

UNIVERSIDADE DE SÃO PAULO

ESCOLA POLITÉCNICA

DEPARTAMENTO DE ENGENHARIA MECÂNICA

**ESTUDO DE FLUTUAÇÃO DE PRESSÃO EM BACIA DE
DISSIPACÃO**

Aluno: Lorenzo Victor Schrepel Delmutti

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**Trabalho de Formatura apresentado como parte dos requisitos da
disciplina trabalho de graduação interdisciplinar para conclusão do
curso.**

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Resumo

A Turbulência ainda é um fenômeno pouco desconhecido, porém se faz muito necessário um melhor entendimento deste, por este motivo o desenvolvimento desse trabalho.

Como dito anteriormente o trabalho tem como foco principal o entendimento do fenômeno de turbulência, através de dados de pressão levantados na bacia de dissipação do vertedouro da usina de Porto Colômbia.

Esses dados nos permitiu avaliar as escalas de tempo, de tamanho e de velocidade de convecção do turbilhão, em um ressalto hidráulico afogado, através de três métodos, *1º método visual, 2º escalas integrais de tempo e espacial, 3º método proposto por Rakhmanov*, e além disso pode-se também se obter muitas outras análises, principalmente do ponto de vista energético, futuramente em outros trabalhos.

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Turbulência

O escoamento de um fluido, conforme plenamente conhecido, pode ocorrer em regime laminar ou turbulento.

A origem da turbulência e em consequência a transição do escoamento laminar para turbulento é um assunto de fundamental importância no estudo da mecânica dos fluidos. A incidência da turbulência foi primeiramente reconhecida em escoamentos através de tubos retos. Sabe-se que o escoamento laminar se desenvolve em tubos retos e lisos onde cada partícula fluida se movimenta com velocidade uniforme ao longo de uma determinada trajetória; as forças viscosas freiam as partículas próximas da parede resultando um perfil parabólico de velocidade que pode ser obtido pela equação de Hagen-Poiseuille mencionada a seguir:

$$U(y) = \frac{P_1 - P_2}{4 \mu l} (R^2 - y^2) \quad (1)$$

onde: μ - viscosidade dinâmica do fluido.

P_1 e P_2 - pressões médias locais nas seções 1 e 2.

A velocidade máxima no eixo do tubo é dada por:

$$U_{\max} = \frac{P_1 - P_2}{4 \mu l} R^2 \quad (2)$$

$$\text{sendo: } Q = \frac{\pi R^2}{2} \times U_{\max} = \frac{\pi R^4}{8 \mu l} (P_1 - P_2) \quad (3)$$

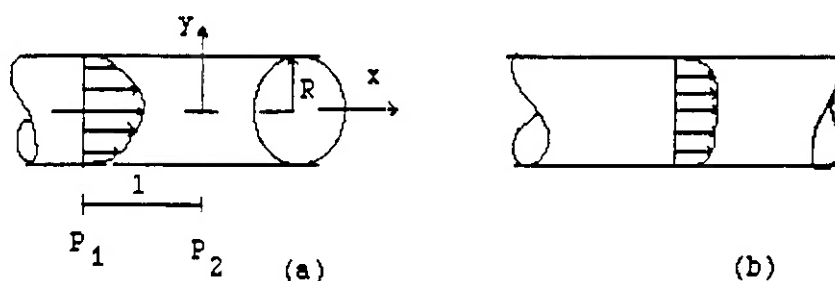
A equação (3) estabelece que a vazão é proporcional à primeira potência da queda de pressão e a Quarta potência do raio da tubulação. Considerando-se a velocidade média através da seção transversal $\{U = \frac{Q}{\pi R^2}\}$.

$$P_1 - P_2 = 8\mu \frac{L}{R^2} U \quad (4)$$

Portanto no escoamento laminar há um predomínio das forças viscosas sobre as forças de inércia e o movimento ocorre em camadas paralelas na direção do fluxo.

Por outro lado, no regime turbulento de escoamento, o fluido deixa de se movimentar ordenadamente em camadas paralelas, assumindo características diversas, com componentes de velocidade em todas as direções. Nesse caso, a distribuição de velocidades através de seção transversal da tubulação é consideravelmente mais uniforme que no caso de escoamento laminar, devido à maior transferência de quantidade de movimento na direção transversal ao fluxo, deixando a equação de Hagen-Poiseuille de ter validade.

As figuras 1a e 1b mostram os perfis de velocidade de um escoamento laminar e de um escoamento turbulento médio respectivamente, considerando uma tubulação de raio R.



Perfis de velocidade média em tubulação para escoamento laminar e turbulento.

REYNOLDS [1883] foi o primeiro a retratar experimentalmente a transição de regime laminar para turbulento. Talvez a melhor definição seja: "Turbulent fluid motion is an irregular condition of flow in which the various quantities show a random variation with time and space coordinates, so that statistically distinct average values can be discerned" (J.O. Hinze).

O número adimensional k é conhecido na literatura técnica atual como de Reynolds (R) e representa uma relação entre força de inércia e força viscosa:

$$R = \frac{F_i}{F_v} = \frac{VL}{\nu} \quad (5)$$

O valor numérico de R para o qual, normalmente, a transição ocorre (número de Reynolds crítico) é estabelecido como sendo aproximadamente $R_c \approx 2300$.

No caso de escoamentos em condutos, o valor de R_c tende a aumentar com a diminuição das perturbações na entrada do conduto. Este fato foi confirmado experimentalmente por Barnes e Coker, e mais tarde por Schiller que alcançaram valores de $R_c \approx 20000$. Ekman] conseguiu escoamento laminar para $R_c \approx 40000$, fazendo com que a entrada do conduto fosse praticamente livre de perturbações.

O limite máximo que R_c pode alcançar, mantendo-se condições excepcionais na aproximação, ainda hoje não é conhecido. Todavia, sabe-se que o limite mínimo de R_c é aproximadamente 2000, sendo que abaixo desse valor o regime é sempre laminar, mesmo em presença de fortes perturbações.

Muitas foram as tentativas de explicar teoricamente o processo de transição de escoamento laminar para turbulento desde a famosa experiência de Reynolds. Estas investigações teóricas baseiam-se na hipótese de que os escoamentos laminares são afetados por certas pequenas perturbações; no caso de escoamentos em tubulação, essas perturbações podem se originar, por exemplo, na entrada da tubulação. podem ser devido a rugosidade de parede, etc. Se estas perturbações diminuem com o tempo, o escoamento é considerado estável; caso contrário, o escoamento é considerado instável e existe a possibilidade de transição para escoamento turbulento. Dentro dessa linha tem-se desenvolvido a teoria da estabilidade, tendo como objetivo estabelecer o valor de R_c de um determinado escoamento.

O próprio Reynolds [1895] plantou a base da teoria da estabilidade publicada 12 anos após a constatação experimental da transição.

Notavelmente Lord Rayleigh, em 1880 e 1887, em uma série de publicações em "Proceedings of Mathematics of Society of London" contribuiu definitivamente com a implantação da base da teoria da estabilidade.

Somente muito tempo depois, em 1930, através de um trabalho de Prandtl, teve o estudo da teoria da estabilidade um real progresso. Desde o trabalho de Dryden, em 1959], inúmeros trabalhos têm sido publicados com o intuito de verificar experimentalmente a teoria da estabilidade.

Cabe aqui uma pergunta do leitor: **"Por que este problema tem provado ser tão difícil ao longo de tantos anos?"**. A seguinte explicação é oferecida tentando responder a essa pergunta:

Pelo lado teórico, a dificuldade básica tem sido a intratabilidade matemática dos termos não-lineares das equações da hidrodinâmica, já pelo lado experimental, a principal dificuldade tem sido a falta de instrumentos e sistemas de aquisição de dados capazes de medir com fidelidade e transição o escoamento turbulento.

Todavia, nos últimos anos, teoria e experiência tem recebido um profundo desenvolvimento, seja pelas facilidades cada vez maiores de computadores digitais de alta velocidade, seja pelas facilidades de instrumentos de medição, tais como anemômetro de ponta quente, "laser doppler velocimetry", etc. Nesse sentido, uma revolução científica tem ocorrido nos últimos anos. Hoje em dia são inúmeros os trabalhos que estudam as instabilidades hidrodinâmicas e a transição para a turbulência. O ponto culminante em que se chega hoje é que existe uma ordem na transição para o processo caótico (escoamento plenamente turbulento), e nesse aspecto, a visualização do escoamento através de técnicas cada vez mais sofisticadas é uma importante ferramenta no desenvolvimento da pesquisa atual.

Principais características da turbulência

Mais importante do que uma definição concisa de turbulência é apresentar as principais características de um escoamento turbulento na linha já apresentada:

- Irregularidade: A primeira característica é o aspecto irregular e randômico de todo escoamento turbulento, o que torna muito difícil, até os dias de hoje, o tratamento determinístico das propriedades da turbulência. Neste caso, métodos estatísticos são necessários para tratar o sinal aleatório.

- Difusividade: A difusividade da turbulência, que é responsável pelo rápido processo de mistura e aumento da taxa de transferência de quantidade de movimento, calor e massa, é uma outra importante característica dos escoamentos turbulentos. A clássica experiência de Reynolds já mostrava a importância da difusividade no processo turbulento.
- Altos números de Reynolds: Escoamentos turbulentos sempre ocorrem para altos valores de número de Reynolds (R) e a turbulência frequentemente se origina de instabilidades de escoamentos laminares quando R torna-se maior. As instabilidades estão relacionadas com a interação dos termos viscosos e os termos de inércia não lineares na equação do movimento.
- Rotacionalidade e Tridimensionalidade: A turbulência é rotacional e tridimensional e por isso a dinâmica da vorticidade exerce um papel fundamental na descrição do escoamento turbulento. As flutuações randômicas de vorticidade que caracterizam a turbulência não poderiam se manter se as flutuações de velocidade fossem bidimensionais, desde que um importante mecanismo de deformação ou esticamento do vórtice ("**vortex – stretching**"), responsável pela manutenção da vorticidade, não poderia se manter em um escoamento bidimensional.
- Dissipação: Os escoamentos turbulentos são essencialmente dissipativos. As tensões viscosas provocam um trabalho de deformação que aumenta a energia interna do fluido às custas da energia cinética do

escoamento, de modo que a turbulência necessita de um contínuo suprimento de energia para fazer frente às perdas viscosas. Se energia externa não é fornecida, a turbulência decai rapidamente.

- Contínuo: Turbulência é um fenômeno do meio contínuo governada pelas equações da mecânica dos fluidos. Mesmo as menores escalas que ocorrem no escoamento turbulentos são muito maiores que as escalas de comprimento molecular.
- Turbulência é função do Escoamento, não do Fluido: Uma das principais características dos escoamentos turbulentos é que eles não são controlados pelas propriedades moleculares do fluido no qual a turbulência ocorre. Em outras palavras, a dinâmica da turbulência é a mesma em todos os fluidos, sejam eles líquidos ou gases, se R for suficientemente grande.
- Não Linearidade: Entre as diversas escalas de flutuações existem interações que correspondem a um fenômeno de transferência de energia de termos não-lineares das equações do movimento.

Instabilidades Hidrodinâmicas

1) Pequenas Perturbações

A teoria da estabilidade de escoamentos laminares considera a decomposição do movimento em um escoamento médio permanente e uma perturbação não permanente superposta ao movimento médio

Considerando que o escoamento médio é solução da equação de Navier-Stokes, o movimento resultante e conseqüentemente a perturbação serão também soluções da equação de Navier-Stokes.

Considerando por simplicidade um escoamento bidimensional de fluxo paralelo (caso de canal com paredes paralelas ou tubulação), as seguintes condições de fronteira podem ser assumidas em um sistema cartesiano triorgonal:

$$u = U + u \quad (6a)$$

$$v = v \quad (6b)$$

$$w = 0 \quad (6c)$$

$$p = P + p \quad (6d)$$

$$V = W = 0 \quad (6e)$$

Observação: é importante não confundir a nomenclatura acima apresentada com a que será introduzida para escoamento turbulento nos capítulos seguintes.

Aplicando-se as equações de Navier-Stokes e continuidade para a perturbação e, considerando um escoamento bidimensional, incompressível e não permanente (desprezando os termos quadráticos das componentes de velocidade de perturbação), resultam:

$$\frac{\delta u}{\delta x} + \frac{\delta v}{\delta y} = 0 \quad (\text{continuidade}) \quad (7a)$$

$$\frac{\delta u}{\delta t} + U \frac{\delta u}{\delta x} + v \frac{\delta U}{\delta y} = - \frac{1}{\rho} \frac{\delta P}{\delta x} - \frac{1}{\rho} \frac{\delta p}{\delta x} + \nu \left(\frac{\delta^2 U}{\delta y^2} + \nabla^2 u \right) \quad (7b)$$

$$\frac{\delta v}{\delta t} + U \frac{\delta v}{\delta x} + \frac{1}{\rho} \frac{\delta P}{\delta y} - \frac{1}{\rho} \frac{\delta p}{\delta y} = \nu \nabla^2 v \quad (7c)$$

onde: $\nabla^2 = \frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2}$ (operador de Laplace).

Considerando que o escoamento médio satisfaz a equação de Navier-Stokes, as equações 7a, 7b e 7c podem ser simplificadas:

$$\frac{\delta u}{\delta x} + \frac{\delta v}{\delta y} = 0 \quad (\text{continuidade}) \quad (8a)$$

$$\frac{\delta u}{\delta t} + U \frac{\delta u}{\delta x} + v \frac{\delta U}{\delta y} = - \frac{1}{\rho} \frac{\delta p}{\delta x} + \nu \nabla^2 u \quad (8b)$$

$$\frac{\delta v}{\delta t} + U \frac{\delta v}{\delta x} = - \frac{1}{\rho} \frac{\delta p}{\delta y} + \nu \nabla^2 v \quad (8c)$$

Considerando as seguintes relações adimensionais:

$$X = Lx \Rightarrow x = \frac{x}{L}$$

$$Y = Ly \Rightarrow y = \frac{y}{L}$$

$$U = Uu \Rightarrow u = \frac{u}{U}$$

$$V = Uv \Rightarrow v = \frac{v}{U}$$

$$t = \frac{L}{U} t \Rightarrow t = t \frac{U}{L}$$

$$\frac{p}{\rho} = U^2 \Rightarrow p = \frac{p}{\rho U^2}$$

As equações do escoamento resultam:

$$\frac{\delta u}{\delta x} + \frac{\delta v}{\delta y} = 0 \quad (\text{continuidade}) \quad (9a)$$

$$\frac{\delta u}{\delta t} + U \frac{\delta u}{\delta x} + v \frac{\delta U}{\delta y} = - \frac{\delta p}{\delta x} + \frac{1}{R} \nabla^2 u \quad (9b)$$

$$\frac{\delta v}{\delta t} + U \frac{\delta v}{\delta x} = - \frac{\delta p}{\delta y} + \frac{1}{R} \nabla^2 v \quad (9c)$$

A função de Autocorrelação

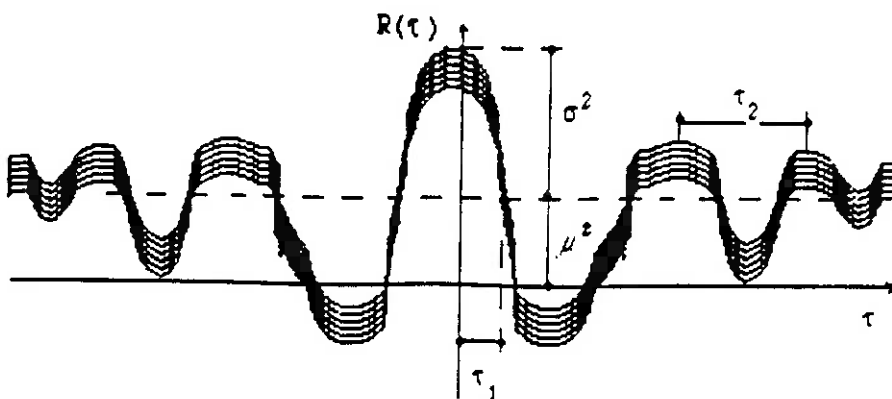
Quando um processo estocástico de um sinal turbulento de pressão é amostrado em um instante t e em um instante seguinte $t + \tau$, define-se média no tempo da função de autocorrelação como: $p(t)p(t + \tau)$.

No caso de processos estocásticos estacionários e ergódicos, tem-se que:

$$R_p(\tau) = E[p(t)p(t + \tau)] = \overline{p(t)p(t + \tau)} \quad (13)$$

Sendo a função de autocorrelação função apenas do intervalo de tempo entre as amostras.

A função de autocorrelação permite determinar o intervalo de tempo em que um sinal turbulento de pressão correlaciona-se com ele mesmo, perdendo sua identidade para intervalos de tempo maiores.



Representação gráfica da função de autocorrelação

A análise da figura acima enfatiza algumas propriedades importantes da função de autocorrelação:

$$R(\tau) = R(-\tau) \Rightarrow \text{(função par)}$$

$$R(0) = \mu^2 + \sigma^2$$

$$\tau_1 = \frac{1}{2f_{\text{máx}}} \Rightarrow (\text{o atraso } \tau_1 \text{ está relacionado com a frequência máxima que apresenta densidade espectral importante);}$$

$$\tau_2 = \frac{1}{f_{\text{pico}}} \Rightarrow (\text{o atraso } \tau_2 \text{ mostra a periodicidade de } R(\tau), \text{ indicando uma ressonância ou uma frequência com um pico acentuado no espectro}).$$

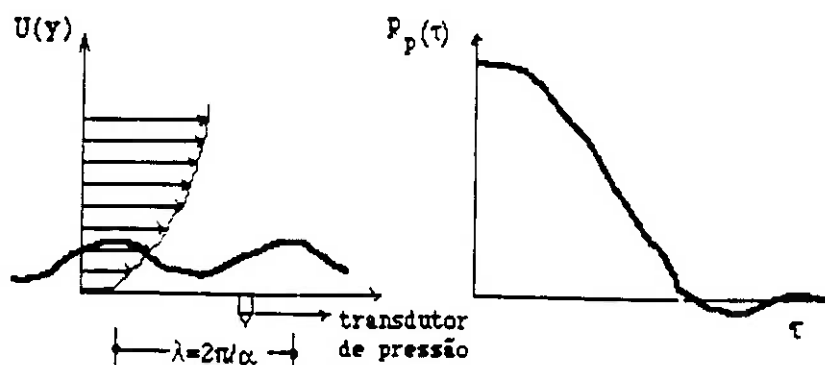
A partir da função de autocorrelação de um sinal turbulento de pressão pode-se determinar o coeficiente de autocorrelação dado por :

$$\frac{\overline{p(t)p(t+\tau)}}{\overline{p^2}} = \rho(\tau) = \rho(-\tau) \quad (14)$$

$$\text{onde: } |\rho| \leq 1$$

O coeficiente de autocorrelação (ρ) diminui com o aumento do intervalo de tempo τ podendo inclusive adquirir pequenos valores negativos, conforme figura abaixo.

Essa figura mostra a representação da função de autocorrelação de um sinal de flutuação de pressão, medido com um transdutor instalado em uma posição fixa.



Representação esquemática da função de autocorrelação de um sinal de flutuação de pressão.

A integração do coeficiente de autocorrelação resulta na chamada Escala Integral de Tempo:

$$\mathcal{T} = \int_0^{\infty} \rho(\tau) d(\tau) \quad (15)$$

que pode ser considerada como uma medida aproximada do intervalo médio de vida da estrutura local de turbulência (referente ao tamanho médio dos vórtices).

A função de autocorrelação e a função de densidade espectral podem ser representadas pelo par de transformadas de Fourier:

$$S_p(\omega) = \frac{1}{\pi} \int_{-\infty}^{\infty} \rho(\tau) e^{-j\omega\tau} d\tau \quad (16 a)$$

$$R_p(\tau) = \frac{1}{2} \int_{-\infty}^{\infty} S_p(\omega) e^{j\omega\tau} d\omega \quad (16 b)$$

Em termos de frequência, considerando que $S_p(f) = 2\pi S_p(\omega)$ e considerando ainda que o espectro de frequência é uma função par, definida fisicamente para frequências positivas, resulta:

$$S_p(f) = 4 \int_0^{\infty} R_p(\tau) \cos 2\pi f \tau \, d\tau \quad (17 \text{ a})$$

$$R_p(\tau) = \int_0^{\infty} S_p(f) \cos 2\pi f \tau \, df \quad (17 \text{ b})$$

A determinação do espectro de potência diretamente a partir da série temporal tem sido um critério cada vez mais recomendado em vez do cálculo da transformada de Fourier da função de autocorrelação, principalmente devido ao rápido desenvolvimento de sistemas digitais de análise de sinal ao qual é aplicado o algoritmo FFT mencionado anteriormente.

Em resumo, a determinação da função de densidade espectral e da função de autocorrelação é muito importante nos estudos de medição de pressões flutuantes porque as seguintes informações podem ser obtidas:

- a) A faixa de frequência de importância contendo a maior parte da energia do sinal turbulento;
- b) As frequências de pico de ressonância quando ocorrem;
- c) A distinção entre o sinal propriamente dito e o ruído;
- d) A caracterização da estrutura no tempo do sinal;
- e) Fácil descrição de como o sistema de aquisição responde ao sinal turbulento.

O Espectro Cruzado e a Correlação Cruzada

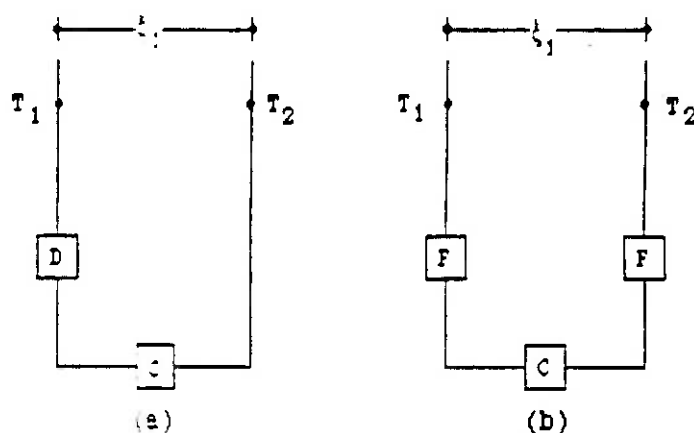
Matematicamente, o espectro cruzado e a correlação espaço-temporal podem ser definidos pelo seguinte par de transformada de Fourier:

$$S_p(\xi_1, \omega) = \frac{1}{2\pi} \int_{-\infty}^{\infty} S_p(\xi_1, \tau) e^{-i\omega\tau} d\tau \quad (18 a)$$

$$R_p(\xi_1, \tau) = \int_{-\infty}^{\infty} S_p(\xi_1, \omega) e^{i\omega\tau} d\omega \quad (18 b)$$

Diferentemente da função de autocorrelação, a correlação cruzada não é uma função simétrica. Já que $R_p(\xi, \tau)$ não é simétrica em τ quando ξ é diferente de zero.

A mesma informação contida na correlação espaço-temporal está contida no espectro cruzado, todavia recomenda-se o uso do espectro cruzado de modo a evitar a introdução do atraso (τ) no sistema de medição, conforme mostrado na figura abaixo:



T_1 e $T_2 \rightarrow$ transdutores de pressão

$D \rightarrow$ linha de atraso

$C \rightarrow$ correlador

$F \rightarrow$ filtros de frequência

Diagrama de bloco de sistema de aquisição para determinação de:

- a) Correlação espaço temporal;
- b) Espectro cruzado.

A medição do espectro cruzado de um sinal turbulento de pressão permite uma melhor interpretação das escala de turbulência quando comparado com o espectro de potência.

No caso de escoamentos convectivos costuma-se normalizar o espectro cruzado longitudinal com relação ao espectro de potência, de maneira que:

$$\frac{|S_p(\xi_1, \omega)|}{S_p(0, \omega)} = |\gamma(\xi_1, \omega)| = (\gamma_{RE}^2 + \gamma_{IM}^2)^{1/2} \quad (19)$$

Neste caso tem-se uma idéia mais clara de quanto a turbulência real do escoamento desvia-se da turbulência congelada, segundo o modelo de turbulência de Taylor.

Quando:

$$|\gamma(\xi_1, \omega)| = 1 \Rightarrow \text{hipótese de Taylor é válida} \Rightarrow$$

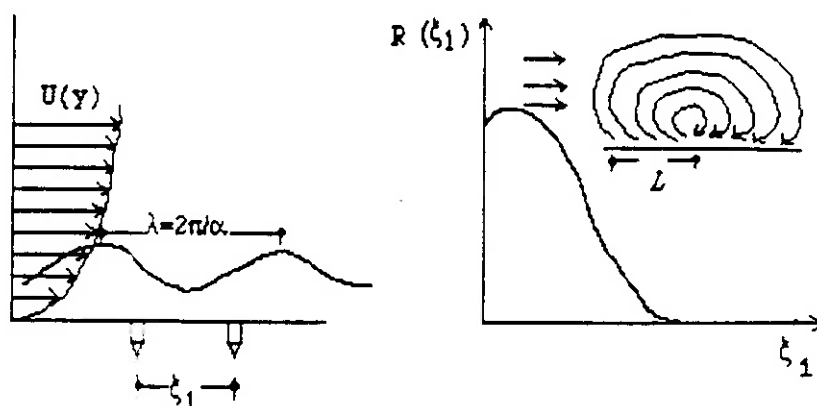
$$\Rightarrow |S_p(\xi_1, \omega)| = S_c(0, \omega) \Rightarrow \text{espectro de potência e espectro cruzado}$$

A taxa de variação da função $|\gamma(\xi_1, \omega)|$, a partir do aumento da distância entre transdutores (ξ_1), permite avaliar o comportamento intrínseco da estrutura da turbulência.

Introduzindo agora o conceito de fase de uma função complexa, tem-se que:

$$\phi = \frac{2\xi_1}{\lambda} \pi = \arctan(\gamma_{IM} / \gamma_{RE}) \quad (20)$$

A correlação cruzada * de um sinal de flutuação de pressão é obtida através da transformada de Fourier do espectro cruzado (equação (20)).



Representação esquemática da correlação cruzada de um sinal de flutuação de pressão.

A correlação cruzada permite determinar a escala integral longitudinal espacial L que é uma medida das dimensões médias dos maiores vórtices presentes no escoamento turbulento, assumindo que cada vórtice pode ser descrito por uma componente periódica que induz flutuação de pressão com uma certa amplitude e frequência.

Analogamente ao que foi feito para a autocorrelação é possível definir um coeficiente de correlação espacial dado por:

$$\frac{\overline{p(x)p(x+\xi_1)}}{\overline{p^2}} = C(\xi_1) \quad (21)$$

onde: $|C| \leq 1$

A integração deste coeficiente ao longo do eixo x resulta na escala integral espacial:

$$L = \int_0^{\infty} C(\xi_1) dx \quad (22)$$

Onde: $C(\xi_1)$ – coeficiente de correlação cruzada;

L - área correspondente ao primeiro cruzamento com o zero do coeficiente de correlação cruzada.

A Velocidade de Convecção

Usando a definição de TENNEKES & LUMLEY (1972) entende-se aqui como “turbulência congelada” uma situação de escoamento em que o campo de velocidade e pressão da turbulência não muda apreciavelmente durante a medição. Em termos matemáticos, isto significa escrever:

$$\left. \frac{\partial}{\partial t} \right|_{\text{medição}} \cong U_c \left. \frac{\partial}{\partial t} \right|_{\text{campo}}$$

Para que isso seja válido é necessário que:

$$\frac{U}{U_c} \ll 1$$

Usando a hipótese acima, conhecida como hipótese de Taylor, e lembrando que:

$$\lambda = \frac{2\pi U_c}{\omega} \quad (23)$$

é possível definir a velocidade de convecção:

$$U_c = \frac{\xi_{1(0)}}{\arctan(\gamma_{IM} / \lambda_{RE})} \quad (24)$$

Embora na verdade a expressão acima apresente algum erro na medição de turbulência real, mesmo assim é recomendada para o cálculo da taxa de transferência de energia de turbulência no escoamento convectivo.

Portanto, supondo válida a hipótese de Taylor, é possível obter a escala integral espacial a partir da escala integral de tempo e da velocidade de convecção:

$$L = 3 U_c \quad (25)$$

As equações 5.35 e 5.38 deveriam conduzir a valores semelhantes da escala integral espacial.

No caso específico do ressalto hidráulico é sugerido a aplicação da seguinte equação para cálculo da velocidade de convecção:

$$U_c = (1.03 - 0.16 x/y_2 - y_1)(U_1 - U_2) + U_2 \quad (26)$$

onde: y_1 , y_2 – alturas conjugadas do ressalto;

U_1 , U_2 – velocidades médias nas seções 1 e 2 do ressalto;

X – distância do início do ressalto.

Uma outra forma de se obter a velocidade de convecção seria medir simultaneamente o sinal de pressão flutuante em vários pontos do escoamento turbulento instalando vários transdutores na parede. Esta técnica dá uma idéia clara da coerência da estrutura do sinal $p(t)$ ao longo dos vários transdutores e permite acompanhar a evolução dos picos ao longo desses transdutores. O registro simultâneo de pressão instantânea através de transdutores

convenientemente instalados a distâncias conhecidas, permite a determinação direta da velocidade de convecção.

Análise Visual do Sinal de Flutuação de Pressão em Função do Tempo

A medição das flutuações de pressão através de vários transdutores convenientemente instalados junto a parede, permite observar a coerência da estrutura de turbulência, quando são registrados, simultaneamente, os sinais de pressão pelos diversos transdutores.

Embora a análise visual do registro do sinal seja um pouco subjetiva, certas observações podem ser feitas durante a análise de várias funções simultâneas no tempo:

- a) A semelhança dos registros de pressão medidos simultaneamente com transdutores igualmente espaçados, indica “estrutura de turbulência congelada” que se move com velocidade convectiva U_c na camada limite;
- b) As pressões flutuantes de parede constituem um processo intermitente onde relativamente pequenos intervalos de tempo com flutuações acentuadas são seguidos por longos intervalos de tempo com pequenas flutuações.

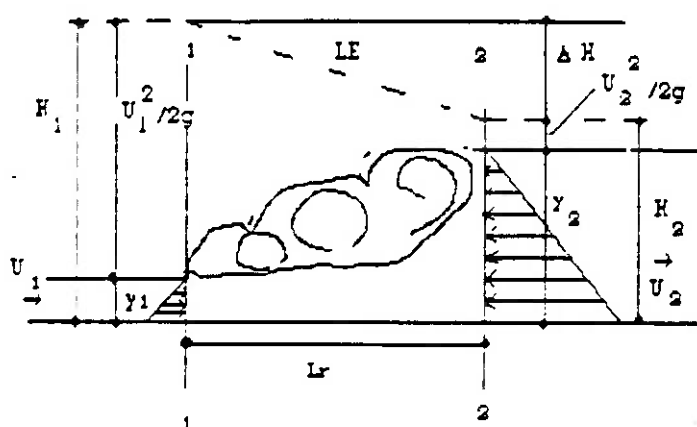
Medidas quase que simultâneas feitas dentro do ressalto hidráulico com quatro transdutores de pressão igualmente espaçados, permitem visualizar o comportamento convectivo dos picos de pressão instantânea.

Ressalto Hidráulico

- Equação Clássica do Ressalto Hidráulico

O ressalto hidráulico é um fenômeno localizado, que se forma na passagem brusca de um escoamento em regime supercrítico (ou torrencial) para um escoamento em regime subcrítico (ou fluvial). Esta passagem brusca é acompanhada de um alto grau de turbulência.

A figura abaixo mostra uma representação esquemática clássica do ressalto hidráulico:



Representação esquemática do ressalto hidráulico de acordo com a teoria clássica.

Considerando-se as seguintes hipóteses fundamentais:

- a) canal retangular com paredes paralelas;
- b) canal horizontal;
- c) escoamento permanente e fluido incompressível;

- d) início do ressalto na seção 1 e fim do ressalto na seção 2;
- e) distribuição uniforme de velocidade imediatamente a montante e jusante nas seções 1 e 2 respectivamente;
- f) ausência de forças de atrito e forças viscosas junto à parede;
- g) distribuição hidrostática de pressão nas seções 1 e 2;

pode-se chegar, partindo da equação da quantidade de movimento aplicada ao volume de controle acima, na equação clássica do ressalto hidráulico, conhecida por Equação de Bélanger & Bresse:

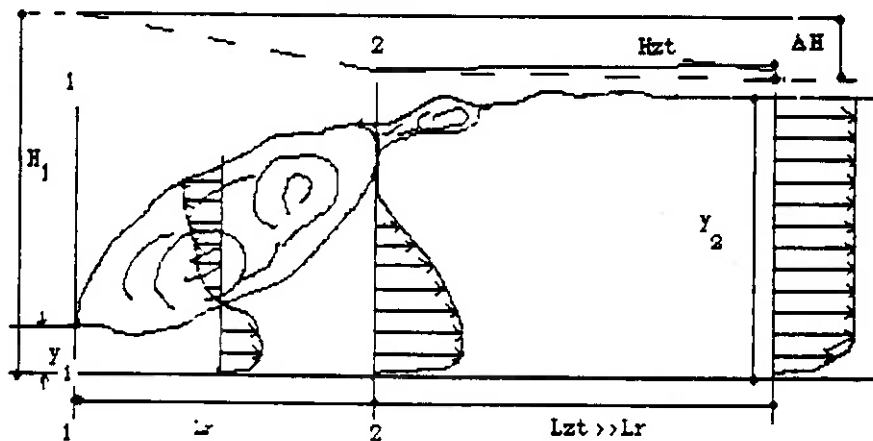
$$y_2/y_1 = \frac{1}{2} (\sqrt{1 + 8F_1^2} - 1) \quad (10)$$

onde: $y_1, y_2 \Rightarrow$ alturas conjugadas do ressalto;

$$f_1 = U_1 / \sqrt{gy_1} \Rightarrow \text{número de Froude na seção 1 do ressalto}$$

- Equação da Quantidade de Movimento para uma Distribuição Não Uniforme de Velocidade na Seção 2 do Ressalto Hidráulico

Uma forma mais realista de representar o ressalto hidráulico é considerar um perfil de velocidade não uniforme na seção 2, conforme esquematizado na figura abaixo:



Representação esquemática do ressalto hidráulico considerando perfil não uniforme de velocidade na seção 2.

Enfatizar-se-á apenas a equação final da quantidade de movimento aplicada ao ressalto com essas novas condições de contorno:

$$(Y_2/Y_1)^3 - \{1 + 2F_1^2 (1 - L_r/R_1\delta_{1,1})\} Y_2/Y_1 + 2F_1^2 (\bar{\beta} + \beta)_2 = 0 \quad (11)$$

onde: $L_r \Rightarrow$ comprimento da zona de "rollers" do ressalto;

$R_1 \Rightarrow$ número de Reynolds na entrada do ressalto;

$\delta_{1,1} \Rightarrow$ espessura da camada limite na seção 1 de entrada do ressalto;

$\bar{\beta}_2 \Rightarrow$ coeficiente da quantidade de movimento do escoamento médio na seção 2 do ressalto;

$\beta_2 \Rightarrow$ coeficiente da quantidade de movimento das flutuações do escoamento na seção 2 do ressalto

Para $R_1 \gg L_r / \delta_{1-1}$, resulta que:

$$(Y_2/Y_1)^3 - \{1 + 2F_1^2\} Y_2/Y_1 + 2F_1^2 (\bar{\beta} + \beta)_2 = 0 \quad (12)$$

a) no caso do ressalto clássico:

$$\bar{\beta}_2 = 1; \beta_2 = 0 \Rightarrow \text{Equação de Bélanger;}$$

b) no caso de turbulência residual:

$$\bar{\beta}_2 > 1 \text{ e } \beta_2 > 0 \Rightarrow y_{2\text{real}} < y_{2\text{teórico}} \Rightarrow \text{dissipação de energia cinética a jusante do ressalto (zona de transição).}$$

- Identificação do problema

A Usina Hidroelétrica de Porto Colômbia, que iniciou sua operação no ano de 1973, situa-se no Rio Grande, na divisa dos Estados de Minas Gerais e São Paulo.

Seu vertedouro possuía uma bacia de dissipação convencional tipo II do Bureau of Reclamation, cujos parâmetros de projeto haviam sido alterados em função dos estudos em modelo realizados naquela época.

Uma inspeção subaquática realizada em outubro de 1983 revelou o péssimo estado de conservação das estruturas componentes da bacia.

Observou-se que, ao longo dos, até então, dez anos de operação da Usina, um par de erosões laterais e simétricas haviam surgido em cada um dos seus 36 “chute-blocks”.

Na laje da bacia, imediatamente a jusante dos “chute-blocks”, crateras de erosão que atingiam as dimensões médias de 2,00 m de comprimento por 1,65 m de largura e 0,70 m de profundidade, possuíam sinais evidentes de arrancamento das ferragens do concreto.

No restante da laje apenas duas irregularidades superficiais foram encontradas.

Em alguns blocos do “end-sill” também foi observada a existência de pequenas erosões.

Pesquisando-se o histórico das vazões vertidas na Usina, verificou-se que, ao longo de todo o seu período de operação, a descarga máxima ocorrida de $5.700 \text{ m}^3 / \text{s}$, registrada em fevereiro de 1983, não havia atingido 36% de sua capacidade plena de vazão ($16.000 \text{ m}^3 / \text{s}$). Nessa ocasião mediu-se, sobre a bacia, a carga total de 20.80 m.

Desta forma as erosões encontradas na bacia ocorreram para condições de operação bem inferiores àquela que seria sua solicitação máxima ($q=98 \text{ m}^3/\text{sxm}$, para $l = 163,00 \text{ m}$).

- Diagnóstico Preliminar

Todos os dados coletados sobre o vertedouro foram submetidos à apreciação de 3 consultores que forneceram a FURNAS seu pareceres técnicos acerca do assunto.

A análise desses documentos em conjunto com a de diversos registros de casos semelhantes ao de Colômbia, possibilitou o diagnóstico preliminar de que

os danos ocorridos na bacia tiveram origem num processo de cavitação por vórtice.

Este processo estaria instalado apenas na região dos “chute-blocks” e na laje da bacia a jusante dos mesmos, já que no restante da laje e no “end-sill”, a quantidade, forma, localização e intensidade das erosões sugeriam a ocorrência de um simples desgaste imposto, provavelmente, pela circulação e transporte, no interior da bacia, do material erodido proveniente da região de montante. Contudo, este diagnóstico foi reavaliado e modificado, conforme descrito no quarto item.

- Pesquisa em Modelo

Para comprovação deste diagnóstico e estudos de obras corretivas que eliminassem o problema, construiu-se no LAHE, na escala 1:50, um modelo bidimensional do vertedouro.

Deste modelo pretendia-se obter a indicação da existência de zonas de baixa pressão ou de padrões de escoamento que resultassem na ocorrência de cavitação no protótipo.

Sendo assim, iniciou-se a pesquisa, onde, em sucessivas campanhas de medição de pressões médias, procurou-se identificar, nos “chute-blocks” e na laje da bacia logo a jusante dos mesmos, locais que evidenciassem a existência de bolsões de pressão negativa.

Após a identificação de 412 pontos de medição, conseguiu-se caracterizar, para diferentes situações de vazões ensaiadas, a ocorrência de pressões negativas em pontos distribuídos ao longo de todas as arestas e faces dos blocos, sendo estas últimas verificadas nas proximidades das arestas.

Na laje da bacia, além de se constatar a existência de fortes flutuações e gradientes de pressão, foram verificados, em pontos afastados, menos de 0,50 m dos blocos, pressões mínimas da ordem de 3,5 m.c.a, cujas flutuações registradas apresentaram-se superiores aos valores médios medidos.

Estes pontos foram então selecionados para medição e análise no campo de pressões instantâneas, campanha para a qual Furnas contou com o apoio, naquela época, de uma equipe de técnicos da FCTH.

Para as pressões instantâneas aqusitadas foram realizadas análise estatística (valores máximo, médio e mínimo, amplitude máxima, variância e desvio padrão) e espectral (frequência e ordenada de pico do espectro). Como parâmetro adicional de análise, para tomada com valores mais baixos de pressão, foi utilizado o tempo de permanência dos valores instantâneos abaixo da pressão de vapor, obtidos pela extrapolação dos valores de modelo para protótipo, segundo a escala Froudiana adotada no projeto do modelo.

Os resultados destas análises demonstraram claramente que os danos no vertedouro da UHE de Porto Colômbia, tiveram origem num processo cavitante intenso que gerava a formação de cavidades no interior da massa fluida pela ocorrência de deslocamentos e formação de vórtices, confirmando o diagnóstico preliminar apresentado.

Em que pesem as limitações de análise deste tipo de fenômeno em modelos Froudianos, os resultados obtidos demonstraram claramente que estes modelos são uma ferramenta bastante útil para a indicação de tendências cavitantes.

- Estudo de Obras Corretivas

Na cavitação por vórtice, a identificação dos locais em que ocorrem as depressões permite a comprovação da existência do fenômeno. Entretanto, como esses vórtices encontram-se relativamente afastados dos contornos sólidos das estruturas, nem sempre é possível, no modelo, detectar-se a localização exata dos bolsões de baixa pressão desenvolvidos em seu interior. Desta forma pode-se afirmar que, no caso específico de cavitação por vórtice, se no modelo forem obtidas pressões negativas, pode-se atestar a existência do risco de cavitação e que, o fato de não encontrá-las, não comprova a eliminação desse risco.

Sendo assim, julgou-se prudente que os estudos prosseguissem com o teste de alternativas que contemplassem a remoção dos “chute-blocks”. As propostas de obras sugeridas pelos consultores, como o enchimento parcial ou total dos espaços entre os blocos, o adoçamento das arestas dos mesmos, etc., foram afastadas em virtudes do risco decorrente da não identificação no modelo de possíveis pressões ainda remanescentes ou surgidas com a adoção dessas alternativas, capazes de gerar cavitação.

Removendo-se os “chute-blocks”, as prováveis perdas de rendimento da bacia seriam corrigidas através da pesquisa de novas formas de “end-sill”.

Com o objetivo de se obter parâmetros comparativos de análise quando da escolha da obra corretiva a ser adotada, realizou-se no modelo uma campanha de caracterização do desempenho da bacia de dissipação conforme o “lay-out” original de projeto.

Nesta campanha levantou-se a curva de rendimento da bacia, registraram-se as erosões ocorridas a jusante da mesma, documentou-se o escoamento em seu interior, avaliou-se o posicionamento do ressalto hidráulico à calha do rio, o fluxo junto ao fundo da bacia e entre os blocos do “end-sill”, etc.

De todos os dados e observações extraídos desta campanha que visou, prioritariamente, a obtenção de informações que subsidiassem a fase de pesquisa da solução, destaca-se aquela que influenciou decisivamente a concepção da forma de “end-sill” a ser estudada, a saber:

- Em frente aos blocos do “end-sill” observou-se a formação de um vórtice tipo ferradura que se desenvolvia no plano horizontal, bem próximo à face frontal dos mesmos;
- Devido à ação contínua do fluxo, estes vórtices, de formação instável, que surgiam em posição afastada da estrutura, iam se aproximando da mesma até o ponto em que se desestabilizavam e tornavam a se formar na posição inicial.

Em virtude desta observação, surgiu a hipótese de que, também nesta região, as pequenas erosões encontradas na inspeção subaquática de outubro de 1983, pudessem ser o resultado do início de um processo de cavitação por vórtice.

Tal suspeita fez com que, durante a etapa de pesquisa da solução, fossem estudadas, preferencialmente, em modelo, formas contínuas de “end-sill”.

A realização de uma 2ª inspeção subaquática na bacia, ocorrida em outubro de 1990, mostrou, através da forma de evolução do processo erosivo verificado nos blocos do “end-sill”, que as suspeitas levantadas quanto à origem destes danos estavam comprovadas. Dispensou-se, desta forma, qualquer

trabalho de pesquisa em busca da confirmação do diagnóstico de cavitação no “end-sill”.

Sendo assim, dentre todas as formas de “end-sill” estudadas em modelo, optou-se por aquela que, embora não proporcionasse à bacia o melhor desempenho hidráulico, conjugava a garantia de eliminação completa dos riscos de cavitação com a certeza do não comprometimento das condições gerais de escoamento na bacia.

Estudos comparativos entre a alternativa de obra e o “lay-out” original da bacia foram, posteriormente, desenvolvidos num modelo de conjunto, construído na escala 1:100, onde efetuou-se também um levantamento detalhado da capacidade de vazão do vertedouro, caracterizou-se o escoamento de restituição a jusante (vazões vertidas + turbinadas, fez-se o estudo de lançamento da ensecadeira projetada para a execução das obras de reparo / modificação da bacia e um ensaio qualitativo do desmonte hidráulico dessa ensecadeira através do vertimento de descargas crescentes.

Objetivos

A partir do segundo semestre de 1998, terei como principais metas:

- Entendimento do Fenômeno de Turbulência em Bacia de Dissipação.
- Análise do Desenvolvimento da Turbulência no Domínio do Espaço, da Frequência e do Tempo.

- Estudo da Variação de Pressão.
- Análise e Comparação entre Protótipo x Modelo; Análise do Efeito de Escala.

Aquisição dos Dados

Todos os sinais de pressão (em função do tempo) adquiridos estão armazenados de forma binária e, para transformá-lo em sinais seqüenciais, foi necessário o programa *Aqg5104.exe*

O programa *Aqg5104.exe* permite o transporte dos dados binários para dados seqüenciais. Com isto pode-se “levar” os arquivos;

1. PCD1A7R.030	Q=500m ³ /s
2. PCD1A7.037	Q=1000m ³ /s
3. PCD1A7.040	Q=2000m ³ /s
4. PCD1A7.013	Q=4000m ³ /s

Para uma planilha *Excel*.

Obs.: para melhor identificação destes arquivos, ver apostila de aquisição de dados.

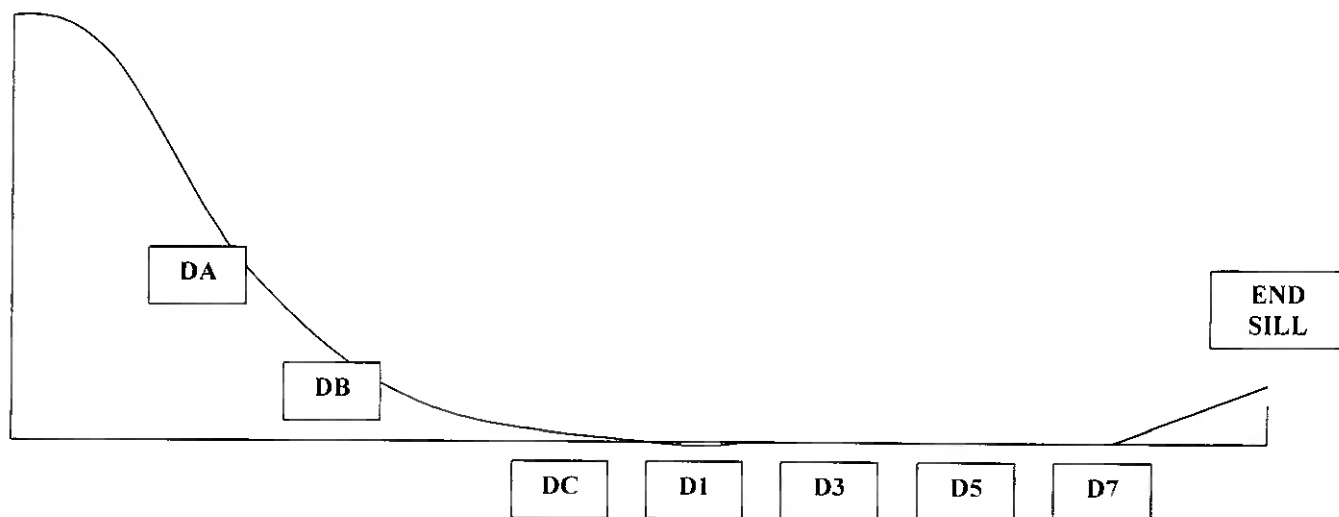
Transformação do Sinal de Pressão

Com as equações de calibração dos transdutores, pode-se transformar o sinal de tensão (V) em sinal de pressão (mca).

As equações de calibração dos transdutores estão no *Relato do Trabalho da Subcomissão “Desenvolvimento de Pesquisa”, do Estudo de Variação de Pressão em Bacia de Dissipação, Caso Usina Porto Colômbia, na pág. 14.*

Veja abaixo o posicionamento de cada transdutor de pressão em relação a bacia de dissipação.

PERFIL DA BACIA DE DISSIPACÃO



Posição dos Transdutores de Pressão

Análise Visual dos Picos de Flutuação de Pressão

Identificação dos Picos

1. Tendo o sinal para um transdutor, deve-se classificar estes dados com a finalidade de identificar os maiores, ou seja, classificar esta coluna em ordem decrescente.
2. Após este comando deve-se desfazê-lo, para que os dados voltem à ordem original.
3. Agora devem-se localizar os picos através do comando localizar (Ctrl-L).
4. Com o pico localizado neste transdutor, deve-se achar tal pico no transdutor seguinte.
5. Com estes dois pontos, deve-se avaliar a diferença de tempo para o deslocamento do pico de um transdutor para o outro.

Avaliação Visual de U_c (velocidade de convecção da turbulência)

1. Com o intervalo de tempo entre um transdutor e o seu posterior e também com a distância entre os transdutores, pode-se calcular $U_c = \text{dist}/\text{tempo}$.

2. Tabela de tempos e distâncias, para vários picos de pressão:

$Q=4000\text{m}^3/\text{s}$

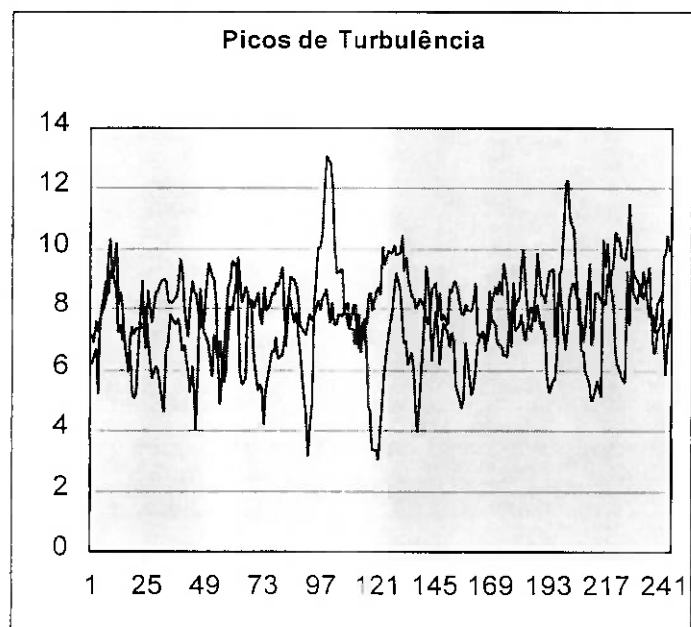
PICOS	DISTÂNCIA	TEMPO	PICOS	DISTÂNCIA	TEMPO
1°	12,94	5,10	1°	16,24	6,10
2°	12,94	6,35	2°	16,24	6,70
3°	12,94	5,75	3°	16,24	5,85
4°	12,94	5,45	4°	16,24	5,90
5°	12,94	4,65	5°	16,24	6,40
6°	12,94	5,10	6°	16,24	7,00
MÉDIA	12,94	5,40	MÉDIA	16,24	6,33

Com estes valores de tempo e espaço pode-se calcular $U_c = (2,41 + - 0,53)\text{m/s}$

Exemplo de um pico de pressão

Sinal em D1	Sinal em D3	Tempo
	7,981	4,8
	8,377	4,85
	8,449	4,9
13,097	8,701	4,95
	7,548	5
	8,197	5,05
	7,476	5,1
	7,476	5,15
9,190	7,837	5,2

8,445	7,512	9
6,207	10,251	11,05
6,030		11,1
5,781		11,15
5,568		11,2
9,297		11,25
7,521	11,476	11,3
10,114		11,35
9,190		11,4
8,906		11,45



Obtenção Numérica da Função de Autocorrelação

Conforme explicado anteriormente na parte teórica do trabalho, a função de autocorrelação é dada por:

$$\frac{\overline{p(t)p(t+\tau)}}{\overline{p^2}} = \rho(\tau) = \rho(-\tau)$$

onde: $|\rho| \leq 1$

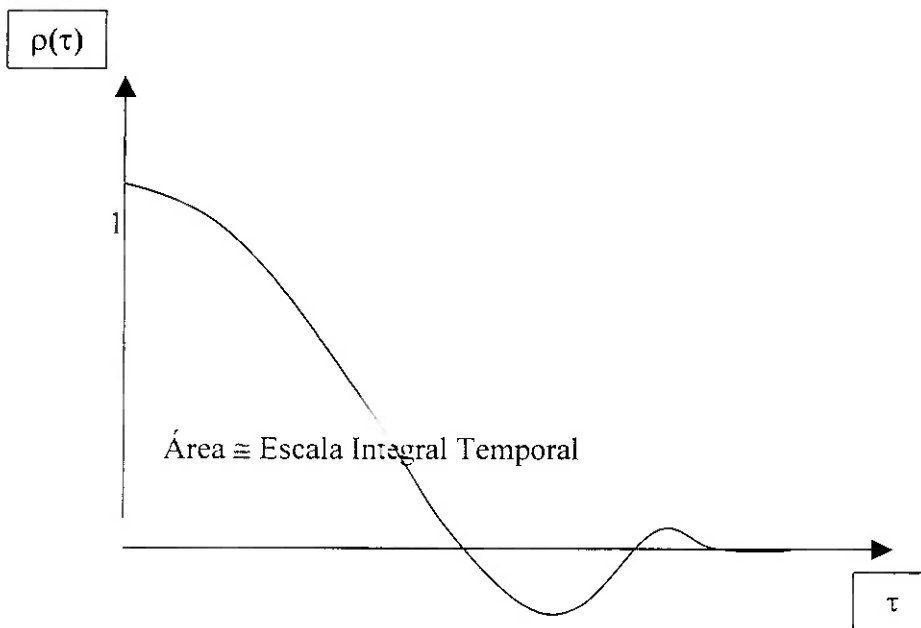
E ela nada mais é do que a correlação do sinal de pressão com ele mesmo, defasado no tempo τ .

1. Para cada pico de pressão determinou-se a sua função de autocorrelação, conforme gráficos em anexo apresentados.
2. A área abaixo do gráfico de autocorrelação nos fornece a escala integral de tempo, que representa o tempo em que o turbilhão ficou sobre o transdutor.
3. Para se determinar o gráfico da função de autocorrelação basta seguir o exemplo abaixo:

TEMPO (s)	VALOR DA FLUTUAÇÃO (mca)	$\rho(\tau)$
0,00	10	$10 \cdot 10 / 10 \cdot 10$
0,05	7	$7 \cdot 10 / 10 \cdot 10$
0,10	4	$4 \cdot 10 / 10 \cdot 10$
0,15	2	$2 \cdot 10 / 10 \cdot 10$
0,20	-1	$-1 \cdot 10 / 10 \cdot 10$
0,25	-3	$-3 \cdot 10 / 10 \cdot 10$

Obs.: é importante notar que está sendo avaliado o valor de flutuação de pressão.

FUNÇÃO DE AUTOCORRELAÇÃO



Obtenção Numérica da Função de Correlação Cruzada

Conforme já explicado, a função de correlação cruzada pode ser obtida por:

$$\overline{p(x)p(x+\xi_1)} = C(\xi_1)$$

$$\overline{p^2}$$

onde: $|C| \leq 1$

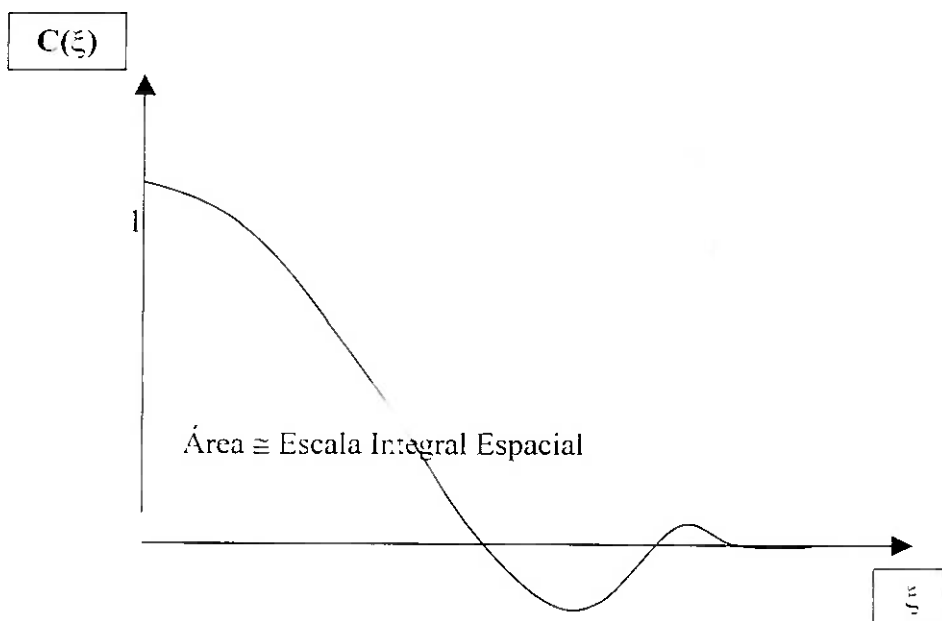
A função de correlação cruzada nada mais é do que a correlação dos transdutores de pressão ao mesmo tempo, apenas defasando-se da distância ξ .

1. Para cada pico determinou-se a sua função de correlação cruzada, conforme gráficos em anexo apresentados.

2. A área abaixo do gráfico de correlação cruzada representa a escala integral espacial, que nos fornece uma idéia do tamanho do turbilhão.
3. Para se obter o gráfico da função de correlação cruzada basta seguir o exemplo abaixo:

TRANSDUTOR	VALOR DA FLUTUAÇÃO (mca)	$C(\xi)$
DC	8	$8 \cdot 8 / 8 \cdot 8$
D1	-2	$-2 \cdot 8 / 8 \cdot 8$
D3	1	$1 \cdot 8 / 8 \cdot 8$
D5	-0,05	$-0,05 \cdot 8 / 8 \cdot 8$

FUNÇÃO DE CORRELAÇÃO CRUZADA



TABELAS COM VALORES DE $\int \rho(\tau)$, $\int C(\xi)$ e U_c , PARA $Q=4000\text{m}^3/\text{s}$

$\int \rho(\tau)$
0,209
0,223
0,226
0,248
0,235
0,249
0,227
0,230
0,241
0,292
Média
0,232

$\int C(\xi)$
0,51
0,87
0,99
0,63

0,90
1,08
0,51
0,42
Média
0,74

Com estes resultados pode-se obter $U_c = 0.74 / 0.232 = (3.20 \pm 1.02) \text{ m/s}$

A partir destes valores para U_c , é possível concluir que os métodos são válidos, isto é, os valores são coerentes.

$U_c \text{ espectral} = 2.41 \pm 0.53 \text{ m/s}$

$U_c \text{ calculado} = 3.20 \pm 1.02 \text{ m/s}$

Cálculo da Velocidade Média do Escoamento

Conhecendo-se a altura de queda, estima-se a velocidade do fluido através de:

$$V = (2gh)^{1/2} \quad V = 25.30 \text{ m/s}$$

Cálculo dos Valores de y_1 , y_2 , U_1 , U_2 .

Estes valores nos permite determinar a velocidade de convecção U_c do turbilhão, através da equação de Rahkmanov[1958]:

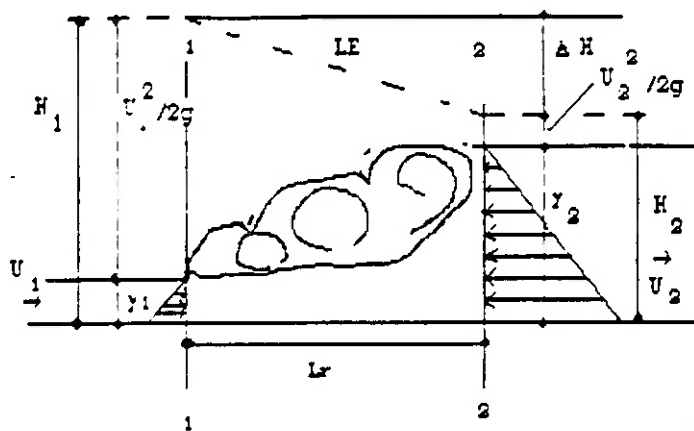
$$U_c = (1.03 - 0.16 x / (y_2 - y_1))(U_1 - U_2) + U_2$$

onde: y_1 , y_2 – alturas conjugadas do ressalto;

U_1 , U_2 – velocidades médias nas seções 1 e 2 do ressalto;

X – distância do início do ressalto.

Obs.: ver equação (26).



Através do Relato do Estudo de Variação de Pressão em Bacia de Dissipação, fig. 22 tem-se para $Q=4000\text{m}^3/\text{s}$:

$$Y_1 = 9\text{m}$$

$$Y_2 = 12\text{m}$$

Área = $Y \cdot 14.4$, onde $b=14.4$ corresponde a largura do vertedouro

$$Q = \text{Área} \cdot \text{Velocidade}$$

Logo:

~~$$U_1 = 4,23 \text{ m/s}$$~~

~~$$U_2 = 2,47 \text{ m/s}$$~~

Com isso, U_c em função de x será:

Uc(m/s)	X(m)
4,28	0,0
4,10	0,5
3,91	1,0
3,72	1,5
3,54	2,0
3,35	2,5
1,30	8,0
0,55	10,0
-0,01	11,5

Comparativo entre a Escala Integral Espacial e o valor de X

Através desta tabela conclui-se que, para os valores de U_c anteriormente calculados, os valores de $X(m)$ são muito próximo aos valores de $\int C(\xi)$, já que:

$$\int C(\xi) \text{ \_\_\_ } 0.74m$$

$$X(m) \text{ \_\_\_ } 1.00m$$

Obs.: tanto $\int C(\xi)$, quanto $X(m)$, estão nos fornecendo uma idéia do tamanho do turbilhão.

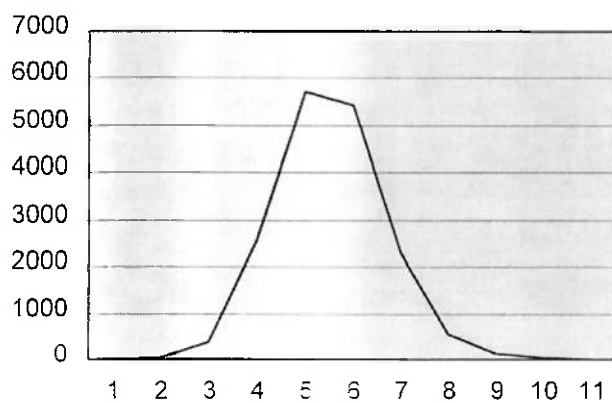
Função de Densidade de Probabilidade

Com a finalidade de se analisar a distribuição estatística do sinal de pressão, foi realizado o seguinte procedimento:

Classificou-se o sinal de pressão de um transdutor em intervalos iguais; e pode-se notar que:

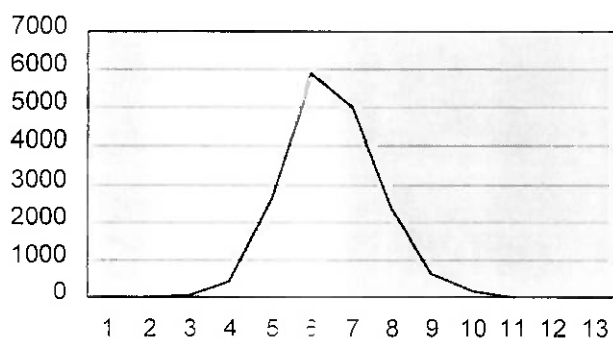
Para DA:

**Densidade de Probabilidade para
 $Q=4000\text{m}^3/\text{s DA}$**

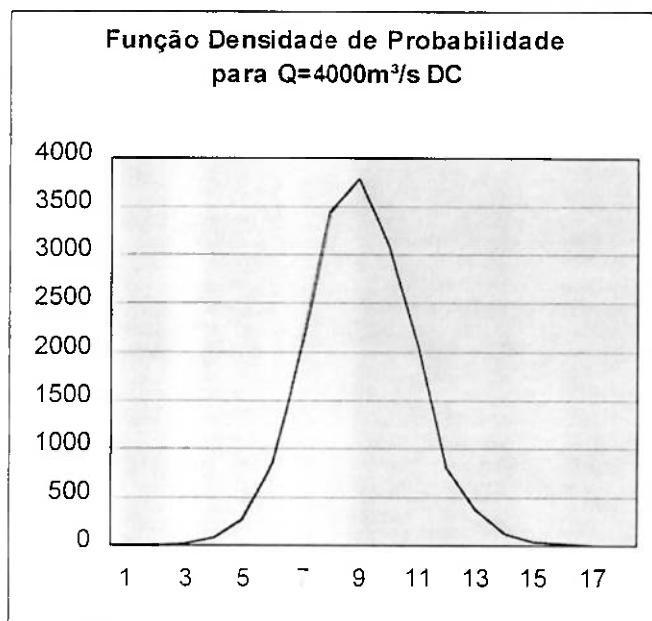


Para DB:

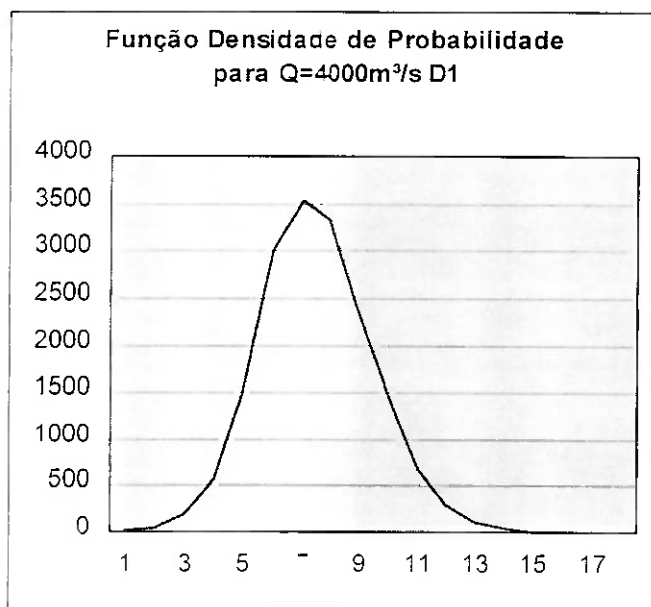
**Função Densidade de Probabilidade
para $Q=4000\text{m}^3/\text{s DB}$**



Para DC:



Para D1:



Como é visível, para os primeiros transdutores a curva de densidade de probabilidade é diferente de uma curva normal. Logo após alguns metros, nota-se que esta curva tence a uma normal.

Base de Dados:

Todos os dados estão divididos da seguinte maneira:

Diretórios:

$Q=4000 \Rightarrow$ dados referentes ao ensaio de $4000\text{m}^3/\text{s}$

$Q=2000 \Rightarrow$ dados referentes ao ensaio de $2000\text{m}^3/\text{s}$

$Q=1000 \Rightarrow$ dados referentes ao ensaio de $1000\text{m}^3/\text{s}$

$Q=500 \Rightarrow$ dados referentes ao ensaio de $500\text{m}^3/\text{s}$

Cada diretório se divide em outras 3 partes (arquivos):

EscIntT $\Rightarrow$ arquivo onde estão os cálculos e dados da Escala Integral de **Tempo**.

EscIntS $\Rightarrow$ arquivo onde estão os cálculos e dados da Escala Integral Espacial.

$Q=4000 \Rightarrow$ arquivo onde estão localizados toda a base de dados do ensaio de Vazão de $4000\text{m}^3/\text{s}$

O último arquivo se divide em 2 planilhas principais:

Velocidade $\Rightarrow$ onde estão as análises e cálculos de U_c (visual).

Estatística $\Rightarrow$ onde está a função de densidade de probabilidade.

Observações Gerais

Com o andamento dos estudos, evidenciam-se que os cálculos se tornariam mais precisos para vazões altas, pois os picos de pressão são maiores. Por este motivo usou-se principalmente a vazão de $4000\text{m}^3/\text{s}$.

Através do estudo da função de correlação cruzada, perceberam-se que os transdutores de pressão estão muito afastados, principalmente os transdutores D5 e D7 (ver figura 1 do Relato do Estudo de Variação de Pressão em Bacia de Dissipação).

É importante notar que a vazão em cada um dos vãos é igual a total dividida por 9, que é o número de vãos.

Todas as dimensões do vertedouro estão no Relato.

Conclusões

Primeiramente, com estes dados experimentais, obteve-se ótimos resultados com relação aos cálculos de U_c , tanto através do método visual, ou do método das escalas integrais (autocorrelação, correlação cruzada), ou ainda pelo método de RAKHMANOV, todos eles são coerentes.

Com relação a análise da função de densidade de probabilidade, nota-se claramente que no início do ressalto hidráulico tem-se uma curva bem distante da curva normal, já após alguns metros a curva de densidade de probabilidade aproxima-se muito da curva normal.

Finalmente pode-se dizer que este banco de dados tem muito a ser explorado, isto é, através dele se poderá obter muitas outras análises, principalmente com relação ao aspecto energético da turbulência.

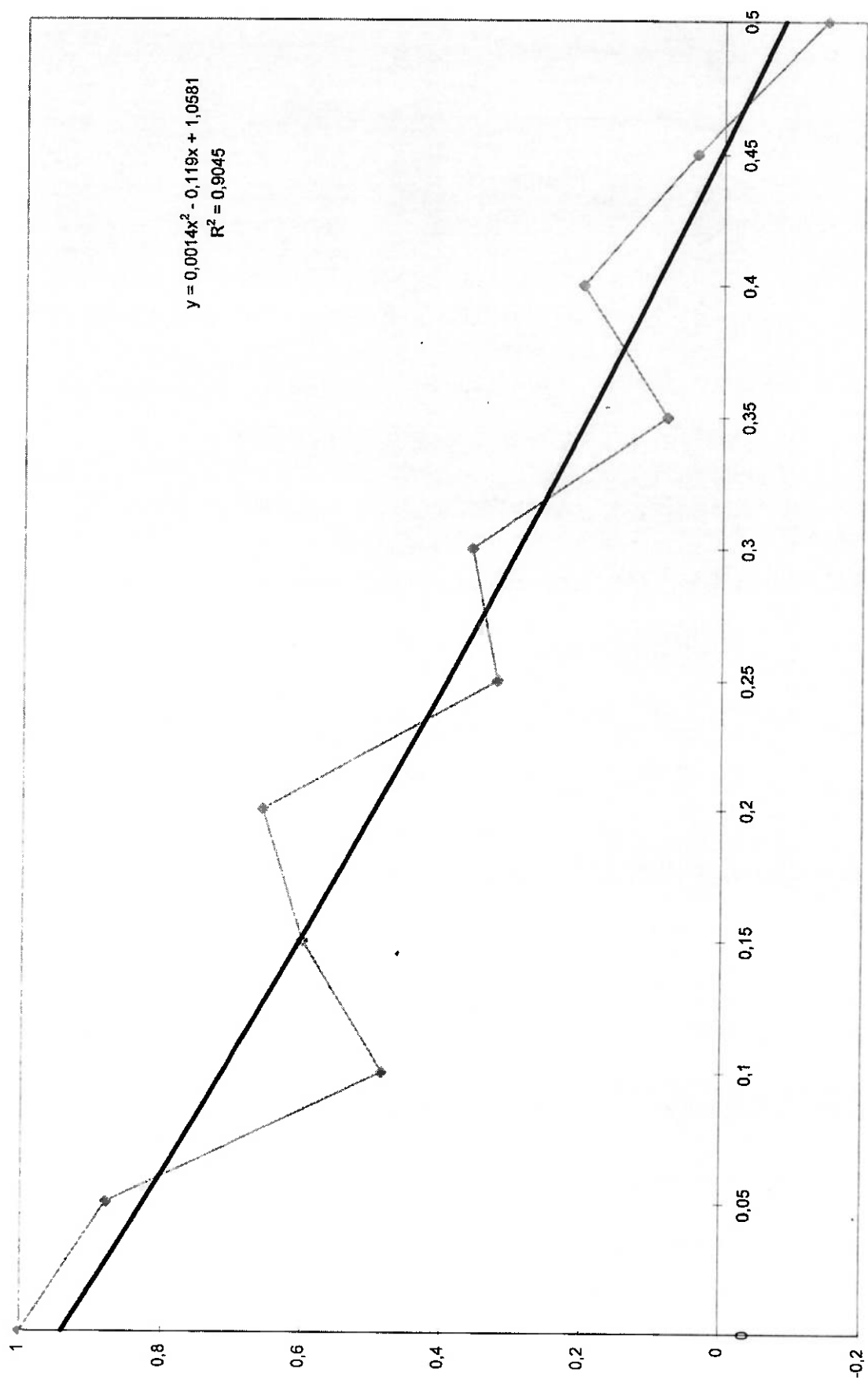
REFERÊNCIAS BIBLIOGRÁFICAS

ORTIZ, JAYME; Tese de Doutorado; Estrutura e Resolução de Pressões Flutuantes - Sua Análise Randômica na Base do Ressalto Hidráulico.

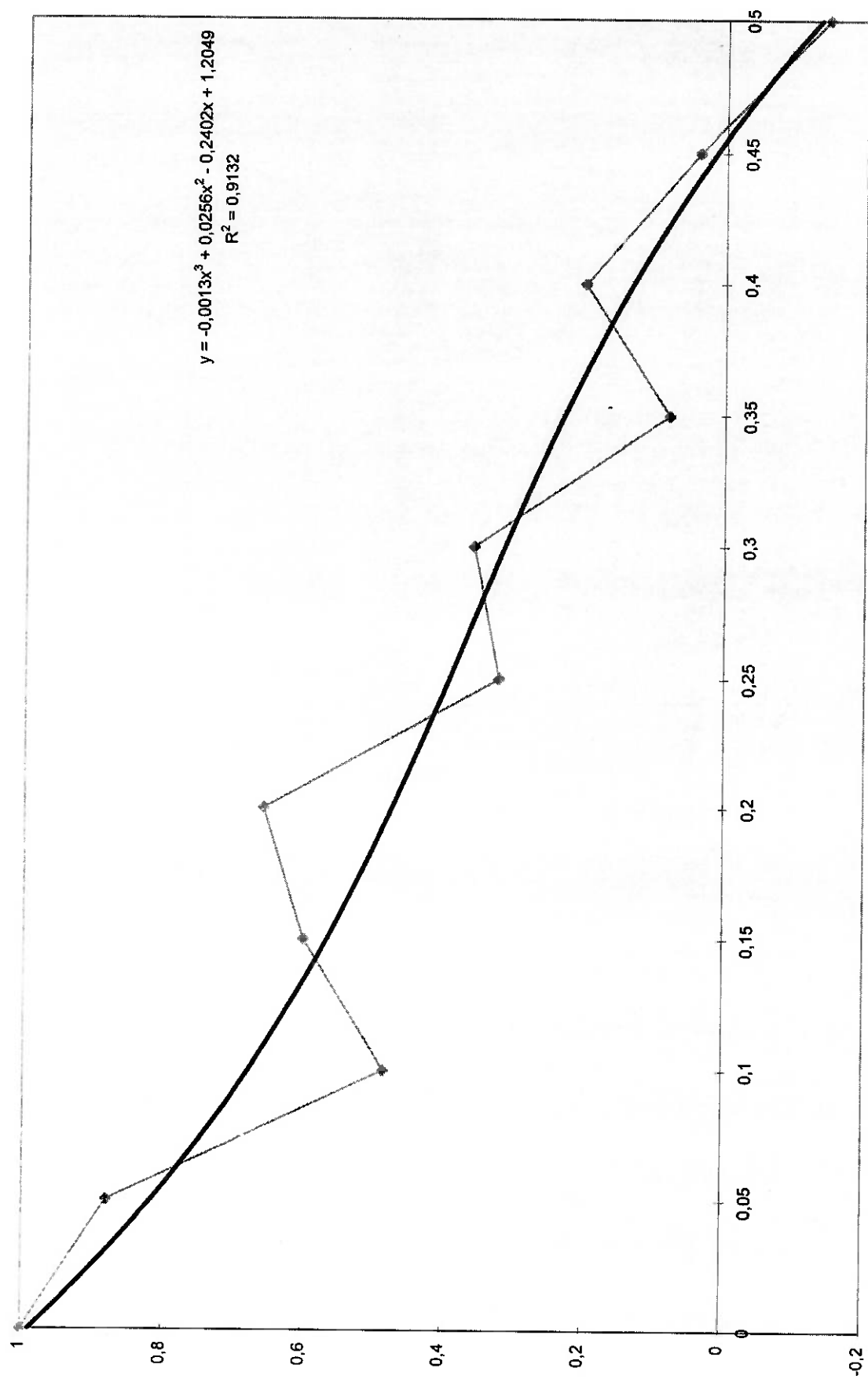
Trabalho Realizado em Porto Colômbia; Flutuação de Pressão em Bacias de Dissipação.

Anexo 1 – Gráficos da Função de Autocorrelação e Correlação Cruzada.

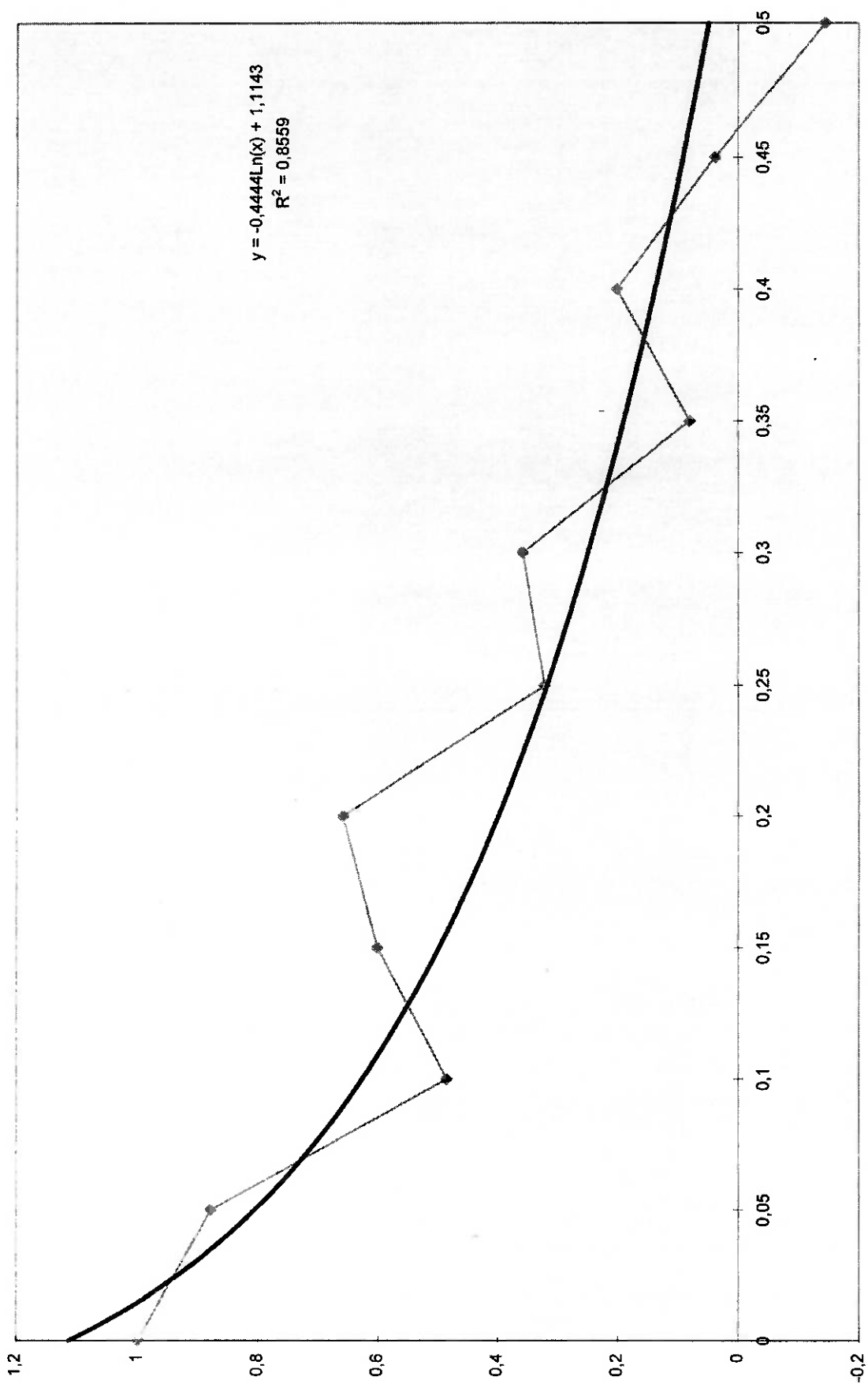
Autocorrelação Q=4000m³/s



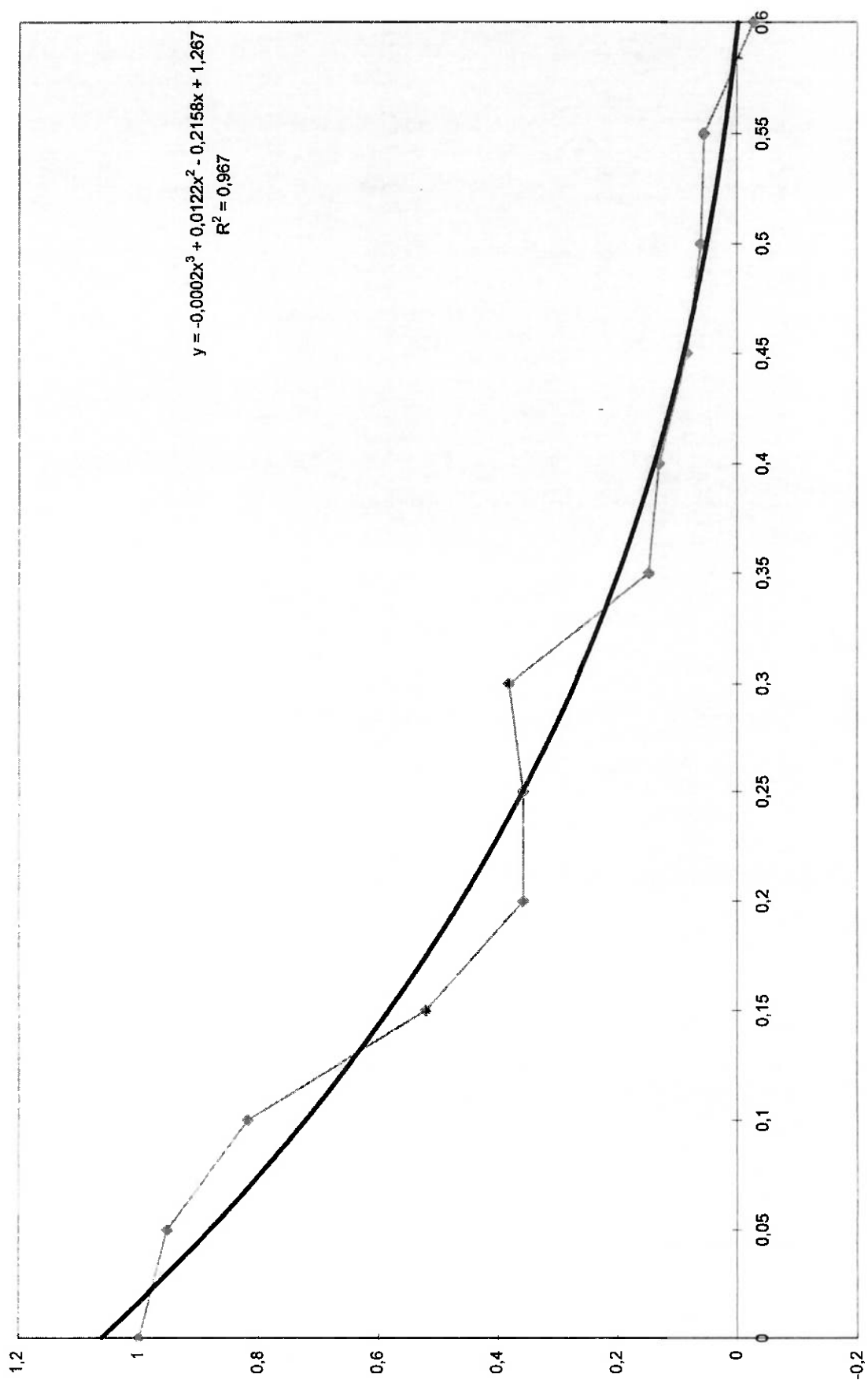
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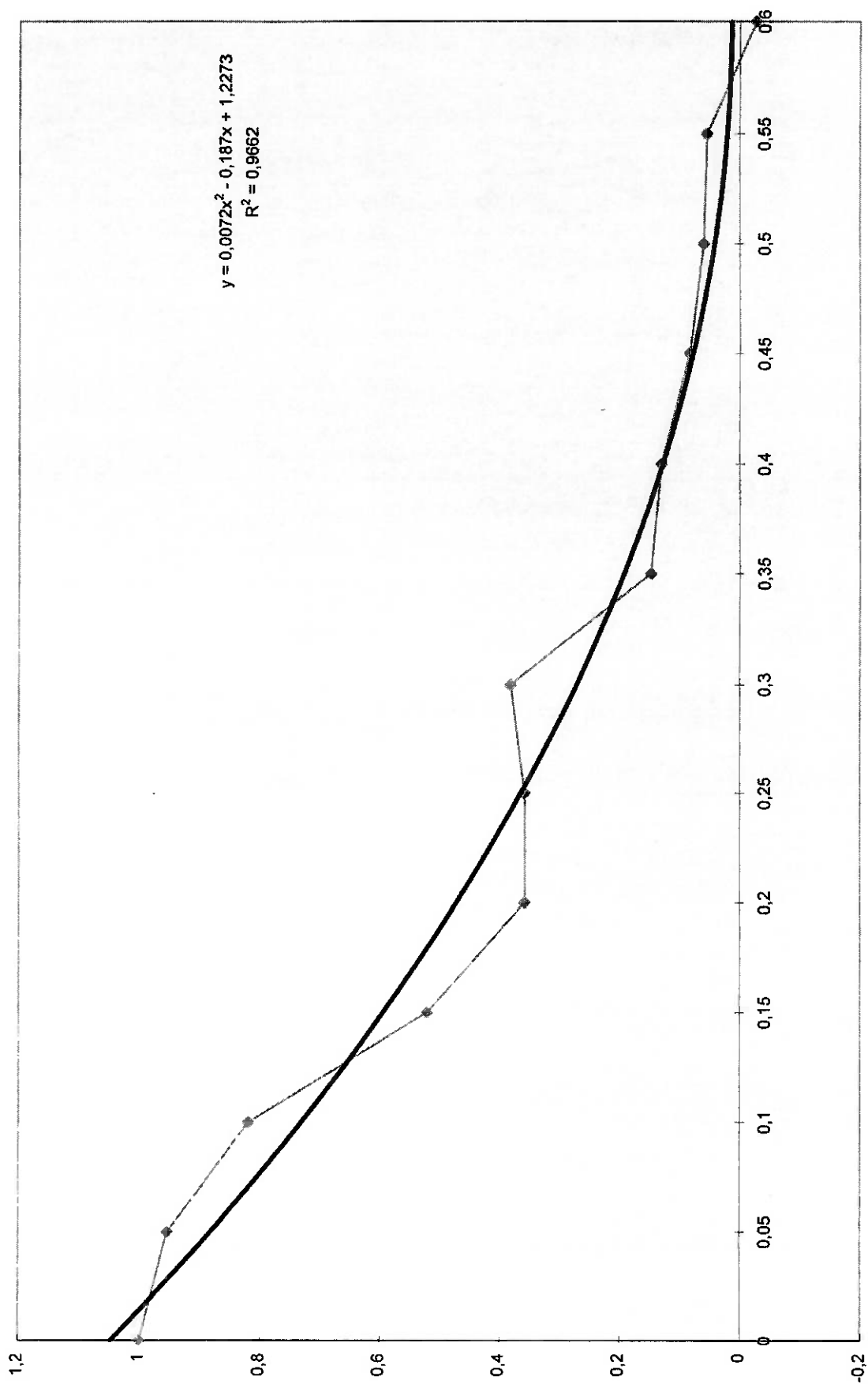
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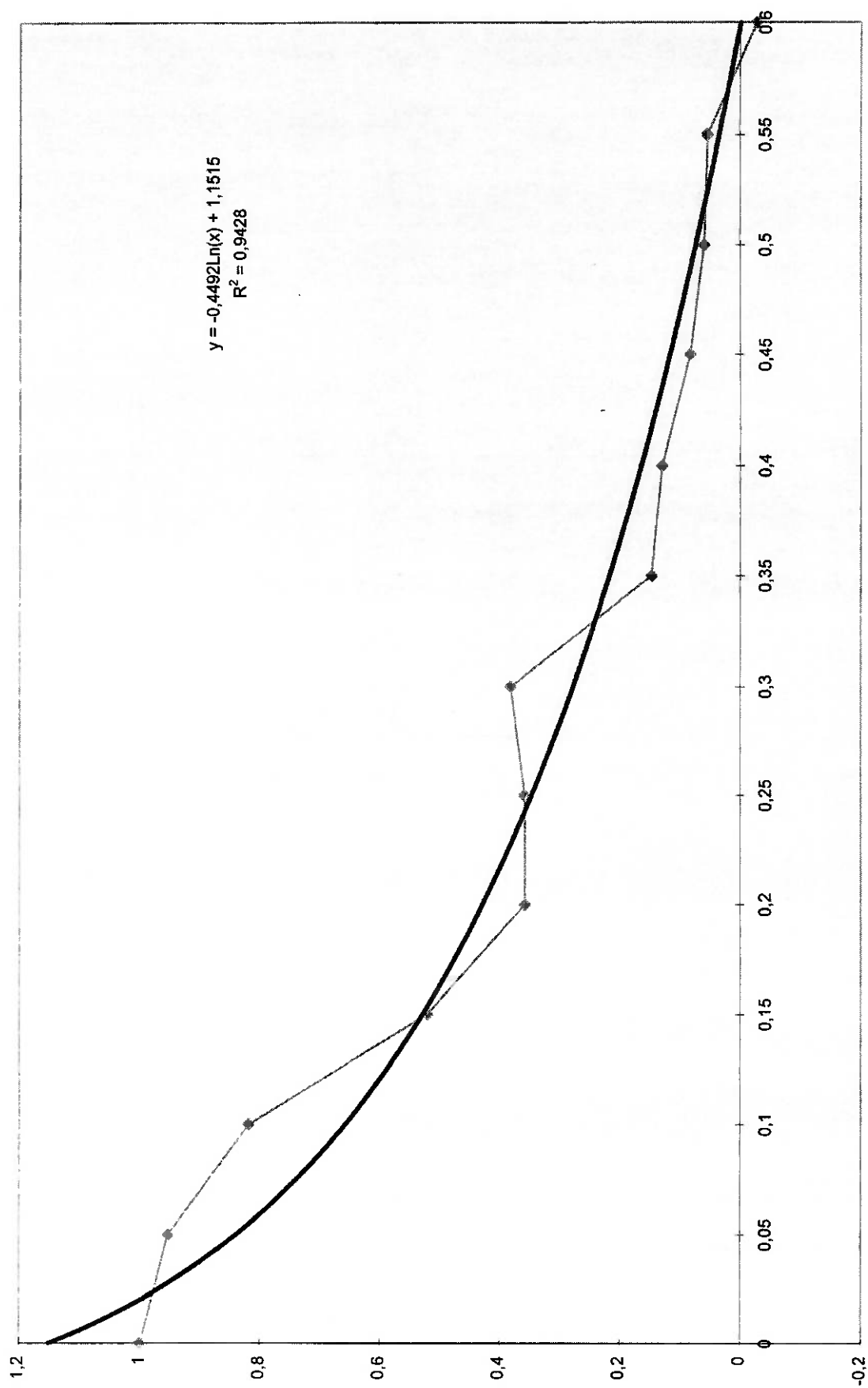
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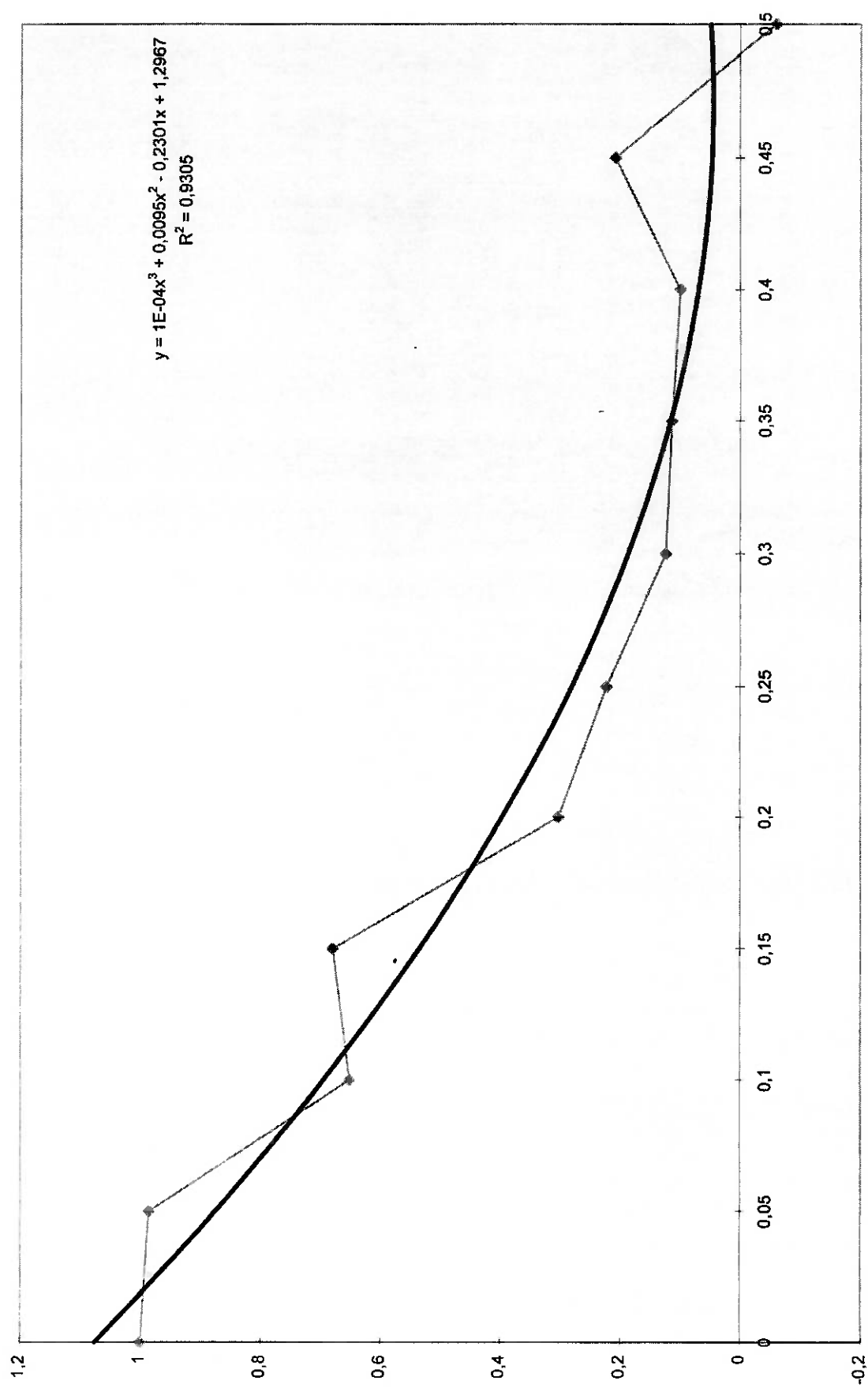
Autocorrelação Q=4000m³/s



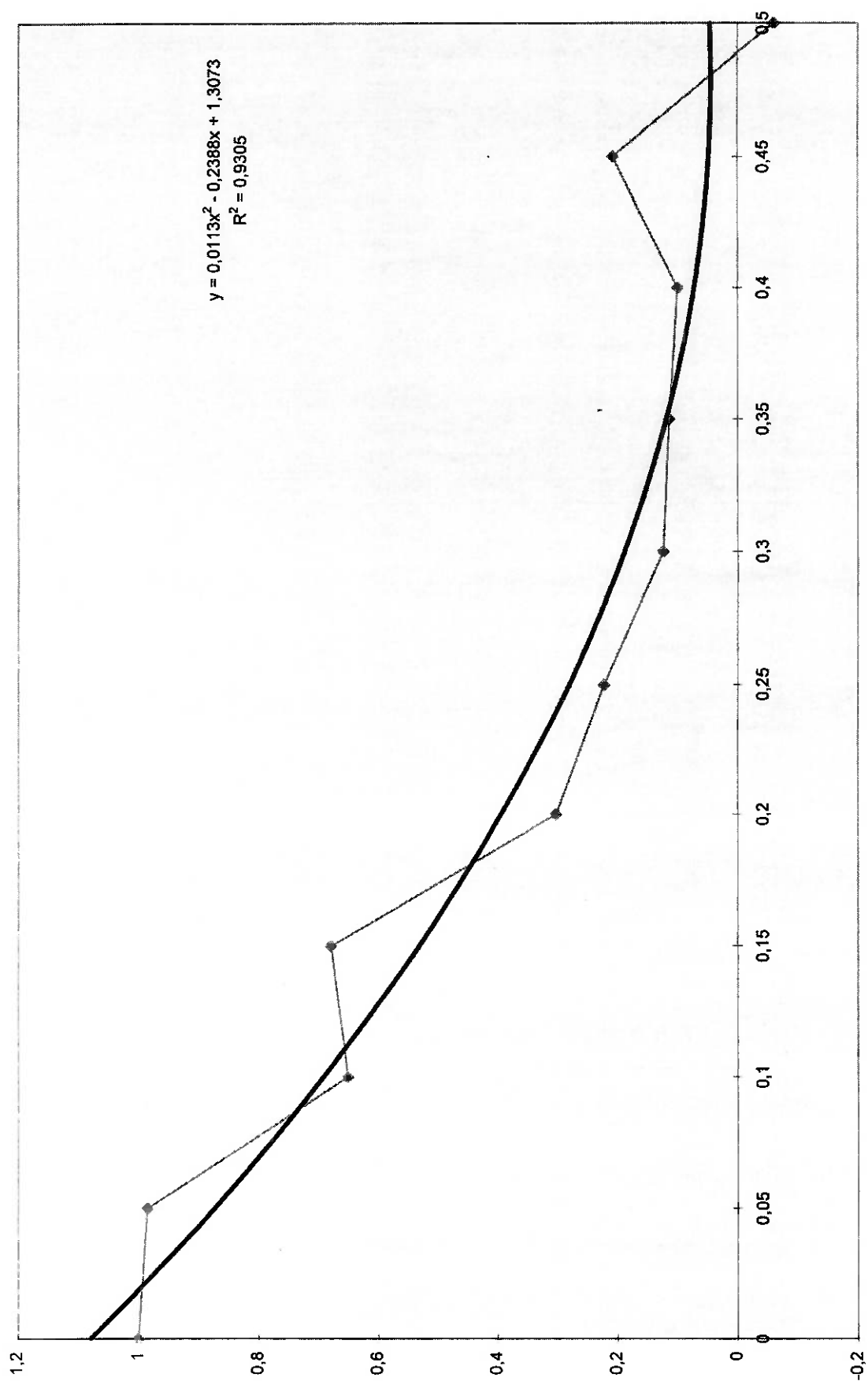
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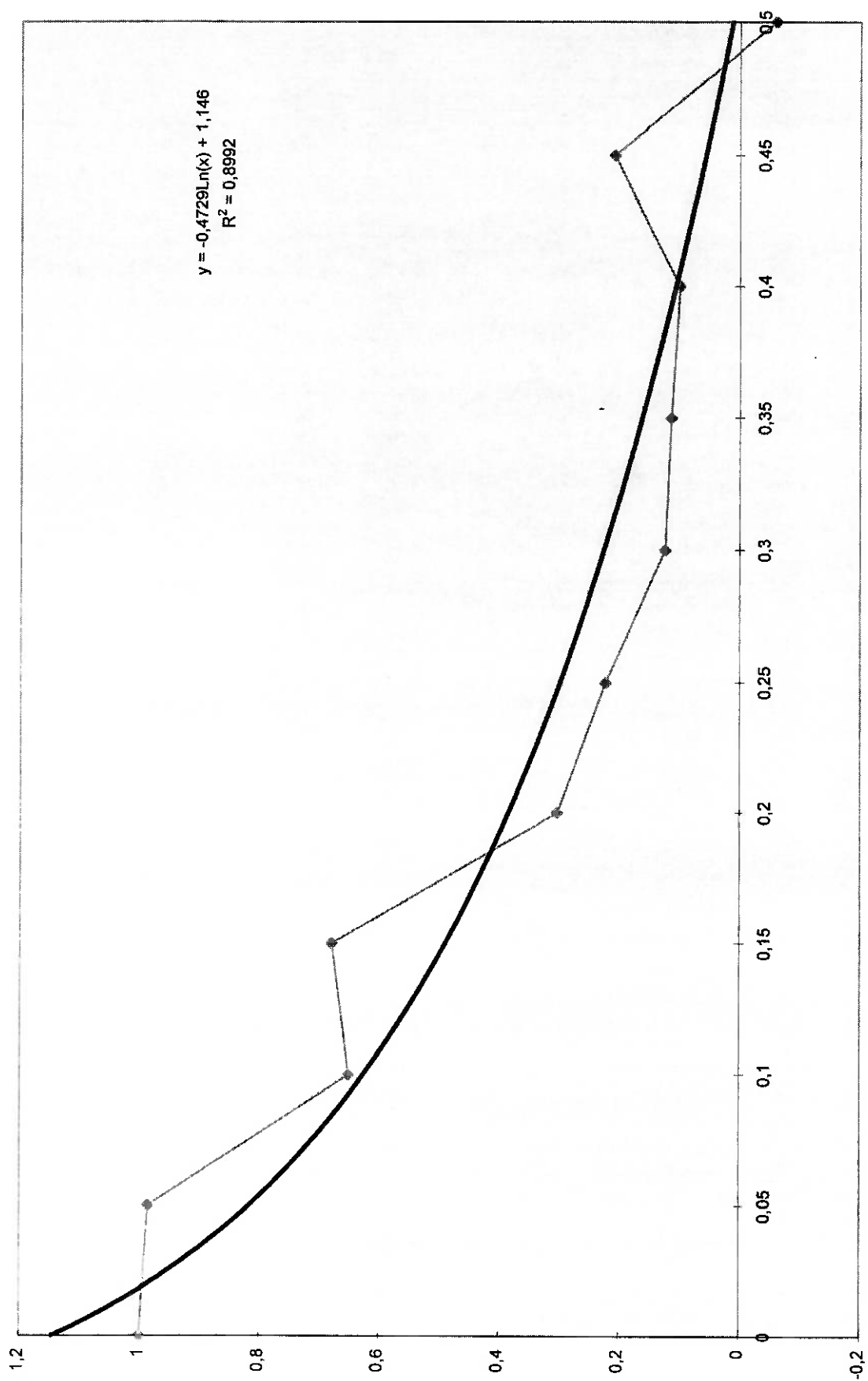
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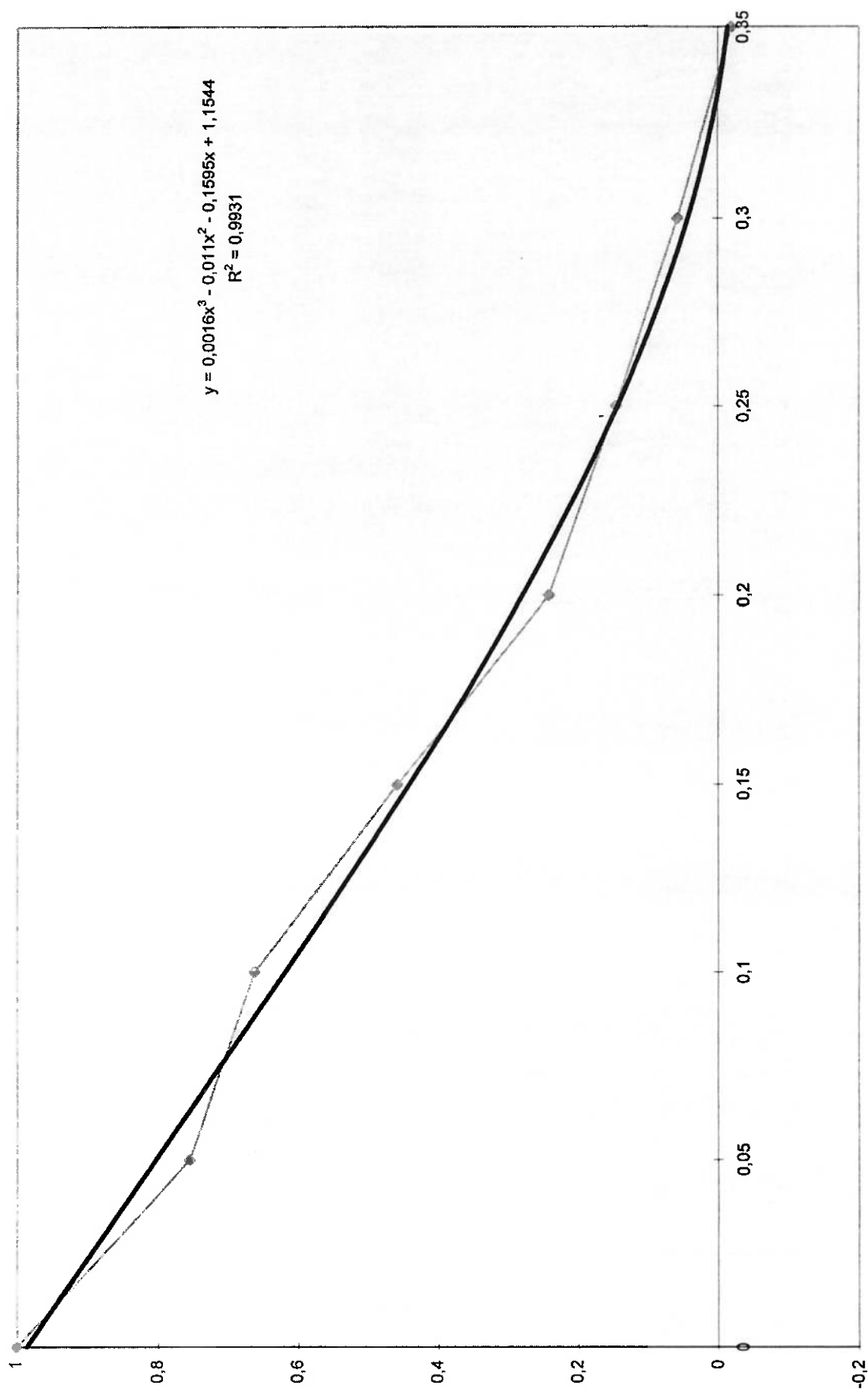
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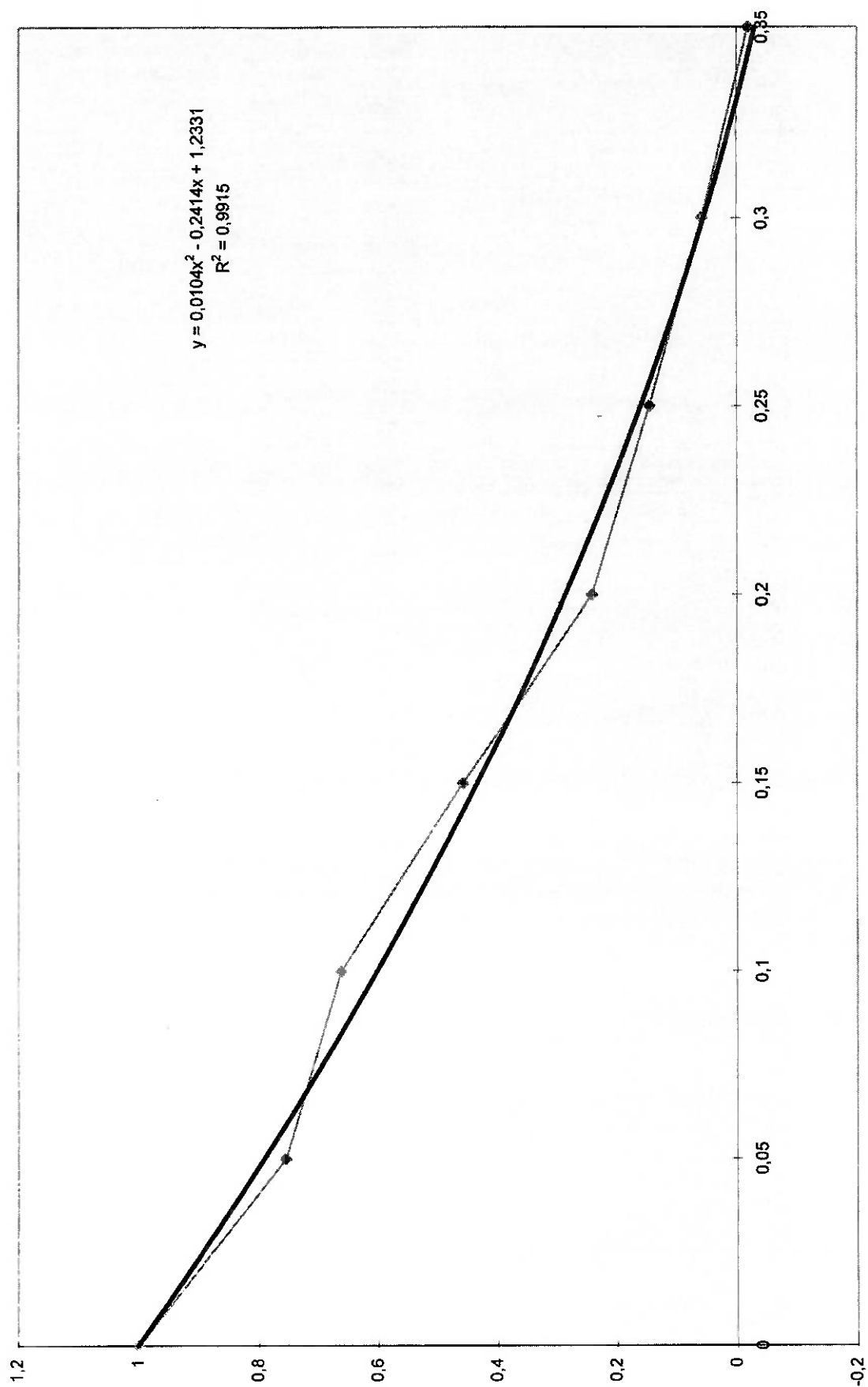
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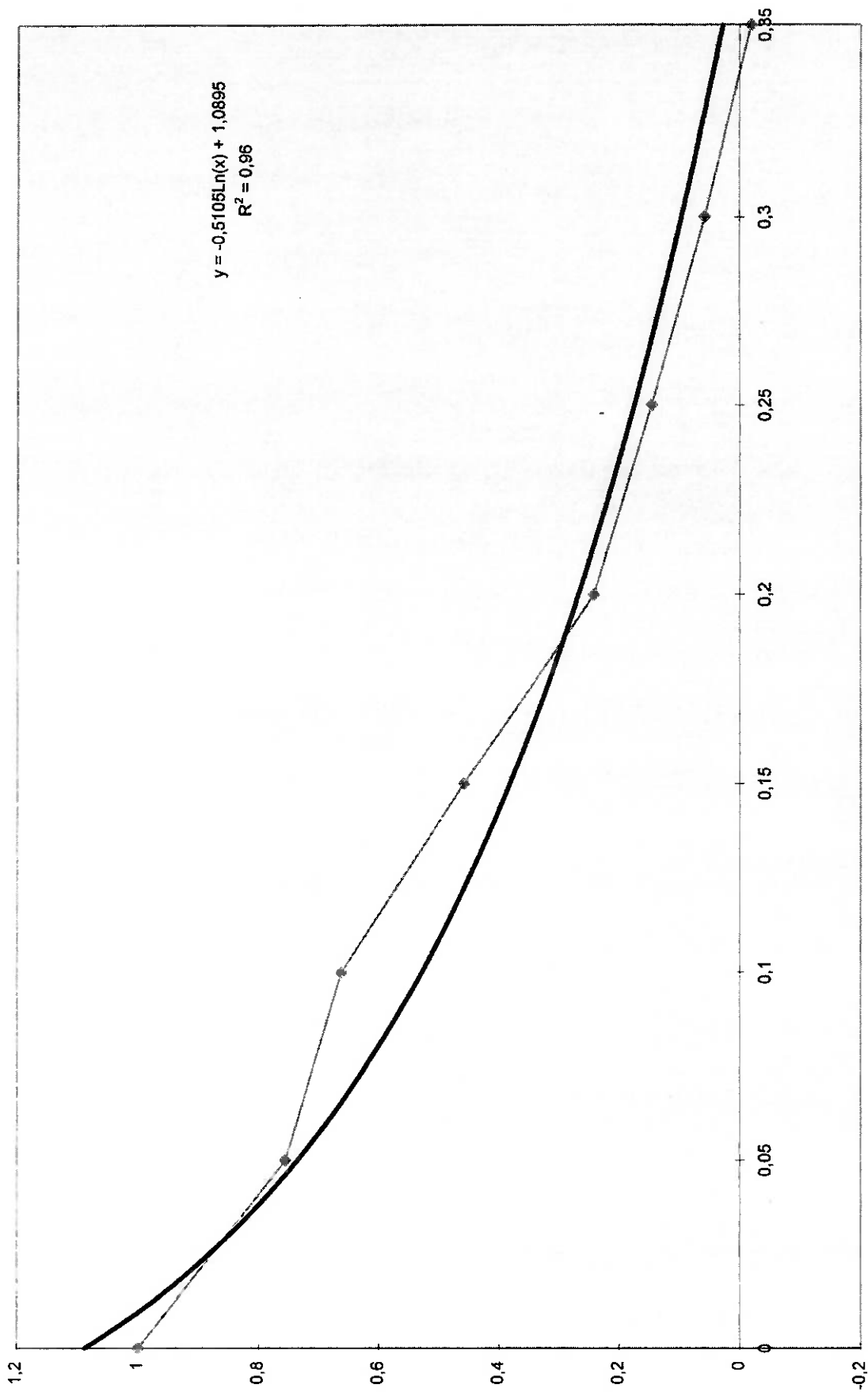
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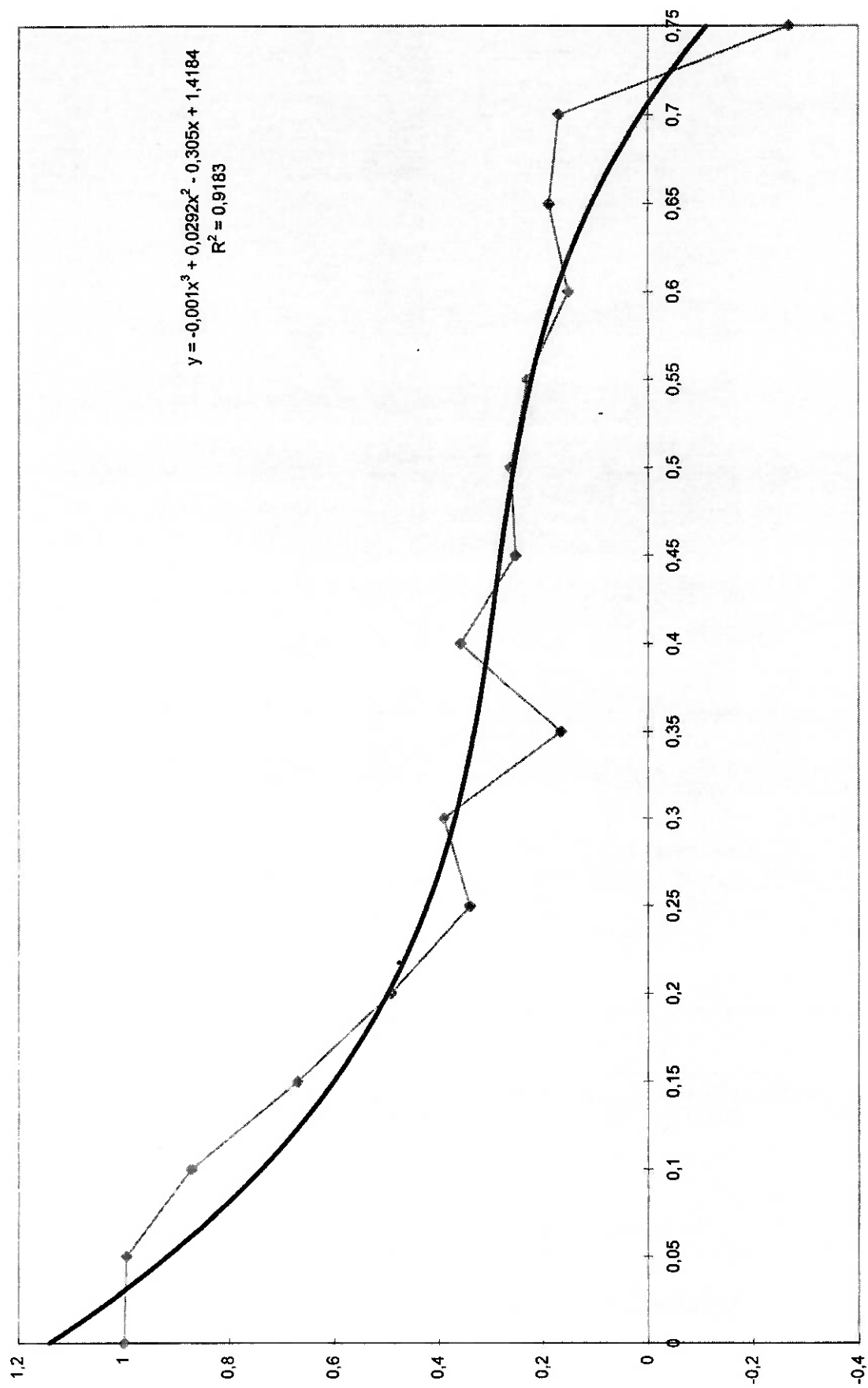
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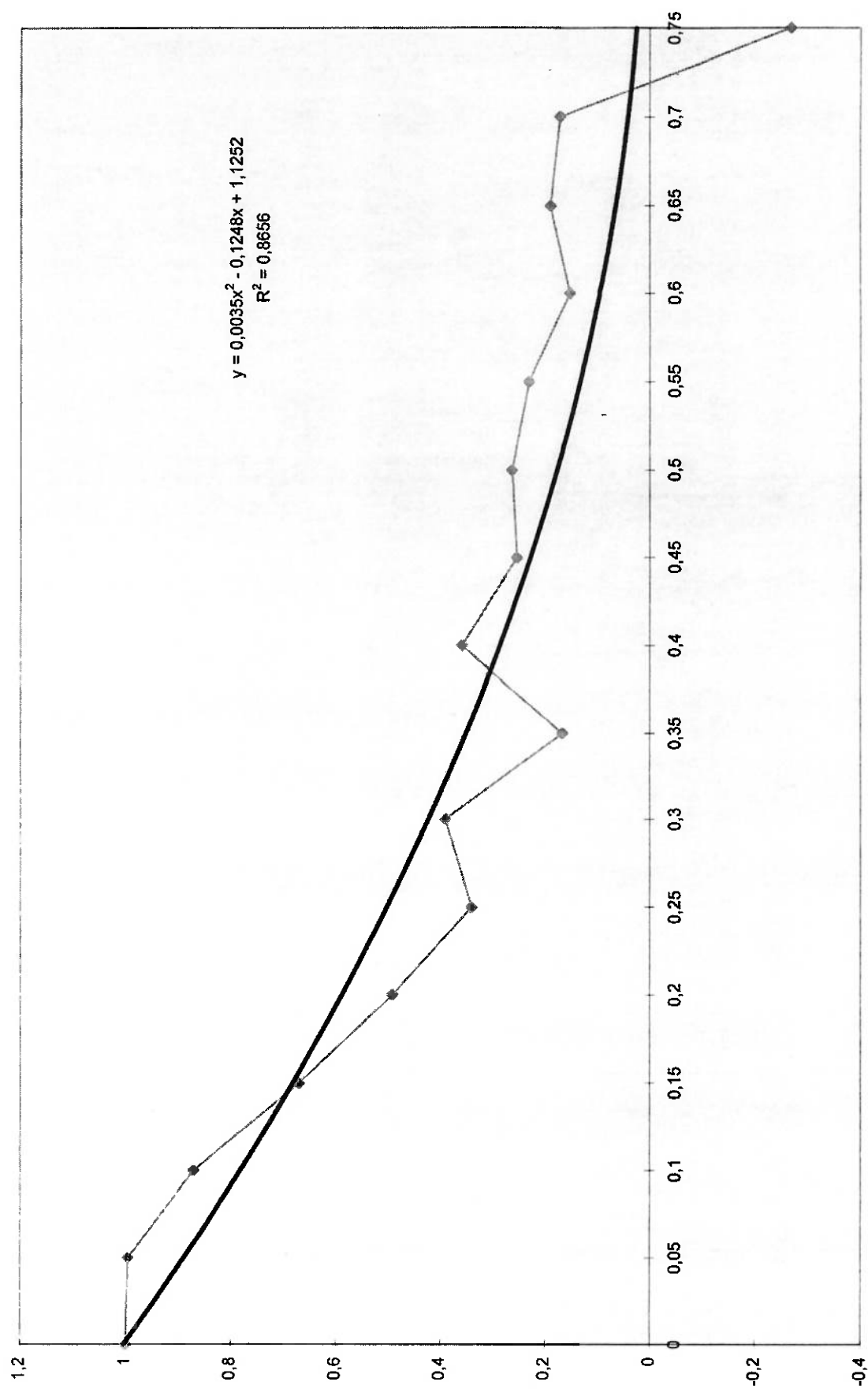
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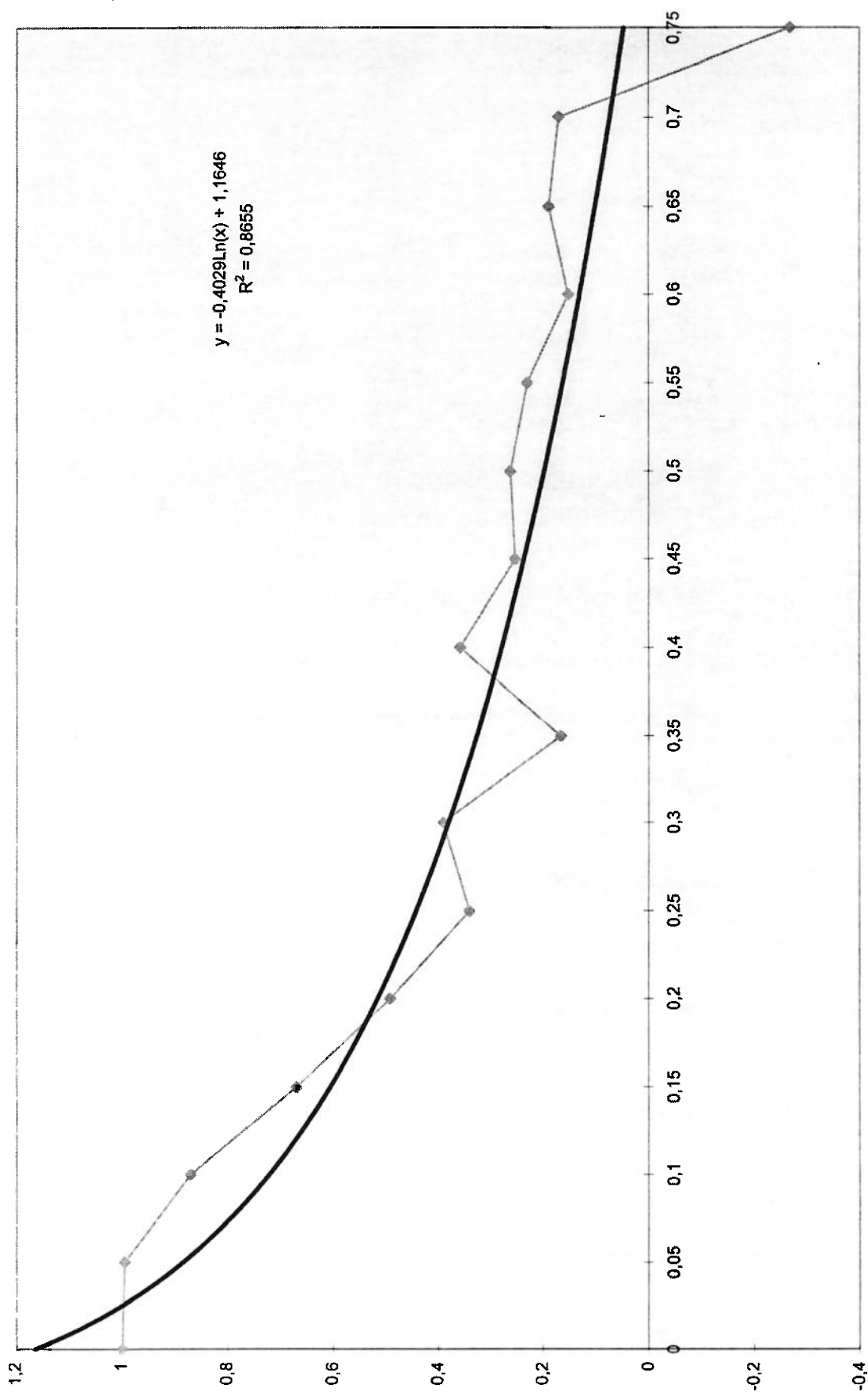
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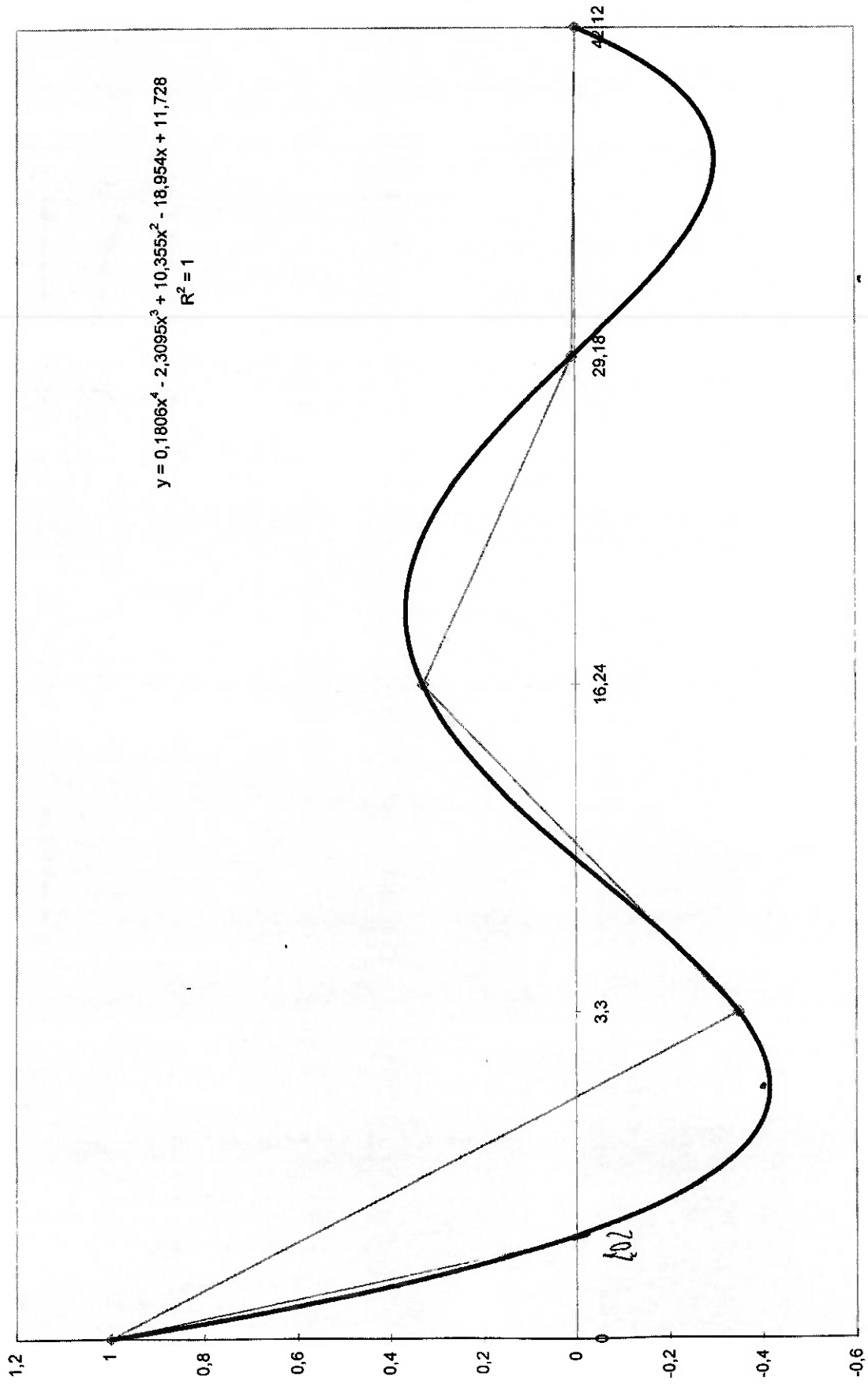
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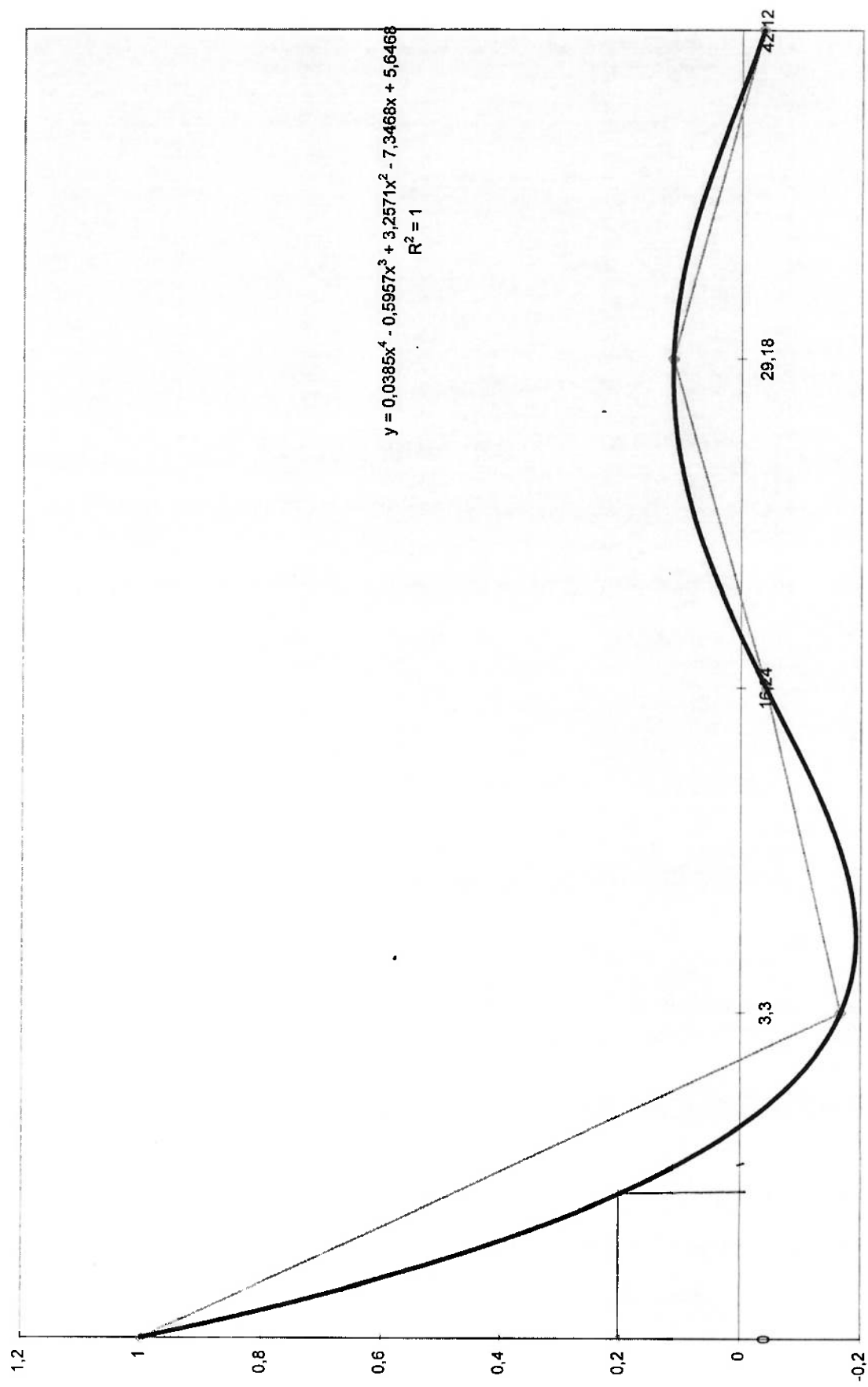
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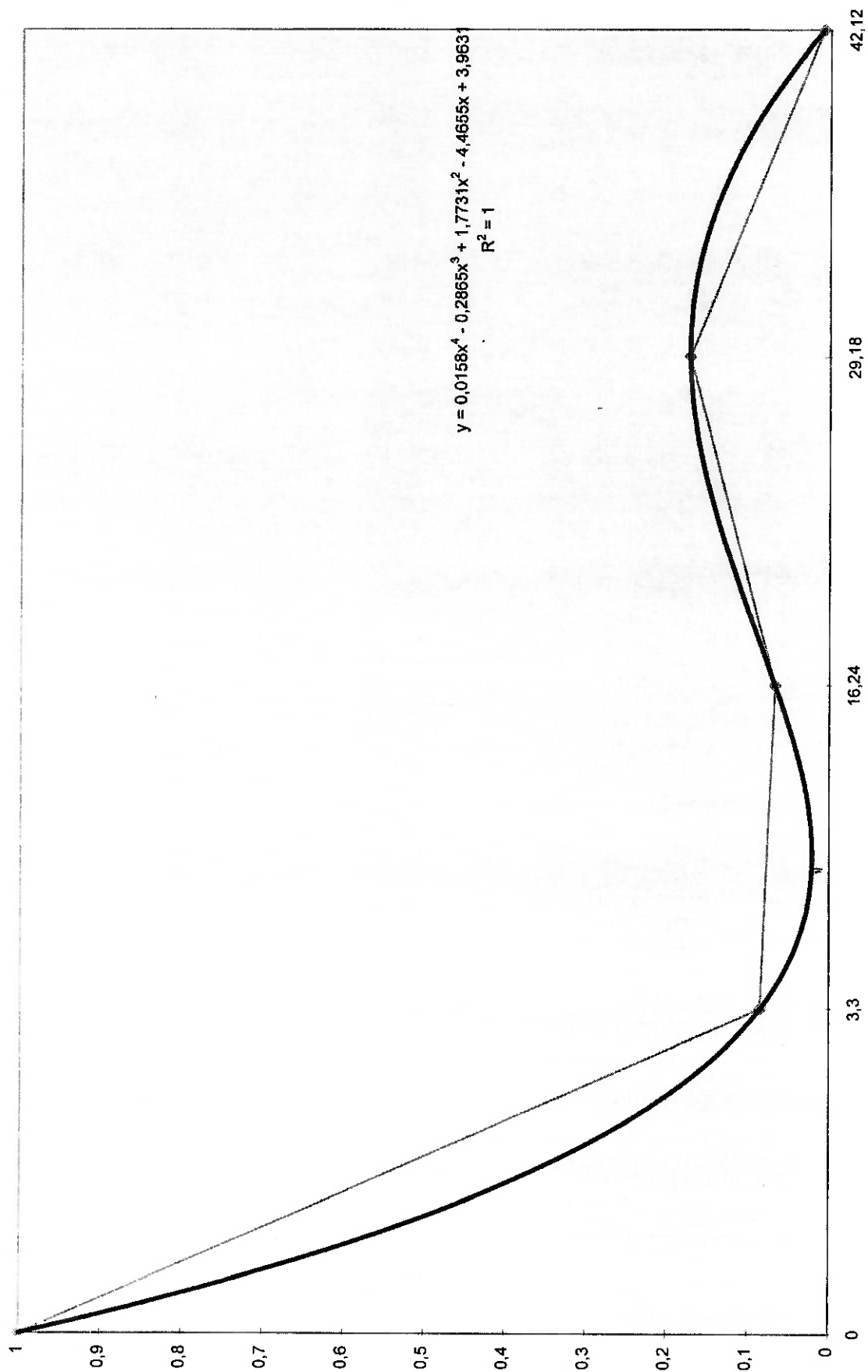
Correlação Cruzada Q=4000m³/s



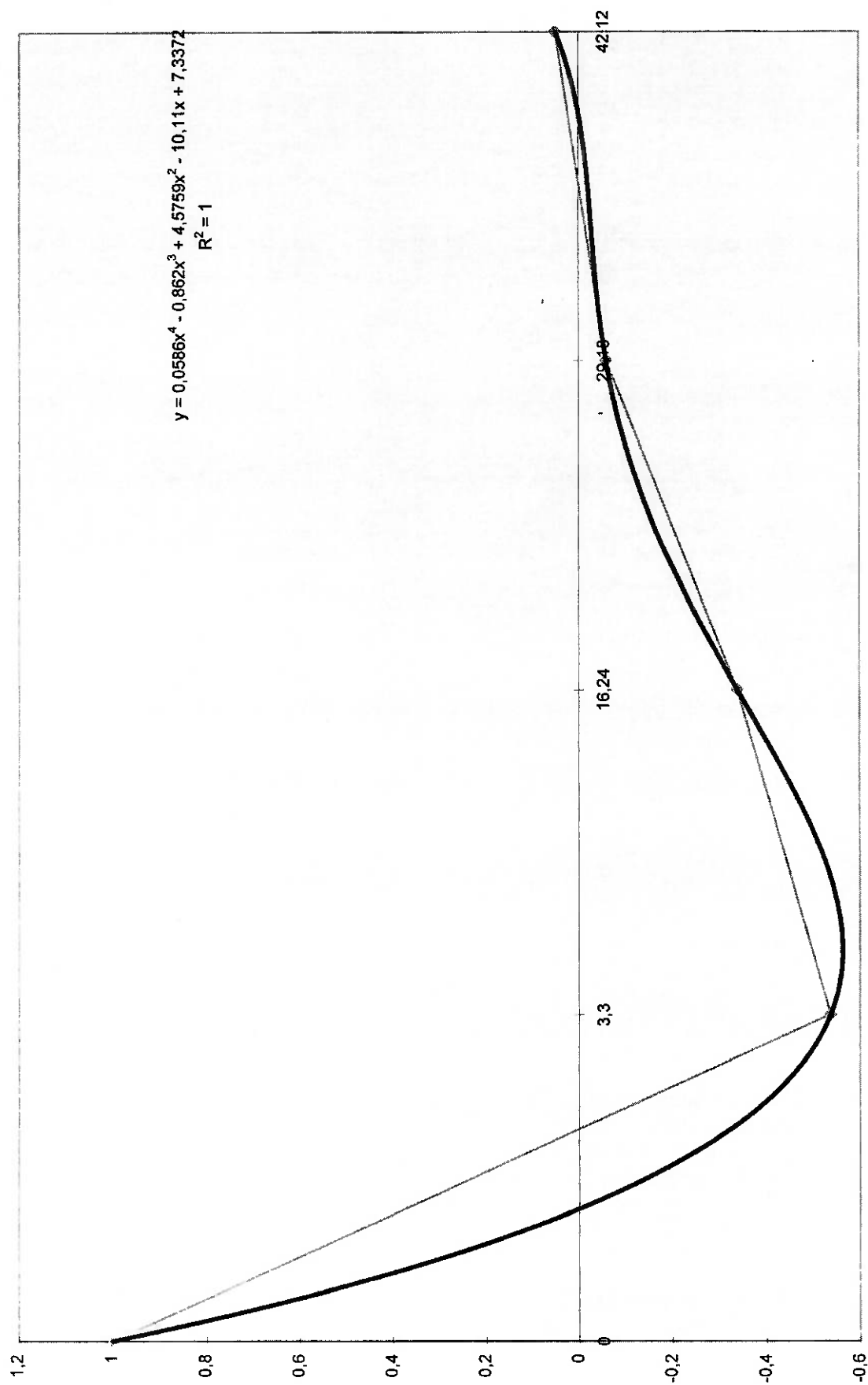
Correlação Cruzada Q=4000m³/s



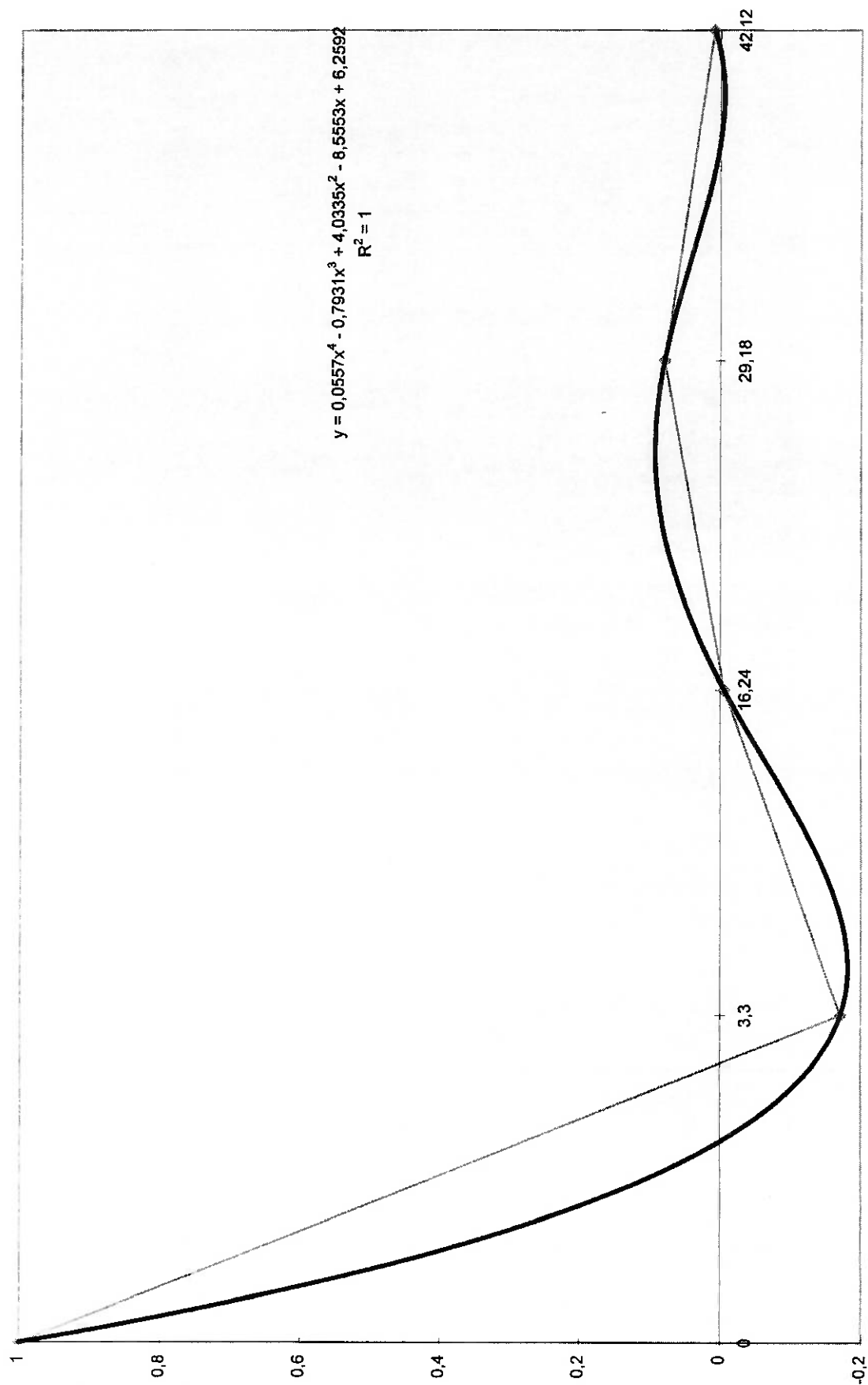
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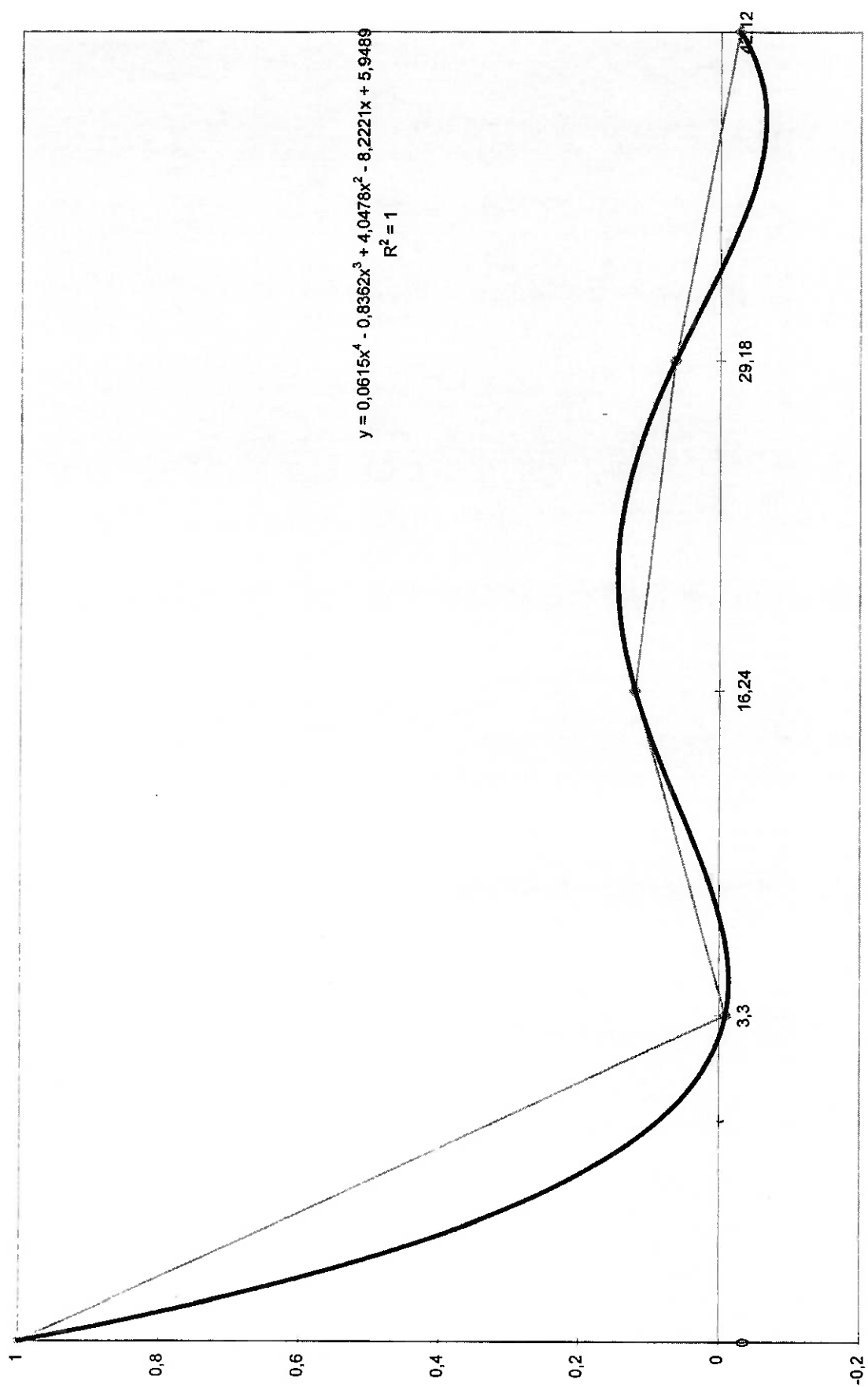
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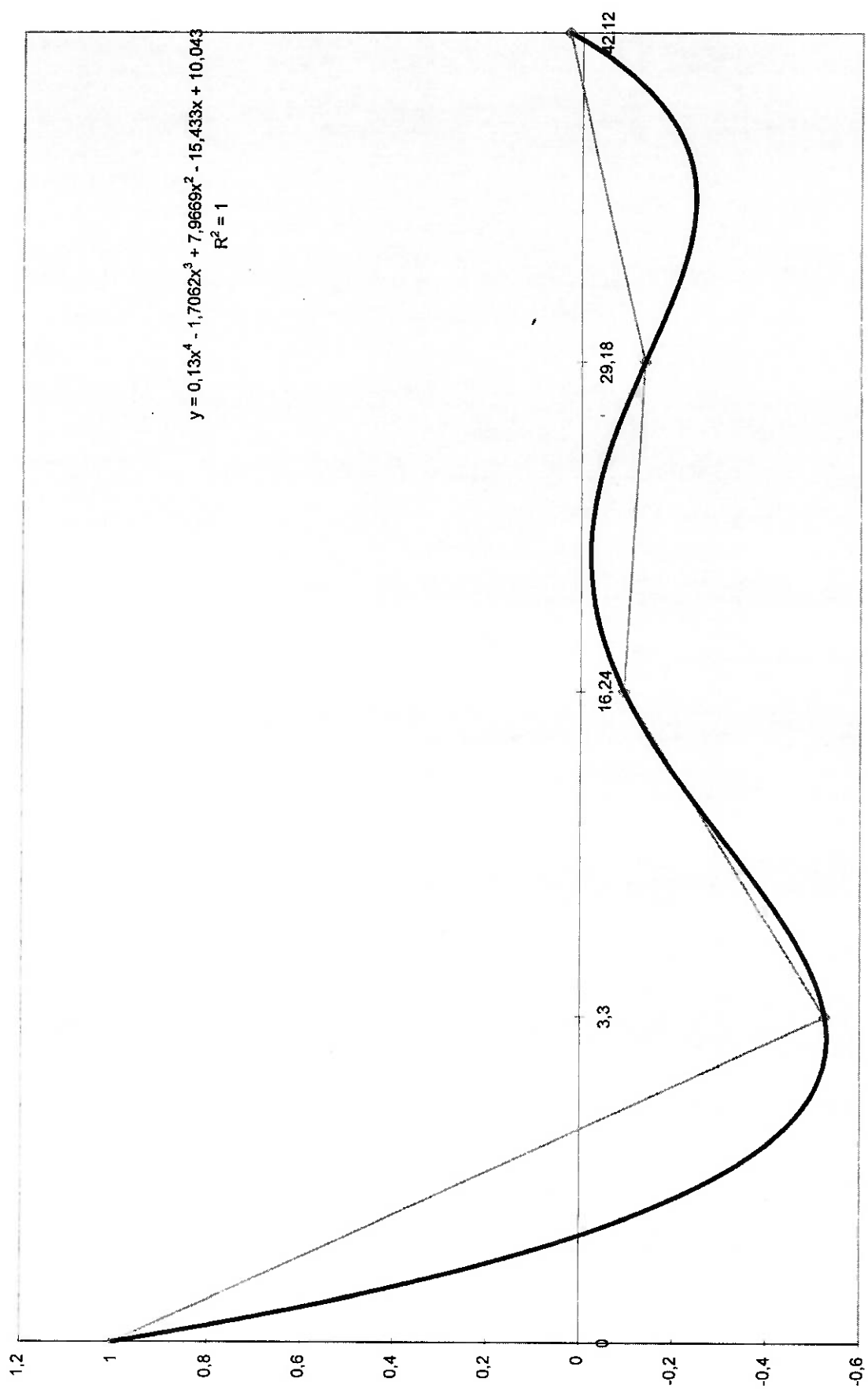
Correlação Cruzada Q=4000m³/s



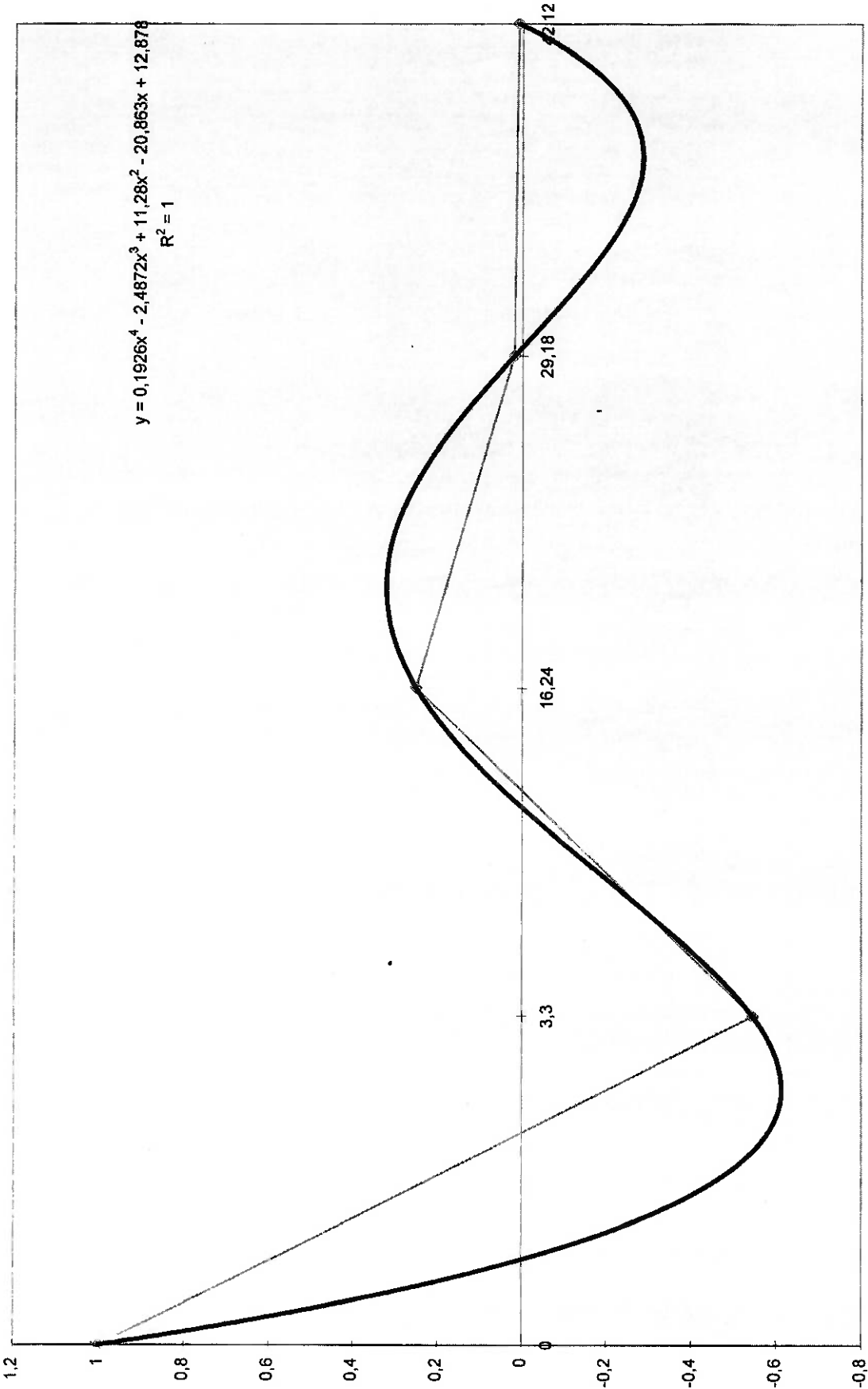
Correlação Cruzada Q=4000m³/s



Correlação Cruzada Q=4000m³/s



Correlação Cruzada Q=4000m³/s



t,

Anexo 2 – Dados Originais com os Valores de Pressão de cada Transdutor, para

Vazão $Q = 4000\text{m}^3/\text{s}$.

Base deDados:**Dados Colhidos da Usina de Porto Colômbia**

Modelo Pcd1a7.013

Vazão Q=4000m³/s

Transdutores

DA	DB	DC	D1	D3	D5	D7	
canal1 (mca)	canal2 (mca)	canal3 (mca)	canal4 (mca)	canal5 (mca)	canal6 (mca)	canal7 (mca)	Tempo (s)
7,902	10,247	6,163	6,172	7,152	9,133	10,490	0,05
7,867	10,247	9,788	6,420	6,900	8,639	10,454	0,1
8,117	9,406	12,133	6,705	7,620	8,886	10,384	0,15
7,223	10,457	11,458	5,178	7,260	8,604	10,244	0,2
6,937	9,827	10,178	7,557	7,692	8,463	10,138	0,25
6,579	11,088	9,468	8,587	8,053	8,357	10,279	0,3
7,259	10,948	9,112	8,942	8,341	8,251	10,279	0,35
6,722	12,489	9,006	8,480	9,675	8,780	10,279	0,4
6,686	12,804	8,366	9,297	10,287	9,733	10,349	0,45
7,151	11,683	7,655	9,262	9,026	10,297	10,630	0,5
7,402	11,088	5,843	8,551	10,215	10,403	10,876	0,55
7,652	10,702	4,777	7,237	8,161	10,474	11,017	0,6
8,224	10,737	6,305	7,521	8,521	10,227	11,158	0,65
8,296	10,457	7,513	6,989	8,089	10,192	11,122	0,7
8,403	10,387	8,295	7,166	6,936	10,368	11,087	0,75
7,724	10,212	9,148	5,888	5,999	10,156	10,876	0,8
7,759	9,827	9,717	6,634	6,972	10,192	10,876	0,85
6,579	10,808	10,072	5,355	7,440	9,768	10,876	0,9
6,829	10,808	8,508	5,036	7,152	9,768	10,982	0,95
7,151	12,139	7,975	5,213	7,368	9,803	11,158	1
7,437	11,823	8,295	7,592	7,440	9,662	11,228	1,05
8,332	11,648	8,437	7,344	8,954	10,050	10,806	1,1
8,582	11,368	7,798	7,344	7,440	10,156	10,630	1,15
7,366	10,597	7,869	8,090	6,719	10,297	10,806	1,2
6,901	10,247	8,366	7,095	8,629	10,439	10,841	1,25
6,937	10,107	8,722	5,746	7,584	10,403	10,736	1,3
6,185	9,897	8,473	5,888	8,089	10,297	10,736	1,35
6,507	10,702	8,970	6,136	8,521	10,050	10,665	1,4
6,579	10,562	11,031	5,959	8,593	9,874	10,560	1,45
7,294	11,438	10,712	5,462	8,882	9,698	10,454	1,5
6,758	10,632	10,143	4,574	9,026	9,733	10,454	1,55
8,153	10,632	9,859	6,634	8,846	9,909	10,490	1,6
8,081	10,107	9,432	6,847	8,305	10,086	10,454	1,65
7,652	10,878	9,219	7,806	8,233	10,156	10,419	1,7
8,224	9,862	8,224	7,699	8,197	10,192	10,244	1,75
7,652	9,827	8,046	7,486	8,413	10,262	10,314	1,8
7,187	9,652	7,798	7,663	8,665	10,297	10,419	1,85
7,581	9,126	8,260	7,415	9,675	10,227	10,595	1,9
7,008	11,263	8,508	6,634	9,314	10,121	10,525	1,95
6,686	11,438	8,615	6,847	8,017	10,086	10,595	2
6,328	12,489	8,935	5,888	7,116	10,192	10,560	2,05
7,294	11,473	9,219	5,249	8,233	10,262	10,525	2,1
7,509	12,244	9,326	6,136	8,954	10,368	10,454	2,15
6,865	12,874	8,650	5,249	8,557	10,368	10,384	2,2

7,115	11,788	8,650	4,041	8,449	10,333	10,349	2,25
7,581	10,843	8,295	8,658	7,332	10,333	10,525	2,3
7,509	10,387	8,224	7,699	7,837	10,262	10,490	2,35
7,223	10,037	8,579	7,237	7,584	10,297	10,525	2,4
6,364	10,948	8,260	7,095	8,665	10,368	10,525	2,45
6,472	9,757	8,579	6,918	9,530	10,474	10,771	2,5
6,615	9,897	8,722	5,781	9,062	10,403	10,841	2,55
6,972	9,897	11,209	7,166	8,918	10,474	10,947	2,6
7,974	9,617	11,031	6,669	8,089	10,509	10,876	2,65
7,724	9,827	10,640	6,278	6,251	10,474	11,158	2,7
6,937	9,862	8,722	4,858	6,972	10,686	11,228	2,75
6,722	10,597	7,229	6,669	5,566	11,038	11,158	2,8
6,472	10,948	9,148	7,557	5,963	11,074	11,579	2,85
7,151	11,683	9,041	8,764	7,008	11,215	11,369	2,9
7,259	11,963	9,468	8,871	8,089	11,285	11,087	2,95
7,867	11,788	8,046	9,581	7,945	11,250	11,052	3
7,151	11,648	7,229	9,404	8,882	11,250	11,052	3,05
6,865	11,088	7,726	8,516	9,747	11,179	10,771	3,1
7,294	11,368	6,305	5,888	8,882	11,179	10,701	3,15
7,080	11,088	7,335	5,533	8,197	11,003	10,560	3,2
7,080	12,944	6,945	5,746	8,738	10,615	10,595	3,25
6,722	12,839	7,620	8,480	8,485	10,262	10,876	3,3
7,366	12,104	8,153	8,232	8,125	10,192	10,912	3,35
7,223	11,648	8,153	7,983	8,305	9,980	11,017	3,4
7,473	11,403	7,478	6,349	8,017	9,627	11,087	3,45
6,543	10,527	8,224	5,355	8,521	9,521	11,193	3,5
6,794	10,247	8,722	5,497	7,729	9,556	11,369	3,55
6,686	10,527	8,935	5,391	7,512	9,486	11,439	3,6
6,543	9,687	10,143	4,183	8,774	9,556	11,369	3,65
7,294	9,757	10,356	5,391	7,945	9,627	11,122	3,7
7,330	10,037	10,818	6,207	8,125	9,909	11,017	3,75
7,581	9,897	11,387	6,669	8,521	9,733	10,806	3,8
7,724	9,301	11,351	6,563	8,485	9,874	10,806	3,85
7,867	8,321	10,321	7,131	8,882	9,310	10,912	3,9
6,579	10,177	8,650	6,349	8,738	9,415	10,947	3,95
6,686	9,652	7,869	6,492	9,422	9,733	11,017	4
6,615	9,196	8,366	6,811	7,945	9,839	11,017	4,05
6,114	8,566	7,300	7,628	6,792	9,839	11,052	4,1
6,507	11,263	7,158	8,409	8,161	10,015	11,158	4,15
6,293	12,349	6,412	8,267	9,098	10,015	11,298	4,2
6,579	14,240	5,488	7,557	8,954	9,874	11,298	4,25
7,008	13,225	6,269	7,912	8,774	9,768	11,158	4,3
7,115	10,667	5,381	7,237	8,341	10,050	10,982	4,35
6,543	10,597	5,381	6,669	7,476	10,050	10,806	4,4
6,543	10,913	6,980	5,852	7,332	10,262	10,736	4,45
6,472	10,527	10,783	4,467	7,152	10,544	10,595	4,5
6,579	11,158	11,742	3,153	7,656	11,038	10,595	4,55
6,114	10,142	12,737	4,006	7,837	11,109	10,630	4,6
7,294	9,757	12,950	4,858	7,656	11,038	10,806	4,65
7,581	9,406	12,417	8,196	7,729	11,179	10,947	4,7
7,366	9,021	12,488	10,043	8,305	11,038	11,017	4,75
6,865	9,687	10,356	10,078	7,981	10,615	10,876	4,8
6,937	8,986	10,214	10,540	8,377	10,333	10,665	4,85
6,257	10,352	10,250	11,996	8,449	10,050	10,560	4,9
7,688	10,808	9,255	13,097	8,701	9,980	10,454	4,95

6,472	11,438	8,260	12,813	7,548	10,086	10,454	5
6,937	10,948	8,082	11,996	8,197	10,192	10,454	5,05
7,509	10,422	7,798	10,185	7,476	10,297	10,595	5,1
6,865	9,231	7,087	9,190	7,476	10,615	10,771	5,15
6,829	10,107	7,264	9,190	7,837	10,262	10,912	5,2
6,794	10,317	7,975	9,333	7,729	10,192	10,947	5,25
6,650	10,037	8,508	7,912	7,981	10,474	10,912	5,3
6,722	9,406	9,041	7,806	8,053	10,439	10,876	5,35
7,187	9,687	8,117	7,521	8,233	10,721	10,736	5,4
7,652	10,702	7,371	7,379	7,332	10,474	10,665	5,45
7,545	10,632	7,620	7,344	8,089	10,721	10,525	5,5
6,972	11,053	7,513	6,847	8,161	10,580	10,595	5,55
6,400	11,123	6,945	7,308	7,332	10,544	10,630	5,6
6,972	10,562	6,340	7,806	6,719	10,262	10,701	5,65
7,259	11,298	6,873	6,598	7,296	9,980	10,806	5,7
6,328	11,263	7,087	7,699	7,692	9,415	10,806	5,75
7,151	11,193	7,407	6,563	7,476	9,204	10,876	5,8
6,650	11,263	7,869	4,787	8,485	9,168	10,736	5,85
6,794	9,967	8,224	4,574	8,521	9,486	10,701	5,9
7,080	9,687	9,041	3,366	7,945	9,733	10,595	5,95
7,080	9,547	9,361	3,366	8,593	9,627	10,560	6
7,008	9,722	10,072	3,047	8,738	9,556	10,454	6,05
6,937	9,582	9,930	3,757	8,485	9,909	10,595	6,1
6,722	10,212	9,788	4,929	10,071	9,627	10,701	6,15
6,901	10,387	10,712	5,888	9,494	9,345	10,912	6,2
6,758	10,808	10,356	7,060	9,927	9,098	10,947	6,25
7,867	11,088	9,112	7,557	9,891	8,921	10,947	6,3
7,294	11,928	8,082	7,948	9,891	8,886	10,947	6,35
7,759	12,034	7,584	8,729	10,107	8,780	10,982	6,4
7,581	11,473	8,082	9,190	9,819	8,992	10,912	6,45
7,223	11,438	8,686	8,587	9,891	9,204	10,876	6,5
6,937	11,508	8,864	7,735	10,467	9,415	10,771	6,55
7,008	11,368	8,579	6,882	9,278	9,698	10,701	6,6
6,829	12,594	7,869	6,989	9,747	9,909	10,806	6,65
6,364	13,260	8,402	6,207	9,026	9,592	10,912	6,7
6,758	12,279	10,001	6,598	8,413	9,274	10,912	6,75
6,937	11,578	9,006	5,994	8,377	9,063	10,912	6,8
7,294	11,018	8,615	4,680	8,017	9,063	10,876	6,85
7,008	10,177	9,041	3,970	8,161	9,380	10,947	6,9
7,867	8,986	8,082	5,036	8,377	8,992	11,087	6,95
7,867	8,461	8,508	7,486	8,089	8,992	11,017	7
7,616	9,441	8,864	9,404	7,729	9,133	10,912	7,05
7,867	10,177	10,178	8,977	7,512	9,592	10,806	7,1
7,652	11,228	9,645	7,735	7,945	10,050	10,736	7,15
7,867	10,948	9,397	6,314	8,665	9,980	10,806	7,2
7,938	11,088	9,077	7,948	8,846	10,086	10,806	7,25
8,046	13,119	8,437	7,237	7,729	10,121	10,736	7,3
7,223	12,384	7,087	6,207	8,557	9,803	10,665	7,35
7,080	11,438	6,838	6,989	7,620	10,121	10,630	7,4
6,794	10,527	6,696	7,557	7,837	10,262	10,525	7,45
7,080	10,878	5,807	7,237	7,512	10,227	10,314	7,5
7,187	11,403	4,599	6,776	8,701	10,156	10,173	7,55
7,294	12,279	6,483	7,202	8,521	10,015	10,173	7,6
7,151	11,578	8,935	6,989	8,954	9,909	10,068	7,65
7,509	10,492	9,112	5,533	8,882	10,121	9,997	7,7

7,867	10,387	8,864	5,036	8,233	10,686	9,892	7,75
7,652	10,002	9,539	4,716	7,837	11,038	9,822	7,8
7,294	10,737	10,072	5,036	7,837	10,721	9,892	7,85
8,260	10,002	10,143	6,918	8,125	10,544	9,962	7,9
6,937	10,282	10,392	6,349	7,945	10,791	10,068	7,95
6,794	11,368	10,036	5,213	7,981	10,686	10,208	8
6,937	11,543	9,432	5,391	8,269	9,768	10,314	8,05
6,722	11,788	9,006	5,994	8,846	9,380	10,314	8,1
7,473	11,368	7,513	6,847	7,224	10,227	10,349	8,15
7,080	11,123	7,016	7,131	7,080	10,121	10,314	8,2
6,937	10,247	5,736	7,308	7,080	9,698	10,314	8,25
6,829	10,212	6,340	6,669	7,152	10,050	10,244	8,3
6,901	10,808	7,335	7,415	6,936	10,509	10,314	8,35
6,865	9,967	7,300	8,587	7,404	11,603	10,525	8,4
7,044	10,247	8,650	7,699	8,197	11,391	10,630	8,45
6,937	11,263	9,041	7,486	8,774	10,968	10,806	8,5
6,722	10,527	8,473	6,918	8,449	9,909	10,876	8,55
6,436	10,702	9,361	6,847	8,918	9,133	10,876	8,6
6,722	10,948	9,468	6,847	8,449	8,604	10,876	8,65
6,650	11,088	9,752	6,492	9,530	8,604	10,701	8,7
7,437	11,298	8,793	6,456	8,665	8,745	10,595	8,75
7,724	10,878	9,041	7,521	7,404	8,710	10,665	8,8
7,366	10,247	9,255	6,776	7,801	8,710	10,701	8,85
7,581	9,722	9,112	8,835	8,846	8,851	10,806	8,9
6,937	10,247	8,899	8,054	7,296	8,992	10,876	8,95
7,259	9,371	9,219	8,445	7,512	9,345	10,982	9
6,758	10,387	9,823	9,510	7,801	9,698	10,982	9,05
6,686	11,123	9,717	10,007	7,404	9,627	10,947	9,1
6,865	11,018	9,788	8,729	6,936	9,662	10,912	9,15
7,402	11,858	9,574	7,415	7,729	9,345	10,806	9,2
6,543	11,928	9,219	7,308	8,089	9,556	10,630	9,25
6,543	11,228	7,940	7,806	7,801	9,380	10,525	9,3
6,686	10,527	7,335	7,628	8,449	9,168	10,454	9,35
6,615	10,667	7,904	8,125	9,855	8,992	10,454	9,4
6,901	10,527	9,859	7,379	8,485	9,063	10,454	9,45
6,436	10,282	9,432	7,628	8,485	9,486	10,454	9,5
6,722	10,667	10,356	7,131	8,233	9,733	10,454	9,55
6,293	9,722	10,463	5,817	8,846	9,698	10,560	9,6
6,543	9,336	10,143	5,284	9,278	9,662	10,630	9,65
6,400	9,652	9,717	5,675	9,350	9,239	10,665	9,7
6,650	9,967	10,072	5,710	7,116	9,945	10,736	9,75
6,615	9,827	9,752	6,705	8,089	10,403	10,665	9,8
6,150	10,737	9,148	9,119	8,810	10,403	10,595	9,85
6,722	10,667	8,544	9,333	8,197	9,556	10,525	9,9
6,650	10,808	8,082	12,174	6,719	9,556	10,560	9,95
7,151	10,843	7,442	12,316	7,260	9,803	10,560	10
6,722	11,578	7,300	11,108	8,341	9,556	10,525	10,05
6,543	11,648	6,447	10,860	8,738	9,168	10,560	10,1
6,937	11,333	6,376	10,647	8,846	9,204	10,595	10,15
7,151	11,088	6,802	8,409	8,341	9,274	10,595	10,2
6,436	9,897	7,975	8,338	7,512	9,627	10,525	10,25
6,579	9,757	8,650	6,634	7,656	9,627	10,419	10,3
6,829	10,457	9,752	6,669	6,972	9,627	10,314	10,35
6,686	10,527	10,143	5,994	7,512	9,486	10,173	10,4
6,865	11,858	11,209	5,604	9,530	9,980	10,244	10,45

6,507	10,878	12,204	5,000	6,828	10,050	10,314	10,5
6,221	11,228	11,920	5,036	7,116	9,556	10,349	10,55
7,080	10,282	10,356	5,320	8,521	9,345	10,384	10,6
7,008	11,263	9,397	5,639	8,521	9,274	10,384	10,65
6,507	10,878	9,788	5,107	8,269	9,204	10,314	10,7
6,650	11,368	8,331	10,291	8,125	9,733	10,244	10,75
6,865	10,808	8,331	9,404	8,161	9,274	10,244	10,8
6,364	10,808	7,798	10,185	9,170	8,745	10,173	10,85
6,364	10,317	8,508	9,155	8,774	8,957	10,173	10,9
6,507	11,018	8,899	8,054	9,566	8,851	10,314	10,95
7,437	11,788	10,925	6,634	10,612	9,274	10,454	11
7,652	12,069	10,889	6,207	10,251	9,415	10,630	11,05
7,402	11,053	10,676	6,030	10,395	9,274	10,841	11,1
6,937	10,247	9,681	5,781	9,747	9,415	11,017	11,15
6,364	10,142	8,722	5,568	9,638	9,380	11,052	11,2
6,615	10,387	8,082	9,297	10,143	9,168	10,982	11,25
7,115	10,282	7,229	7,521	11,476	9,133	11,017	11,3
6,686	11,893	7,869	10,114	9,891	9,168	11,087	11,35
6,865	11,508	7,549	9,190	8,557	8,886	11,158	11,4
7,008	11,998	7,975	8,906	8,233	8,921	11,158	11,45
7,044	11,648	8,046	8,658	8,882	8,886	11,228	11,5
7,008	10,667	7,726	8,445	8,738	8,921	11,298	11,55
6,794	9,897	7,513	9,262	8,377	8,957	11,298	11,6
7,008	9,021	8,082	8,764	8,629	9,027	11,439	11,65
7,080	8,986	8,224	7,770	9,422	9,310	11,579	11,7
6,794	10,177	9,112	8,019	7,692	9,168	11,720	11,75
6,579	9,476	9,752	6,634	7,837	9,556	11,755	11,8
6,114	9,967	10,854	6,563	7,224	10,050	11,755	11,85
6,615	10,667	9,645	7,237	8,161	10,192	11,720	11,9
6,364	11,438	8,508	7,628	8,449	9,909	11,650	11,95
6,722	11,403	8,295	9,759	7,224	9,874	11,544	12
6,293	11,228	7,442	9,865	5,818	9,345	11,544	12,05
7,151	11,928	8,366	10,469	6,864	8,992	11,439	12,1
7,044	11,123	6,376	9,936	7,692	9,168	11,509	12,15
6,794	10,072	6,696	9,439	8,233	9,345	11,263	12,2
6,972	9,967	6,625	8,551	9,638	9,627	11,087	12,25
6,794	10,282	7,371	8,977	8,233	9,415	10,947	12,3
6,722	9,827	7,798	7,131	7,224	9,451	11,017	12,35
6,543	10,632	8,864	5,852	7,224	9,733	11,263	12,4
6,579	11,193	9,432	6,811	10,179	10,156	11,439	12,45
6,722	10,142	9,183	5,142	9,891	9,768	11,439	12,5
7,581	9,547	7,940	6,349	7,224	9,380	10,841	12,55
6,579	9,056	8,011	5,533	6,936	8,957	10,947	12,6
6,579	10,282	8,650	5,355	7,296	9,415	10,912	12,65
7,151	10,422	8,864	7,273	7,008	8,886	11,017	12,7
7,974	10,702	9,468	6,669	6,719	8,921	11,017	12,75
7,473	10,002	8,579	6,563	7,044	9,239	10,806	12,8
7,223	9,476	7,513	6,527	7,116	9,345	11,087	12,85
6,722	10,107	7,798	5,888	7,008	9,627	11,017	12,9
6,579	9,617	8,011	6,314	7,080	10,474	11,298	12,95
6,185	9,582	7,442	5,746	6,936	10,333	11,298	13
6,400	11,333	7,833	6,776	6,683	10,474	11,439	13,05
7,581	11,508	8,828	6,563	6,792	11,638	11,615	13,1
7,294	11,928	8,970	7,060	7,584	11,885	11,615	13,15
6,972	11,158	7,940	6,776	8,161	11,850	11,474	13,2

7,115	10,632	6,269	6,918	7,981	11,603	11,404	13,25
7,688	9,652	6,945	7,450	8,089	11,074	11,369	13,3
7,223	10,002	7,513	7,841	11,260	10,756	11,333	13,35
7,509	10,212	8,686	7,699	9,350	10,403	11,228	13,4
7,044	10,387	10,001	7,273	10,467	9,627	11,158	13,45
7,294	11,578	10,854	7,877	11,621	9,486	11,052	13,5
6,865	12,279	9,539	6,314	10,756	9,768	10,982	13,55
6,722	11,543	9,219	6,776	9,783	9,909	11,017	13,6
6,579	11,263	9,219	9,546	10,143	9,909	11,158	13,65
6,937	11,578	8,437	10,043	10,395	9,909	11,333	13,7
7,509	11,718	7,407	9,901	9,314	10,050	11,439	13,75
7,044	10,667	6,980	9,119	9,422	10,086	11,369	13,8
7,652	10,632	8,260	8,019	8,593	9,874	11,298	13,85
7,151	9,266	9,574	8,125	8,017	9,627	11,193	13,9
7,044	9,617	8,544	8,445	7,584	9,274	11,017	13,95
7,509	9,757	8,082	6,847	8,017	9,380	10,841	14
6,937	10,107	8,260	5,639	7,080	9,556	10,736	14,05
6,722	10,387	8,899	5,888	7,224	9,627	10,771	14,1
6,865	10,667	9,148	5,888	7,332	9,415	10,841	14,15
7,223	10,878	8,331	5,675	7,656	8,957	10,912	14,2
7,688	11,368	8,011	5,888	7,404	8,533	10,947	14,25
7,008	11,928	8,935	6,101	7,476	8,745	11,158	14,3
6,650	11,648	7,229	6,918	8,377	9,133	11,158	14,35
6,758	11,648	7,442	5,959	8,990	9,168	11,158	14,4
6,543	11,298	8,508	6,776	8,810	9,204	11,087	14,45
6,257	10,843	9,752	5,852	8,990	9,415	10,912	14,5
8,117	12,629	9,965	3,438	8,593	9,662	10,841	14,55
7,437	11,928	10,854	4,148	9,098	9,733	10,806	14,6
7,294	10,177	10,250	4,254	9,242	9,627	10,876	14,65
6,436	9,091	10,250	4,680	8,305	9,556	10,912	14,7
6,293	8,215	9,788	5,604	8,305	9,451	11,017	14,75
6,758	8,811	9,503	6,882	8,882	9,380	11,052	14,8
7,223	9,231	9,361	8,054	9,386	9,415	11,052	14,85
7,223	9,687	9,148	9,475	9,026	9,521	11,087	14,9
7,259	10,352	9,539	9,865	8,846	9,698	11,017	14,95
7,330	10,808	8,224	9,475	8,377	10,015	10,947	15
7,330	11,508	7,869	7,841	8,161	10,544	10,912	15,05
7,581	11,928	8,366	8,551	8,485	10,474	10,982	15,1
7,652	10,667	7,051	8,125	8,593	10,721	10,876	15,15
7,187	10,737	6,483	7,699	8,233	10,580	10,912	15,2
7,008	10,002	5,985	7,344	8,161	10,227	10,912	15,25
6,758	9,547	6,021	6,492	8,413	9,980	10,982	15,3
7,294	10,387	8,082	6,492	8,341	9,980	10,982	15,35
7,151	11,088	8,970	3,651	8,449	9,768	10,947	15,4
6,829	10,352	9,468	3,189	8,341	9,556	10,876	15,45
7,581	11,228	9,503	4,148	7,296	10,333	10,947	15,5
7,867	11,193	9,574	4,077	7,620	10,756	10,982	15,55
7,187	10,772	8,864	4,822	7,873	11,179	10,982	15,6
6,829	10,562	8,437	6,314	6,756	10,827	10,947	15,65
6,972	10,948	8,188	6,207	8,738	11,038	10,876	15,7
6,579	11,088	6,980	6,918	8,413	11,003	10,806	15,75
6,686	11,403	8,615	7,912	8,738	11,250	10,806	15,8
6,114	11,893	8,295	7,486	9,098	11,109	10,841	15,85
7,044	11,018	8,295	6,065	10,539	10,827	10,841	15,9
7,366	11,648	7,833	7,166	10,467	10,227	10,806	15,95

7,330	10,527	8,437	7,699	8,918	9,945	10,876	16
7,509	10,527	7,940	7,699	8,629	9,662	10,912	16,05
7,151	9,932	9,148	7,131	9,855	9,310	10,876	16,1
7,473	8,601	9,432	7,060	10,900	9,063	10,841	16,15
6,829	8,846	8,935	5,497	12,269	8,992	10,876	16,2
6,722	8,426	9,183	4,680	8,918	8,992	10,876	16,25
6,865	8,566	9,503	6,136	8,701	8,992	10,947	16,3
7,008	9,967	9,930	6,918	7,909	9,168	10,982	16,35
7,223	11,333	10,498	7,060	7,008	9,239	11,052	16,4
7,366	11,508	9,859	7,699	5,963	9,310	11,017	16,45
7,581	11,088	9,468	7,237	7,801	9,204	11,017	16,5
7,581	11,648	8,899	8,480	7,909	9,204	10,947	16,55
7,151	10,527	7,051	8,729	8,629	9,345	10,912	16,6
7,223	10,387	6,234	7,948	10,035	9,133	10,982	16,65
6,293	10,072	6,802	8,835	8,665	8,639	11,052	16,7
6,650	10,808	6,945	7,735	7,656	9,168	11,122	16,75
6,615	10,878	7,371	7,663	8,341	8,957	11,158	16,8
6,794	11,858	7,975	7,806	8,377	9,168	11,122	16,85
6,722	12,979	7,655	7,450	7,945	9,415	11,087	16,9
6,865	12,209	6,873	5,284	7,945	9,239	11,158	16,95
7,223	11,858	7,087	6,136	7,801	9,239	11,298	17
6,937	10,247	8,650	5,817	7,584	9,133	11,369	17,05
7,223	10,107	8,899	5,852	6,647	8,957	11,369	17,1
7,724	10,387	9,077	5,249	6,359	8,992	11,087	17,15
7,473	10,808	9,397	3,935	7,692	9,098	10,982	17,2
6,937	8,811	10,640	3,864	7,692	9,239	10,982	17,25
7,080	9,582	11,742	4,467	8,846	9,098	11,087	17,3
6,650	10,142	11,031	6,492	7,765	8,851	11,158	17,35
7,581	10,913	10,925	6,669	7,224	9,098	11,158	17,4
7,867	10,948	10,392	6,030	7,080	9,768	11,158	17,45
7,545	10,597	9,574	7,344	8,053	9,803	11,193	17,5
7,402	9,722	8,864	9,084	8,017	9,980	11,158	17,55
6,865	8,776	8,828	10,114	9,170	9,063	11,158	17,6
6,937	9,196	7,549	11,392	8,593	8,569	10,947	17,65
7,115	10,422	7,016	10,682	12,702	7,898	10,876	17,7
7,294	11,088	7,513	10,327	9,783	8,428	10,876	17,75
6,972	13,119	7,122	10,327	9,458	9,063	11,017	17,8
7,652	12,769	6,376	9,688	7,692	8,639	10,982	17,85
8,081	12,979	5,630	9,723	8,053	9,627	10,876	17,9
7,330	12,034	5,772	9,688	7,729	9,204	10,771	17,95
6,722	11,228	5,452	6,989	7,224	9,768	10,806	18
7,294	10,737	4,812	6,634	7,729	11,391	10,806	18,05
7,652	10,352	5,488	6,918	6,936	10,615	10,876	18,1
7,223	9,476	6,980	5,639	7,620	10,192	10,876	18,15
7,509	10,282	10,001	4,254	8,665	9,486	10,665	18,2
7,867	10,632	10,250	4,112	6,575	9,204	10,630	18,25
8,332	10,948	10,036	2,159	6,575	9,345	10,665	18,3
8,224	11,788	9,077	1,662	7,512	9,768	10,560	18,35
7,437	12,209	8,437	2,337	7,873	10,121	10,525	18,4
7,151	11,858	8,935	5,888	7,368	10,121	10,595	18,45
7,008	11,403	8,153	5,426	7,801	10,050	10,701	18,5
6,794	11,263	7,620	5,462	7,765	10,297	10,771	18,55
8,260	12,139	8,011	4,680	7,981	10,297	10,771	18,6
7,795	12,699	8,828	5,462	8,665	10,050	10,806	18,65
7,581	12,559	10,356	5,284	8,377	9,662	10,665	18,7

7,938	10,948	11,245	6,492	9,711	9,380	10,525	18,75
8,010	11,123	11,173	5,320	8,882	9,345	10,384	18,8
8,439	9,792	10,001	5,852	9,170	9,768	10,279	18,85
8,010	10,247	10,960	5,888	9,242	10,192	9,962	18,9
7,688	10,247	10,214	6,136	9,170	10,368	10,138	18,95
7,294	8,916	10,250	8,125	9,422	10,368	10,384	19
7,402	9,371	10,321	9,155	8,738	10,262	10,665	19,05
7,688	9,932	10,747	8,480	8,305	9,839	10,876	19,1
7,509	12,419	9,965	8,622	8,738	9,627	10,876	19,15
8,260	13,260	9,432	8,232	9,242	9,592	10,841	19,2
8,117	12,139	8,437	9,262	10,359	9,451	10,701	19,25
7,831	11,718	8,011	9,759	10,107	9,204	10,630	19,3
7,652	10,808	7,513	10,398	9,819	9,168	10,595	19,35
7,366	10,072	5,878	10,291	11,044	9,451	10,595	19,4
7,473	10,597	5,630	8,622	9,675	9,592	10,665	19,45
7,366	9,967	7,158	8,942	9,566	9,662	10,806	19,5
7,581	9,617	9,574	7,735	8,377	9,556	10,982	19,55
7,294	9,967	11,529	7,024	8,521	9,274	11,052	19,6
7,187	10,317	10,427	7,131	7,656	9,451	11,087	19,65
7,115	9,967	9,645	5,391	7,656	9,168	10,947	19,7
7,688	10,212	9,681	6,776	8,125	9,239	10,876	19,75
7,294	10,948	9,965	7,486	7,981	9,380	10,771	19,8
7,724	12,104	9,539	6,989	7,945	9,698	10,771	19,85
7,115	11,648	9,219	7,699	7,440	9,945	10,771	19,9
7,795	11,578	7,975	7,628	7,873	9,945	10,876	19,95
8,296	10,948	7,335	8,125	7,332	10,121	11,017	20
8,761	10,317	6,696	7,450	7,404	9,874	11,158	20,05
7,831	9,266	6,802	7,344	6,611	9,556	11,263	20,1
7,867	10,282	7,158	6,882	6,359	9,239	11,369	20,15
7,938	10,072	6,980	7,344	5,927	9,415	11,439	20,2
7,545	10,177	7,584	7,450	7,152	10,050	11,439	20,25
7,867	11,158	7,513	5,249	6,251	10,227	11,509	20,3
6,543	12,489	10,640	5,462	6,179	10,192	11,474	20,35
7,151	14,100	10,321	4,929	5,350	9,980	11,439	20,4
7,831	13,260	8,935	5,355	7,512	9,909	11,544	20,45
7,437	12,209	9,006	6,172	8,089	10,015	11,685	20,5
8,511	11,438	8,331	7,415	8,918	10,015	11,896	20,55
7,652	11,368	7,158	5,852	8,521	9,945	11,931	20,6
7,831	11,053	4,848	6,136	9,566	10,121	11,896	20,65
7,867	10,948	5,950	8,374	8,269	10,156	11,931	20,7
7,151	10,317	10,178	9,155	8,305	10,192	11,826	20,75
7,545	9,687	10,996	7,663	6,936	10,580	11,439	20,8
6,722	9,757	12,204	7,024	7,224	10,333	11,087	20,85
6,865	9,687	10,996	7,663	8,089	10,333	10,841	20,9
7,974	10,037	10,107	7,486	8,089	10,474	10,771	20,95
7,294	12,629	10,072	6,776	8,593	10,368	10,771	21
7,187	11,088	10,427	6,172	8,233	10,297	10,454	21,05
8,189	10,702	10,889	8,480	9,098	9,980	10,279	21,1
7,652	10,948	9,468	7,948	9,350	9,698	10,595	21,15
7,795	10,808	8,757	10,398	9,422	9,521	10,630	21,2
7,151	11,508	8,188	10,505	9,422	9,451	10,947	21,25
7,652	11,263	7,229	10,540	8,918	9,451	11,017	21,3
7,581	10,948	7,122	10,043	9,314	9,415	11,087	21,35
7,473	12,139	6,447	9,546	8,665	9,380	11,158	21,4
7,795	11,648	7,193	7,806	8,918	9,486	11,509	21,45

7,867	11,928	7,869	7,486	8,125	9,627	11,474	21,5
7,330	11,928	8,864	6,811	8,233	9,521	11,122	21,55
7,223	11,578	9,148	6,278	7,729	9,627	11,158	21,6
6,865	11,018	10,072	5,852	7,765	9,909	11,087	21,65
6,865	10,177	9,823	5,284	8,305	9,592	11,017	21,7
7,724	10,948	8,864	6,278	7,801	9,521	10,912	21,75
7,581	11,228	8,082	6,030	7,656	9,380	10,806	21,8
7,616	10,352	6,802	7,592	7,548	9,168	10,876	21,85
7,902	9,827	8,864	6,918	7,152	9,168	10,806	21,9
8,403	9,757	10,072	6,598	8,377	9,451	10,876	21,95
7,223	9,897	10,463	6,776	7,620	9,698	10,947	22
7,366	9,476	10,569	6,669	7,837	9,063	10,947	22,05
7,008	9,547	9,503	6,420	8,233	9,627	10,912	22,1
6,865	10,878	8,970	6,563	7,801	9,451	10,912	22,15
7,080	11,788	8,828	8,622	7,548	9,627	10,876	22,2
7,545	13,049	7,726	9,581	8,017	9,733	10,876	22,25
7,151	15,011	8,366	9,262	7,945	9,556	10,982	22,3
6,436	13,119	7,407	9,119	8,449	9,451	11,087	22,35
6,615	11,963	6,838	7,202	7,945	9,733	11,158	22,4
6,972	11,403	5,665	9,048	7,692	9,627	10,806	22,45
7,187	11,928	4,528	8,764	7,801	9,698	10,912	22,5
7,080	11,543	8,615	8,161	7,801	9,733	10,982	22,55
7,581	10,562	10,996	6,918	7,044	9,698	11,017	22,6
7,259	9,967	12,062	5,639	7,945	9,627	11,052	22,65
7,008	10,247	13,057	4,645	7,224	9,556	11,087	22,7
7,509	9,547	12,844	3,438	7,188	9,451	11,017	22,75
7,044	10,702	11,742	4,077	7,224	9,133	11,087	22,8
7,437	9,266	10,747	7,344	7,512	8,498	11,087	22,85
7,259	8,356	10,925	8,729	7,873	8,745	11,017	22,9
6,794	9,897	10,889	10,647	7,512	8,675	11,017	22,95
6,972	10,457	10,072	10,362	6,828	9,204	10,947	23
6,829	11,368	9,930	11,996	7,620	9,310	10,947	23,05
7,151	11,368	8,117	13,772	6,395	9,345	10,982	23,1
7,652	11,088	7,833	12,955	7,801	9,098	10,912	23,15
7,938	11,788	7,726	10,291	7,440	9,063	10,876	23,2
8,081	11,193	7,513	11,073	8,089	8,851	10,912	23,25
8,296	10,667	5,914	11,463	6,900	8,639	10,876	23,3
6,794	11,508	5,878	9,190	7,188	8,639	10,876	23,35
7,652	11,158	6,056	9,439	7,801	8,745	10,876	23,4
7,187	10,913	5,452	7,557	7,729	8,921	10,876	23,45
7,259	11,893	6,305	8,374	8,017	9,133	10,841	23,5
7,259	11,788	7,051	7,273	7,620	9,874	10,876	23,55
7,115	11,648	7,407	6,030	8,774	9,874	10,841	23,6
7,652	12,279	7,229	5,675	8,593	9,839	10,841	23,65
6,829	13,400	7,762	6,598	7,584	9,839	10,876	23,7
7,115	11,508	8,650	5,497	6,864	9,839	10,876	23,75
7,259	11,228	9,255	5,142	7,440	9,803	10,876	23,8
7,294	9,862	10,392	5,249	6,251	9,662	10,947	23,85
7,115	9,897	10,925	5,817	7,512	9,627	11,052	23,9
7,759	9,967	9,574	6,669	7,656	9,380	11,158	23,95
7,294	10,282	8,757	5,497	7,008	8,992	11,158	24
7,115	9,476	10,285	7,060	6,575	8,780	11,158	24,05
6,937	10,387	9,397	8,587	7,404	8,886	10,912	24,1
7,330	10,282	8,828	6,847	7,368	9,204	10,701	24,15
7,366	9,547	8,473	7,912	7,116	9,521	10,595	24,2

7,115	10,667	7,513	6,207	7,440	9,768	10,701	24,25
6,472	11,543	7,584	8,622	11,116	9,733	10,876	24,3
6,579	12,489	6,092	8,658	11,909	10,086	11,017	24,35
6,293	12,804	6,305	6,776	9,566	10,192	11,122	24,4
6,758	13,470	5,168	5,994	10,323	9,698	11,193	24,45
7,759	12,489	5,594	6,101	9,819	9,627	11,228	24,5
6,901	11,998	7,904	5,320	10,107	9,345	11,158	24,55
7,151	10,843	10,001	5,071	10,467	9,839	10,947	24,6
7,151	9,967	7,158	4,041	10,756	9,310	10,876	24,65
7,509	9,266	3,462	2,514	6,828	9,345	10,736	24,7
8,046	9,196	11,493	2,621	8,810	9,627	10,701	24,75
7,473	9,266	13,626	5,142	8,269	9,415	10,665	24,8
7,187	7,970	13,910	8,693	9,566	9,451	10,701	24,85
6,901	8,145	12,773	6,065	8,738	9,274	10,806	24,9
6,436	9,056	10,356	1,378	8,485	9,063	10,876	24,95
5,828	10,457	9,717	5,994	9,134	8,992	10,841	25
6,794	11,648	8,935	7,912	8,377	8,498	10,947	25,05
6,507	13,155	8,615	8,906	7,837	9,168	10,841	25,1
7,366	12,699	8,935	10,256	7,801	8,886	10,630	25,15
6,758	12,489	8,686	9,226	7,945	8,957	10,454	25,2
6,865	11,298	7,229	9,581	8,918	9,204	10,349	25,25
7,187	9,827	6,660	8,516	7,729	8,710	10,419	25,3
7,759	9,897	7,726	6,705	8,017	8,428	10,525	25,35
7,581	9,897	8,828	5,284	10,864	8,992	10,665	25,4
7,330	10,072	9,503	5,639	7,512	8,604	10,806	25,45
7,008	9,231	10,605	5,462	7,837	9,063	10,876	25,5
6,150	9,336	10,321	5,817	7,260	8,992	10,806	25,55
6,007	10,247	9,255	5,959	7,080	9,274	11,017	25,6
6,650	10,142	7,762	6,065	6,936	9,204	11,052	25,65
7,080	12,209	8,011	7,060	7,512	9,415	11,017	25,7
7,652	11,648	8,295	5,994	7,981	9,768	10,876	25,75
7,688	11,193	8,686	7,344	8,161	9,733	10,806	25,8
7,616	11,088	8,295	8,835	8,738	9,874	10,876	25,85
7,187	9,652	7,371	9,048	8,233	9,521	10,912	25,9
7,008	9,126	7,051	7,699	8,305	9,909	10,912	25,95
6,722	10,737	7,087	7,699	7,801	10,156	11,158	26
6,615	10,317	6,909	6,634	7,404	10,121	11,193	26,05
7,294	10,667	8,117	5,284	8,305	9,945	11,263	26,1
7,688	11,788	8,544	5,355	8,738	9,768	11,228	26,15
7,330	11,788	8,437	5,071	9,098	9,874	11,228	26,2
7,366	11,823	7,762	5,320	9,350	10,297	11,228	26,25
7,294	11,123	7,762	6,527	9,566	10,156	11,158	26,3
7,259	10,037	5,985	6,527	10,576	10,227	11,087	26,35
6,650	8,321	6,483	6,207	12,702	10,262	11,158	26,4
7,437	9,827	7,549	6,207	8,269	10,086	11,158	26,45
6,579	9,266	8,828	6,172	8,846	10,156	11,158	26,5
6,722	9,827	10,143	5,320	9,098	9,698	11,369	26,55
7,330	9,827	12,488	4,148	9,026	9,733	11,298	26,6
7,902	9,547	12,346	4,183	8,341	9,662	11,228	26,65
7,616	10,282	10,605	4,006	9,170	9,768	11,158	26,7
7,330	8,426	9,930	6,847	10,251	9,874	11,052	26,75
7,974	8,531	9,859	6,669	9,530	9,874	11,017	26,8
7,724	9,897	9,077	9,155	9,819	9,909	11,017	26,85
7,330	9,827	8,082	9,546	9,675	10,227	11,158	26,9
6,579	9,301	7,940	9,333	9,098	9,909	11,158	26,95

6,507	10,808	7,264	9,155	9,242	9,768	11,193	27
6,543	9,547	6,731	8,445	8,954	9,945	11,158	27,05
6,615	9,827	6,518	8,729	8,882	10,192	11,052	27,1
6,829	11,298	6,909	8,267	8,774	10,297	11,017	27,15
6,865	13,435	7,122	9,119	8,918	10,121	10,982	27,2
7,473	12,944	8,046	7,699	8,918	10,192	10,982	27,25
7,652	11,578	7,513	7,308	8,593	11,391	11,017	27,3
7,080	9,547	7,158	5,994	9,062	10,897	10,982	27,35
7,509	9,582	8,011	6,492	8,485	10,897	10,947	27,4
6,650	9,126	6,945	5,355	8,161	11,321	10,912	27,45
6,436	9,547	8,366	4,965	9,314	11,462	10,982	27,5
6,829	10,527	8,935	4,148	9,098	11,603	11,017	27,55
6,829	9,652	10,036	4,645	9,530	11,603	10,982	27,6
7,294	9,792	12,204	3,473	7,008	11,321	10,947	27,65
6,758	9,827	12,204	3,757	7,008	10,932	10,665	27,7
7,187	8,286	11,351	5,426	7,080	10,615	10,490	27,75
7,294	9,266	11,173	7,912	7,296	10,439	10,771	27,8
7,437	9,547	10,996	8,161	7,152	10,368	10,736	27,85
6,650	9,862	10,463	7,806	6,143	10,227	10,736	27,9
6,722	8,461	8,686	11,321	5,674	10,439	10,701	27,95
6,364	8,040	8,295	9,333	6,611	10,544	10,595	28
5,863	10,317	8,295	13,310	8,413	10,615	10,595	28,05
6,865	12,874	6,518	12,103	7,945	10,615	10,595	28,1
6,865	13,365	6,767	11,960	7,981	10,897	10,595	28,15
6,543	11,648	6,731	10,256	7,152	10,474	10,525	28,2
7,437	10,808	5,807	11,534	4,557	10,156	10,384	28,25
7,008	9,617	3,711	9,759	4,701	10,015	10,525	28,3
6,972	9,862	6,056	9,901	6,756	10,156	10,630	28,35
6,543	10,387	3,284	8,693	7,368	10,086	10,771	28,4
6,829	10,177	6,660	7,060	8,125	10,050	10,701	28,45
7,330	10,072	7,798	5,710	8,521	9,839	10,454	28,5
6,937	10,667	9,290	5,639	9,026	9,662	10,525	28,55
7,437	10,422	9,361	4,787	8,629	9,627	10,630	28,6
6,686	10,948	7,798	2,727	8,089	9,486	10,665	28,65
6,972	10,983	7,620	5,000	8,125	9,168	10,876	28,7
6,579	9,547	6,945	4,965	7,945	9,768	10,947	28,75
6,937	11,718	8,260	5,355	6,936	9,803	10,982	28,8
7,151	13,960	7,513	9,190	8,665	10,121	11,017	28,85
7,223	13,330	7,158	7,131	7,873	10,192	10,947	28,9
6,615	12,139	6,696	5,710	8,665	11,038	10,912	28,95
7,223	11,193	6,092	3,935	8,161	11,038	10,841	29
6,937	11,018	5,026	6,136	8,305	11,250	10,876	29,05
7,080	10,667	4,955	5,000	8,233	11,250	10,736	29,1
7,545	10,843	8,153	5,746	8,341	10,897	10,771	29,15
7,581	10,422	11,209	5,852	8,810	10,474	10,876	29,2
7,294	9,547	11,778	5,462	8,954	10,192	10,982	29,25
7,294	9,722	10,498	3,544	8,882	10,297	10,947	29,3
7,044	9,476	9,077	8,409	8,665	10,439	10,912	29,35
7,151	8,846	9,539	6,634	8,197	10,474	10,841	29,4
7,294	8,951	9,645	7,877	8,341	10,686	10,736	29,45
6,937	8,881	9,006	8,906	8,738	10,862	10,665	29,5
6,901	10,387	8,864	8,196	8,665	10,862	10,560	29,55
7,151	10,667	7,762	8,693	8,341	10,615	10,595	29,6
7,259	10,142	7,442	9,475	8,918	10,686	10,665	29,65
7,044	13,260	5,772	8,764	9,819	10,544	10,876	29,7

6,758	12,314	4,848	7,770	8,665	10,192	10,982	29,75
6,650	11,193	3,391	8,374	8,990	10,156	11,087	29,8
6,293	12,069	3,391	8,019	8,305	10,333	11,087	29,85
6,257	11,228	2,040	7,770	8,774	10,827	11,122	29,9
7,259	10,562	2,183	7,060	8,846	11,356	10,912	29,95
7,080	10,632	10,001	5,497	7,801	11,074	11,017	30
7,187	10,352	11,102	5,497	7,981	11,250	10,841	30,05
7,795	10,072	11,635	4,822	8,377	11,144	10,736	30,1
7,402	9,126	11,778	3,402	8,593	10,932	10,736	30,15
6,829	10,212	11,209	3,935	7,548	10,544	10,876	30,2
6,579	9,161	9,361	5,213	7,837	10,791	10,947	30,25
6,722	10,492	8,260	7,237	8,377	10,403	10,947	30,3
6,400	10,878	8,757	8,019	8,269	10,474	10,947	30,35
6,794	10,527	7,478	7,628	8,377	10,650	11,017	30,4
6,436	10,948	7,087	8,232	7,873	10,791	11,052	30,45
7,080	11,578	7,940	7,379	8,017	10,686	11,017	30,5
7,151	11,333	6,696	6,776	7,476	10,474	11,052	30,55
7,080	10,702	6,163	6,918	7,116	10,474	11,052	30,6
6,507	9,827	5,736	6,030	8,485	10,580	11,017	30,65
6,257	9,266	6,660	5,000	8,197	10,509	11,017	30,7
7,008	9,441	5,878	6,278	9,026	10,509	11,017	30,75
7,437	9,021	6,945	6,101	9,098	10,474	11,017	30,8
7,831	9,196	8,082	5,568	8,701	10,474	11,087	30,85
8,046	9,827	8,970	6,456	8,233	10,509	11,158	30,9
7,008	10,317	13,768	5,355	7,765	10,686	11,263	30,95
7,437	9,126	11,351	8,232	7,476	10,827	11,298	31
7,044	9,266	10,854	7,166	7,512	11,003	11,193	31,05
7,509	9,652	9,503	3,970	8,125	11,356	11,087	31,1
7,437	10,527	8,722	8,622	8,557	11,462	11,052	31,15
7,080	10,002	8,046	9,190	9,026	11,321	11,017	31,2
6,758	9,967	7,478	12,245	9,422	11,144	11,017	31,25
6,042	9,511	7,371	11,676	9,566	10,897	11,122	31,3
6,293	8,916	6,447	10,185	9,566	10,897	11,087	31,35
6,221	11,228	5,701	8,871	8,701	10,756	11,052	31,4
6,937	12,209	6,909	8,622	8,701	10,580	10,982	31,45
7,366	12,069	6,092	9,262	8,882	10,227	11,052	31,5
7,151	10,913	6,305	7,699	8,521	10,192	11,158	31,55
7,223	9,932	6,554	6,776	9,458	9,980	11,158	31,6
7,509	10,527	7,158	6,776	9,170	9,698	11,158	31,65
8,153	9,652	7,442	5,994	9,098	9,662	11,122	31,7
7,581	9,161	7,051	5,639	9,350	9,415	11,087	31,75
7,724	9,687	7,798	5,426	9,386	8,992	11,087	31,8
7,724	8,356	12,346	3,864	8,810	9,486	11,158	31,85
6,901	10,247	14,834	5,142	9,242	10,721	11,158	31,9
7,294	10,597	13,803	3,757	9,170	10,827	11,228	31,95
6,686	10,352	10,747	1,804	9,242	10,333	11,298	32
6,507	11,508	9,930	4,467	8,521	9,027	11,298	32,05
6,472	10,457	9,432	9,048	7,044	9,310	11,333	32,1
7,330	9,827	8,722	9,190	8,774	9,310	11,298	32,15
7,402	10,002	7,798	8,054	7,512	9,627	11,228	32,2
7,044	8,531	5,843	8,196	8,810	9,168	11,228	32,25
7,473	8,566	6,483	8,374	8,269	8,569	11,263	32,3
7,366	8,986	6,696	8,338	7,656	9,662	11,298	32,35
7,437	10,142	7,513	7,344	7,584	9,415	11,228	32,4
7,366	10,527	7,584	8,658	7,008	9,627	11,158	32,45

6,650	10,247	6,660	7,948	8,449	9,980	11,158	32,5
6,937	10,282	5,985	7,166	9,494	9,909	11,052	32,55
7,008	11,123	5,345	7,273	9,242	9,733	11,052	32,6
6,507	12,279	6,447	7,060	6,467	9,627	11,158	32,65
6,543	12,279	5,878	6,634	5,891	10,262	11,369	32,7
6,722	11,788	6,021	5,249	7,404	9,874	11,579	32,75
7,008	11,123	6,127	4,503	8,305	9,627	11,509	32,8
7,151	9,827	5,381	4,574	7,584	9,310	11,579	32,85
6,400	9,722	7,655	4,645	7,008	9,310	11,579	32,9
7,115	8,951	8,650	4,787	7,260	9,310	11,509	32,95
6,829	8,286	8,082	5,746	5,566	8,921	11,439	33
6,865	8,321	10,605	4,467	5,638	9,204	11,333	33,05
7,151	7,725	11,422	6,634	5,999	9,380	11,298	33,1
6,650	9,827	10,854	6,065	5,458	9,380	11,298	33,15
7,294	10,387	9,788	6,456	7,116	9,310	11,298	33,2
7,437	10,632	8,935	6,314	9,278	9,098	11,509	33,25
7,294	9,827	7,655	5,639	9,783	9,027	11,650	33,3
7,581	10,527	9,077	7,912	10,251	9,274	11,615	33,35
7,187	9,932	8,082	13,665	9,170	9,380	11,579	33,4
6,758	9,476	7,655	12,032	11,008	9,592	11,439	33,45
6,758	10,037	7,442	11,676	8,882	9,733	11,298	33,5
6,436	9,476	7,513	10,469	7,188	9,592	11,228	33,55
6,150	10,737	6,340	9,723	6,287	10,121	11,228	33,6
5,971	10,843	6,802	9,830	6,647	10,192	11,158	33,65
6,579	9,897	6,518	7,344	5,891	10,050	11,193	33,7
6,543	10,037	6,447	7,131	6,359	9,733	11,298	33,75
6,794	9,406	7,122	4,716	6,647	9,768	11,439	33,8
6,901	9,266	8,473	5,710	7,368	9,909	11,509	33,85
6,507	8,986	8,970	3,828	7,945	10,439	11,439	33,9
7,115	9,196	8,650	4,254	8,161	10,297	11,298	33,95
7,080	10,212	8,864	6,527	8,629	10,121	11,193	34
7,187	9,547	7,798	9,510	9,026	10,121	11,087	34,05
6,114	9,687	7,229	7,486	9,458	10,015	11,122	34,1
6,436	10,808	6,589	8,125	9,819	9,980	11,052	34,15
6,114	11,123	6,660	7,237	9,278	10,050	11,017	34,2
5,863	11,088	5,843	6,492	9,098	9,768	11,193	34,25
6,364	10,107	6,127	5,533	9,242	9,839	11,298	34,3
6,007	10,667	4,244	7,273	8,665	9,733	11,228	34,35
6,937	11,018	6,483	6,385	8,701	9,592	10,982	34,4
6,436	10,878	7,016	6,207	8,089	9,451	10,912	34,45
7,223	9,476	7,904	5,107	8,521	9,556	10,806	34,5
5,935	8,916	8,757	3,224	7,945	9,556	10,665	34,55
6,185	8,776	10,214	4,929	8,377	9,698	10,525	34,6
6,472	9,967	11,458	4,361	8,701	9,733	10,454	34,65
6,221	9,722	11,351	4,254	9,891	9,592	10,384	34,7
6,579	9,266	10,427	7,628	9,711	9,627	10,384	34,75
6,257	9,196	9,219	6,527	8,846	9,980	10,384	34,8
6,758	10,107	9,432	6,207	8,521	9,909	10,454	34,85
6,472	9,161	9,397	7,273	8,377	10,192	10,560	34,9
7,402	8,881	7,798	10,469	8,197	10,544	10,560	34,95
6,328	9,266	7,513	11,605	7,224	10,615	10,595	35
5,935	10,843	6,696	12,245	8,449	10,262	10,595	35,05
6,436	11,508	6,305	12,742	8,161	9,980	10,454	35,1
6,364	11,788	5,452	12,032	9,602	9,627	10,244	35,15
6,257	10,948	4,812	9,794	8,738	9,486	10,173	35,2

6,185	10,177	4,422	8,835	8,954	9,733	10,103	35,25
6,007	8,811	3,640	8,161	8,197	9,768	10,103	35,3
5,613	8,846	5,736	8,587	8,377	9,874	10,208	35,35
6,579	9,126	5,488	6,492	7,837	9,909	10,419	35,4
6,221	9,406	9,326	6,136	7,404	9,980	10,595	35,45
6,364	9,827	10,889	4,183	7,945	9,909	10,736	35,5
6,150	10,457	9,361	2,869	7,008	9,874	10,876	35,55
6,114	9,967	8,544	4,396	6,431	9,909	10,876	35,6
5,863	10,107	7,584	6,634	6,395	10,050	10,736	35,65
5,935	10,878	7,264	6,527	6,719	10,015	10,525	35,7
6,722	11,088	6,802	6,776	6,143	9,980	10,454	35,75
6,901	11,088	6,731	6,492	6,611	9,909	10,314	35,8
6,829	10,702	6,731	5,923	6,756	9,909	10,279	35,85
6,686	10,037	7,158	5,036	6,936	9,874	10,314	35,9
6,007	9,476	7,193	3,722	6,071	9,945	10,560	35,95
6,078	8,846	8,153	3,793	6,359	10,121	10,736	36
6,328	9,196	7,798	4,148	5,963	10,439	10,912	36,05
5,971	9,687	9,183	3,544	7,332	10,650	11,017	36,1
5,971	10,177	9,041	2,123	8,521	10,932	11,052	36,15
6,829	9,476	8,686	1,804	8,954	11,003	10,947	36,2
6,901	8,846	8,366	7,628	8,629	11,003	10,912	36,25
6,829	8,286	8,686	7,841	9,242	10,791	10,876	36,3
7,294	8,741	8,473	6,740	8,305	10,509	10,806	36,35
6,686	9,196	9,077	9,048	9,242	10,121	10,806	36,4
6,400	10,142	8,508	8,871	9,675	9,839	10,841	36,45
7,008	11,823	7,869	8,835	9,314	9,556	10,982	36,5
6,615	11,928	7,300	9,084	8,377	9,380	10,982	36,55
6,364	11,578	6,625	9,439	8,341	9,345	10,876	36,6
6,114	10,667	4,883	8,764	8,377	9,345	10,876	36,65
6,114	12,139	4,457	8,161	7,945	9,556	10,947	36,7
6,543	11,018	4,493	8,019	7,837	9,768	10,912	36,75
6,257	10,387	6,873	6,918	8,557	9,839	10,841	36,8
6,543	9,126	8,295	6,172	8,089	10,050	10,876	36,85
6,114	9,547	8,722	5,284	8,774	10,192	10,912	36,9
6,042	7,935	9,077	4,254	8,738	10,297	10,947	36,95
6,150	9,161	8,437	3,651	8,954	10,156	10,982	37
6,686	10,808	10,818	4,467	7,801	10,050	10,876	37,05
7,151	10,107	12,488	6,776	8,413	9,909	10,665	37,1
7,115	9,441	11,564	5,284	7,945	10,156	10,525	37,15
7,223	9,231	10,392	3,651	8,233	10,615	10,454	37,2
7,437	9,126	9,894	6,705	8,413	10,756	10,454	37,25
7,151	9,406	10,001	11,641	8,089	10,862	10,525	37,3
6,901	10,597	9,574	12,280	8,738	10,333	10,665	37,35
6,507	11,403	7,940	12,813	8,990	10,333	10,841	37,4
6,436	11,193	7,229	11,747	8,918	10,156	11,017	37,45
6,507	10,527	7,158	10,114	8,377	9,451	11,017	37,5
6,579	9,827	5,985	9,190	8,197	9,556	10,947	37,55
6,686	9,967	5,417	8,516	8,161	9,803	10,806	37,6
6,436	9,792	5,914	6,634	7,945	10,262	10,665	37,65
6,794	8,846	7,016	7,557	7,873	10,297	10,454	37,7
6,114	9,161	8,686	6,385	7,512	10,439	10,419	37,75
6,686	9,021	8,793	5,852	7,368	10,580	10,595	37,8
7,044	9,582	7,833	4,396	7,368	10,403	10,665	37,85
6,293	10,212	8,544	6,385	7,188	10,368	10,876	37,9
6,472	11,788	8,722	4,858	6,972	10,227	10,947	37,95

6,328	11,298	8,508	6,918	6,071	10,015	11,017	38
6,829	10,772	8,082	6,740	5,746	10,050	11,017	38,05
6,722	10,527	6,447	6,776	6,431	10,297	10,912	38,1
6,794	10,422	6,269	7,237	5,674	10,156	10,841	38,15
6,650	10,142	5,914	6,634	6,828	10,439	10,771	38,2
6,472	8,706	7,798	6,953	8,269	10,333	10,771	38,25
5,863	10,002	8,260	6,420	7,765	9,909	10,771	38,3
6,579	9,126	9,503	5,391	9,026	9,768	10,736	38,35
7,044	10,107	9,752	5,994	8,593	9,980	10,736	38,4
6,436	9,441	10,143	4,751	9,566	10,227	10,806	38,45
6,829	9,266	10,712	5,497	9,602	10,509	10,876	38,5
6,722	9,476	10,321	6,207	8,701	9,839	11,052	38,55
6,901	9,126	9,965	6,598	9,098	9,486	11,158	38,6
7,151	9,476	9,823	7,202	9,098	10,050	11,122	38,65
7,080	10,983	9,148	9,048	9,350	9,839	11,087	38,7
7,509	9,687	8,366	10,966	9,747	10,333	11,087	38,75
7,151	9,476	7,798	10,469	6,719	10,297	11,087	38,8
6,650	9,021	6,945	9,297	5,999	10,121	11,087	38,85
6,507	9,617	7,513	9,333	7,584	9,909	11,122	38,9
6,400	11,193	7,726	8,480	8,665	9,733	11,193	38,95
6,865	12,209	7,940	7,735	9,242	9,521	11,298	39
6,650	12,769	6,873	6,776	8,485	9,415	11,298	39,05
7,008	12,489	6,092	6,776	7,476	9,521	11,369	39,1
6,543	10,702	5,523	6,456	7,512	9,662	11,158	39,15
6,543	10,597	4,350	6,918	7,224	9,839	10,982	39,2
6,507	10,387	5,807	5,391	7,368	9,839	10,841	39,25
7,795	10,702	6,518	5,817	6,719	9,909	10,736	39,3
6,865	10,702	9,112	4,574	8,233	9,909	10,806	39,35
7,724	9,967	9,183	4,219	8,089	10,121	10,806	39,4
7,151	10,072	10,960	2,940	7,296	9,945	10,595	39,45
6,758	9,757	10,818	4,006	7,765	9,909	10,595	39,5
6,865	8,566	9,823	4,467	7,584	9,874	10,595	39,55
6,865	9,196	9,290	6,811	6,828	9,874	10,701	39,6
6,829	10,597	8,757	7,806	7,729	9,592	10,665	39,65
6,650	11,158	9,574	8,303	6,683	10,474	10,665	39,7
7,223	11,928	9,183	8,764	5,891	10,544	10,595	39,75
7,294	12,594	7,940	9,262	8,485	10,756	10,490	39,8
7,187	12,209	7,229	7,912	9,206	10,897	10,454	39,85
7,294	11,753	6,731	8,125	9,963	10,262	10,384	39,9
6,650	10,107	5,950	7,166	9,891	9,839	10,103	39,95
6,150	9,932	5,878	6,918	9,638	9,733	9,892	40
6,507	10,772	6,376	6,278	10,251	9,839	10,173	40,05
7,294	10,107	8,437	4,680	10,792	9,521	10,173	40,1
6,042	10,037	9,077	4,751	11,909	9,345	10,384	40,15
7,652	11,298	9,219	4,254	10,539	9,415	10,736	40,2
7,080	10,177	9,965	4,325	8,665	9,768	10,630	40,25
7,581	9,056	9,361	4,148	9,783	10,015	10,595	40,3
7,044	8,881	9,361	2,195	11,549	9,909	10,736	40,35
6,507	9,406	9,468	5,675	7,548	9,556	10,630	40,4
6,865	10,212	9,326	5,639	9,819	9,556	10,490	40,45
7,366	9,056	8,117	7,308	9,855	9,415	10,314	40,5
7,115	11,928	7,798	8,445	9,566	9,168	10,244	40,55
6,829	12,279	7,549	7,912	9,638	8,816	10,103	40,6
6,972	12,594	7,087	8,622	10,467	8,886	10,138	40,65
7,151	11,718	6,696	7,486	9,783	8,957	10,208	40,7

6,722	11,158	6,945	5,710	9,963	9,063	10,454	40,75
6,829	11,368	7,762	5,568	9,422	9,274	10,736	40,8
6,507	10,737	7,300	5,249	8,774	9,380	10,876	40,85
7,545	10,948	8,544	5,000	8,161	9,415	10,947	40,9
6,364	10,843	10,321	4,432	8,233	9,415	10,841	40,95
7,151	10,808	10,747	4,716	7,909	9,627	10,595	41
6,364	10,808	10,036	5,959	8,161	9,662	10,841	41,05
7,080	10,107	9,255	5,426	8,305	9,803	10,736	41,1
7,115	9,932	8,722	7,699	8,665	9,486	10,701	41,15
7,366	10,247	8,935	9,084	8,557	9,345	10,665	41,2
7,294	10,177	9,077	7,557	8,161	9,098	10,771	41,25
7,008	9,827	8,864	9,475	8,089	9,063	10,947	41,3
7,294	10,142	8,864	7,806	9,530	9,168	11,158	41,35
6,364	9,266	7,655	7,912	9,026	9,415	11,158	41,4
6,615	9,582	8,295	7,699	9,170	9,945	11,333	41,45
6,650	10,702	7,798	7,308	8,954	10,050	11,439	41,5
7,115	10,107	8,366	7,237	8,665	9,980	11,369	41,55
7,294	10,702	8,828	6,492	9,711	9,874	11,404	41,6
6,150	10,948	8,935	7,131	9,602	9,839	11,439	41,65
7,187	10,352	8,757	7,912	9,098	9,556	11,298	41,7
7,223	10,177	7,726	7,060	8,269	9,204	11,228	41,75
7,294	10,597	7,584	8,409	9,278	9,274	11,087	41,8
6,901	10,142	7,655	6,492	9,350	9,486	11,017	41,85
7,473	10,597	8,331	6,882	9,530	9,627	11,017	41,9
8,010	10,142	8,935	6,918	10,107	9,274	10,947	41,95
7,187	10,037	8,188	7,592	9,062	8,780	10,982	42
7,437	10,702	8,082	6,847	8,089	9,415	11,017	42,05
6,686	11,508	8,011	6,492	9,062	9,380	11,017	42,1
7,294	12,139	8,508	5,497	8,593	9,698	11,052	42,15
6,794	11,648	7,655	5,852	8,089	9,486	11,052	42,2
6,794	11,648	7,584	5,639	8,089	9,768	11,017	42,25
6,972	11,648	7,655	6,065	8,774	9,345	10,912	42,3
7,366	10,737	7,869	6,136	8,053	9,909	10,876	42,35
6,722	9,967	7,940	6,705	7,404	10,227	10,841	42,4
6,507	10,317	7,513	7,131	8,665	10,156	10,806	42,45
6,865	10,527	8,579	6,705	8,413	10,721	10,841	42,5
6,865	10,457	8,722	6,101	7,548	10,756	10,876	42,55
6,579	10,212	10,925	6,278	6,647	10,368	11,017	42,6
7,151	11,088	11,209	6,278	7,296	10,050	11,193	42,65
6,865	10,562	9,823	6,456	7,584	10,015	11,298	42,7
6,758	10,282	9,894	5,639	8,377	9,839	11,263	42,75
7,259	10,317	9,539	8,871	9,783	9,803	11,158	42,8
6,722	9,967	9,006	8,764	9,062	9,874	11,087	42,85
7,473	9,967	8,864	9,972	8,089	9,874	11,017	42,9
7,437	10,282	7,940	9,333	7,224	10,086	11,087	42,95
7,259	12,419	7,087	8,338	9,566	10,262	11,158	43
7,044	10,878	7,940	8,303	9,278	10,368	11,369	43,05
7,044	10,562	7,904	8,054	8,521	10,262	11,439	43,1
6,650	10,527	8,722	7,202	8,089	9,980	11,439	43,15
7,330	11,228	7,798	6,811	7,296	9,698	11,333	43,2
7,545	11,368	9,077	6,953	5,855	9,662	11,298	43,25
7,724	11,368	9,610	5,213	5,602	9,909	11,298	43,3
6,686	9,932	8,473	5,036	6,359	9,592	11,439	43,35
7,509	10,878	8,899	5,355	7,044	9,486	11,439	43,4
6,972	11,088	9,255	6,314	7,909	9,486	11,439	43,45

7,509	11,963	9,432	6,989	6,864	8,921	11,333	43,5
7,330	11,683	9,361	6,492	7,584	8,780	11,193	43,55
7,831	12,349	10,250	6,492	9,530	9,133	11,158	43,6
7,867	11,088	9,255	6,101	9,242	9,380	11,158	43,65
7,867	9,792	8,899	7,237	8,377	9,027	11,158	43,7
6,972	10,632	8,544	8,303	8,053	8,886	11,087	43,75
7,366	9,687	8,473	9,190	7,440	9,239	10,947	43,8
7,080	10,808	8,864	9,617	7,837	9,204	10,912	43,85
6,937	11,648	9,823	8,551	8,377	9,345	10,876	43,9
7,509	11,683	10,107	8,587	8,990	9,310	10,876	43,95
6,829	11,333	9,041	7,877	8,125	9,168	10,806	44
7,581	10,878	8,117	7,806	8,593	9,592	10,771	44,05
7,294	10,667	8,188	7,095	8,377	10,297	10,736	44,1
7,115	11,193	8,260	7,628	5,891	10,439	10,771	44,15
7,688	10,772	8,224	7,166	7,548	10,086	10,701	44,2
8,117	9,441	8,046	7,592	6,647	10,262	10,630	44,25
7,938	11,123	8,508	7,237	7,729	-10,262	10,630	44,3
7,545	10,212	9,183	6,563	6,864	10,509	10,736	44,35
7,652	11,368	9,752	6,634	6,359	10,968	10,947	44,4
6,937	11,018	9,859	6,172	6,936	10,262	11,158	44,45
7,867	11,928	9,361	5,426	7,008	9,874	11,439	44,5
7,115	11,998	8,508	5,426	7,981	9,451	11,579	44,55
7,259	12,069	8,188	5,994	7,801	9,098	11,650	44,6
7,259	10,772	7,691	7,592	7,801	8,357	11,826	44,65
7,187	10,667	8,011	7,237	8,233	8,392	11,755	44,7
7,616	10,878	7,300	8,764	8,161	8,780	11,720	44,75
7,509	10,527	7,016	8,906	7,837	9,133	11,474	44,8
7,008	10,737	8,437	8,445	8,053	9,909	11,017	44,85
6,865	10,632	8,722	8,587	8,089	9,698	10,736	44,9
6,436	10,667	7,975	7,841	8,413	9,521	10,560	44,95
6,937	11,263	8,224	7,237	10,179	9,310	10,595	45
6,901	11,893	7,940	7,344	8,954	8,921	10,912	45,05
7,724	10,948	8,366	7,912	6,828	9,521	10,736	45,1
7,938	11,368	9,077	7,806	8,485	9,345	10,876	45,15
7,330	10,457	9,432	6,492	9,638	8,780	10,876	45,2
7,831	10,387	9,397	6,705	7,873	9,027	10,384	45,25
7,115	9,511	8,366	7,060	8,089	9,098	10,103	45,3
7,902	9,476	7,229	6,492	7,512	8,780	10,244	45,35
7,616	9,406	9,823	8,658	6,936	8,816	10,103	45,4
6,758	10,037	10,534	7,450	7,512	8,851	9,927	45,45
7,294	9,897	10,925	6,598	7,224	9,098	10,068	45,5
7,581	10,878	10,285	7,060	6,683	8,921	10,244	45,55
6,937	11,648	9,503	6,953	7,152	9,098	10,208	45,6
6,579	11,088	7,798	6,776	7,692	9,380	10,454	45,65
6,364	11,018	7,940	8,871	8,701	9,204	10,595	45,7
6,794	11,263	7,229	9,617	7,044	9,239	10,595	45,75
7,187	11,543	5,878	9,475	8,161	9,168	10,876	45,8
6,794	11,508	6,447	9,048	8,954	9,168	11,087	45,85
7,509	10,457	7,087	7,628	7,620	8,851	11,087	45,9
7,366	10,632	8,082	7,628	7,548	8,710	10,982	45,95
7,330	10,457	7,975	7,060	9,386	8,286	10,736	46
7,437	10,212	7,940	7,095	11,260	8,216	10,525	46,05
7,437	9,582	9,006	6,776	11,404	8,322	10,595	46,1
7,759	9,792	10,854	6,420	7,440	8,428	10,630	46,15
7,223	10,422	10,356	4,787	8,377	9,168	10,665	46,2

7,080	10,667	10,854	2,337	8,521	9,027	10,736	46,25
6,865	11,508	9,539	5,604	9,098	8,851	10,876	46,3
6,472	11,823	8,579	6,669	9,026	9,274	10,806	46,35
6,794	11,718	7,975	7,912	8,269	9,768	10,595	46,4
7,151	12,979	7,655	10,540	7,765	9,909	10,525	46,45
7,366	12,874	6,731	10,327	7,873	9,945	10,490	46,5
7,151	11,928	7,478	8,587	7,512	10,050	10,454	46,55
7,581	10,737	6,696	7,912	6,611	10,474	10,384	46,6
7,688	11,088	7,122	8,054	7,656	10,615	10,279	46,65
7,759	10,527	7,300	7,415	8,449	10,615	10,314	46,7
7,688	9,932	9,610	6,278	7,656	10,403	10,454	46,75
7,115	9,021	12,062	7,663	8,954	10,509	10,665	46,8
7,330	10,597	10,285	5,604	8,846	10,615	10,912	46,85
6,579	9,827	10,783	4,929	8,954	10,897	10,841	46,9
6,937	10,527	10,640	6,456	8,341	10,932	10,947	46,95
6,293	11,228	10,178	7,663	8,161	10,686	10,876	47
7,259	10,422	9,219	8,409	8,449	10,121	10,595	47,05
8,296	10,072	9,930	7,237	8,846	9,627	10,736	47,1
8,296	9,967	8,935	7,592	8,161	9,733	10,665	47,15
7,902	9,967	8,046	8,587	7,656	9,803	10,665	47,2
7,724	9,757	8,615	10,220	7,801	9,980	10,525	47,25
7,938	10,247	8,793	9,688	7,008	9,980	10,490	47,3
7,581	11,018	8,508	9,190	6,539	9,733	10,490	47,35
7,151	10,808	8,117	7,912	7,080	9,768	10,525	47,4
7,115	12,349	7,513	8,338	6,719	9,980	10,595	47,45
7,115	12,419	6,554	7,344	6,575	10,439	10,630	47,5
7,724	13,260	6,447	7,308	9,783	9,239	10,736	47,55
7,080	13,470	5,594	6,669	10,756	9,133	10,806	47,6
8,010	12,279	5,807	6,776	7,368	9,521	10,736	47,65
7,402	12,209	7,513	6,705	7,512	9,768	10,595	47,7
7,795	11,088	9,183	4,006	9,494	9,133	10,595	47,75
7,795	11,368	9,574	4,751	10,215	8,710	10,665	47,8
7,330	10,177	10,640	2,266	10,323	8,851	10,736	47,85
7,402	11,123	11,635	4,325	9,134	8,921	10,736	47,9
7,581	12,279	13,697	4,787	9,458	9,274	10,701	47,95
8,081	12,104	13,164	4,432	9,783	9,592	10,665	48
8,332	12,699	11,564	6,420	10,395	9,627	10,771	48,05
7,867	11,473	10,036	7,308	10,107	9,345	10,947	48,1
7,724	10,667	9,503	6,776	9,963	9,345	11,193	48,15
7,259	9,897	9,077	8,764	9,602	9,415	11,298	48,2
6,794	10,632	8,473	9,297	10,179	9,345	11,158	48,25
6,615	10,037	8,153	10,505	9,314	9,098	10,982	48,3
6,722	12,034	8,508	9,333	8,882	9,521	11,017	48,35
6,937	11,963	9,183	8,622	8,377	9,980	10,876	48,4
7,402	11,403	8,615	7,557	8,485	9,803	10,736	48,45
7,974	11,263	7,869	8,125	8,161	9,486	10,806	48,5
8,189	10,177	7,584	8,090	7,584	9,486	10,841	48,55
8,189	10,667	7,513	8,196	7,729	9,415	10,982	48,6
8,976	9,792	7,442	8,445	7,620	9,310	11,122	48,65
7,724	9,897	8,650	7,095	8,269	9,627	11,158	48,7
7,795	10,597	9,432	7,344	7,116	9,133	11,087	48,75
7,115	11,123	9,361	5,284	7,873	9,133	11,158	48,8
7,831	11,123	9,006	4,645	7,729	9,451	11,228	48,85
7,759	12,069	8,722	7,131	8,377	9,874	11,228	48,9
7,437	13,575	7,407	6,776	7,116	9,768	11,158	48,95

7,652	12,769	6,945	7,415	7,296	9,380	11,158	49
7,151	12,069	6,234	8,019	7,224	9,415	11,087	49,05
7,044	11,508	6,376	7,450	7,152	9,133	11,087	49,1
7,616	10,843	6,589	7,237	7,512	9,345	11,087	49,15
7,509	11,298	9,112	7,308	7,981	9,310	11,158	49,2
6,794	11,648	12,169	6,101	7,945	9,698	11,158	49,25
6,650	10,948	12,346	5,497	7,801	9,874	11,158	49,3
7,151	10,632	11,138	3,295	7,656	9,945	11,158	49,35
7,437	10,948	10,498	5,178	8,125	10,121	11,158	49,4
7,402	11,508	10,747	6,705	7,909	10,050	11,263	49,45
7,437	11,648	9,432	6,882	7,656	10,368	11,298	49,5
7,437	10,878	9,539	9,972	7,224	9,768	11,298	49,55
7,831	10,002	9,006	9,190	7,188	9,945	11,228	49,6
8,224	10,142	8,579	7,699	7,765	10,156	11,158	49,65
7,688	10,107	8,295	6,172	6,323	10,262	11,087	49,7
7,008	9,967	7,975	6,065	6,719	10,121	11,017	49,75
7,044	10,948	8,508	6,065	7,260	10,015	10,982	49,8
6,829	10,632	9,752	6,456	6,467	10,192	10,982	49,85
7,330	10,878	8,757	5,959	8,017	10,262	11,122	49,9
8,189	11,928	9,432	5,852	7,080	9,627	11,228	49,95
7,759	11,263	8,935	6,349	7,765	9,839	11,369	50
7,402	10,948	8,864	7,877	8,161	9,486	11,228	50,05
7,688	10,737	8,970	8,232	8,701	9,027	11,193	50,1
6,722	11,403	6,518	7,095	9,062	9,627	11,158	50,15
7,259	11,403	6,340	7,308	11,152	9,451	11,087	50,2
7,330	12,664	6,305	6,492	10,395	9,556	11,052	50,25
7,080	12,769	7,726	7,344	9,350	10,121	10,947	50,3
8,010	12,769	8,082	7,308	9,602	10,403	10,947	50,35
6,972	11,578	7,726	6,136	8,990	10,262	11,052	50,4
7,902	10,808	8,295	5,284	10,467	10,333	11,052	50,45
7,902	10,948	7,300	4,680	8,233	10,156	11,193	50,5
7,688	11,263	5,630	6,101	8,810	10,192	11,228	50,55
8,010	10,948	6,447	4,396	9,386	9,980	11,298	50,6
7,759	11,018	9,574	5,852	10,323	9,768	11,193	50,65
7,581	10,737	13,626	4,148	11,080	10,086	11,158	50,7
7,581	11,053	13,910	3,473	10,287	10,192	11,087	50,75
7,402	12,769	12,062	0,632	9,206	10,262	11,052	50,8
7,652	12,489	11,707	3,011	8,125	10,156	11,052	50,85
7,616	11,508	11,778	9,190	9,350	10,086	11,193	50,9
7,759	10,492	11,351	7,415	7,584	10,050	11,474	50,95
7,938	10,282	10,178	9,510	9,602	9,839	11,474	51
7,938	10,317	9,041	9,652	8,521	9,980	11,158	51,05
7,795	9,967	8,260	11,321	8,990	10,050	10,806	51,1
7,867	10,212	9,361	8,480	9,314	9,662	10,595	51,15
8,010	10,072	9,503	8,125	9,530	9,592	10,419	51,2
7,330	10,808	8,188	10,043	8,882	9,486	10,173	51,25
7,223	11,298	8,722	8,587	9,458	9,592	9,822	51,3
6,758	11,543	7,016	7,983	9,206	9,909	9,892	51,35
7,688	12,664	6,731	8,658	9,026	9,980	10,033	51,4
7,759	14,030	6,234	9,048	11,404	9,768	10,384	51,45
7,437	14,100	6,234	9,190	8,846	10,050	10,595	51,5
8,010	14,871	5,630	8,196	9,098	9,980	10,595	51,55
7,688	13,190	4,350	8,161	8,521	10,050	10,701	51,6
8,618	11,648	6,127	7,024	8,233	10,192	10,736	51,65
7,187	10,597	6,234	5,391	8,449	10,227	10,560	51,7

6,507	10,247	7,940	6,172	8,738	10,262	10,314	51,75
7,187	10,843	8,473	4,645	8,377	10,297	10,244	51,8
6,364	10,212	9,610	3,331	7,837	9,874	10,244	51,85
6,937	10,808	12,559	4,148	8,233	9,698	10,490	51,9
7,724	10,282	13,519	5,213	8,629	9,486	10,595	51,95
7,581	10,212	14,478	5,852	8,557	9,627	10,665	52
8,654	9,056	14,621	7,344	8,125	9,627	10,665	52,05
8,081	10,387	13,093	8,196	7,440	9,662	10,736	52,1
7,330	9,406	12,488	9,262	8,990	9,733	10,841	52,15
7,581	10,317	11,387	10,469	8,846	9,733	10,947	52,2
7,724	10,422	10,356	8,729	8,593	9,662	10,912	52,25
7,509	11,893	9,077	10,576	8,629	9,909	10,806	52,3
7,795	11,648	8,260	10,469	8,161	10,050	10,982	52,35
7,652	11,718	7,798	11,925	7,656	10,121	10,771	52,4
7,652	11,648	7,513	11,428	7,801	10,262	10,630	52,45
8,153	11,088	6,696	10,753	7,873	10,333	10,454	52,5
7,473	11,018	5,843	9,510	8,305	10,121	10,454	52,55
6,579	10,527	5,381	7,806	7,188	10,121	10,595	52,6
6,758	10,737	4,670	7,273	7,260	10,333	10,701	52,65
6,007	11,508	5,772	7,237	6,503	10,192	10,771	52,7
7,080	11,683	5,594	6,492	7,116	10,262	10,771	52,75
6,865	13,155	4,955	6,563	6,792	10,439	10,771	52,8
7,080	12,769	5,630	6,989	7,116	10,650	10,806	52,85
6,722	13,505	6,447	5,178	7,512	10,297	10,771	52,9
7,366	12,769	6,554	5,142	7,224	10,721	10,701	52,95
7,294	11,718	7,016	3,402	8,161	10,509	10,806	53
7,008	11,788	8,615	2,159	7,116	10,333	10,736	53,05
7,616	9,967	8,650	2,337	7,404	10,156	10,701	53,1
8,117	10,597	9,290	3,011	8,017	10,015	10,595	53,15
7,938	9,126	10,854	4,041	8,990	9,874	10,525	53,2
6,937	9,406	10,818	4,325	8,593	9,556	10,490	53,25
7,259	9,301	10,960	3,793	8,521	9,980	10,419	53,3
6,650	10,212	12,346	4,716	9,386	10,262	10,419	53,35
6,865	11,018	13,164	5,568	9,963	10,474	10,454	53,4
6,829	11,928	11,351	4,858	9,638	10,368	10,630	53,45
7,330	11,333	10,285	5,639	10,359	11,003	10,701	53,5
6,794	9,757	10,036	8,551	10,684	10,968	10,841	53,55
7,294	10,037	8,722	11,037	10,323	10,544	10,771	53,6
7,151	10,212	9,717	10,860	10,107	10,333	10,595	53,65
7,366	9,266	8,935	10,007	9,350	10,333	10,525	53,7
7,008	9,687	7,549	9,119	9,783	10,403	10,490	53,75
7,259	8,321	7,940	9,190	9,855	10,192	10,560	53,8
7,115	9,021	7,620	7,415	9,386	9,945	10,665	53,85
7,437	10,597	8,117	9,190	9,026	9,662	10,806	53,9
7,831	11,508	8,579	8,090	9,206	10,121	10,876	53,95
7,259	11,368	9,006	8,480	8,954	10,544	10,982	54
6,722	11,438	8,437	6,705	8,990	10,121	10,912	54,05
6,758	12,489	8,579	6,492	9,386	10,262	10,841	54,1
6,829	12,909	7,229	6,882	9,819	10,262	10,771	54,15
6,972	12,839	7,726	6,207	9,602	10,156	10,736	54,2
7,151	11,508	7,478	6,314	9,494	9,698	10,665	54,25
6,865	11,158	8,295	7,237	9,711	9,662	10,665	54,3
7,509	10,457	8,544	5,923	9,242	9,486	11,017	54,35
7,187	9,547	9,112	6,740	8,413	9,380	11,052	54,4
6,650	9,126	11,280	6,101	8,305	9,310	11,193	54,45

6,436	9,336	12,204	4,965	7,801	9,098	11,158	54,5
6,829	9,266	12,204	5,284	8,954	9,098	10,982	54,55
7,366	9,967	11,991	6,669	8,990	8,286	10,876	54,6
7,473	11,368	11,102	7,948	9,891	8,428	10,876	54,65
7,938	10,913	10,498	8,480	9,999	8,780	10,806	54,7
8,153	11,858	9,788	11,321	9,206	9,592	10,876	54,75
7,509	10,177	9,645	12,245	7,873	9,803	11,017	54,8
7,437	10,562	9,397	12,635	7,440	9,698	11,193	54,85
7,294	9,897	8,544	12,387	7,548	9,556	11,298	54,9
7,437	10,562	8,437	12,600	7,152	9,556	11,439	54,95
8,081	12,489	8,046	11,854	6,756	9,768	11,474	55
7,581	11,963	7,726	11,605	7,440	9,803	11,439	55,05
7,652	12,629	6,731	10,185	7,656	10,156	11,228	55,1
7,294	11,928	6,198	9,510	6,792	10,474	11,087	55,15
7,437	11,158	5,843	8,977	6,792	10,544	11,017	55,2
7,294	11,648	4,955	9,048	7,224	10,192	10,912	55,25
6,972	11,018	4,350	8,161	7,296	10,050	10,912	55,3
8,046	11,158	2,822	7,841	6,647	9,945	10,947	55,35
8,367	10,878	6,269	7,735	5,855	10,050	11,052	55,4
7,938	10,527	8,793	5,994	6,575	10,333	11,228	55,45
8,010	10,878	10,498	6,420	6,756	10,686	11,333	55,5
7,151	9,757	9,823	4,822	7,801	10,791	11,298	55,55
7,616	10,212	8,331	4,432	7,440	11,074	11,158	55,6
7,151	11,018	8,793	3,757	7,512	11,285	11,158	55,65
7,724	11,823	10,463	4,680	10,107	11,321	11,158	55,7
7,974	12,769	10,960	4,148	9,170	11,426	11,158	55,75
7,831	11,683	10,747	5,213	7,801	11,497	11,158	55,8
8,153	11,333	10,712	4,503	7,729	11,603	11,158	55,85
6,722	10,142	10,001	4,006	8,377	10,968	10,947	55,9
7,759	9,406	8,082	4,467	7,873	10,756	10,947	55,95
7,008	10,002	9,077	6,349	9,530	10,474	10,841	56
7,437	9,266	9,645	9,262	9,458	10,262	10,630	56,05
7,581	9,932	9,752	9,546	10,720	10,333	10,982	56,1
7,080	11,368	10,676	8,622	9,891	10,227	11,052	56,15
6,686	11,158	11,422	9,190	9,638	10,015	11,087	56,2
6,758	10,002	10,676	7,486	9,999	9,698	11,087	56,25
7,437	10,107	9,219	7,131	9,783	9,451	11,158	56,3
6,758	9,722	8,188	7,131	10,323	9,521	11,158	56,35
7,652	10,632	8,011	8,622	9,963	9,627	11,193	56,4
7,437	9,687	7,051	9,546	10,143	9,698	11,158	56,45
7,688	9,967	6,625	9,119	10,539	9,627	11,122	56,5
8,582	9,862	7,584	8,729	10,395	10,050	10,982	56,55
8,654	9,406	8,011	8,161	10,071	9,980	10,876	56,6
8,153	9,511	7,193	8,338	10,215	10,403	10,701	56,65
7,688	10,913	7,087	6,776	9,747	10,262	10,595	56,7
7,187	9,476	7,442	9,226	9,314	10,086	10,595	56,75
7,187	9,091	6,945	8,551	8,701	10,262	10,701	56,8
6,686	10,878	7,940	6,705	9,026	10,686	10,876	56,85
6,507	12,594	8,188	5,923	9,458	10,333	10,982	56,9
7,008	13,014	9,219	5,426	9,855	10,227	11,052	56,95
6,937	14,766	8,402	4,929	8,161	10,086	11,158	57
8,153	14,521	9,041	4,822	7,873	9,980	11,087	57,05
8,153	13,750	8,544	4,645	8,521	9,980	10,912	57,1
8,189	11,508	7,975	5,320	8,665	9,980	10,665	57,15
7,151	9,897	7,264	4,645	7,260	9,662	10,525	57,2

6,221	10,352	9,112	6,705	7,512	9,592	10,454	57,25
6,185	10,317	9,574	7,450	7,548	9,486	10,560	57,3
6,758	11,508	10,001	6,989	8,017	9,380	10,665	57,35
7,151	10,352	11,564	6,278	7,729	9,345	10,876	57,4
7,831	10,422	11,245	6,456	8,017	9,839	11,087	57,45
7,795	9,406	11,849	7,628	7,296	9,839	11,228	57,5
8,475	8,601	12,631	7,344	8,089	9,698	11,193	57,55
8,224	7,900	12,382	9,190	9,530	9,168	11,158	57,6
7,581	7,865	11,245	9,936	8,954	9,239	10,947	57,65
7,366	8,741	11,600	10,576	8,738	9,345	10,665	57,7
6,507	7,795	10,143	10,540	8,449	9,521	10,525	57,75
6,865	7,725	9,645	9,190	8,521	9,415	10,454	57,8
7,080	8,741	8,153	9,119	7,837	9,451	10,630	57,85
6,579	10,212	8,153	12,245	7,945	9,451	10,806	57,9
7,330	10,527	8,188	11,179	9,638	9,803	11,087	57,95
7,902	10,632	7,371	11,286	9,062	9,839	11,193	58
7,652	10,387	6,873	10,043	8,089	9,768	11,228	58,05
7,044	9,511	5,914	8,693	7,044	9,839	11,158	58,1
7,294	10,107	5,630	8,622	6,395	9,909	10,947	58,15
7,008	10,562	5,026	8,445	7,296	9,945	10,806	58,2
6,829	11,508	4,350	7,131	7,152	10,050	10,736	58,25
6,794	10,843	6,980	7,948	7,296	10,333	10,736	58,3
6,579	12,244	6,234	6,776	7,260	10,650	10,806	58,35
7,008	11,788	5,878	5,071	7,584	10,827	10,876	58,4
7,581	11,578	5,914	5,355	7,981	10,686	11,017	58,45
6,650	11,228	5,665	5,533	8,017	10,968	11,087	58,5
6,794	10,037	8,331	5,568	7,837	10,932	11,193	58,55
7,294	9,757	9,432	4,148	7,692	11,144	10,841	58,6
7,759	9,897	7,869	3,651	7,404	11,391	10,771	58,65
7,509	10,072	7,229	4,077	5,566	11,179	10,912	58,7
7,294	11,298	9,717	5,071	7,008	11,567	10,876	58,75
6,221	10,212	11,884	7,379	8,701	12,097	10,595	58,8
6,686	10,142	10,854	5,959	8,846	11,603	10,876	58,85
6,758	11,088	10,427	4,219	8,954	10,580	11,017	58,9
6,328	11,263	8,437	5,639	8,305	10,297	11,087	58,95
6,543	11,648	7,655	7,131	8,197	9,698	11,017	59
7,080	12,559	6,873	7,486	7,981	9,521	10,982	59,05
7,223	11,928	6,412	8,267	8,269	10,050	10,876	59,1
7,294	10,527	3,888	6,705	7,656	10,050	10,771	59,15
7,366	9,827	3,107	7,806	11,080	10,262	10,876	59,2
6,436	9,617	6,021	6,918	9,458	10,050	10,912	59,25
6,615	9,652	7,264	7,379	8,954	9,874	10,876	59,3
6,436	9,301	7,407	6,634	7,837	9,768	10,947	59,35
6,615	9,056	5,559	5,142	6,575	9,768	11,017	59,4
6,650	9,266	8,579	2,052	6,359	9,733	11,298	59,45
6,865	8,636	9,219	7,308	6,107	9,733	11,193	59,5
6,686	9,897	8,508	5,959	7,152	9,627	10,947	59,55
6,257	9,582	8,650	8,764	6,179	9,556	10,876	59,6
5,792	9,687	8,331	8,196	6,683	9,556	10,701	59,65
6,185	10,457	8,650	5,959	5,999	9,380	10,314	59,7
6,293	12,034	7,975	6,705	6,467	8,886	10,665	59,75
6,078	11,963	9,006	6,349	6,179	9,063	10,701	59,8
6,400	12,594	8,437	7,663	7,656	8,745	10,701	59,85
6,221	10,667	7,833	7,877	8,449	9,662	10,912	59,9
6,615	10,177	6,945	5,320	8,269	9,662	10,912	59,95

6,579	10,843	6,269	5,142	8,882	10,121	10,806	60
6,221	10,527	6,305	3,970	8,521	10,721	10,841	60,05
6,472	9,406	9,326	3,579	8,665	11,356	10,806	60,1
7,008	8,811	10,143	7,521	8,665	11,462	10,876	60,15
7,008	8,531	10,285	8,587	8,161	11,074	11,052	60,2
6,185	9,547	9,965	5,142	8,377	10,897	11,158	60,25
7,008	8,110	10,250	3,011	7,981	10,686	11,158	60,3
6,865	8,916	10,640	7,166	9,206	10,439	11,017	60,35
6,364	9,476	11,138	7,131	8,774	10,439	10,876	60,4
6,722	10,457	11,067	7,841	8,954	10,509	10,841	60,45
6,937	10,808	10,178	7,770	9,278	10,862	10,841	60,5
6,865	9,967	8,970	8,196	10,395	10,827	10,982	60,55
6,328	9,967	8,579	8,906	8,918	10,897	11,087	60,6
7,259	9,231	7,726	9,723	9,026	10,827	11,158	60,65
6,185	10,107	6,767	9,404	9,134	10,897	11,228	60,7
6,436	9,722	7,300	9,368	8,810	11,074	11,298	60,75
6,829	10,772	6,305	8,587	8,341	11,038	11,369	60,8
7,294	10,002	6,589	8,374	8,593	11,074	11,404	60,85
6,007	10,177	6,234	8,267	8,377	11,038	11,369	60,9
6,150	10,527	7,193	7,344	8,774	11,038	11,193	60,95
6,686	10,632	6,483	6,349	8,665	10,968	11,087	61
6,758	10,948	7,371	5,817	9,350	11,038	11,017	61,05
7,008	11,473	6,802	5,000	9,026	10,968	10,947	61,1
6,472	11,893	7,300	5,852	8,413	10,968	10,982	61,15
6,758	11,998	7,264	5,781	8,629	10,756	11,158	61,2
7,008	10,702	7,833	4,822	8,738	10,580	11,298	61,25
6,901	11,508	9,788	5,781	8,665	10,544	11,369	61,3
7,509	10,983	9,788	6,847	9,350	10,474	11,439	61,35
7,223	10,282	8,046	7,379	9,819	10,403	11,439	61,4
6,937	10,597	5,878	5,923	10,251	10,192	11,439	61,45
7,724	8,951	7,513	7,060	9,278	10,050	11,228	61,5
7,223	8,846	11,138	8,125	9,170	9,945	11,087	61,55
7,330	8,566	12,844	7,663	9,242	9,909	10,982	61,6
7,581	8,671	13,270	7,095	9,278	9,980	10,947	61,65
7,044	8,916	12,417	5,284	9,314	10,050	10,982	61,7
6,829	9,757	11,884	5,036	9,566	10,050	11,158	61,75
6,829	10,037	10,640	7,450	9,386	9,980	11,263	61,8
7,080	11,683	9,894	9,048	9,314	9,909	11,369	61,85
7,080	11,928	8,366	9,865	8,377	9,839	11,404	61,9
6,937	12,699	7,975	9,794	8,810	9,945	11,369	61,95
7,187	10,597	6,802	11,392	9,566	9,874	11,158	62
7,008	10,737	6,376	9,759	11,080	9,980	11,158	62,05
6,615	9,652	5,132	9,546	8,918	9,909	11,017	62,1
7,223	9,932	4,350	8,764	8,954	9,627	11,017	62,15
6,722	11,298	2,822	8,125	7,008	9,556	11,052	62,2
6,507	11,368	6,056	7,415	8,521	9,380	11,017	62,25
6,794	12,069	9,326	6,065	8,521	9,345	11,087	62,3
6,507	12,734	10,072	5,710	8,449	9,345	11,087	62,35
7,044	12,839	9,397	5,142	7,656	9,345	11,122	62,4
7,151	10,808	8,757	3,970	7,188	9,627	11,122	62,45
7,008	10,632	8,579	5,036	7,584	9,909	11,158	62,5
7,581	10,772	7,726	3,686	9,098	10,015	11,228	62,55
7,724	10,002	7,655	5,568	9,098	10,192	11,052	62,6
7,294	10,037	9,717	6,598	8,485	10,333	10,982	62,65
7,294	9,266	12,097	5,888	8,413	10,403	10,947	62,7

6,436	8,215	11,778	4,148	7,801	10,368	10,701	62,75
6,257	9,722	11,778	4,751	8,233	10,192	10,841	62,8
6,507	10,632	11,600	5,071	8,593	10,086	11,158	62,85
6,722	10,072	10,783	5,710	8,017	10,262	11,263	62,9
7,330	9,967	10,001	7,273	8,377	10,227	11,298	62,95
7,008	9,757	9,823	7,060	7,801	9,839	11,298	63
7,724	9,687	9,823	7,415	7,656	9,698	11,193	63,05
7,581	8,916	8,970	9,936	8,233	10,015	11,087	63,1
7,759	10,037	8,153	10,043	8,954	10,368	10,876	63,15
7,867	9,371	7,229	9,475	8,738	10,403	10,912	63,2
7,294	9,547	7,584	11,605	7,801	10,297	10,876	63,25
7,437	11,228	7,513	9,688	8,810	10,121	11,017	63,3
7,044	11,088	7,513	9,297	8,413	10,050	11,158	63,35
6,686	11,158	6,554	10,007	8,017	10,050	11,158	63,4
7,151	11,928	6,447	6,989	7,620	10,015	11,193	63,45
7,080	12,629	5,097	7,060	8,593	9,980	11,158	63,5
6,865	13,190	5,203	6,065	8,593	10,050	11,193	63,55
7,223	13,014	6,731	6,563	9,422	10,121	11,122	63,6
8,189	9,897	7,513	4,822	7,152	10,121	11,052	63,65
7,509	9,617	9,361	3,864	7,224	10,121	10,947	63,7
8,582	8,986	11,067	3,579	7,440	10,050	10,876	63,75
7,223	9,476	10,960	6,918	7,548	9,839	10,912	63,8
6,829	8,321	7,442	4,006	7,692	9,803	10,912	63,85
6,221	8,250	10,498	6,705	7,945	9,768	10,947	63,9
6,901	11,053	10,889	7,948	7,801	9,909	10,947	63,95
6,400	10,352	11,600	8,125	8,521	10,156	11,017	64
6,722	10,387	9,539	8,232	8,485	10,403	11,017	64,05
7,330	12,069	8,935	8,800	8,918	10,509	11,052	64,1
7,724	12,489	9,788	8,090	8,341	10,474	11,017	64,15
8,296	9,757	8,935	10,078	8,161	10,262	10,912	64,2
7,437	9,126	7,264	10,220	8,629	10,262	10,841	64,25
7,509	8,846	5,239	11,215	8,305	10,192	10,841	64,3
7,330	8,531	5,239	9,048	8,089	9,839	10,876	64,35
6,937	8,846	7,300	9,333	7,548	9,733	10,736	64,4
7,080	9,476	7,122	9,048	8,089	10,121	10,771	64,45
7,366	9,231	9,326	9,119	7,801	10,227	10,665	64,5
8,010	9,967	9,290	6,243	8,017	9,768	10,736	64,55
7,831	10,387	8,437	6,847	8,197	10,086	10,806	64,6
8,010	9,967	8,046	7,060	8,341	10,050	10,876	64,65
8,081	10,037	8,153	6,776	8,449	10,297	10,876	64,7
6,758	10,142	7,833	7,202	6,936	10,262	10,806	64,75
7,115	11,263	7,264	6,136	6,467	10,121	10,736	64,8
7,581	12,489	7,940	5,710	6,575	10,192	10,701	64,85
7,187	12,769	7,762	5,497	6,936	9,803	10,736	64,9
7,223	13,225	7,016	5,071	7,044	9,486	10,806	64,95
7,187	12,629	7,300	4,006	6,936	9,556	10,806	65
7,187	12,104	6,234	4,538	7,548	9,627	10,806	65,05
6,436	10,212	7,798	4,183	7,656	9,980	10,595	65,1
6,007	10,212	8,935	4,467	8,125	10,121	10,490	65,15
6,794	10,177	9,823	5,284	8,377	10,297	10,454	65,2
6,865	10,387	11,316	5,391	9,242	10,544	10,595	65,25
7,616	10,282	12,062	4,929	9,242	10,544	10,806	65,3
8,224	8,566	11,955	6,776	9,747	10,192	10,841	65,35
8,439	9,371	13,732	8,303	9,747	10,227	10,841	65,4
8,153	8,986	12,702	6,705	9,134	10,333	10,876	65,45

7,688	8,215	12,133	9,794	8,954	10,368	10,876	65,5
6,829	8,321	11,209	8,835	8,738	10,297	10,771	65,55
6,650	9,301	10,321	9,688	9,062	10,333	10,665	65,6
6,257	10,107	9,432	9,865	9,638	10,297	10,560	65,65
6,436	12,769	9,859	8,977	8,810	10,227	10,595	65,7
6,615	13,960	7,300	12,458	8,701	10,050	10,665	65,75
7,080	13,610	7,513	10,291	8,449	9,909	10,701	65,8
6,829	12,279	7,407	9,617	8,377	9,945	10,771	65,85
6,937	11,473	4,990	13,026	6,359	9,980	10,841	65,9
8,010	9,967	5,843	11,463	8,954	10,192	10,876	65,95
8,224	9,897	5,132	10,114	7,656	9,839	10,876	66
8,260	10,317	7,584	8,054	7,260	9,698	10,806	66,05
7,724	10,808	7,975	6,634	7,945	9,839	10,736	66,1
8,153	9,792	8,011	6,563	8,521	9,980	10,736	66,15
7,366	9,617	9,219	6,314	8,089	9,803	10,771	66,2
6,829	8,531	9,859	6,527	7,440	10,050	10,806	66,25
7,008	9,862	6,554	5,994	7,152	10,121	10,876	66,3
7,581	11,158	7,087	5,746	7,224	10,333	10,947	66,35
7,867	11,893	7,478	6,776	7,332	9,909	10,912	66,4
7,795	12,979	7,726	8,196	6,936	9,980	10,947	66,45
7,724	13,225	7,016	7,912	6,467	9,627	10,876	66,5
8,511	11,963	7,549	6,776	8,089	9,556	10,771	66,55
8,332	10,772	6,305	4,929	7,152	9,521	10,806	66,6
7,795	10,177	5,630	4,467	7,332	9,768	10,841	66,65
7,581	9,582	6,909	5,284	7,801	9,839	10,876	66,7
6,507	9,897	7,691	4,290	8,521	10,050	10,912	66,75
6,829	9,617	9,290	4,112	8,954	10,121	10,947	66,8
6,472	10,107	10,214	4,183	8,954	10,756	10,947	66,85
6,829	10,282	11,955	3,189	9,819	10,439	11,052	66,9
6,686	11,753	10,640	4,680	9,278	10,262	11,158	66,95
6,901	12,314	9,788	6,634	7,981	9,768	11,158	67
7,151	12,909	10,072	8,764	9,891	9,310	11,017	67,05
7,223	10,772	8,828	8,267	9,278	9,063	10,982	67,1
6,901	11,123	8,615	10,291	9,530	9,803	10,982	67,15
7,187	10,352	7,016	9,830	9,170	9,980	10,982	67,2
6,937	10,737	6,447	7,663	9,242	9,768	10,982	67,25
5,685	9,301	6,945	8,587	9,530	10,368	11,087	67,3
6,865	9,091	7,798	7,770	10,035	10,615	11,158	67,35
7,223	9,897	8,402	6,811	10,395	10,686	11,193	67,4
8,010	9,196	9,788	7,841	11,476	10,686	11,193	67,45
8,546	8,636	10,747	7,699	10,756	10,791	11,298	67,5
7,581	9,231	9,788	7,166	9,242	10,509	11,369	67,55
7,509	8,811	10,072	6,989	8,017	10,086	11,369	67,6
6,722	9,056	9,539	6,740	7,332	9,839	11,298	67,65
5,863	8,321	8,650	6,278	7,801	10,050	11,298	67,7
7,795	11,473	8,011	6,847	7,332	9,909	11,193	67,75
6,972	13,190	7,229	7,095	7,584	9,839	11,052	67,8
7,008	12,944	7,513	7,415	6,647	9,698	11,017	67,85
6,937	12,664	6,660	7,344	7,116	10,192	11,087	67,9
7,652	11,543	5,985	5,994	6,936	10,227	11,158	67,95
7,724	10,317	4,528	5,533	8,557	10,192	11,298	68
7,581	10,702	6,589	5,746	7,765	9,839	11,404	68,05
7,294	10,282	8,402	4,467	7,765	9,839	11,509	68,1
6,579	9,091	9,503	3,651	7,512	9,909	11,544	68,15
7,724	8,636	10,605	2,052	8,089	9,874	11,474	68,2

6,865	8,671	12,062	2,585	7,945	9,627	11,298	68,25
6,436	9,196	13,022	4,325	8,233	9,768	11,158	68,3
6,829	10,247	10,925	4,858	7,909	9,909	11,158	68,35
7,223	10,212	9,610	4,041	8,593	9,909	11,087	68,4
7,151	9,617	10,036	6,349	8,161	9,768	11,122	68,45
7,366	9,301	9,539	8,054	8,089	9,592	11,193	68,5
7,795	10,247	10,072	8,303	9,458	9,662	11,263	68,55
7,938	10,107	9,361	7,770	8,593	9,310	11,298	68,6
7,330	9,021	8,508	10,398	8,269	9,556	11,333	68,65
6,829	9,231	7,726	9,652	8,665	9,768	11,298	68,7
6,472	11,123	7,335	11,037	7,873	9,698	11,193	68,75
6,507	12,909	6,198	12,245	8,197	9,662	11,122	68,8
7,080	13,084	5,239	9,901	8,305	9,733	11,087	68,85
6,400	12,734	5,239	8,445	7,584	9,627	11,158	68,9
6,328	13,995	4,102	9,048	7,224	9,698	11,228	68,95
7,115	12,909	3,924	8,303	7,224	9,945	11,298	69
7,294	11,298	3,924	7,663	6,936	9,803	11,298	69,05
7,652	10,527	5,132	6,030	6,972	9,310	11,439	69,1
6,829	10,177	9,432	6,243	6,647	9,627	11,439	69,15
7,294	9,827	11,422	4,716	7,909	9,556	11,439	69,2
7,294	9,967	7,584	3,508	8,990	9,415	11,509	69,25
6,865	9,547	10,072	2,443	8,846	9,380	11,404	69,3
6,829	9,021	10,925	6,349	8,305	9,521	11,298	69,35
6,436	9,056	12,346	4,503	7,656	9,945	11,228	69,4
6,543	9,091	12,346	4,503	8,810	10,050	11,298	69,45
6,507	10,667	10,925	4,609	8,053	10,086	11,439	69,5
6,507	11,018	10,321	8,516	8,954	9,980	11,474	69,55
6,901	10,527	11,493	7,948	8,377	9,662	11,439	69,6
7,259	9,932	10,143	8,196	8,882	9,415	11,439	69,65
6,972	9,897	9,681	8,516	8,990	9,627	11,369	69,7
6,937	10,107	9,255	11,002	10,143	9,486	11,298	69,75
6,722	9,967	8,935	11,392	12,089	9,662	11,228	69,8
6,221	10,948	8,793	9,119	10,215	9,733	11,158	69,85
6,078	11,648	7,833	7,877	9,638	9,768	11,052	69,9
6,293	11,368	6,945	8,693	9,566	9,874	11,017	69,95
6,650	11,158	6,198	7,806	9,530	9,909	11,052	70
6,829	11,368	6,696	6,740	9,278	10,015	11,087	70,05
7,437	11,368	6,909	7,344	10,323	9,698	11,017	70,1
7,223	10,948	6,305	7,379	9,963	9,486	10,982	70,15
7,437	10,247	6,305	7,699	9,314	9,803	10,982	70,2
6,972	9,231	6,305	7,237	9,530	9,980	10,982	70,25
6,937	9,932	7,798	7,450	8,882	10,050	10,947	70,3
7,044	9,406	7,691	8,303	9,819	10,121	11,017	70,35
6,722	8,846	8,650	6,740	9,747	10,156	10,876	70,4
6,436	10,562	9,183	5,462	10,431	10,156	10,736	70,45
7,795	11,438	10,676	6,207	9,638	10,086	10,806	70,5
7,259	11,088	8,970	6,527	10,467	10,050	10,947	70,55
6,686	10,808	8,082	6,065	8,377	10,015	10,982	70,6
7,044	11,123	8,082	5,036	8,521	10,262	10,912	70,65
6,579	11,368	6,945	6,563	8,846	10,192	10,841	70,7
6,722	11,648	5,345	8,196	8,413	10,156	10,771	70,75
5,863	11,158	5,061	7,912	8,629	10,156	10,806	70,8
6,221	11,298	4,315	8,196	7,548	10,192	10,947	70,85
6,114	10,597	4,635	7,273	8,125	10,368	11,017	70,9
6,436	10,527	6,127	7,273	8,882	10,509	10,947	70,95

7,473	9,862	6,376	6,598	7,981	10,474	10,701	71
7,008	9,617	7,549	6,030	8,161	10,474	10,701	71,05
6,507	9,336	11,707	3,082	9,170	10,403	10,771	71,1
6,937	8,250	13,235	4,325	6,359	10,297	10,982	71,15
6,758	8,951	12,559	4,290	7,512	10,192	11,017	71,2
6,579	7,760	11,955	3,331	8,233	10,156	11,017	71,25
7,008	8,986	11,422	5,426	8,377	10,192	11,017	71,3
7,545	9,266	10,214	7,557	8,233	9,945	11,052	71,35
7,581	9,722	9,717	10,753	8,521	9,909	11,017	71,4
7,294	11,018	8,864	11,321	8,197	9,733	10,912	71,45
7,080	10,878	8,615	11,073	8,233	9,486	10,876	71,5
6,686	9,617	7,940	10,114	7,440	9,451	10,841	71,55
6,650	9,617	7,833	9,368	7,332	9,627	10,876	71,6
6,615	10,948	7,264	9,084	6,611	9,486	10,947	71,65
6,436	11,123	6,660	9,723	7,620	9,592	11,017	71,7
6,937	12,139	6,163	9,404	7,584	9,592	11,122	71,75
7,259	12,384	6,945	8,516	7,584	9,486	11,298	71,8
6,829	12,104	6,767	8,480	7,008	9,451	11,298	71,85
6,758	10,808	6,305	8,090	6,828	9,768	11,369	71,9
6,650	10,632	5,736	8,516	6,647	9,662	11,298	71,95
6,901	10,527	6,127	8,906	7,656	9,733	11,298	72
7,616	10,247	8,331	7,379	7,801	9,909	11,263	72,05
7,724	10,142	10,676	7,131	7,837	9,698	11,333	72,1
7,044	8,951	11,280	4,041	8,377	9,698	11,263	72,15
7,223	9,476	12,062	5,355	8,377	9,768	11,228	72,2
7,080	10,457	11,138	4,609	8,413	9,803	11,193	72,25
7,151	10,667	10,143	6,882	8,125	10,050	11,158	72,3
6,650	10,422	10,036	7,592	7,440	10,333	11,228	72,35
7,294	9,336	9,645	8,232	6,792	10,721	11,228	72,4
7,688	9,582	9,112	9,297	7,224	10,756	11,158	72,45
6,972	10,142	9,717	9,404	6,647	10,686	11,193	72,5
7,795	9,932	7,371	11,286	7,080	10,756	11,298	72,55
7,974	10,247	6,483	9,723	7,801	10,121	11,439	72,6
7,402	11,228	6,198	8,835	7,152	9,945	11,439	72,65
7,151	11,648	5,878	8,729	7,801	9,521	11,193	72,7
7,187	10,808	5,807	8,942	7,548	9,451	10,912	72,75
6,436	9,967	4,741	8,267	7,152	9,486	10,736	72,8
5,971	10,282	2,751	6,598	8,269	9,627	10,665	72,85
7,151	10,808	3,604	6,634	8,629	9,521	10,736	72,9
6,400	10,878	4,883	5,994	8,485	9,486	10,876	72,95
5,720	11,858	9,183	5,391	7,404	9,627	10,982	73
6,221	11,508	10,960	3,615	8,089	9,839	11,087	73,05
6,865	10,948	8,366	3,011	8,233	9,698	11,158	73,1
8,439	10,107	8,650	4,148	5,855	9,556	11,193	73,15
8,976	9,827	9,432	4,006	9,891	9,662	11,228	73,2
8,081	9,827	9,183	5,391	11,080	9,627	11,087	73,25
6,865	8,776	8,970	7,273	11,549	9,839	11,017	73,3
6,686	8,286	9,219	8,480	11,044	9,909	10,912	73,35
6,686	8,145	10,036	5,533	11,008	9,945	10,876	73,4
7,115	7,165	11,067	5,746	11,837	9,839	10,876	73,45
7,509	9,056	10,996	6,172	12,774	9,627	10,947	73,5
7,294	10,037	10,534	4,929	12,557	9,380	11,017	73,55
7,151	9,301	10,321	6,634	12,413	9,274	11,158	73,6
7,545	8,671	9,717	8,090	11,549	9,274	11,122	73,65
7,581	8,986	10,321	7,486	10,900	9,168	11,087	73,7

8,010	9,792	9,183	8,480	11,188	9,063	11,052	73,75
8,332	9,441	8,757	8,800	11,188	8,675	11,017	73,8
7,616	10,878	8,473	11,747	11,008	8,675	10,947	73,85
6,615	11,403	7,798	11,783	11,152	8,639	10,806	73,9
7,223	11,648	6,092	11,996	11,080	8,745	10,736	73,95
7,115	11,298	6,127	10,362	11,044	8,710	10,665	74
6,221	12,209	5,878	9,759	10,972	9,310	10,630	74,05
6,829	13,049	5,061	8,374	10,972	9,380	10,665	74,1
6,758	13,014	4,066	7,060	10,467	9,556	10,806	74,15
6,722	12,209	4,457	6,776	9,638	9,698	10,841	74,2
7,509	11,368	6,518	6,065	9,062	9,698	10,912	74,25
7,044	10,597	8,615	3,082	8,197	9,768	10,841	74,3
7,795	9,687	8,153	5,071	8,413	9,768	10,771	74,35
7,115	9,441	7,726	6,420	8,954	9,909	10,665	74,4
6,615	9,091	8,899	4,893	9,494	9,909	10,595	74,45
6,364	8,811	9,361	5,178	9,062	9,980	10,560	74,5
6,758	8,706	8,188	5,604	9,314	10,050	10,525	74,55
7,652	9,476	11,955	5,533	9,386	10,192	10,560	74,6
7,294	9,547	10,925	5,746	9,062	10,403	10,595	74,65
6,507	9,757	10,214	7,344	8,089	10,297	10,701	74,7
7,008	9,336	9,539	6,563	7,945	10,262	10,736	74,75
6,436	10,737	8,224	7,735	7,584	10,121	10,841	74,8
7,151	10,808	7,442	9,048	8,377	9,909	10,876	74,85
6,364	11,578	7,655	9,368	8,233	9,768	10,806	74,9
7,080	11,508	6,376	9,865	8,449	9,592	10,665	74,95
7,938	11,718	6,056	7,095	7,909	9,345	10,525	75
7,509	11,263	5,132	8,551	7,801	9,415	10,454	75,05
7,259	11,158	4,990	7,770	8,089	9,662	10,419	75,1
7,581	10,632	4,137	6,172	7,620	9,839	10,560	75,15
7,581	9,827	4,315	6,065	8,521	9,945	10,665	75,2
7,080	10,072	4,599	6,456	9,927	10,050	10,841	75,25
6,221	9,301	4,812	6,847	8,197	10,050	10,876	75,3
6,507	9,687	8,864	4,183	6,287	9,909	10,912	75,35
6,865	10,107	12,133	3,651	5,026	9,839	10,876	75,4
7,008	11,928	12,062	2,479	6,395	9,874	10,771	75,45
7,437	12,979	13,093	2,017	8,089	9,768	10,701	75,5
7,008	12,209	11,564	0,490	7,044	9,803	10,630	75,55
7,115	10,702	12,240	2,159	8,089	9,839	10,595	75,6
6,722	9,897	10,143	2,443	7,873	9,909	10,595	75,65
7,187	10,212	9,823	7,166	8,089	9,874	10,736	75,7
6,615	9,266	9,219	6,065	8,269	10,227	10,876	75,75
6,829	9,967	9,219	8,764	7,440	10,544	10,982	75,8
7,437	9,441	9,930	9,901	8,377	10,544	10,982	75,85
6,758	9,196	10,676	6,527	8,521	10,615	10,947	75,9
6,543	9,336	10,534	4,290	7,873	10,686	10,912	75,95
7,080	10,177	10,356	5,462	7,296	10,862	10,806	76
7,294	10,808	10,605	5,675	7,945	11,038	10,771	76,05
7,080	11,193	10,712	6,349	9,530	11,038	10,806	76,1
7,223	10,808	10,107	7,806	8,774	11,109	10,841	76,15
7,080	10,527	10,143	7,273	7,909	11,144	10,841	76,2
7,867	9,687	9,183	7,060	7,692	11,144	10,912	76,25
7,151	10,177	7,869	7,770	7,116	11,215	10,947	76,3
6,829	10,107	6,447	9,546	7,440	11,426	11,017	76,35
6,615	9,897	5,985	11,996	8,053	10,968	10,982	76,4
6,722	8,986	5,914	10,327	7,765	10,686	10,841	76,45

7,008	10,808	6,127	10,824	7,981	10,862	10,736	76,5
7,008	12,139	6,873	9,972	7,873	10,862	10,701	76,55
7,437	10,948	6,802	9,546	8,233	10,932	10,736	76,6
6,758	10,247	6,447	8,409	8,161	10,756	10,806	76,65
6,579	9,722	6,234	8,054	7,692	10,544	10,876	76,7
7,080	9,862	6,021	6,811	8,017	10,403	10,982	76,75
7,259	10,212	7,264	6,349	7,260	10,368	10,947	76,8
7,080	10,177	8,579	4,965	8,485	10,333	10,912	76,85
7,294	9,582	11,138	5,391	8,269	10,262	10,876	76,9
6,722	8,951	11,422	4,609	8,125	10,086	10,806	76,95
6,937	8,986	11,493	4,254	8,125	10,050	10,806	77
6,543	10,667	10,712	3,579	8,701	10,015	10,841	77,05
6,650	9,371	10,640	4,290	7,801	9,909	10,841	77,1
7,151	10,212	9,326	6,811	8,593	9,556	10,876	77,15
6,221	9,617	8,722	7,735	9,098	10,015	10,876	77,2
6,543	10,037	8,082	8,409	10,035	10,262	11,017	77,25
6,722	10,142	7,940	8,125	9,242	10,615	11,052	77,3
6,114	9,967	7,264	7,415	9,819	-10,192	11,017	77,35
6,293	10,527	7,193	8,125	8,954	9,627	10,947	77,4
6,328	11,018	7,122	9,048	8,593	9,415	10,876	77,45
6,114	10,772	7,726	9,048	9,422	9,556	10,806	77,5
6,293	10,948	7,122	9,759	9,242	9,451	10,771	77,55
6,865	10,527	7,442	7,592	8,810	9,733	10,736	77,6
6,364	9,792	6,447	9,226	8,701	9,662	10,841	77,65
6,114	11,228	7,158	7,806	8,810	9,839	10,982	77,7
6,436	9,722	9,006	7,060	8,305	9,803	11,193	77,75
6,221	10,597	8,686	7,060	9,638	9,874	11,228	77,8
5,935	10,562	8,686	5,568	9,819	9,980	11,158	77,85
6,722	9,897	7,584	6,705	11,981	10,050	11,158	77,9
6,937	9,757	7,229	5,462	9,819	9,945	10,947	77,95
7,115	9,301	7,087	6,207	8,557	9,909	10,912	78
6,615	9,196	7,726	5,320	9,350	9,909	10,876	78,05
7,008	9,547	9,468	6,101	8,665	10,121	10,876	78,1
6,364	9,511	10,392	5,462	9,206	10,192	10,876	78,15
6,078	10,107	10,143	4,396	9,314	10,333	10,912	78,2
6,722	10,107	9,006	4,716	9,026	10,368	10,876	78,25
6,364	11,438	8,188	6,207	8,990	10,439	10,876	78,3
7,080	11,158	7,655	6,634	9,314	10,580	10,982	78,35
7,402	10,142	6,483	7,344	8,413	10,580	11,017	78,4
7,080	9,792	6,554	7,770	8,629	10,580	10,982	78,45
7,080	10,212	6,163	7,983	9,062	10,615	10,876	78,5
7,008	10,667	7,087	8,125	8,665	10,756	10,771	78,55
7,187	9,792	8,402	7,699	8,738	10,756	10,736	78,6
6,758	9,967	8,935	7,379	9,675	10,686	10,806	78,65
6,507	10,247	8,544	6,492	10,720	10,474	10,876	78,7
6,901	11,438	7,940	5,497	11,008	10,262	10,876	78,75
6,436	11,088	8,437	5,888	10,431	10,227	10,806	78,8
6,686	10,808	8,473	6,136	9,026	10,192	10,736	78,85
6,686	10,878	8,188	7,486	9,134	10,262	10,806	78,9
6,829	9,757	9,432	7,202	9,026	10,403	10,876	78,95
7,008	9,336	9,788	7,060	8,665	10,474	10,841	79
6,650	9,476	10,498	6,243	7,729	10,262	10,876	79,05
6,507	9,091	10,214	4,183	7,440	9,909	10,947	79,1
6,865	9,757	10,178	4,787	8,305	9,768	11,122	79,15
6,758	10,002	10,427	7,095	8,774	9,733	11,122	79,2

6,507	10,632	10,321	7,273	8,882	9,768	11,052	79,25
6,937	9,722	10,498	7,628	8,738	9,662	10,841	79,3
6,901	10,177	9,361	9,190	8,665	9,733	10,595	79,35
6,722	10,422	10,072	9,901	8,521	10,050	10,454	79,4
7,473	10,037	8,650	10,256	8,846	10,368	10,454	79,45
7,115	9,757	7,300	12,032	8,738	10,403	10,630	79,5
6,436	10,037	5,701	10,753	8,449	10,333	10,701	79,55
7,509	10,247	5,452	13,132	7,404	10,262	10,806	79,6
7,366	10,387	5,417	11,641	7,873	10,192	10,771	79,65
7,509	10,527	4,919	10,789	7,224	10,156	10,665	79,7
7,509	11,508	4,848	9,688	6,828	9,909	10,665	79,75
6,400	10,247	5,239	9,190	5,602	10,509	10,736	79,8
6,615	11,963	6,127	9,262	6,071	10,544	10,736	79,85
6,615	12,699	5,772	7,628	7,080	10,827	10,771	79,9
6,722	12,384	5,310	4,716	6,323	10,333	10,736	79,95
6,293	11,508	6,447	5,142	7,837	10,050	10,665	80
6,436	11,718	6,873	4,822	9,602	9,945	10,665	80,05
6,293	10,562	7,833	3,864	9,170	10,050	10,701	80,1
6,436	10,597	7,726	2,621	6,467	10,192	10,701	80,15
6,579	10,597	8,722	2,798	6,864	10,333	10,736	80,2
6,293	9,687	8,935	3,082	5,494	10,297	10,771	80,25
7,008	9,441	9,077	3,402	5,278	10,227	10,736	80,3
7,151	8,145	12,417	3,793	5,530	10,156	10,736	80,35
7,402	9,336	11,742	4,574	6,575	10,192	10,806	80,4
7,795	8,496	11,422	5,355	6,792	10,156	10,806	80,45
7,831	8,776	10,996	6,989	8,918	10,050	10,806	80,5
7,688	9,476	11,031	7,770	8,557	10,156	10,736	80,55
7,259	11,158	10,925	7,983	8,918	10,474	10,630	80,6
6,579	11,438	9,183	9,581	8,810	10,580	10,560	80,65
6,436	10,702	8,046	8,942	9,170	10,862	10,525	80,7
7,151	12,559	6,092	8,835	10,179	11,250	10,560	80,75
6,293	13,014	4,031	10,220	8,954	11,003	10,595	80,8
7,008	14,836	2,360	9,688	9,530	10,333	10,630	80,85
7,044	14,030	3,604	8,587	8,701	10,721	10,595	80,9
7,831	13,960	2,645	10,256	9,927	10,333	10,595	80,95
6,972	11,648	4,102	8,125	9,422	10,050	10,595	81
7,330	10,843	8,082	5,959	9,422	10,086	10,595	81,05
7,402	10,037	8,686	6,847	9,927	10,121	10,595	81,1
7,437	9,827	9,752	4,858	10,251	10,333	10,525	81,15
7,115	9,126	11,422	3,615	9,566	10,333	10,419	81,2
7,366	9,547	12,204	3,864	8,774	10,121	10,384	81,25
7,795	9,547	13,484	3,366	9,422	10,121	10,349	81,3
7,402	8,846	13,555	3,828	9,314	10,262	10,349	81,35
7,330	9,897	13,910	5,213	8,738	10,262	10,419	81,4
7,187	10,177	12,204	6,527	8,593	10,086	10,490	81,45
7,724	9,547	12,453	8,871	9,098	9,698	10,595	81,5
6,794	9,126	11,813	9,297	9,242	9,451	10,701	81,55
7,294	9,617	10,498	10,966	9,242	9,627	10,841	81,6
6,937	10,527	9,432	11,783	8,197	9,698	10,912	81,65
7,437	12,384	10,001	10,753	6,575	9,945	10,947	81,7
7,330	11,368	9,255	9,439	8,774	10,086	10,912	81,75
7,437	11,158	8,437	10,931	8,305	10,192	10,876	81,8
7,294	9,967	6,945	12,884	8,665	9,909	10,806	81,85
7,867	9,617	6,092	12,316	8,089	9,662	10,806	81,9
7,759	10,212	7,620	12,635	8,665	9,556	10,806	81,95

7,187	10,597	8,260	10,789	8,521	9,592	10,876	82
7,509	10,527	8,082	10,469	8,990	9,698	10,876	82,05
7,724	11,508	8,402	9,723	8,449	9,874	10,982	82,1
7,151	12,489	7,122	8,835	8,413	9,909	11,017	82,15
7,223	11,998	6,163	9,190	8,449	9,451	11,158	82,2
7,473	10,948	5,985	9,368	8,629	9,274	11,228	82,25
7,616	10,282	5,594	8,551	8,665	9,274	11,193	82,3
7,330	10,212	5,417	8,303	9,422	9,063	11,158	82,35
7,294	10,808	4,919	7,486	9,638	9,274	11,158	82,4
8,046	10,702	7,584	7,628	10,071	9,556	11,017	82,45
7,080	10,948	8,331	5,142	9,494	9,521	10,947	82,5
6,257	11,508	7,762	3,224	8,089	9,098	10,912	82,55
6,185	11,368	8,473	3,189	3,981	9,274	10,912	82,6
6,150	10,177	8,508	3,579	9,386	9,345	10,947	82,65
6,686	10,948	8,224	4,929	7,909	9,133	10,947	82,7
6,615	11,438	7,869	6,456	7,873	9,486	10,947	82,75
6,543	11,788	7,869	6,278	8,377	10,333	11,052	82,8
7,044	10,843	8,579	6,420	7,512	9,839	11,193	82,85
7,652	10,843	9,006	5,781	7,188	9,803	11,228	82,9
8,081	10,387	8,188	4,751	6,719	10,121	11,158	82,95
7,437	9,511	7,300	4,006	8,413	9,980	11,017	83
7,151	9,476	5,630	4,787	8,846	9,909	10,806	83,05
6,507	9,547	5,594	5,533	7,044	10,050	10,665	83,1
6,364	9,126	7,904	6,172	7,260	10,297	10,665	83,15
6,078	10,913	9,788	6,456	6,900	10,650	10,841	83,2
6,579	11,193	8,295	5,355	7,080	10,544	10,982	83,25
6,794	10,808	8,366	6,420	6,539	10,403	11,052	83,3
6,722	9,652	9,219	5,426	7,224	10,333	11,122	83,35
6,507	9,441	8,935	6,420	6,792	9,486	11,158	83,4
6,579	9,897	7,798	6,349	6,071	10,050	11,158	83,45
7,581	9,266	7,726	6,776	6,143	10,050	11,017	83,5
7,652	9,792	8,295	6,634	7,116	10,192	10,912	83,55
7,259	10,808	8,366	7,131	8,485	10,333	10,841	83,6
6,865	9,897	9,788	5,604	8,161	10,932	10,806	83,65
6,650	10,177	9,006	6,776	9,170	10,580	10,806	83,7
7,223	10,247	9,006	4,965	7,584	10,192	10,876	83,75
6,722	11,368	9,112	6,492	8,701	10,403	10,982	83,8
6,972	12,069	8,757	5,852	8,341	10,262	11,052	83,85
6,579	12,769	7,229	7,663	7,080	10,227	11,122	83,9
6,472	11,648	6,376	6,705	6,864	10,227	11,158	83,95
6,293	11,648	6,127	6,776	6,936	10,192	11,087	84
6,758	10,317	6,412	8,480	7,044	10,227	11,087	84,05
6,794	9,967	6,873	7,131	7,224	10,262	11,052	84,1
6,436	9,827	8,722	6,456	7,873	10,086	10,947	84,15
6,650	9,722	11,031	6,136	8,954	9,909	10,876	84,2
6,972	9,897	12,773	5,249	8,846	9,980	10,806	84,25
6,543	9,406	12,986	4,538	9,242	10,086	10,841	84,3
6,829	10,247	11,209	6,811	8,485	10,262	10,947	84,35
6,865	9,547	10,392	6,065	8,521	10,262	11,052	84,4
6,436	10,247	9,290	7,131	8,233	10,333	11,158	84,45
6,543	11,298	8,402	7,628	8,377	10,156	11,298	84,5
6,400	11,648	8,331	9,297	8,089	9,733	11,369	84,55
7,259	11,683	7,833	10,220	8,269	9,204	11,298	84,6
7,402	11,648	6,554	9,830	8,161	9,415	11,228	84,65
7,151	11,193	5,594	8,942	8,017	9,556	11,158	84,7

8,081	12,629	6,198	7,628	8,089	10,050	10,947	84,75
7,151	10,387	6,625	8,693	8,053	9,945	10,806	84,8
7,044	9,932	6,554	8,658	6,792	9,768	10,771	84,85
6,722	9,967	6,198	6,492	7,224	10,333	10,912	84,9
6,400	10,457	7,798	6,172	8,089	10,333	11,052	84,95
6,650	11,088	8,153	6,065	7,548	10,333	11,228	85
6,972	11,228	8,224	4,396	6,936	10,333	11,369	85,05
7,366	11,928	8,473	4,361	7,548	10,156	11,439	85,1
7,581	11,613	8,046	5,071	6,936	9,803	11,369	85,15
7,509	11,368	7,762	4,467	6,719	9,945	11,298	85,2
7,509	10,527	7,300	4,219	6,431	10,050	11,122	85,25
7,545	9,371	7,371	5,781	6,359	9,980	11,087	85,3
7,509	9,231	7,229	6,385	6,503	9,556	11,052	85,35
7,044	9,126	6,909	5,355	7,909	9,627	11,017	85,4
7,437	9,547	7,087	4,574	7,729	9,698	11,122	85,45
6,937	9,792	11,209	4,787	7,729	9,627	11,158	85,5
6,972	10,142	12,346	5,568	6,539	9,874	11,228	85,55
6,543	10,422	11,813	5,426	7,945	9,451	11,369	85,6
7,545	10,002	11,529	4,858	7,801	9,698	11,439	85,65
8,010	9,266	11,493	5,852	7,152	10,368	11,439	85,7
7,509	11,018	10,036	5,923	7,548	10,756	11,439	85,75
8,117	9,827	9,041	6,101	8,161	10,262	11,404	85,8
6,794	8,776	7,904	5,994	7,008	10,121	11,369	85,85
6,078	7,795	7,478	11,605	9,386	10,015	11,333	85,9
6,722	9,441	6,767	9,119	11,044	9,945	11,298	85,95
6,579	10,247	6,945	8,267	10,107	10,121	11,298	86
6,758	10,072	6,376	8,161	8,485	9,945	11,298	86,05
6,901	12,139	5,594	7,060	11,332	9,909	11,439	86,1
7,187	12,314	5,736	6,776	8,738	9,980	11,509	86,15
7,080	10,352	4,670	6,669	7,512	9,768	11,650	86,2
7,724	10,317	5,807	7,131	7,729	9,733	11,720	86,25
7,187	9,687	5,097	5,391	7,837	9,698	11,826	86,3
8,689	9,091	4,493	6,634	8,269	9,698	11,861	86,35
7,652	9,617	6,447	4,645	7,512	9,486	11,826	86,4
7,437	10,597	11,209	4,645	9,278	9,592	11,790	86,45
7,437	9,266	11,493	4,787	8,701	9,451	11,755	86,5
6,400	10,317	12,204	2,621	9,278	9,592	11,755	86,55
7,115	10,072	10,676	4,858	8,665	9,874	11,720	86,6
6,829	11,368	9,077	5,781	8,774	8,710	11,650	86,65
6,472	11,018	8,722	5,568	8,341	9,133	11,755	86,7
6,937	11,963	7,620	6,634	8,774	8,780	11,826	86,75
6,579	11,963	7,264	8,196	8,629	8,604	11,826	86,8
6,615	11,263	7,478	7,912	9,675	8,533	11,720	86,85
7,115	10,352	6,909	7,770	10,251	8,745	11,333	86,9
6,865	10,527	6,838	7,628	10,684	8,533	10,912	86,95
7,724	9,967	6,660	6,634	10,467	8,569	10,595	87
7,044	9,126	8,153	6,065	10,539	8,780	10,349	87,05
7,509	9,617	8,295	5,639	9,927	9,345	10,173	87,1
7,330	8,916	9,681	4,822	9,314	8,816	10,384	87,15
7,473	9,371	10,498	4,965	8,449	9,133	10,630	87,2
7,581	10,317	9,859	5,746	8,305	8,780	10,841	87,25
6,937	10,527	8,935	6,776	8,485	9,027	10,876	87,3
7,080	11,368	9,610	7,344	9,783	9,027	10,982	87,35
7,294	11,123	8,260	7,699	5,927	8,921	11,087	87,4
7,652	10,387	7,869	7,983	7,044	9,204	11,122	87,45

7,330	10,107	6,980	8,232	8,269	9,592	11,158	87,5
7,795	11,333	7,335	7,735	8,738	9,733	11,298	87,55
7,115	10,422	6,945	8,835	8,089	10,015	11,298	87,6
6,901	10,632	7,122	7,592	8,053	9,909	10,982	87,65
6,293	9,126	7,869	6,989	8,377	9,698	10,736	87,7
6,472	10,177	8,686	5,497	8,377	9,521	10,736	87,75
6,937	11,928	9,041	5,142	7,008	9,486	10,665	87,8
7,902	12,489	8,793	3,189	6,359	9,415	10,525	87,85
8,153	11,578	8,793	4,006	5,350	9,063	10,736	87,9
7,724	11,508	8,757	5,000	5,710	9,380	10,595	87,95
7,151	9,862	8,473	6,776	6,359	9,345	10,595	88
6,472	8,846	7,371	7,379	6,936	9,098	10,525	88,05
6,794	9,827	8,295	7,770	6,756	8,921	10,490	88,1
6,436	10,422	7,513	7,557	6,503	9,027	10,560	88,15
6,794	11,193	9,503	6,918	7,152	9,274	10,665	88,2
7,151	11,823	11,209	6,065	8,089	9,556	10,806	88,25
7,437	9,687	10,712	5,462	7,512	9,345	10,947	88,3
7,938	9,091	10,036	5,533	8,557	9,945	10,947	88,35
7,402	8,671	9,965	6,634	6,359	10,192	10,982	88,4
7,330	8,426	10,534	5,497	7,044	10,121	10,982	88,45
7,115	9,406	10,996	6,492	7,837	9,556	10,982	88,5
6,865	9,652	9,610	6,776	7,765	9,662	10,876	88,55
6,722	11,368	9,006	9,048	8,774	9,486	10,736	88,6
7,831	12,489	8,011	10,540	7,332	9,874	10,525	88,65
7,581	11,788	6,696	9,048	9,134	8,428	10,595	88,7
6,901	11,788	6,234	9,723	8,918	9,168	10,630	88,75
7,259	11,473	5,488	9,581	10,576	9,380	10,630	88,8
6,686	10,527	4,564	9,510	10,828	9,274	10,595	88,85
7,151	11,333	4,883	8,977	10,107	9,451	10,630	88,9
7,545	10,597	6,056	8,693	9,530	9,556	10,701	88,95
7,080	11,053	8,046	8,551	9,098	9,874	10,806	89
7,366	11,508	9,610	7,770	8,954	9,980	10,876	89,05
7,437	11,018	10,143	7,095	9,314	10,121	10,982	89,1
7,724	10,562	9,326	5,249	6,215	10,227	11,017	89,15
7,294	9,792	10,250	5,142	7,008	10,227	10,947	89,2
7,115	10,457	10,463	6,278	7,656	10,086	10,947	89,25
7,259	10,808	10,498	5,639	9,278	9,415	10,912	89,3
6,579	10,247	10,214	6,385	8,197	9,063	10,876	89,35
5,863	10,632	10,107	6,527	7,512	8,957	10,876	89,4
6,722	12,664	9,290	8,764	7,404	8,886	10,876	89,45
7,294	11,928	8,793	6,953	7,224	9,168	10,876	89,5
6,829	11,123	8,260	5,710	6,359	9,133	11,052	89,55
7,437	11,088	9,219	7,628	7,801	9,274	11,263	89,6
7,044	10,282	9,219	6,705	7,296	9,274	11,298	89,65
6,758	10,422	8,046	6,172	7,837	9,486	11,298	89,7
7,437	10,072	6,305	7,060	8,161	9,627	10,912	89,75
7,652	9,021	5,026	7,202	8,233	9,733	10,806	89,8
7,616	10,702	7,726	8,196	8,954	9,803	10,665	89,85
8,546	11,088	9,930	7,699	8,593	9,768	10,595	89,9
7,724	11,753	11,280	7,841	7,765	9,768	10,595	89,95
8,475	11,648	11,138	5,533	7,080	9,839	10,419	90
7,437	12,034	9,930	9,297	8,377	9,839	10,454	90,05
7,151	11,648	9,006	8,977	8,593	9,909	10,595	90,1
6,722	11,648	9,326	7,983	8,125	9,909	10,806	90,15
6,794	11,718	8,153	6,314	8,593	10,050	11,017	90,2

7,724	12,559	6,376	4,325	9,494	9,909	10,876	90,25
6,865	15,081	4,386	9,368	9,386	10,086	10,876	90,3
6,794	14,906	3,355	9,617	9,242	10,686	10,806	90,35
7,223	15,221	5,381	8,480	9,278	10,897	10,947	90,4
7,795	14,486	5,843	6,918	8,738	11,426	10,841	90,45
7,867	12,804	5,097	7,379	8,774	11,321	10,806	90,5
7,259	11,508	3,071	9,404	8,774	11,426	10,876	90,55
6,758	11,228	4,244	8,480	8,449	11,391	10,947	90,6
7,616	11,228	7,691	6,918	8,125	11,285	10,947	90,65
7,294	10,387	8,188	7,060	8,197	10,721	10,876	90,7
7,759	11,228	10,925	5,320	8,017	10,509	11,017	90,75
7,938	10,632	11,742	5,142	9,386	10,403	11,017	90,8
7,581	8,706	13,022	5,107	10,828	10,262	11,017	90,85
7,652	9,231	15,616	4,538	10,756	9,980	10,947	90,9
8,403	9,406	15,047	6,172	11,729	9,733	10,876	90,95
7,831	8,040	12,346	5,959	10,071	9,733	10,947	91
7,366	8,426	12,133	8,125	8,846	9,556	11,017	91,05
6,507	9,021	9,681	9,333	9,242	9,274	11,158	91,1
6,293	8,636	9,361	9,972	9,819	9,345	11,228	91,15
7,151	12,279	8,579	8,871	10,107	9,063	11,298	91,2
6,293	11,018	9,112	13,523	10,467	9,345	11,369	91,25
6,722	10,247	7,833	14,553	9,819	10,121	11,298	91,3
7,652	9,827	6,376	14,446	9,927	10,403	11,193	91,35
8,332	9,897	5,523	11,925	9,783	10,368	11,017	91,4
8,546	10,527	8,117	12,138	10,359	10,227	10,806	91,45
8,010	9,547	7,371	9,297	9,819	10,403	10,736	91,5
6,937	11,018	7,442	8,693	8,954	10,156	10,630	91,55
6,472	9,687	6,518	7,948	8,521	9,839	10,771	91,6
6,722	9,827	3,888	7,877	8,125	9,733	10,876	91,65
6,472	11,438	6,092	7,770	8,017	9,451	10,841	91,7
6,293	13,365	5,843	8,587	7,945	9,204	10,876	91,75
6,579	15,291	5,203	6,563	8,485	9,063	10,806	91,8
6,507	15,431	5,097	6,776	8,918	8,921	10,806	91,85
7,080	13,119	7,016	5,568	8,774	9,098	10,736	91,9
7,080	12,244	7,798	4,609	8,738	9,204	10,701	91,95
7,115	11,508	7,584	3,224	9,026	9,063	10,665	92
6,901	11,053	10,925	1,449	9,458	9,098	10,665	92,05
6,472	10,492	13,022	3,153	9,566	9,063	10,736	92,1
6,543	10,702	11,884	3,366	9,638	9,168	10,736	92,15
6,722	9,897	11,067	6,669	9,458	9,274	10,806	92,2
6,364	10,142	14,940	7,131	9,638	9,274	10,771	92,25
6,901	9,406	14,621	6,847	9,783	9,345	10,771	92,3
6,472	9,371	13,697	7,770	9,747	9,627	10,701	92,35
6,722	10,177	11,031	8,800	10,107	9,627	10,736	92,4
6,436	9,687	11,991	10,398	9,891	9,733	10,806	92,45
6,972	10,247	9,432	13,736	10,323	9,521	10,947	92,5
7,080	11,088	9,752	11,889	9,278	9,592	11,017	92,55
7,330	10,527	8,864	12,813	10,179	9,345	10,947	92,6
6,579	10,142	9,432	13,843	10,143	9,521	10,806	92,65
7,759	10,352	8,473	13,523	9,638	9,768	10,806	92,7
6,901	10,702	7,726	13,132	9,062	10,050	10,736	92,75
6,650	10,387	7,940	9,936	8,521	10,121	10,771	92,8
6,722	10,597	8,011	5,639	8,557	10,262	10,876	92,85
6,758	10,072	8,402	7,237	7,945	10,403	10,947	92,9
6,722	10,843	8,046	10,220	7,945	10,615	11,017	92,95

7,008	11,543	8,331	9,368	7,765	10,686	11,017	93
6,185	12,559	8,722	8,551	7,909	10,791	11,017	93,05
6,436	11,648	7,869	7,770	7,548	10,686	11,017	93,1
6,615	11,648	6,269	6,669	6,972	10,897	10,947	93,15
6,829	11,508	5,772	7,131	7,512	11,038	10,947	93,2
6,436	10,247	5,772	6,953	8,161	11,215	10,982	93,25
6,472	10,177	6,269	7,060	8,774	11,109	11,017	93,3
7,366	10,212	7,335	6,918	8,125	11,321	11,017	93,35
7,259	11,298	8,260	6,030	8,557	11,426	11,052	93,4
6,865	10,387	10,321	6,172	8,954	11,462	11,017	93,45
6,722	11,823	9,681	5,355	9,566	11,391	11,158	93,5
6,078	12,524	9,219	6,527	8,774	11,109	11,228	93,55
6,829	13,190	8,650	6,634	8,990	10,862	11,298	93,6
6,722	13,610	8,722	7,628	8,629	10,544	11,193	93,65
6,257	12,629	7,655	7,912	8,774	10,121	11,087	93,7
6,293	12,419	7,122	9,333	8,701	9,980	11,017	93,75
5,828	11,718	6,660	7,557	9,170	10,050	10,912	93,8
7,437	10,107	5,950	7,379	9,675	10,050	10,912	93,85
7,938	10,527	8,864	5,036	8,954	10,227	10,982	93,9
7,545	10,177	9,503	4,219	8,774	10,297	11,158	93,95
6,794	8,951	9,717	4,077	9,242	10,439	11,158	94
6,686	8,286	9,077	4,503	9,242	10,615	11,158	94,05
6,758	9,336	11,635	6,456	8,918	10,686	11,017	94,1
6,150	12,979	11,600	8,693	9,242	10,791	10,876	94,15
6,507	12,769	12,097	7,060	9,278	10,615	10,947	94,2
6,328	14,556	8,402	6,385	9,783	10,686	10,806	94,25
6,650	13,330	9,290	5,817	8,593	10,439	10,701	94,3
7,437	11,508	10,178	7,060	8,341	10,368	10,665	94,35
7,366	9,687	7,584	8,232	8,017	10,368	10,595	94,4
6,865	9,967	6,163	9,830	8,593	10,439	10,525	94,45
6,829	9,722	6,589	10,149	8,521	10,580	10,595	94,5
6,901	9,406	6,873	9,190	8,521	10,756	10,630	94,55
6,436	8,811	8,722	7,806	8,738	10,862	10,630	94,6
6,901	8,356	10,534	5,000	8,882	11,038	10,665	94,65
7,616	8,881	11,600	6,740	8,593	10,827	10,665	94,7
7,509	10,107	11,209	6,527	9,314	10,721	10,736	94,75
7,581	11,053	9,503	6,207	8,017	10,650	10,806	94,8
7,473	10,948	9,503	5,462	8,810	10,544	10,665	94,85
7,402	11,333	8,473	6,847	9,638	10,544	10,630	94,9
7,080	10,737	8,615	7,344	8,846	10,580	10,525	94,95
7,652	11,473	7,335	6,776	10,107	10,474	10,595	95
7,867	11,088	5,843	7,948	9,350	10,403	10,701	95,05
7,223	10,772	5,488	7,166	8,377	10,297	10,736	95,1
7,330	11,438	7,584	7,841	8,413	10,262	10,912	95,15
7,616	12,489	6,802	5,923	8,449	10,297	10,982	95,2
6,829	11,928	6,980	5,000	8,665	10,333	11,052	95,25
6,400	11,823	7,016	5,071	8,701	10,403	11,017	95,3
6,758	12,489	7,904	6,243	8,521	10,262	10,947	95,35
6,865	12,559	7,371	4,751	8,701	10,403	10,806	95,4
6,436	11,648	8,544	4,574	8,990	10,474	10,701	95,45
7,187	11,053	11,493	4,396	9,134	10,474	10,701	95,5
7,294	10,037	11,209	2,692	8,089	10,580	10,806	95,55
8,046	9,266	12,595	3,544	8,738	10,580	10,841	95,6
7,187	8,776	12,133	4,006	10,467	10,544	10,841	95,65
6,543	8,811	12,346	6,492	9,602	10,262	11,087	95,7

6,579	9,371	12,666	10,220	9,675	10,086	11,298	95,75
6,507	9,021	12,559	7,983	9,386	9,733	11,369	95,8
6,937	9,967	12,133	7,841	9,098	9,556	11,333	95,85
7,831	11,858	11,493	8,800	8,774	9,909	11,263	95,9
7,867	12,419	9,681	10,149	8,774	10,333	11,158	95,95
7,652	10,843	8,366	10,078	8,197	10,227	10,982	96
6,758	8,916	7,478	10,149	8,161	10,050	10,876	96,05
6,436	9,652	7,442	9,972	9,026	9,839	10,982	96,1
6,829	9,266	6,234	9,936	7,873	9,980	11,087	96,15
7,294	9,967	6,056	10,185	8,161	10,262	11,158	96,2
6,972	10,387	6,838	9,865	7,224	10,368	11,193	96,25
7,724	10,667	7,335	9,190	6,828	10,192	11,228	96,3
7,545	10,107	6,660	8,267	6,936	10,015	11,228	96,35
6,543	9,336	6,945	8,409	7,620	10,156	11,263	96,4
6,472	10,352	7,193	8,019	7,368	10,192	11,228	96,45
7,437	10,037	6,696	6,776	7,873	10,227	11,158	96,5
7,008	12,034	7,229	6,634	8,485	9,839	11,087	96,55
7,402	11,928	6,340	6,030	6,647	9,980	11,052	96,6
7,509	12,139	7,087	6,385	7,945	9,909	10,982	96,65
7,974	11,648	7,371	5,462	8,161	9,945	10,982	96,7
7,366	10,527	6,021	4,858	8,197	9,874	11,052	96,75
7,509	10,667	5,061	4,787	7,152	9,803	11,158	96,8
7,080	10,212	6,838	5,533	6,359	9,909	11,333	96,85
7,008	9,406	9,219	4,148	6,431	10,015	11,298	96,9
6,972	9,266	10,285	3,047	7,512	9,980	11,298	96,95
7,366	10,247	11,422	3,295	7,296	10,015	11,298	97
7,724	10,527	12,062	3,366	11,044	10,121	11,298	97,05
8,332	9,897	11,529	4,077	8,701	10,192	11,298	97,1
7,437	9,406	10,250	5,746	8,233	10,192	11,263	97,15
8,403	9,792	10,107	7,131	11,008	9,945	11,158	97,2
7,867	10,142	10,925	6,385	10,684	10,333	11,122	97,25
7,616	10,247	8,437	9,510	10,395	10,156	11,122	97,3
7,759	11,088	8,508	9,333	8,990	9,592	11,228	97,35
7,259	12,454	7,407	9,830	9,098	10,227	11,369	97,4
7,652	11,788	7,087	8,977	9,062	9,980	11,439	97,45
6,722	11,123	6,092	9,048	9,314	10,050	11,439	97,5
6,865	12,104	5,381	8,125	9,242	9,909	11,474	97,55
6,865	11,928	5,274	7,486	8,485	9,980	11,439	97,6
7,187	11,648	4,883	6,030	9,386	9,874	11,439	97,65
7,115	11,368	6,589	5,746	8,665	9,874	11,439	97,7
6,972	10,597	8,366	5,852	8,593	9,839	11,439	97,75
6,937	10,247	9,183	6,918	8,305	9,627	11,404	97,8
6,472	10,212	8,117	6,065	8,233	9,592	11,333	97,85
7,080	10,527	7,762	5,675	8,269	9,204	11,298	97,9
7,724	9,932	9,219	6,776	8,161	9,556	11,298	97,95
7,437	9,687	11,991	6,563	8,161	9,310	11,439	98
8,046	9,547	11,635	6,420	8,341	10,086	11,439	98,05
7,902	9,161	11,991	6,207	8,990	9,839	11,439	98,1
7,759	9,406	10,996	7,983	7,332	9,945	11,298	98,15
7,724	8,496	10,321	9,048	7,368	9,874	11,228	98,2
7,115	8,811	10,214	9,190	7,260	9,556	11,228	98,25
7,974	10,282	9,859	9,404	7,404	9,980	11,228	98,3
6,865	12,489	9,610	10,824	7,440	10,050	11,228	98,35
6,865	11,228	8,508	10,717	7,224	10,015	11,193	98,4
6,865	11,928	8,082	11,321	7,044	9,945	11,158	98,45

6,507	12,629	7,229	10,966	7,044	10,050	11,087	98,5
7,187	11,718	5,594	11,108	7,296	10,262	11,052	98,55
7,259	10,948	2,716	11,250	7,909	10,050	11,087	98,6
7,223	11,333	5,132	10,789	7,224	9,627	11,193	98,65
8,439	11,123	6,092	10,717	6,539	9,733	11,298	98,7
7,581	11,018	6,731	9,901	6,287	10,368	11,298	98,75
7,044	10,983	7,691	8,693	6,792	10,439	11,333	98,8
6,472	10,562	7,371	8,871	6,431	10,474	11,228	98,85
6,865	10,177	7,016	7,308	6,647	10,262	11,298	98,9
6,507	11,473	6,412	8,196	6,035	10,121	11,228	98,95
7,831	10,352	6,483	7,663	6,756	10,050	11,298	99
8,010	9,827	6,056	6,776	6,539	10,121	11,228	99,05
7,509	9,792	5,807	6,101	7,656	10,192	11,158	99,1
8,010	10,422	6,696	6,101	7,440	10,192	11,158	99,15
7,330	9,547	7,122	5,213	7,080	10,015	11,298	99,2
7,366	10,983	7,691	3,011	6,792	9,698	11,439	99,25
7,330	10,317	9,645	6,349	7,224	9,627	11,544	99,3
7,616	11,998	8,331	5,639	7,620	9,662	11,650	99,35
6,829	12,139	8,295	5,497	7,368	9,874	11,720	99,4
7,294	12,279	6,625	4,077	7,945	10,192	11,685	99,45
7,080	12,349	6,376	4,006	8,413	10,333	11,650	99,5
7,259	11,998	6,518	4,361	8,161	10,121	11,544	99,55
7,473	12,279	7,051	5,888	7,945	9,839	11,439	99,6
8,260	12,034	7,335	5,213	8,557	9,627	11,298	99,65
8,153	11,543	6,198	5,533	8,449	9,274	11,158	99,7
7,938	10,527	4,955	4,858	8,377	9,063	11,087	99,75
7,759	9,617	5,950	6,705	8,377	8,886	11,087	99,8
7,581	8,986	5,807	5,604	7,981	8,921	11,087	99,85
6,829	10,177	12,062	5,675	8,089	8,851	11,158	99,9
6,972	9,687	14,159	5,142	8,521	8,675	11,158	99,95
7,223	10,913	14,478	1,094	8,377	8,639	11,228	100
6,865	12,454	12,240	2,763	8,629	8,322	11,228	100,05
6,686	11,998	10,178	3,011	8,810	8,181	11,263	100,1
6,722	12,419	9,183	3,793	8,233	8,216	11,087	100,15
7,509	10,387	11,564	8,587	7,656	8,216	10,947	100,2
8,153	10,387	10,676	10,647	7,981	8,216	11,017	100,25
8,403	10,247	11,245	12,493	8,305	8,392	11,017	100,3
8,081	9,862	8,970	12,955	7,584	8,780	11,158	100,35
7,902	9,932	9,041	9,084	8,774	9,098	11,298	100,4
7,294	9,161	7,549	8,693	9,062	9,239	11,298	100,45
7,724	9,862	7,655	7,237	8,810	9,204	11,369	100,5
7,366	8,916	9,397	7,628	8,954	9,274	11,439	100,55
7,902	9,406	11,138	7,131	10,071	9,345	11,439	100,6
8,439	10,247	9,006	7,166	9,783	9,662	11,579	100,65
7,688	9,617	8,970	5,142	8,810	9,627	11,544	100,7
7,724	9,406	8,722	4,787	8,701	9,662	11,474	100,75
7,259	8,636	8,153	5,675	8,089	9,733	11,158	100,8
6,829	8,881	8,793	5,817	4,881	9,909	11,439	100,85
7,151	10,457	7,513	7,237	5,927	10,050	11,158	100,9
7,259	10,878	8,153	8,729	9,963	10,121	11,122	100,95
7,437	12,454	7,869	8,622	9,026	10,227	11,017	101
6,901	14,240	7,655	7,735	9,242	10,474	11,087	101,05
7,437	13,049	7,158	8,658	9,098	10,439	10,876	101,1
7,867	11,508	7,655	8,800	9,242	10,121	10,665	101,15
7,867	10,527	5,594	6,705	9,242	10,121	10,665	101,2

8,725	9,547	4,635	6,456	7,656	9,698	10,630	101,25
8,046	8,986	5,523	6,101	7,837	9,204	10,595	101,3
7,795	9,126	7,975	6,243	8,377	9,733	10,454	101,35
7,366	8,951	9,183	5,426	7,945	9,627	10,419	101,4
7,008	8,461	9,041	4,680	7,909	9,627	10,349	101,45
6,293	9,091	10,463	5,355	7,801	9,274	10,314	101,5
6,436	10,317	9,148	5,426	7,368	8,886	10,314	101,55
6,972	11,263	8,082	5,746	6,359	8,780	10,068	101,6
7,115	12,769	7,407	6,563	7,945	9,274	10,068	101,65
7,509	12,174	8,295	8,125	8,269	9,486	10,033	101,7
7,616	10,808	8,224	9,119	8,882	9,698	10,138	101,75
6,758	10,072	6,873	8,942	7,837	9,980	10,314	101,8
7,151	9,687	5,381	7,592	6,683	10,227	10,454	101,85
7,759	9,897	4,990	7,344	5,566	10,015	10,595	101,9
7,509	11,053	6,589	7,202	7,368	10,050	10,665	101,95
7,366	9,757	8,224	6,172	7,656	9,874	10,630	102
8,260	9,196	9,930	5,923	7,404	9,909	10,560	102,05
7,724	7,515	9,290	6,385	6,936	9,874	10,419	102,1
7,402	9,827	10,392	4,396	7,224	10,262	10,103	102,15
6,794	9,967	8,935	5,781	7,837	10,686	10,244	102,2
5,971	10,878	8,117	4,751	7,476	10,050	10,314	102,25
6,722	11,648	7,940	4,432	6,972	10,474	10,525	102,3
6,364	11,788	6,660	6,456	8,593	10,474	10,384	102,35
6,758	13,014	5,665	6,882	9,314	10,686	10,665	102,4
7,115	13,470	5,807	7,131	9,026	10,686	10,876	102,45
6,722	12,349	6,376	6,847	8,485	10,791	10,912	102,5
7,402	11,123	6,909	6,385	8,377	10,756	10,982	102,55
7,008	10,037	8,260	7,060	7,873	10,297	10,947	102,6
6,543	9,406	6,980	7,877	8,089	10,227	10,912	102,65
6,293	9,336	10,107	6,030	7,801	10,015	10,701	102,7
6,507	9,056	10,605	6,385	8,089	9,980	10,595	102,75
6,615	8,916	10,854	4,432	8,449	9,839	10,419	102,8
7,616	8,496	11,280	5,391	8,954	9,874	10,490	102,85
7,509	8,356	12,844	5,284	9,638	9,909	10,701	102,9
7,759	7,620	11,635	4,645	9,242	9,839	11,122	102,95
7,581	7,165	10,676	6,776	8,197	9,909	11,369	103
8,081	8,321	10,996	8,764	7,584	9,980	11,474	103,05
7,831	7,375	11,102	8,267	7,512	9,980	11,579	103,1
7,330	8,461	10,640	9,865	8,017	9,945	11,509	103,15
7,473	9,582	8,864	8,942	8,233	10,192	11,439	103,2
7,294	9,056	7,975	7,202	7,945	10,297	11,298	103,25
6,507	8,461	7,513	8,232	7,692	10,121	11,158	103,3
6,937	9,091	7,940	9,333	8,017	9,980	10,947	103,35
6,185	12,629	6,554	7,806	8,377	9,874	11,017	103,4
6,150	12,769	5,061	9,901	8,521	9,980	10,982	103,45
6,221	12,104	4,777	8,977	8,521	9,945	11,122	103,5
6,829	11,928	3,995	9,723	7,692	9,733	11,298	103,55
7,151	11,788	3,107	9,119	7,584	9,239	11,579	103,6
7,902	11,648	4,493	7,557	6,683	8,921	11,650	103,65
7,724	11,368	5,203	6,349	6,936	9,239	11,720	103,7
8,439	10,527	6,447	6,065	8,017	9,415	11,615	103,75
7,294	10,002	7,051	5,604	7,548	9,768	11,439	103,8
6,472	8,916	8,046	5,639	7,801	9,980	11,087	103,85
6,400	8,916	7,762	5,604	8,377	10,121	10,806	103,9
7,259	8,566	8,579	4,929	7,729	10,121	10,630	103,95

6,436	8,811	10,569	5,852	7,801	10,015	10,560	104
7,616	11,928	11,422	5,675	7,945	10,121	10,630	104,05
7,724	9,757	10,818	3,473	7,512	10,192	10,806	104,1
7,581	10,072	8,970	4,929	6,972	9,627	10,876	104,15
7,366	8,811	7,158	2,763	7,260	9,627	10,947	104,2
7,223	8,776	7,335	4,929	6,828	9,380	10,806	104,25
7,938	9,301	8,757	6,456	7,080	9,310	10,665	104,3
7,187	9,897	9,006	7,948	7,260	9,415	10,454	104,35
6,937	10,808	9,183	9,013	8,089	9,486	10,244	104,4
6,758	10,667	8,722	6,527	8,125	9,592	10,138	104,45
6,364	11,788	7,478	6,918	7,729	9,592	10,173	104,5
6,650	13,330	7,371	5,462	8,341	9,556	10,419	104,55
6,150	13,680	6,305	6,456	10,503	9,204	10,595	104,6
5,971	14,311	5,736	6,065	9,422	9,486	10,701	104,65
6,293	13,400	5,630	6,456	8,738	9,063	10,595	104,7
6,758	12,069	3,817	5,710	9,422	9,027	10,595	104,75
7,402	12,419	4,031	5,213	8,810	9,486	10,384	104,8
8,260	12,069	5,310	5,462	9,134	9,239	10,173	104,85
8,081	10,702	9,894	4,574	9,638	8,816	10,138	104,9
8,260	10,597	11,351	4,716	9,566	9,662	10,173	104,95
8,189	9,757	11,778	4,645	9,999	9,662	10,244	105
8,439	8,951	13,839	4,787	11,008	9,239	10,314	105,05
7,724	10,387	14,407	6,314	10,107	8,710	10,419	105,1
6,579	8,180	13,874	5,675	9,530	9,204	10,771	105,15
7,080	8,706	11,955	6,420	9,242	9,133	10,736	105,2
6,972	9,231	10,498	8,587	9,711	9,133	10,595	105,25
6,543	10,457	10,072	9,190	9,602	9,310	10,384	105,3
6,436	11,263	10,747	9,404	10,467	9,239	10,384	105,35
7,437	12,034	13,555	9,688	9,458	9,027	10,490	105,4
8,367	10,247	11,209	12,458	9,422	8,816	10,490	105,45
8,546	8,776	9,930	15,867	9,242	8,886	10,419	105,5
9,011	7,235	7,513	13,701	9,891	8,886	10,349	105,55
8,761	7,445	7,300	12,884	10,071	9,098	10,279	105,6
8,189	7,865	5,594	11,073	9,819	9,168	10,244	105,65
8,081	8,776	8,544	9,155	10,251	9,204	10,349	105,7
7,652	8,426	8,650	8,303	9,422	9,415	10,525	105,75
7,581	9,406	8,544	7,521	7,801	9,274	10,560	105,8
7,902	9,827	7,229	6,847	8,593	9,345	10,665	105,85
8,117	13,084	6,234	9,048	9,134	9,204	10,665	105,9
8,582	15,361	6,021	8,587	9,170	9,168	10,595	105,95
8,189	14,100	5,345	8,125	9,530	9,204	10,560	106
7,080	13,750	4,244	7,521	8,954	9,098	10,349	106,05
6,150	10,247	3,213	7,060	8,990	8,921	10,279	106,1
6,293	9,827	1,685	6,385	8,810	8,780	10,244	106,15
6,829	10,808	8,437	6,385	9,206	8,780	10,314	106,2
7,151	11,648	9,681	3,153	8,810	8,921	10,384	106,25
8,403	10,667	9,255	4,538	8,377	9,168	10,525	106,3
8,725	11,263	9,219	3,793	8,701	9,345	10,525	106,35
8,976	10,597	10,001	4,077	8,521	9,239	10,525	106,4
8,833	11,228	10,001	4,858	8,377	9,063	10,560	106,45
8,010	9,757	9,752	5,213	8,593	9,274	10,595	106,5
8,439	9,547	8,402	5,107	8,954	9,415	10,525	106,55
7,831	9,126	7,229	7,877	9,386	8,533	10,454	106,6
7,545	7,935	7,264	8,338	9,638	8,745	10,314	106,65
6,758	8,671	6,696	8,693	8,882	8,639	10,208	106,7

6,937	10,983	9,183	8,374	8,233	8,780	10,033	106,75
6,436	11,613	10,072	6,492	8,557	9,133	10,173	106,8
6,257	14,170	7,655	4,503	8,990	9,345	10,384	106,85
5,899	13,365	8,650	4,751	9,819	9,345	10,525	106,9
6,794	12,979	7,513	4,538	10,107	9,698	10,630	106,95
7,294	12,244	7,371	6,563	10,107	9,803	10,771	107
7,581	10,422	6,376	6,705	9,675	10,403	10,806	107,05
7,437	10,247	5,701	6,563	9,242	10,192	10,841	107,1
6,436	9,617	7,300	7,663	8,485	10,297	10,806	107,15
6,794	9,091	8,935	8,338	8,701	10,897	10,982	107,2
6,615	9,932	8,153	7,273	8,413	10,403	10,912	107,25
6,185	9,161	9,503	7,308	7,440	10,403	11,052	107,3
6,722	8,461	11,813	7,628	8,810	10,439	11,158	107,35
7,187	8,566	13,164	7,806	8,593	10,333	11,158	107,4
7,759	8,776	12,062	7,095	8,377	10,121	11,017	107,45
6,972	8,215	8,864	5,817	8,665	10,086	10,876	107,5
6,579	9,231	11,778	6,278	9,242	10,121	10,771	107,55
6,507	8,706	9,468	6,492	8,377	10,050	10,665	107,6
6,472	9,827	8,935	6,918	8,161	10,156	10,595	107,65
6,364	11,998	10,107	9,830	7,801	10,262	10,771	107,7
7,366	10,913	8,331	9,865	8,017	10,333	10,947	107,75
6,794	10,142	8,366	8,658	8,161	10,192	11,087	107,8
6,150	8,776	6,980	8,764	8,089	10,121	11,298	107,85
7,151	9,266	6,873	8,338	8,413	9,945	11,158	107,9
6,865	9,722	6,518	7,095	8,738	10,050	11,052	107,95
6,293	9,617	6,554	8,054	7,729	10,156	10,876	108
5,542	10,352	7,691	8,480	7,512	10,192	10,841	108,05
6,257	11,193	6,802	8,267	6,936	10,050	10,841	108,1
6,257	12,069	5,914	7,486	7,296	9,945	11,017	108,15
6,615	11,333	5,843	6,776	7,404	9,839	11,193	108,2
6,436	10,142	5,772	6,349	7,008	9,909	11,228	108,25
5,899	9,652	5,417	6,705	7,296	10,121	11,193	108,3
6,650	11,193	4,493	5,000	8,701	10,192	11,158	108,35
6,436	11,158	6,980	4,787	7,512	10,121	11,052	108,4
5,792	10,983	8,011	5,391	7,620	10,086	11,017	108,45
6,794	11,683	8,473	3,508	7,512	10,050	11,017	108,5
7,008	10,247	8,935	1,449	7,656	9,980	11,052	108,55
6,257	10,072	7,940	4,432	8,089	9,980	11,087	108,6
7,294	9,687	8,402	4,751	8,269	10,086	11,158	108,65
6,507	9,476	7,904	4,929	8,990	10,227	11,158	108,7
5,899	9,687	9,965	4,609	8,918	10,333	11,158	108,75
6,436	9,371	10,427	4,432	8,665	10,474	11,158	108,8
6,472	9,476	11,493	5,817	9,062	10,403	11,228	108,85
6,400	10,247	10,640	6,847	8,341	10,474	11,158	108,9
7,080	9,827	9,290	5,391	10,143	10,721	11,122	108,95
6,400	9,476	9,006	4,432	9,783	10,968	11,087	109
6,042	9,476	8,579	5,249	9,819	10,615	11,087	109,05
6,686	10,037	8,437	5,994	9,638	11,321	10,982	109,1
6,150	10,527	8,686	8,516	9,891	11,426	10,912	109,15
5,542	9,547	7,407	8,622	8,521	10,862	10,947	109,2
6,686	10,317	7,300	8,232	8,738	10,791	11,017	109,25
6,650	11,928	6,945	8,054	9,026	10,756	11,052	109,3
6,829	13,225	6,376	8,409	9,278	11,038	10,982	109,35
6,472	12,139	7,726	8,303	8,738	10,827	10,876	109,4
6,472	10,702	7,655	7,450	8,413	10,932	10,876	109,45

6,221	9,897	6,589	5,710	8,557	10,897	10,806	109,5
6,185	10,107	6,518	4,645	8,305	10,968	10,841	109,55
6,722	9,827	8,366	3,651	8,413	10,827	10,912	109,6
7,402	10,667	10,214	4,077	9,602	10,756	11,087	109,65
6,865	8,846	10,356	3,295	10,251	10,544	11,193	109,7
6,650	9,266	12,631	2,585	9,386	10,474	11,193	109,75
6,543	9,476	12,026	5,071	8,305	10,368	11,158	109,8
7,044	9,827	10,356	5,107	8,161	10,050	11,017	109,85
6,865	11,193	9,788	7,557	8,846	9,980	10,806	109,9
6,400	11,403	9,255	10,576	9,314	9,909	10,630	109,95
6,150	11,963	8,544	11,463	7,873	9,980	10,595	110
6,722	11,228	7,513	11,570	8,593	9,980	10,736	110,05
7,151	10,387	6,554	10,789	10,395	10,086	10,876	110,1
7,616	10,667	5,523	9,617	10,900	10,262	11,017	110,15
6,865	8,215	5,630	8,764	10,107	10,544	11,087	110,2
6,293	9,126	6,660	8,551	9,891	10,791	11,158	110,25
6,221	8,706	7,584	7,983	8,990	11,003	11,122	110,3
6,042	8,391	7,940	7,770	8,089	10,968	11,052	110,35
7,437	9,476	8,544	6,278	8,810	10,756	11,017	110,4
6,579	9,827	8,331	6,456	8,810	10,474	10,947	110,45
7,294	10,107	8,082	5,994	9,062	10,333	10,876	110,5
7,688	9,476	8,082	5,994	9,242	10,333	10,771	110,55
7,151	10,072	9,717	6,207	8,485	10,474	10,736	110,6
7,115	10,247	9,503	7,237	7,729	10,474	10,701	110,65
7,581	10,737	7,798	8,729	7,765	10,509	10,736	110,7
6,722	11,648	7,513	7,131	8,233	10,227	10,876	110,75
6,758	11,648	6,589	5,994	10,684	10,368	11,122	110,8
7,151	11,578	8,046	6,492	10,071	10,580	11,369	110,85
6,758	10,702	7,513	4,751	9,278	10,756	11,544	110,9
6,615	10,107	7,478	5,675	8,449	10,580	11,544	110,95
6,758	9,511	6,625	5,817	9,314	10,686	11,439	111
6,615	9,406	6,447	5,746	7,404	10,721	11,298	111,05
7,581	10,597	7,371	6,882	6,900	10,474	11,158	111,1
7,080	9,897	8,295	6,420	9,458	10,121	11,087	111,15
7,366	10,072	9,717	5,639	9,278	9,839	11,087	111,2
7,115	10,107	9,255	5,213	9,278	9,662	11,158	111,25
7,366	11,788	8,402	5,781	9,530	9,415	11,263	111,3
7,223	10,317	7,975	5,852	9,927	9,345	11,369	111,35
7,294	12,349	8,046	5,604	8,521	9,380	11,439	111,4
6,722	11,788	6,873	7,912	8,413	9,768	11,439	111,45
6,436	12,489	6,767	7,166	8,701	10,262	11,509	111,5
6,507	12,174	6,412	6,918	8,774	10,227	11,579	111,55
6,901	11,788	6,873	6,030	8,017	10,368	11,579	111,6
6,722	11,648	8,686	5,284	7,729	10,403	11,650	111,65
7,008	10,352	9,823	4,148	8,701	10,721	11,755	111,7
6,579	9,547	9,503	3,544	5,963	10,333	11,650	111,75
6,472	9,757	10,392	4,361	4,773	9,945	11,439	111,8
6,543	9,336	10,996	4,680	5,746	9,521	11,263	111,85
7,044	9,897	10,925	4,716	6,287	9,662	11,158	111,9
7,437	9,862	11,067	5,923	7,044	10,156	11,122	111,95
7,545	8,741	11,031	7,770	7,692	10,509	11,158	112
7,115	8,916	10,001	8,551	7,945	10,403	11,193	112,05
6,758	10,037	9,361	8,693	8,485	10,333	11,193	112,1
7,151	10,562	9,432	9,013	8,810	10,791	11,263	112,15
7,151	10,948	8,508	9,581	9,242	10,721	11,158	112,2

7,581	11,368	7,975	9,901	8,521	10,721	11,052	112,25
7,616	10,527	7,584	10,753	8,557	10,686	10,876	112,3
7,187	11,228	6,945	10,149	8,089	10,580	10,736	112,35
8,010	11,368	6,518	9,723	5,963	9,839	10,595	112,4
7,724	10,597	5,878	9,084	6,359	9,627	10,384	112,45
7,115	10,948	6,802	7,983	6,936	10,015	10,208	112,5
6,328	11,403	7,051	7,592	6,611	10,403	10,068	112,55
6,579	10,843	6,660	6,243	7,620	10,686	10,068	112,6
7,151	10,142	6,873	6,136	8,341	10,932	10,208	112,65
7,115	10,002	6,625	5,178	7,008	10,968	10,490	112,7
7,080	9,371	6,731	4,219	5,999	11,709	10,630	112,75
7,366	10,317	7,726	5,071	5,710	10,686	10,771	112,8
6,722	9,967	8,508	5,533	7,476	10,192	10,876	112,85
6,400	10,247	9,255	4,432	7,512	9,945	10,806	112,9
6,865	9,056	8,864	4,716	6,972	9,556	10,595	112,95
5,863	10,072	9,290	4,787	7,729	9,274	10,419	113
5,685	9,862	8,828	5,710	8,377	10,050	10,244	113,05
6,436	10,457	9,255	5,852	8,377	9,733	10,103	113,1
7,008	11,158	7,869	5,568	8,161	10,686	10,068	113,15
7,080	10,737	9,255	6,705	9,026	10,615	10,279	113,2
7,080	10,527	9,219	7,415	8,449	10,580	10,595	113,25
7,080	9,406	8,970	6,882	11,116	10,827	10,876	113,3
6,794	8,986	9,326	5,888	9,999	10,897	11,087	113,35
6,937	8,426	10,001	7,521	9,891	10,791	11,017	113,4
6,794	9,126	10,107	7,735	10,467	10,156	10,841	113,45
6,758	10,212	10,107	6,492	10,828	9,839	10,701	113,5
6,400	10,948	10,356	6,776	10,323	10,439	10,525	113,55
6,722	10,562	9,112	7,202	9,638	10,192	10,244	113,6
7,294	11,228	8,508	7,983	9,242	10,227	10,103	113,65
7,044	11,858	7,940	9,155	7,476	10,333	10,103	113,7
7,831	10,808	6,234	9,190	6,071	9,980	10,349	113,75
8,117	9,722	6,660	8,622	4,845	10,156	10,454	113,8
7,759	9,196	7,549	9,190	5,927	10,297	10,806	113,85
7,795	10,282	6,873	7,379	6,503	10,721	11,052	113,9
7,008	10,107	5,878	6,918	6,647	10,686	11,052	113,95
7,294	8,986	7,122	6,847	6,539	10,686	11,017	114
6,328	10,457	8,757	6,030	6,215	10,580	10,806	114,05
6,901	11,088	8,082	6,705	8,377	10,544	10,525	114,1
6,579	11,893	8,117	5,639	7,476	10,544	10,384	114,15
6,507	10,772	8,224	5,923	8,629	10,474	10,314	114,2
7,294	9,652	8,046	8,409	7,981	10,403	10,454	114,25
6,722	9,582	6,873	6,989	6,936	10,368	10,630	114,3
7,652	9,266	7,264	8,125	6,936	10,439	10,841	114,35
6,937	10,107	6,802	6,492	8,125	10,403	11,087	114,4
6,901	9,547	8,935	6,634	8,161	10,368	11,228	114,45
6,972	9,547	9,290	5,639	8,954	10,333	11,158	114,5
6,328	10,282	9,610	5,710	8,774	10,509	11,087	114,55
6,507	11,018	8,722	6,101	8,377	10,791	10,912	114,6
6,328	11,158	8,366	6,669	8,918	10,615	10,841	114,65
6,650	10,527	8,188	6,740	9,098	10,403	10,947	114,7
6,972	11,193	7,229	7,628	7,873	10,156	11,017	114,75
6,579	11,298	8,082	8,764	8,413	10,121	10,876	114,8
7,044	9,511	7,513	8,232	9,314	10,050	10,736	114,85
6,937	9,406	7,229	8,196	8,341	10,121	10,665	114,9
6,293	9,722	7,726	6,776	9,134	10,474	10,701	114,95

6,794	9,126	7,300	8,054	8,701	11,215	10,806	115
6,185	9,897	8,082	7,273	8,954	10,615	10,982	115,05
6,364	10,527	8,864	6,563	8,882	10,615	10,912	115,1
6,364	11,928	9,077	6,882	8,882	10,615	10,912	115,15
6,257	12,489	9,361	6,989	8,305	10,439	10,947	115,2
6,472	10,913	8,508	5,675	8,233	10,368	11,052	115,25
6,794	10,352	7,620	5,355	7,945	10,227	10,876	115,3
6,615	10,037	6,518	3,651	7,801	10,333	10,701	115,35
6,472	10,387	7,229	5,142	6,467	10,121	10,665	115,4
6,507	10,808	8,935	7,628	6,539	10,192	10,630	115,45
6,865	11,158	10,072	6,563	8,017	10,156	10,701	115,5
6,650	11,858	11,067	6,776	7,801	10,156	10,806	115,55
6,758	12,419	10,569	5,994	8,341	10,368	11,017	115,6
6,829	12,349	8,899	6,527	8,521	10,474	11,158	115,65
7,688	10,772	7,584	8,693	9,242	10,756	11,228	115,7
6,114	9,476	7,264	9,404	9,783	10,756	11,298	115,75
6,293	9,301	7,442	8,764	9,819	10,403	11,439	115,8
6,150	9,547	8,046	8,409	9,566	10,333	11,404	115,85
6,364	10,002	8,757	8,267	9,494	10,756	11,228	115,9
6,758	11,158	9,859	6,776	9,062	10,827	11,087	115,95
7,044	10,632	9,752	6,705	8,738	10,650	11,158	116
6,829	10,737	9,219	7,486	8,665	10,650	11,193	116,05
6,615	9,056	8,864	6,527	8,233	10,615	11,263	116,1
6,794	10,107	8,935	7,592	7,620	10,756	11,298	116,15
7,008	9,757	8,153	8,196	6,719	10,474	11,369	116,2
6,722	9,757	8,046	8,125	8,053	10,333	11,439	116,25
6,937	11,333	7,442	7,663	8,017	10,403	11,544	116,3
6,758	10,667	6,838	8,693	5,458	10,439	11,579	116,35
6,722	11,088	5,878	7,060	8,954	10,403	11,509	116,4
6,758	10,527	6,660	7,877	9,819	10,262	11,474	116,45
6,472	10,562	6,873	6,989	8,810	10,192	11,439	116,5
7,974	10,948	7,051	6,705	8,449	10,192	11,439	116,55
7,795	10,808	7,513	5,355	8,089	9,945	11,369	116,6
7,151	10,352	8,402	6,243	8,233	9,945	11,333	116,65
7,724	9,897	9,361	5,781	8,161	9,909	11,298	116,7
6,937	8,986	9,006	5,213	9,278	9,945	11,298	116,75
6,364	8,496	10,321	4,290	7,116	9,980	11,439	116,8
6,794	9,336	10,072	5,355	6,683	10,192	11,509	116,85
6,579	8,986	9,610	7,131	8,305	10,297	11,544	116,9
6,899	10,632	9,432	4,965	8,701	10,474	11,650	116,95
6,722	10,282	7,940	4,645	7,224	10,439	11,650	117
7,616	10,282	8,402	6,136	8,161	10,333	11,615	117,05
6,865	9,897	8,650	7,628	7,945	10,050	11,579	117,1
7,509	9,547	8,366	7,770	7,368	10,474	11,579	117,15
7,044	9,441	7,833	8,551	5,782	9,698	11,579	117,2
7,008	9,792	6,945	7,060	6,647	9,380	11,509	117,25
6,293	11,193	7,158	6,598	8,449	9,486	11,439	117,3
6,507	11,018	7,584	6,776	10,972	9,556	11,439	117,35
6,328	11,578	7,087	7,202	9,566	9,345	11,474	117,4
6,579	12,139	5,594	6,420	9,386	9,239	11,474	117,45
6,436	12,209	5,310	5,639	9,134	9,592	11,439	117,5
6,901	11,648	6,447	6,492	8,882	9,803	11,544	117,55
7,115	10,562	5,701	5,639	8,990	9,556	11,579	117,6
7,080	10,072	7,300	4,751	8,918	9,274	11,509	117,65
6,293	9,441	8,864	4,751	8,882	9,345	11,474	117,7

6,507	9,722	10,392	4,254	9,206	9,415	11,439	117,75
6,937	10,527	11,280	3,579	9,278	9,274	11,369	117,8
6,686	10,422	10,854	3,935	7,873	9,380	11,369	117,85
6,579	10,597	9,077	4,680	8,377	9,698	11,369	117,9
7,366	9,967	9,432	5,710	9,314	9,168	11,369	117,95
7,652	9,441	9,610	7,131	8,738	9,239	11,369	118
7,437	9,476	10,250	7,948	8,233	9,451	11,439	118,05
7,008	9,231	10,107	8,693	8,377	9,415	11,579	118,1
7,187	8,286	8,686	9,119	8,665	9,627	11,685	118,15
6,221	10,597	7,407	8,267	8,810	9,733	11,720	118,2
6,328	11,683	7,513	8,161	8,918	9,521	11,685	118,25
6,794	12,069	5,807	8,054	9,278	9,345	11,720	118,3
7,330	11,228	5,630	7,912	9,242	9,345	11,720	118,35
6,794	10,387	5,878	8,196	9,386	9,310	11,685	118,4
7,330	10,247	5,168	7,450	8,593	9,380	11,650	118,45
7,437	10,562	5,878	6,492	8,377	9,521	11,579	118,5
6,794	10,457	7,975	7,770	7,945	9,627	11,615	118,55
7,080	11,158	8,295	6,989	8,125	10,050	11,509	118,6
6,758	10,667	8,544	6,030	7,296	10,403	11,439	118,65
6,686	10,457	8,544	2,798	7,656	11,321	11,298	118,7
6,722	11,368	8,402	3,011	8,449	11,179	11,087	118,75
7,509	12,839	8,117	5,391	9,242	10,474	11,017	118,8
7,008	12,139	8,011	4,396	8,593	10,156	10,982	118,85
7,509	10,843	8,331	6,314	8,413	10,192	11,017	118,9
6,901	11,368	7,584	5,923	7,188	9,980	10,806	118,95
6,650	10,597	7,513	6,278	8,413	9,803	10,595	119
7,151	10,457	7,940	5,639	7,873	9,909	10,525	119,05
7,402	10,212	8,295	4,254	8,377	9,415	10,419	119,1
6,829	10,527	9,468	4,751	8,089	9,415	10,490	119,15
6,185	10,142	9,788	4,787	11,657	9,592	10,454	119,2
6,579	10,632	9,041	3,722	7,656	9,768	10,490	119,25
7,008	10,247	8,544	4,574	5,782	9,768	10,490	119,3
6,579	10,843	7,869	6,918	6,215	9,768	10,525	119,35
6,972	11,368	8,508	8,693	7,837	9,698	10,595	119,4
7,115	10,597	7,371	8,125	7,512	9,627	10,736	119,45
6,221	10,282	7,407	8,445	8,557	9,909	10,841	119,5
6,686	10,037	8,011	7,628	8,161	10,015	10,876	119,55
6,507	10,212	7,726	6,918	9,458	9,133	10,806	119,6
6,257	10,562	8,117	6,989	9,098	8,992	10,736	119,65
6,615	10,702	8,082	6,420	9,350	9,521	10,595	119,7
7,151	10,597	9,539	6,349	8,233	9,627	10,630	119,75
6,615	10,667	9,148	5,604	7,837	9,521	10,665	119,8
6,722	9,827	8,935	5,142	7,440	9,486	10,665	119,85
6,686	9,617	8,366	4,290	8,593	9,451	10,701	119,9
7,402	9,932	8,722	9,368	8,233	9,345	10,736	119,95
7,294	10,702	8,544	7,592	8,593	9,063	10,701	120
7,759	10,632	8,473	7,983	8,377	9,168	10,701	120,05
7,294	10,632	9,183	7,912	7,692	9,274	10,665	120,1
6,937	9,231	7,904	7,486	8,449	9,556	10,665	120,15
6,293	10,212	7,655	7,131	8,665	9,980	10,490	120,2
6,436	11,018	8,011	6,563	9,026	10,509	10,314	120,25
6,686	11,823	6,945	7,060	8,882	10,333	10,279	120,3
6,293	12,279	8,082	6,349	8,521	10,192	10,384	120,35
7,294	11,788	8,579	6,740	8,161	10,050	10,525	120,4
6,650	11,088	9,645	6,030	7,368	10,227	10,595	120,45

7,581	10,527	8,188	6,065	8,774	10,192	10,630	120,5
7,044	10,282	7,264	5,071	9,602	10,262	10,560	120,55
6,794	10,142	9,041	4,858	8,413	10,474	10,525	120,6
6,579	10,247	9,219	5,639	7,656	10,262	10,665	120,65
6,972	9,792	10,712	6,172	7,873	10,297	10,806	120,7
7,330	9,967	10,712	6,207	6,936	10,262	10,912	120,75
7,581	11,648	10,605	8,161	7,476	10,333	10,947	120,8
7,294	9,266	10,605	6,065	8,089	10,615	10,701	120,85
6,472	9,231	10,143	8,480	7,801	9,662	10,841	120,9
6,615	9,511	9,788	8,125	8,089	10,015	10,947	120,95
7,509	10,212	8,686	9,297	8,161	9,839	10,982	121
7,688	11,088	9,290	9,865	9,134	9,521	11,298	121,05
7,294	10,808	8,473	10,717	8,269	9,662	11,439	121,1
6,937	9,827	8,295	10,185	7,548	9,486	11,298	121,15
6,507	9,336	7,833	8,658	7,224	9,204	11,193	121,2
6,364	10,317	6,945	8,196	6,431	8,463	11,017	121,25
7,437	11,648	6,731	6,989	7,260	8,816	10,912	121,3
7,759	11,543	6,873	6,492	7,584	8,780	10,630	121,35
7,652	11,578	7,549	6,385	7,368	8,957	10,736	121,4
7,008	12,069	6,945	5,852	8,377	9,345	10,701	121,45
7,008	10,983	6,696	5,959	7,296	9,803	10,630	121,5
7,259	10,737	6,056	5,817	7,116	9,768	10,736	121,55
6,901	10,317	6,340	6,030	6,719	10,121	10,736	121,6
7,151	10,387	7,016	5,036	7,801	10,121	10,595	121,65
7,402	10,632	7,549	4,112	7,945	10,086	10,454	121,7
7,509	10,387	9,219	5,355	7,837	10,262	10,349	121,75
7,294	10,632	10,001	5,213	8,305	9,380	10,595	121,8
8,010	10,983	9,788	4,432	8,017	9,592	10,876	121,85
7,509	11,718	9,503	4,148	8,413	9,698	10,806	121,9
7,330	10,983	9,006	3,508	7,440	9,627	10,806	121,95
6,972	10,527	8,686	7,912	8,377	9,274	10,595	122
6,794	9,511	8,757	7,379	9,134	9,310	10,560	122,05
6,221	9,161	9,788	6,314	9,999	9,592	10,595	122,1
7,115	9,266	9,112	5,036	11,981	9,451	10,525	122,15
6,722	10,983	9,503	4,538	11,260	9,662	10,665	122,2
7,581	12,664	8,899	4,574	10,035	9,274	10,841	122,25
7,831	11,648	9,326	7,344	9,494	8,780	10,876	122,3
7,867	11,228	8,544	7,735	7,044	9,168	10,876	122,35
7,437	10,737	8,366	7,557	6,431	9,098	11,087	122,4
7,509	10,282	7,940	7,699	7,368	9,027	11,122	122,45
8,153	11,123	6,127	8,480	7,512	9,380	11,158	122,5
8,010	10,422	6,802	7,735	7,008	9,556	11,087	122,55
7,294	10,843	9,859	6,598	7,296	9,839	10,876	122,6
7,294	10,527	11,351	6,456	7,008	10,192	10,701	122,65
6,078	10,387	11,031	6,243	8,125	10,403	10,595	122,7
7,259	10,667	8,864	4,929	8,810	10,192	10,630	122,75
6,865	10,948	8,331	4,965	8,954	10,086	10,736	122,8
7,115	12,314	8,260	5,994	9,963	9,980	10,736	122,85
7,080	12,559	8,153	7,486	7,440	9,980	10,982	122,9
7,437	12,769	8,011	8,729	7,296	10,262	11,087	122,95
7,151	11,333	8,366	6,918	7,584	10,544	11,017	123
6,615	10,282	7,833	6,243	7,512	10,721	11,193	123,05
6,507	10,317	6,873	6,563	7,008	10,509	11,017	123,1
7,187	9,932	8,615	4,609	6,071	10,474	10,912	123,15
6,937	9,266	8,011	5,000	6,287	10,756	11,122	123,2

5,685	10,177	9,255	4,538	4,593	10,791	11,158	123,25
7,044	10,632	10,569	5,497	7,224	10,721	11,298	123,3
6,722	9,722	10,072	5,994	8,557	10,474	11,333	123,35
6,328	10,142	9,539	6,065	6,287	10,333	11,193	123,4
6,758	10,002	9,432	6,136	7,224	10,262	10,982	123,45
7,223	10,983	9,077	7,948	8,413	10,297	10,806	123,5
7,008	11,823	8,686	8,267	8,377	10,333	10,736	123,55
6,829	11,018	8,082	10,469	8,017	10,262	10,595	123,6
6,615	10,562	7,229	10,966	8,017	10,333	10,454	123,65
6,364	11,788	7,158	8,729	9,062	10,333	10,384	123,7
6,436	10,667	6,518	8,267	9,098	10,580	10,419	123,75
6,901	11,088	6,447	8,303	8,918	10,580	10,630	123,8
6,722	11,648	6,483	6,776	9,242	10,474	10,701	123,85
6,650	10,702	7,549	6,527	9,278	10,192	10,947	123,9
7,008	10,527	7,655	6,349	8,629	10,121	11,087	123,95
6,328	9,792	9,006	4,787	8,665	9,839	11,052	124
7,437	10,177	9,006	3,828	8,233	9,698	10,876	124,05
6,579	10,422	9,361	2,834	7,224	9,839	10,701	124,1
6,579	9,476	10,036	3,722	8,810	9,274	10,525	124,15
6,615	10,702	9,717	5,994	9,098	9,274	10,454	124,2
7,187	10,913	9,361	7,415	9,350	9,345	10,419	124,25
6,722	11,228	8,508	8,019	8,738	9,521	10,454	124,3
6,221	11,368	8,260	7,060	9,242	9,733	10,595	124,35
6,865	11,193	8,473	5,568	8,882	9,874	10,876	124,4
6,650	11,368	8,117	6,492	9,242	9,556	11,052	124,45
6,293	11,508	7,869	7,131	7,692	9,451	11,228	124,5
6,221	11,928	8,935	5,994	6,972	9,451	11,298	124,55
7,044	10,632	9,148	6,278	8,089	9,415	11,158	124,6
6,794	11,368	9,574	5,746	9,170	9,310	10,947	124,65
6,328	10,597	10,676	7,202	9,242	9,133	10,701	124,7
6,185	10,142	10,285	7,983	8,954	9,133	10,490	124,75
7,044	9,091	10,321	11,357	8,846	9,098	10,525	124,8
7,115	8,776	9,574	9,190	8,233	9,239	10,665	124,85
6,650	8,916	10,143	10,433	8,665	9,380	10,736	124,9
7,187	8,145	9,610	9,190	8,738	9,521	10,806	124,95
6,722	8,741	9,041	9,190	9,206	9,592	10,912	125
6,615	10,072	9,077	9,084	8,557	9,556	11,052	125,05
6,901	10,772	8,402	9,333	8,017	9,980	11,122	125,1
6,758	10,597	8,615	9,190	6,864	9,909	11,087	125,15
7,795	9,932	7,513	9,617	7,512	9,909	10,982	125,2
7,581	11,053	7,655	8,196	7,512	9,945	10,806	125,25
6,865	11,298	7,229	8,409	8,269	10,262	10,736	125,3
6,686	10,387	6,696	9,048	7,332	10,050	10,665	125,35
7,151	10,387	5,274	7,699	7,512	9,592	10,736	125,4
6,507	10,597	5,630	7,628	7,584	9,345	10,736	125,45
6,937	10,983	6,589	8,090	7,188	9,486	10,736	125,5
6,436	12,069	6,945	8,906	7,332	8,992	10,665	125,55
6,901	11,788	6,945	7,344	7,260	9,733	10,665	125,6
6,829	10,948	7,229	7,379	7,801	10,403	10,701	125,65
7,294	10,983	7,798	5,923	7,116	10,192	10,736	125,7
7,473	9,827	8,188	5,639	7,548	9,980	10,841	125,75
7,938	10,212	9,077	5,568	7,080	10,050	10,876	125,8
7,724	9,897	10,214	3,793	7,368	10,015	10,876	125,85
6,615	9,126	9,539	3,508	8,197	9,909	10,841	125,9
7,223	9,582	10,712	4,041	8,089	9,909	10,876	125,95

6,686	10,317	10,001	6,207	7,512	9,592	10,947	126
6,722	10,808	9,681	6,740	8,017	9,627	10,947	126,05
7,008	11,158	9,894	9,262	9,278	9,874	10,806	126,1
7,581	10,948	9,361	8,871	9,098	10,403	10,806	126,15
7,366	10,913	9,112	8,196	9,999	10,721	10,630	126,2
7,151	10,667	7,940	8,125	9,170	10,192	10,595	126,25
7,509	10,107	7,122	8,267	8,954	10,086	10,595	126,3
7,259	9,301	7,513	8,374	8,377	10,050	10,595	126,35
7,759	9,406	9,219	8,729	9,747	9,909	10,630	126,4
7,366	11,158	9,041	7,060	9,963	9,909	10,841	126,45
6,436	9,862	8,366	6,882	10,251	10,650	10,982	126,5
6,436	9,967	7,584	5,639	8,990	10,686	10,982	126,55
6,400	9,897	8,224	5,710	8,269	11,038	11,087	126,6
7,080	10,948	7,975	7,912	8,125	11,426	11,052	126,65
7,545	10,983	7,407	6,847	7,945	11,144	10,982	126,7
7,044	11,438	7,975	7,202	8,449	11,109	10,912	126,75
6,794	10,212	7,478	7,592	9,278	10,968	10,912	126,8
7,473	9,967	8,011	8,516	10,395	10,968	10,876	126,85
6,364	9,897	7,478	7,237	9,386	11,003	10,736	126,9
6,472	10,107	7,798	7,131	7,656	10,756	10,665	126,95
7,223	11,158	8,579	6,527	6,756	10,333	10,701	127
8,439	10,317	9,717	6,740	7,008	10,192	10,736	127,05
7,831	10,422	9,930	5,746	7,476	10,333	10,876	127,1
7,366	9,687	9,717	4,787	7,512	10,474	11,087	127,15
7,008	9,161	9,503	5,959	8,738	10,650	11,263	127,2
6,758	9,476	7,904	6,420	8,413	10,650	11,369	127,25
6,436	10,913	9,219	6,669	8,377	10,897	11,369	127,3
6,615	11,438	9,112	6,492	8,882	10,932	11,193	127,35
6,472	13,470	9,503	7,060	8,774	10,897	11,087	127,4
7,366	12,909	9,219	7,912	8,593	10,686	10,947	127,45
6,829	11,928	8,331	7,521	8,954	10,439	10,806	127,5
6,865	10,808	7,335	8,587	8,990	10,368	10,771	127,55
6,901	10,177	7,016	8,516	8,341	10,262	10,806	127,6
6,722	9,406	6,660	8,267	8,485	10,439	10,876	127,65
6,865	10,002	7,371	8,303	8,413	10,615	11,017	127,7
6,722	9,336	7,655	7,060	8,161	10,721	11,158	127,75
6,686	9,547	9,930	6,172	9,062	10,827	11,298	127,8
7,151	10,072	10,214	5,675	9,530	10,756	11,298	127,85
7,187	9,967	10,072	7,344	9,458	10,721	11,228	127,9
7,294	10,247	9,148	5,746	9,098	10,650	11,158	127,95
6,937	10,527	8,579	7,628	7,404	10,509	11,017	128
7,008	9,967	8,117	7,450	7,368	10,192	10,876	128,05
6,937	10,562	8,011	7,202	7,080	10,086	10,701	128,1
6,722	10,808	7,407	7,983	6,828	10,050	10,630	128,15
7,044	11,403	7,442	8,693	7,801	9,909	10,630	128,2
6,829	11,368	7,300	7,912	7,873	9,839	10,736	128,25
6,829	11,858	7,513	6,740	7,512	9,980	10,947	128,3
6,972	11,228	7,300	6,563	7,656	10,121	11,017	128,35
6,650	10,737	7,478	7,521	8,774	10,403	11,087	128,4
6,937	10,667	7,193	6,669	7,837	10,403	11,052	128,45
7,509	10,107	8,970	6,634	7,729	10,474	10,947	128,5
7,223	10,177	10,036	6,136	7,476	10,262	10,876	128,55
7,366	10,107	10,854	6,314	7,152	9,945	10,806	128,6
7,223	10,667	10,498	4,716	7,296	9,803	10,841	128,65
7,688	11,018	9,681	5,107	7,440	9,733	10,876	128,7

7,115	10,667	9,041	7,628	7,080	9,556	10,947	128,75
7,187	11,543	9,183	6,918	6,936	9,592	11,017	128,8
6,579	11,298	8,650	8,303	7,008	9,980	11,122	128,85
6,436	12,769	7,655	7,024	7,368	9,486	11,122	128,9
7,223	11,683	7,371	6,776	6,647	9,627	11,158	128,95
7,115	12,279	6,945	7,060	7,260	9,627	11,122	129
7,151	12,349	7,726	5,959	8,485	9,945	11,087	129,05
6,257	11,368	8,366	6,243	9,350	9,627	11,087	129,1
7,795	11,508	8,757	7,308	11,296	9,733	11,158	129,15
7,688	10,527	9,077	5,462	12,846	9,204	11,193	129,2
6,937	10,983	10,498	4,716	10,395	9,204	11,263	129,25
6,794	9,722	10,676	5,426	9,855	9,063	11,404	129,3
6,328	10,142	10,072	5,071	8,918	8,780	11,579	129,35
6,364	9,757	10,818	6,776	8,413	8,639	11,685	129,4
6,114	9,336	11,209	6,243	8,593	8,533	11,650	129,45
6,436	9,617	9,610	9,759	8,629	8,816	11,579	129,5
7,366	10,457	9,361	9,936	7,801	8,886	11,579	129,55
7,151	10,948	9,432	10,114	8,413	8,992	11,579	129,6
7,867	11,648	8,757	8,445	9,062	8,745	11,615	129,65
7,902	11,578	8,295	9,830	8,810	8,780	11,509	129,7
7,509	11,718	7,513	10,576	8,882	8,780	11,474	129,75
7,437	11,088	7,407	8,445	8,990	8,957	11,369	129,8
6,865	11,298	7,300	8,196	8,629	9,168	11,439	129,85
7,294	11,088	6,021	7,202	8,593	9,556	11,509	129,9
6,865	10,913	5,452	6,456	7,945	9,733	11,650	129,95
6,972	11,718	6,980	5,213	8,125	9,768	11,790	130
6,615	11,298	7,513	5,533	8,990	9,768	11,861	130,05
6,901	11,158	8,188	4,503	6,900	9,839	11,861	130,1
6,972	10,808	8,793	3,579	8,701	9,803	11,720	130,15
6,901	10,948	8,793	3,935	8,810	9,733	11,544	130,2
6,972	11,543	9,610	3,579	9,206	9,733	11,369	130,25
7,187	11,263	9,574	6,598	9,314	9,451	11,228	130,3
7,759	10,317	9,788	6,563	9,098	9,662	11,017	130,35
7,581	10,808	9,468	5,178	8,918	9,698	11,158	130,4
7,473	10,913	9,539	5,426	8,233	9,698	11,298	130,45
7,330	10,772	9,859	6,278	8,593	9,945	11,439	130,5
7,366	9,582	9,326	7,202	8,593	9,803	11,298	130,55
6,686	10,247	9,006	6,527	8,449	10,156	11,158	130,6
7,831	10,597	9,361	6,847	8,377	10,474	10,947	130,65
8,475	10,317	8,508	7,379	8,593	10,015	10,736	130,7
7,974	9,932	9,361	6,918	8,125	9,204	10,595	130,75
7,187	10,527	9,788	6,527	8,521	8,851	10,384	130,8
7,044	9,827	8,579	6,243	8,882	9,274	10,244	130,85
6,686	9,862	9,326	5,497	7,260	8,921	10,138	130,9
7,581	10,983	10,321	5,817	7,620	9,310	10,068	130,95
6,865	10,072	9,859	6,598	7,584	10,509	10,103	131
6,937	11,088	10,036	7,841	7,512	9,310	10,173	131,05
7,366	11,018	8,864	8,977	7,656	10,368	10,314	131,1
7,437	10,562	8,686	8,835	7,837	11,744	10,314	131,15
7,366	11,018	9,361	8,445	8,089	10,192	10,384	131,2
8,582	11,088	9,219	7,628	8,449	11,321	10,314	131,25
8,546	10,282	7,087	7,699	8,774	11,391	10,314	131,3
7,330	9,441	7,158	6,314	9,098	11,744	10,138	131,35
7,044	10,948	7,513	5,852	8,738	12,273	10,033	131,4
6,758	10,037	11,138	6,563	8,161	11,638	9,927	131,45

6,722	10,352	11,067	6,669	7,873	11,144	9,787	131,5
6,221	9,441	10,783	7,450	7,801	10,580	9,611	131,55
7,115	11,158	9,930	6,634	7,080	10,403	9,505	131,6
7,044	12,279	9,574	7,735	7,981	10,227	9,505	131,65
7,831	12,699	9,432	5,213	7,909	10,368	9,365	131,7
7,938	11,053	8,082	9,475	8,665	10,192	9,154	131,75
7,437	10,457	7,193	9,404	8,810	9,098	8,802	131,8
7,616	10,632	6,305	8,977	9,386	8,216	8,416	131,85
7,616	11,368	5,488	8,409	8,701	8,886	8,064	131,9
7,509	11,508	5,026	8,693	8,810	8,357	8,275	131,95
7,294	12,139	5,559	7,912	8,701	8,075	8,064	132
6,436	11,368	10,072	6,882	9,134	7,369	8,064	132,05
6,972	11,893	9,752	6,527	9,675	7,863	7,923	132,1
7,259	10,913	8,899	5,781	9,566	9,486	7,959	132,15
7,509	10,702	8,757	4,290	8,665	10,474	8,345	132,2
7,724	11,438	8,686	5,178	7,873	10,156	8,310	132,25
7,294	11,648	10,072	7,308	8,629	10,474	8,310	132,3
7,259	10,667	9,859	6,776	8,954	9,592	8,275	132,35
7,581	9,617	10,285	7,699	8,774	9,415	8,099	132,4
7,724	10,037	10,072	7,095	9,602	9,345	8,556	132,45
6,865	10,072	10,463	7,841	9,242	9,415	8,732	132,5
7,151	10,808	8,757	7,060	9,494	9,486	9,259	132,55
7,616	10,808	8,793	8,835	9,566	9,486	9,400	132,6
7,652	10,667	7,513	8,196	8,954	9,592	9,540	132,65
8,367	11,788	7,300	8,338	8,377	9,698	9,576	132,7
7,867	11,088	7,158	8,800	8,377	10,615	9,681	132,75
7,366	11,123	6,731	8,906	8,161	10,721	9,822	132,8
7,974	11,228	7,513	8,622	6,864	10,474	10,138	132,85
8,332	10,457	7,478	7,983	7,765	10,686	10,384	132,9
7,902	11,788	8,082	6,492	9,242	10,474	10,595	132,95
8,511	10,948	8,366	6,243	8,593	10,721	10,806	133
7,867	10,247	8,757	5,994	8,233	10,544	10,947	133,05
7,008	10,387	8,828	5,639	8,882	10,403	10,912	133,1
6,865	10,457	7,904	5,426	7,584	10,121	10,736	133,15
6,937	9,827	8,295	5,320	7,837	10,156	10,665	133,2
7,473	10,527	8,508	4,822	7,404	10,121	10,701	133,25
7,616	11,123	8,615	6,136	7,909	10,121	10,736	133,3
7,294	11,508	9,183	6,492	7,729	10,050	10,736	133,35
7,330	10,983	8,366	7,060	7,765	10,086	10,630	133,4
8,332	11,018	8,260	6,740	7,368	10,262	10,525	133,45
8,046	11,648	8,188	6,918	7,296	10,474	10,525	133,5
7,581	10,247	7,513	7,273	7,692	10,192	10,490	133,55
7,437	9,967	8,295	6,776	6,215	10,333	10,595	133,6
7,080	9,792	8,650	7,166	5,710	10,192	10,665	133,65
7,259	9,266	10,143	7,202	7,476	10,403	10,736	133,7
6,722	10,702	11,102	5,568	8,954	10,262	10,771	133,75
7,437	11,228	9,823	4,503	11,116	10,544	10,806	133,8
7,509	11,928	9,539	6,634	8,774	10,403	10,665	133,85
7,366	10,808	9,717	7,735	9,458	10,192	10,525	133,9
7,044	9,827	8,970	7,735	10,035	10,192	10,595	133,95
6,722	9,582	8,011	7,948	9,602	10,368	10,595	134
6,865	8,250	7,584	10,611	9,458	10,192	10,630	134,05
6,615	8,811	7,407	10,327	8,954	10,192	10,806	134,1
7,080	10,737	8,970	9,688	9,314	10,121	10,876	134,15
7,473	10,457	9,006	8,125	9,350	9,909	10,912	134,2

7,581	9,547	9,148	8,409	9,206	9,980	10,912	134,25
7,223	9,932	8,437	6,634	9,350	10,297	10,876	134,3
7,259	9,652	8,366	7,131	10,395	10,509	10,947	134,35
6,472	9,371	8,722	6,207	9,855	10,050	10,947	134,4
6,221	9,827	8,082	5,959	8,089	9,839	10,982	134,45
6,937	10,948	8,473	7,060	8,197	9,733	11,017	134,5
7,223	11,788	7,940	9,581	7,729	9,980	10,982	134,55
6,758	11,928	8,508	8,942	8,954	10,227	11,017	134,6
6,901	11,298	6,980	8,480	9,386	10,262	11,017	134,65
6,579	10,387	7,016	8,764	8,738	10,544	10,947	134,7
6,865	10,247	7,087	7,557	7,368	10,262	10,806	134,75
7,581	9,932	8,402	6,634	8,377	10,686	10,771	134,8
7,437	9,827	9,148	5,568	7,404	10,297	10,665	134,85
7,294	9,547	10,712	5,355	6,431	8,639	10,665	134,9
6,686	9,582	10,712	5,071	7,296	9,733	10,806	134,95
6,901	9,757	10,996	5,462	7,801	10,686	10,736	135
7,008	10,177	9,823	5,533	7,837	10,297	10,736	135,05
6,650	11,088	9,645	7,806	8,377	10,439	10,701	135,1
7,294	12,104	9,361	9,333	7,801	10,192	10,665	135,15
7,724	11,508	8,402	10,220	7,801	9,768	10,630	135,2
7,724	10,948	7,442	10,114	8,377	9,698	10,560	135,25
7,294	9,932	6,305	9,475	9,170	9,874	10,525	135,3
6,615	10,247	7,016	8,587	8,629	10,156	10,665	135,35
6,364	10,492	7,655	7,273	8,738	10,192	10,876	135,4
6,078	10,878	9,397	7,557	8,665	10,368	11,052	135,45
6,722	12,209	9,503	6,918	9,026	10,791	11,087	135,5
7,044	13,190	9,041	4,219	7,152	10,968	11,017	135,55
7,187	12,384	8,828	6,278	7,909	10,791	11,017	135,6
7,223	11,648	8,473	6,172	10,251	10,897	11,158	135,65
6,865	10,247	9,006	7,024	9,530	10,932	11,122	135,7
7,366	9,582	7,940	6,207	8,629	10,897	11,017	135,75
7,437	9,967	8,437	6,314	8,233	10,862	10,876	135,8
7,294	9,406	9,823	7,060	8,377	10,615	10,736	135,85
6,543	9,792	10,463	6,705	9,062	10,474	10,595	135,9
7,187	9,827	11,351	5,746	7,656	10,192	10,595	135,95
6,937	10,177	10,498	5,284	7,620	9,945	10,701	136
6,829	10,422	9,717	5,923	8,990	9,698	10,806	136,05
7,759	11,158	9,006	7,557	9,819	9,592	10,876	136,1
7,509	9,827	8,366	6,634	8,882	9,698	10,912	136,15
7,509	10,177	9,788	9,794	8,954	9,839	10,982	136,2
7,151	11,368	9,077	10,469	7,945	9,768	10,982	136,25
7,473	11,578	7,833	10,469	8,305	9,768	10,947	136,3
7,402	12,034	6,838	8,551	8,990	9,874	10,806	136,35
7,688	12,104	6,163	9,013	8,701	9,698	10,912	136,4
7,724	11,648	6,056	9,262	7,224	9,662	10,736	136,45
7,008	11,788	5,559	8,303	7,981	9,874	10,595	136,5
7,008	11,963	5,665	8,267	7,801	9,980	10,560	136,55
6,937	11,683	7,051	7,131	9,314	10,192	10,595	136,6
6,507	11,648	8,366	6,918	9,747	10,262	10,665	136,65
6,901	11,228	8,366	5,568	8,918	9,415	10,736	136,7
7,008	12,069	9,539	4,432	8,161	9,627	10,876	136,75
7,294	11,928	10,321	5,071	8,089	9,592	10,841	136,8
7,151	11,018	10,889	3,864	8,161	9,874	10,841	136,85
7,330	10,772	11,849	4,148	7,801	9,839	10,876	136,9
7,008	11,088	12,702	4,680	7,801	9,839	10,876	136,95

7,581	9,476	12,702	3,828	6,539	10,121	10,876	137
7,795	9,021	13,057	5,249	7,512	9,274	10,841	137,05
7,330	9,091	12,808	7,095	7,873	8,780	10,912	137,1
7,044	9,126	12,631	8,835	8,918	8,498	11,052	137,15
7,759	9,161	11,635	9,759	9,026	8,533	11,087	137,2
7,008	8,005	11,067	10,078	10,648	8,710	11,087	137,25
6,650	9,056	9,681	10,469	9,747	8,639	11,158	137,3
7,080	10,457	8,864	11,676	9,386	8,992	11,087	137,35
7,223	11,683	8,757	11,889	9,422	8,957	11,298	137,4
7,437	12,314	8,864	11,463	10,467	9,451	11,544	137,45
8,296	13,295	7,407	11,499	8,774	9,733	11,650	137,5
7,867	14,100	5,523	11,818	9,711	9,592	11,650	137,55
8,260	13,084	4,599	11,889	9,675	9,909	11,650	137,6
7,366	12,419	3,711	10,185	9,855	10,086	11,685	137,65
7,044	11,893	5,345	9,084	10,035	9,909	11,579	137,7
7,187	10,948	3,107	8,445	9,711	9,803	11,298	137,75
7,974	10,878	4,244	7,735	10,323	9,733	11,158	137,8
7,831	10,527	7,193	5,817	10,179	9,768	11,228	137,85
7,974	10,667	12,346	4,112	11,044	9,733	11,298	137,9
7,080	10,562	14,336	6,669	11,621	9,909	11,263	137,95
7,294	10,247	13,555	5,000	9,242	9,909	11,333	138
7,437	10,317	12,488	5,000	8,521	10,086	11,298	138,05
7,115	10,737	11,707	4,858	8,918	10,262	11,158	138,1
8,010	10,597	11,387	6,918	9,278	10,439	11,158	138,15
7,688	11,298	10,960	8,480	8,629	10,333	11,193	138,2
7,831	9,687	10,996	8,693	9,278	10,192	11,228	138,25
7,938	9,056	10,392	8,764	9,098	10,156	11,298	138,3
7,831	8,566	10,498	10,007	8,485	10,050	11,369	138,35
7,330	8,391	9,965	9,865	8,125	10,192	11,439	138,4
7,008	9,476	9,645	9,688	7,801	10,262	11,474	138,45
7,115	11,753	9,681	8,942	8,449	10,121	11,474	138,5
7,545	12,104	9,432	8,409	8,305	10,050	11,439	138,55
7,724	10,632	8,011	8,551	7,801	10,050	11,298	138,6
7,437	10,948	7,833	10,505	8,089	9,909	10,876	138,65
7,902	11,578	6,625	11,179	8,053	9,874	10,384	138,7
7,437	11,648	7,371	9,901	8,089	9,980	10,068	138,75
7,831	10,282	7,869	9,013	9,026	10,262	9,997	138,8
7,724	10,492	7,691	8,729	9,602	10,544	9,997	138,85
8,475	10,527	7,584	8,800	8,161	10,509	10,103	138,9
7,831	10,282	8,366	8,764	8,197	10,650	10,244	138,95
8,010	11,158	8,864	6,349	9,747	10,544	10,419	139
7,509	12,349	8,650	9,190	9,530	10,333	10,595	139,05
7,330	11,718	8,544	6,420	8,846	10,368	10,701	139,1
6,722	10,597	7,904	6,278	8,810	10,227	10,665	139,15
7,080	12,559	7,691	6,172	8,269	10,297	10,595	139,2
7,867	12,419	9,361	5,355	8,305	10,192	10,595	139,25
7,187	13,190	9,539	7,486	6,936	10,262	10,771	139,3
7,044	12,069	8,686	9,262	7,837	10,192	10,876	139,35
7,581	10,737	7,940	9,333	8,017	10,121	10,876	139,4
7,402	11,753	6,909	10,114	7,873	10,192	11,017	139,45
7,437	11,823	6,376	8,196	7,801	10,192	11,158	139,5
8,081	10,808	7,158	7,486	7,404	10,721	11,333	139,55
7,724	9,897	7,620	9,297	7,801	10,544	11,193	139,6
7,259	9,476	8,117	7,628	7,729	10,403	11,017	139,65
7,008	9,652	9,574	7,202	6,647	10,121	10,841	139,7

7,115	9,511	9,432	6,456	7,981	10,262	10,595	139,75
6,829	9,126	9,255	5,355	6,647	9,627	10,454	139,8
7,080	9,862	9,006	4,467	6,215	9,909	10,665	139,85
8,332	10,808	6,980	5,249	6,792	10,156	10,736	139,9
8,868	10,983	7,869	7,131	6,792	10,333	10,876	139,95
8,904	9,547	7,798	7,557	7,512	10,121	10,947	140
8,224	9,301	9,397	8,374	8,089	9,980	10,876	140,05
8,511	9,441	7,051	9,190	7,729	9,839	10,947	140,1
7,294	9,967	6,945	7,983	7,801	9,733	10,841	140,15
7,259	9,652	6,731	7,983	8,341	10,050	10,806	140,2
5,863	10,352	7,229	7,273	7,801	10,121	10,701	140,25
6,507	13,119	7,051	7,735	6,936	10,368	10,665	140,3
6,579	14,486	6,731	6,918	7,080	10,297	10,736	140,35
6,221	14,065	6,625	7,060	6,503	10,050	10,947	140,4
6,507	14,871	5,807	6,776	7,656	10,192	11,122	140,45
6,650	13,190	6,767	6,172	7,656	9,698	11,087	140,5
6,829	10,457	5,736	5,888	8,089	9,627	11,087	140,55
7,044	10,177	6,269	5,426	7,584	9,698	10,947	140,6
7,294	10,562	5,772	4,361	7,981	9,698	10,736	140,65
7,223	11,368	13,874	3,295	8,449	9,803	10,736	140,7
7,008	10,667	17,464	3,047	8,233	9,874	10,771	140,75
6,829	10,107	14,798	3,579	9,999	10,050	11,017	140,8
7,402	9,196	14,372	2,195	12,413	10,121	11,158	140,85
7,080	9,406	13,839	4,467	11,512	10,297	11,439	140,9
7,080	8,986	12,453	6,207	10,612	10,333	11,439	140,95
7,294	9,126	11,458	6,776	9,711	10,333	11,369	141
7,187	10,142	10,747	7,663	9,819	10,403	11,579	141,05
7,080	11,298	10,036	9,297	10,071	10,262	11,439	141,1
6,615	11,158	10,854	11,321	9,927	9,698	11,263	141,15
6,972	12,069	10,001	12,990	9,819	9,556	11,193	141,2
7,008	13,190	9,077	12,422	9,999	9,909	11,087	141,25
7,008	12,454	8,473	10,540	10,395	10,015	10,982	141,3
6,865	11,368	7,655	9,333	10,756	9,945	10,982	141,35
7,008	10,247	6,731	8,942	9,458	10,192	11,193	141,4
6,400	9,967	5,559	8,196	8,665	10,050	11,333	141,45
7,366	9,582	5,417	8,871	8,161	9,839	11,439	141,5
7,008	10,002	6,234	8,764	8,882	9,839	11,579	141,55
6,722	10,772	6,802	7,557	11,188	10,015	11,650	141,6
6,615	11,193	7,513	6,278	8,882	9,803	11,439	141,65
7,402	11,648	7,513	7,486	8,593	9,627	11,158	141,7
6,722	12,769	7,122	7,770	8,738	9,415	10,841	141,75
6,794	13,400	7,264	6,989	7,945	9,204	10,736	141,8
6,579	12,209	7,371	7,379	8,701	9,133	10,736	141,85
7,080	12,174	7,051	6,101	9,350	9,063	10,806	141,9
6,472	11,263	6,518	5,710	9,170	9,310	10,701	141,95
6,650	10,107	8,046	5,249	9,242	9,486	10,806	142
7,294	10,562	9,361	4,858	9,999	9,839	11,017	142,05
6,829	9,897	9,823	3,722	9,999	10,050	11,158	142,1
6,472	9,722	11,493	3,651	9,314	10,086	11,439	142,15
6,221	8,356	10,569	5,320	8,341	9,909	11,509	142,2
6,865	10,667	10,569	5,639	8,161	9,627	11,544	142,25
6,579	9,476	10,107	5,817	8,738	9,592	11,439	142,3
6,937	11,473	9,112	8,196	6,756	9,733	11,193	142,35
6,972	11,298	9,503	8,125	7,692	9,627	11,052	142,4
7,402	11,368	10,072	6,776	7,656	9,451	10,947	142,45

6,543	10,632	9,930	7,202	8,774	9,345	11,017	142,5
6,722	10,457	9,397	7,557	8,665	9,063	11,193	142,55
6,507	11,088	9,503	6,243	8,197	8,710	11,228	142,6
7,795	11,508	7,869	5,888	8,413	9,063	11,615	142,65
6,901	10,527	7,513	7,521	7,945	9,345	11,439	142,7
7,581	10,212	7,371	7,948	7,801	9,486	11,439	142,75
7,294	9,827	6,909	7,806	8,449	9,698	11,439	142,8
6,937	10,142	6,589	6,385	7,873	9,592	11,439	142,85
7,044	10,177	7,193	6,172	7,620	9,451	11,509	142,9
6,650	9,827	8,473	5,959	7,584	9,415	11,439	142,95
6,472	10,072	9,326	5,639	7,909	9,310	11,439	143
7,437	10,387	10,285	4,396	6,071	9,204	11,298	143,05
7,115	10,107	10,214	5,355	7,260	9,345	11,298	143,1
6,650	10,317	9,788	4,219	7,945	9,451	11,298	143,15
7,259	12,244	9,717	5,355	8,089	9,380	11,298	143,2
6,579	11,298	10,640	7,841	10,071	9,627	11,439	143,25
7,080	11,263	9,965	9,048	7,296	10,086	11,474	143,3
8,081	10,948	9,574	9,475	6,431	10,121	11,544	143,35
7,581	10,527	8,579	5,888	6,323	9,874	11,579	143,4
7,223	9,932	7,726	7,202	4,773	9,874	11,509	143,45
7,366	10,072	7,335	12,280	6,792	9,662	11,439	143,5
6,794	10,247	7,087	11,108	6,575	9,698	11,298	143,55
7,008	9,932	7,584	8,693	8,053	9,874	11,193	143,6
7,223	10,527	6,945	8,445	6,792	10,192	11,158	143,65
6,221	10,107	6,945	8,196	7,945	10,050	11,017	143,7
6,758	10,107	7,158	7,237	8,377	10,333	10,947	143,75
7,545	10,808	7,229	9,688	8,161	10,403	11,017	143,8
7,151	10,808	7,300	6,634	8,089	11,109	11,122	143,85
8,260	11,158	7,620	4,751	6,864	11,426	11,298	143,9
7,652	9,967	8,011	4,751	7,945	11,673	11,439	143,95
7,366	8,776	8,473	4,929	7,368	11,532	11,369	144
7,437	10,317	7,549	3,899	7,404	11,462	11,193	144,05
7,151	9,336	8,650	4,716	8,738	11,532	11,087	144,1
6,543	11,158	9,183	4,929	8,665	11,426	11,052	144,15
6,972	12,069	9,539	5,355	9,026	11,321	10,841	144,2
7,437	12,314	9,148	5,036	8,233	12,026	10,595	144,25
7,402	11,823	8,082	3,828	8,233	11,744	10,595	144,3
6,722	11,438	9,006	5,142	8,017	11,532	10,630	144,35
7,223	11,053	6,163	7,770	7,945	11,109	10,736	144,4
7,330	10,667	5,097	7,663	8,449	10,791	10,876	144,45
7,652	10,878	5,772	6,385	6,828	10,650	10,982	144,5
7,867	11,193	8,935	5,994	8,377	10,509	10,947	144,55
7,795	11,088	11,316	5,284	8,053	10,227	10,876	144,6
6,972	9,336	12,773	4,077	7,765	9,874	10,736	144,65
7,151	9,371	12,204	4,290	7,224	9,662	10,736	144,7
6,937	9,021	10,356	4,077	9,891	9,662	10,701	144,75
7,187	9,441	10,392	1,733	9,242	9,592	10,630	144,8
7,330	10,072	9,610	6,207	9,458	9,839	10,595	144,85
7,366	9,511	9,681	11,676	9,602	10,050	10,630	144,9
7,581	9,266	9,219	10,114	9,350	10,121	10,665	144,95
7,330	9,441	9,574	9,404	9,206	9,980	10,736	145
7,437	9,722	9,468	9,297	9,170	10,015	10,912	145,05
7,044	9,126	8,864	8,445	8,954	9,980	11,017	145,1
8,439	10,037	10,107	7,628	9,314	9,980	10,982	145,15
7,795	10,317	9,894	4,929	8,305	9,945	10,876	145,2

7,330	10,282	9,432	7,344	8,197	9,839	10,771	145,25
7,151	9,617	8,650	6,953	8,377	9,733	10,736	145,3
7,509	9,126	8,224	8,587	9,098	9,874	10,736	145,35
6,829	9,547	7,158	9,190	8,089	9,909	10,771	145,4
7,008	9,862	6,660	9,652	7,620	10,086	10,736	145,45
7,294	11,368	6,483	9,475	7,620	10,227	10,806	145,5
6,722	11,788	7,335	8,587	7,801	10,368	11,087	145,55
7,008	11,648	7,940	8,871	8,161	10,544	11,369	145,6
7,115	11,683	7,087	9,546	8,341	10,474	11,333	145,65
6,865	12,244	6,625	9,404	9,170	10,439	11,333	145,7
7,831	12,034	6,660	9,013	8,089	10,333	11,298	145,75
7,581	10,527	6,056	8,587	8,701	10,192	11,228	145,8
7,724	10,492	6,731	7,912	6,864	10,156	11,158	145,85
7,652	10,772	6,589	7,202	6,828	10,297	11,158	145,9
7,974	10,072	8,899	7,663	8,593	9,945	11,158	145,95
7,581	10,177	9,397	5,852	6,647	9,980	11,298	146
6,829	9,476	10,392	3,899	7,909	10,050	11,298	146,05
6,722	10,983	9,788	3,722	7,080	10,368	11,228	146,1
6,185	12,069	10,889	3,722	8,990	10,544	11,228	146,15
6,794	11,858	10,285	4,041	9,062	10,474	11,193	146,2
7,008	13,190	9,397	8,232	10,359	10,474	11,298	146,25
7,366	12,769	9,255	7,060	10,143	10,333	11,298	146,3
7,044	11,298	9,610	5,852	10,323	10,050	11,263	146,35
7,652	10,037	7,584	8,090	10,539	10,121	11,333	146,4
6,937	10,527	6,980	11,037	10,720	10,227	11,439	146,45
7,008	10,107	7,513	9,368	8,161	10,262	11,439	146,5
6,507	9,932	9,361	7,663	10,539	10,156	11,439	146,55
6,937	9,336	9,788	4,858	9,530	10,015	11,263	146,6
7,151	9,476	10,534	3,153	8,521	9,909	11,017	146,65
7,080	9,897	10,427	4,006	7,729	10,192	11,052	146,7
6,722	9,336	9,503	2,550	8,377	10,050	11,052	146,75
6,865	8,636	9,077	3,047	9,242	9,909	11,122	146,8
6,364	8,145	9,752	5,284	10,107	9,980	11,158	146,85
7,330	10,072	10,569	8,338	10,143	9,556	11,263	146,9
7,330	9,967	10,569	9,723	10,467	9,698	11,404	146,95
8,189	11,368	9,930	10,043	9,819	9,415	11,158	147
7,330	11,193	8,970	9,688	10,359	9,274	10,876	147,05
6,901	11,333	7,798	7,699	11,044	9,345	10,841	147,1
7,330	11,228	7,264	7,877	11,332	9,310	10,806	147,15
6,686	11,788	5,381	6,776	10,071	9,274	10,876	147,2
6,364	12,069	5,381	7,131	9,891	9,204	11,052	147,25
6,865	13,049	6,376	6,634	10,576	9,168	11,087	147,3
7,044	11,228	6,945	5,959	10,900	9,063	11,052	147,35
6,865	10,772	7,300	5,284	10,864	9,098	10,806	147,4
7,545	10,597	9,397	4,751	9,963	9,133	10,560	147,45
7,867	10,037	10,107	4,645	9,026	8,992	10,525	147,5
7,652	9,827	10,534	4,041	9,530	9,063	10,419	147,55
7,509	9,266	10,001	5,888	8,882	9,274	10,419	147,6
6,543	8,811	10,854	6,207	8,629	9,627	10,595	147,65
6,615	9,231	10,747	5,568	9,026	9,662	10,771	147,7
7,223	9,406	11,209	7,557	8,269	9,733	10,876	147,75
6,436	11,928	10,640	7,948	7,945	9,592	10,982	147,8
6,615	12,559	9,788	9,013	7,224	9,909	10,912	147,85
6,221	12,769	9,503	9,297	9,314	9,698	10,876	147,9
6,650	10,948	9,006	9,830	10,936	9,733	10,736	147,95

7,294	9,476	7,975	9,794	9,494	9,627	10,665	148
7,724	9,792	7,762	10,149	9,134	9,556	10,560	148,05
6,579	9,511	5,452	10,007	9,026	9,627	10,419	148,1
6,794	9,406	6,589	9,510	8,377	9,556	10,454	148,15
6,865	9,091	8,331	9,013	9,098	9,662	10,525	148,2
6,185	10,247	9,361	8,409	9,314	10,050	10,595	148,25
6,829	12,139	8,153	7,770	8,557	10,403	10,595	148,3
7,008	10,667	7,229	7,060	8,810	10,086	10,665	148,35
6,579	11,123	7,655	9,190	7,945	9,698	10,806	148,4
6,615	10,737	8,011	8,729	8,665	9,698	10,912	148,45
6,722	10,913	8,579	7,095	8,305	9,698	10,947	148,5
6,364	10,808	8,366	6,207	7,260	9,733	10,876	148,55
6,400	10,527	7,335	6,172	6,215	9,909	10,806	148,6
6,114	10,772	8,188	5,675	6,756	9,556	10,771	148,65
6,293	10,843	7,193	5,994	7,368	9,521	10,701	148,7
6,078	11,228	7,869	6,136	7,837	9,415	10,560	148,75
6,436	10,527	6,660	6,918	7,332	9,415	10,665	148,8
6,829	10,632	8,615	7,770	8,233	9,592	10,736	148,85
6,507	10,072	8,260	7,486	8,665	9,698	10,841	148,9
6,794	9,897	8,224	5,604	9,602	9,839	11,017	148,95
6,615	11,088	7,762	4,716	9,062	10,121	11,193	149
7,151	10,317	7,726	5,107	8,593	9,945	11,158	149,05
6,901	10,002	7,904	5,994	8,738	10,262	11,158	149,1
6,865	10,772	8,508	5,320	8,774	10,262	11,228	149,15
6,650	10,002	9,539	6,243	9,675	10,192	11,158	149,2
6,937	10,037	9,006	6,669	9,242	10,297	11,158	149,25
6,436	9,757	9,219	7,060	7,512	10,227	11,087	149,3
6,436	9,687	8,935	5,320	4,557	10,544	10,982	149,35
6,758	10,177	8,579	6,278	6,864	11,285	10,912	149,4
7,008	10,387	9,823	3,011	9,242	10,897	10,912	149,45
6,794	10,527	8,579	6,918	9,458	9,980	10,736	149,5
7,545	9,617	7,300	8,729	9,026	9,204	10,736	149,55
7,402	9,476	7,975	8,658	9,242	9,486	10,771	149,6
7,437	9,792	8,366	9,972	9,602	9,521	10,806	149,65
7,008	9,406	9,077	9,617	8,593	8,992	10,806	149,7
6,436	10,422	7,940	8,693	8,593	8,957	10,806	149,75
6,758	11,648	8,402	7,415	8,954	8,992	10,665	149,8
7,151	11,893	8,046	7,628	9,098	9,556	10,701	149,85
7,545	11,298	7,798	6,101	8,161	8,886	10,630	149,9
6,579	12,139	8,224	5,426	8,665	9,063	10,595	149,95
6,865	11,823	7,691	6,278	8,557	9,063	10,419	150
7,044	11,858	8,402	5,178	7,945	9,768	10,454	150,05
6,722	10,107	8,650	5,675	7,837	8,639	10,736	150,1
6,507	10,457	9,574	4,503	8,017	9,451	11,298	150,15
6,865	10,667	10,036	4,574	8,377	9,415	10,982	150,2
7,008	10,247	10,214	3,864	7,945	9,345	10,806	150,25
6,794	9,792	9,681	4,361	7,729	10,015	10,982	150,3
6,937	8,986	10,960	8,800	7,296	10,403	11,122	150,35
7,330	9,582	10,783	8,906	8,557	10,932	10,912	150,4
7,366	10,002	11,067	8,196	9,314	10,227	10,771	150,45
7,008	9,967	10,818	8,906	9,602	8,710	10,525	150,5
7,366	9,126	10,321	8,409	7,044	8,569	10,419	150,55
7,759	10,387	9,361	8,693	8,125	10,333	10,454	150,6
7,437	9,652	8,650	8,942	5,494	10,756	10,454	150,65
7,187	10,913	8,153	9,439	5,999	11,179	10,490	150,7

5,935	10,667	8,117	8,054	7,512	11,215	10,454	150,75
5,899	11,158	6,838	9,546	7,368	10,474	10,525	150,8
6,293	11,053	5,878	8,800	7,765	10,262	10,665	150,85
7,294	11,648	5,914	8,019	7,584	9,839	10,630	150,9
7,402	11,963	5,878	7,912	7,440	9,733	10,560	150,95
7,652	11,753	6,909	7,628	7,368	9,486	10,384	151
7,080	11,228	7,620	6,776	7,008	9,733	10,384	151,05
7,366	10,737	7,335	6,669	6,792	9,592	10,454	151,1
7,151	11,508	7,371	7,841	6,503	9,486	10,630	151,15
7,151	10,527	8,864	5,320	6,611	9,310	10,771	151,2
6,794	9,897	9,503	5,639	6,683	9,380	10,876	151,25
6,543	11,053	10,143	1,981	7,620	9,486	10,876	151,3
7,366	11,123	10,072	4,006	8,233	9,698	10,876	151,35
7,330	10,282	9,361	5,639	6,792	10,192	10,806	151,4
7,473	10,107	9,006	5,959	6,287	10,121	10,736	151,45
8,010	9,266	9,788	6,598	6,395	10,262	10,771	151,5
7,581	10,317	8,935	5,994	6,287	10,192	10,771	151,55
7,437	9,476	8,650	7,486	5,782	10,050	10,771	151,6
7,080	10,317	9,077	7,415	6,395	10,156	10,806	151,65
6,937	11,158	8,899	7,628	6,936	10,015	10,876	151,7
7,187	12,384	9,361	7,699	7,548	9,451	10,912	151,75
6,901	11,858	8,544	7,628	8,233	9,239	10,876	151,8
7,581	13,260	7,264	6,918	7,656	8,992	10,806	151,85
7,831	13,225	6,518	6,634	8,125	9,098	10,806	151,9
7,294	12,629	5,381	6,989	8,593	9,839	10,912	151,95
7,330	11,193	5,950	6,172	9,675	9,909	11,017	152
7,008	10,387	7,940	5,426	9,530	10,050	11,122	152,05
7,187	10,562	9,610	5,533	9,098	10,297	11,228	152,1
7,867	11,788	10,036	3,295	8,918	10,262	11,228	152,15
7,831	10,983	10,356	3,402	9,530	9,980	11,263	152,2
7,938	9,757	11,280	4,148	9,026	10,050	11,228	152,25
8,010	10,667	11,849	4,574	8,954	9,803	11,158	152,3
7,724	9,827	9,717	6,527	9,170	9,768	10,982	152,35
6,972	9,897	9,503	7,273	8,918	9,768	10,876	152,4
7,080	9,476	9,219	7,841	10,107	9,945	10,876	152,45
7,223	10,597	8,260	9,475	11,404	9,945	10,982	152,5
7,545	12,174	7,335	9,688	10,720	10,086	11,193	152,55
7,223	12,839	7,975	8,906	9,711	10,192	11,333	152,6
7,867	12,559	6,873	8,516	9,098	10,227	11,439	152,65
8,153	11,928	6,198	8,374	8,521	10,050	11,579	152,7
8,010	11,648	5,381	7,948	8,125	9,803	11,579	152,75
8,153	11,403	5,878	7,912	8,089	9,592	11,474	152,8
7,759	11,368	6,305	6,030	8,161	9,627	11,263	152,85
8,260	10,282	8,437	5,888	8,089	9,768	11,087	152,9
7,974	10,247	9,219	6,136	8,449	9,980	10,947	152,95
6,865	10,597	9,610	3,757	8,593	10,121	10,876	153
7,795	10,527	10,427	4,574	8,990	10,192	10,912	153,05
8,546	11,263	10,534	5,000	7,584	10,262	11,087	153,1
7,509	11,893	10,214	5,355	6,936	10,474	11,263	153,15
7,724	11,298	9,610	6,634	7,116	10,756	11,369	153,2
7,080	11,823	9,859	6,101	7,296	10,509	11,509	153,25
6,937	11,053	9,574	6,420	7,188	10,403	11,474	153,3
7,581	10,948	7,193	7,521	7,332	10,050	11,439	153,35
6,543	11,368	7,371	9,155	7,981	10,050	11,228	153,4
7,008	11,508	7,158	7,344	8,017	9,486	11,052	153,45

6,972	11,123	7,300	7,131	8,377	9,486	10,876	153,5
6,865	10,597	8,508	7,735	7,837	10,192	10,665	153,55
6,579	9,862	8,473	5,639	8,738	9,556	10,595	153,6
7,259	9,722	10,854	5,923	7,945	9,098	10,595	153,65
7,223	9,932	10,712	5,036	7,765	9,521	10,701	153,7
7,044	10,037	11,351	5,355	9,062	9,839	10,947	153,75
6,829	10,247	10,996	4,929	7,440	10,050	11,193	153,8
6,865	9,932	10,072	7,841	8,089	9,698	11,439	153,85
6,901	10,632	9,432	7,770	9,314	10,156	11,544	153,9
7,545	10,562	8,650	7,841	6,972	11,144	11,509	153,95
7,187	12,174	8,650	9,333	7,152	11,074	11,369	154
6,686	11,648	7,655	9,475	6,792	10,544	11,228	154,05
6,901	10,702	5,878	9,084	8,774	9,274	11,017	154,1
6,972	10,878	5,097	8,090	7,801	9,592	10,876	154,15
6,543	10,983	5,274	7,628	7,440	9,345	10,806	154,2
6,579	10,667	5,736	7,202	8,053	9,133	10,806	154,25
7,044	10,317	7,726	6,705	7,837	9,027	10,912	154,3
7,115	9,511	10,783	6,634	6,936	8,921	11,052	154,35
6,865	11,403	10,143	4,858	6,936	9,274	11,158	154,4
7,437	10,597	9,361	5,497	5,855	9,027	11,298	154,45
6,615	11,403	9,432	5,213	7,440	9,168	11,298	154,5
6,615	11,368	8,722	4,929	6,215	9,768	11,298	154,55
6,722	11,508	8,650	6,278	7,873	9,803	11,193	154,6
7,187	11,193	9,219	7,202	7,404	9,980	11,052	154,65
7,080	11,648	9,432	6,669	7,729	9,909	10,912	154,7
6,865	11,298	9,397	6,278	9,314	9,909	10,806	154,75
7,366	11,088	9,112	6,492	7,584	9,662	10,806	154,8
7,008	10,808	9,290	5,142	9,062	9,451	10,876	154,85
6,650	10,317	8,544	4,965	7,729	9,627	10,947	154,9
6,650	9,687	8,224	6,634	6,900	9,627	11,017	154,95
6,758	10,387	8,402	6,669	7,080	9,768	11,052	155
6,686	10,072	9,219	6,989	6,287	9,945	11,087	155,05
6,615	10,808	10,036	6,918	7,080	9,733	11,052	155,1
6,507	11,788	9,788	6,598	7,152	9,945	11,052	155,15
7,294	11,963	8,544	6,563	7,152	9,063	11,087	155,2
6,829	11,753	8,082	6,847	7,729	10,050	11,087	155,25
6,650	11,368	7,300	7,912	7,765	9,662	11,017	155,3
6,758	10,037	7,229	7,628	8,161	9,733	10,947	155,35
6,185	10,387	7,584	7,202	7,729	10,050	10,841	155,4
6,829	10,667	7,051	5,639	7,548	9,063	10,771	155,45
7,187	10,002	8,650	6,349	8,125	8,604	10,806	155,5
7,187	10,352	11,138	5,284	7,368	8,392	10,947	155,55
6,078	10,282	12,773	4,503	7,584	8,463	10,982	155,6
6,293	10,422	11,991	5,568	7,116	8,145	10,982	155,65
6,114	10,177	10,925	4,893	7,116	8,110	10,876	155,7
6,901	10,457	10,143	6,705	7,080	7,969	10,876	155,75
6,436	12,209	10,250	7,486	8,954	8,216	10,771	155,8
7,080	11,088	9,112	10,078	8,882	8,780	10,736	155,85
5,863	12,244	8,544	12,209	8,629	8,992	10,771	155,9
6,185	11,438	8,402	11,073	8,089	8,463	10,806	155,95
6,579	11,158	6,447	9,830	8,017	8,639	10,912	156
6,758	10,843	7,691	9,617	7,729	8,498	10,982	156,05
7,008	11,053	9,077	9,226	7,512	8,463	11,017	156,1
7,115	11,123	10,107	8,480	7,873	8,286	10,982	156,15
7,080	10,737	9,503	6,989	7,620	8,357	10,876	156,2

6,758	10,177	9,930	6,776	8,017	8,675	10,876	156,25
6,722	11,088	9,717	5,568	8,557	8,992	10,771	156,3
6,472	9,897	9,219	5,568	8,557	9,133	10,841	156,35
6,543	11,018	9,219	4,822	7,801	9,556	10,982	156,4
6,937	11,893	9,183	5,923	7,224	9,345	10,982	156,45
6,472	11,648	9,432	6,918	7,152	9,380	11,052	156,5
7,080	10,667	9,112	9,262	6,395	9,415	11,158	156,55
7,151	9,652	8,011	9,048	8,485	9,521	11,298	156,6
6,472	10,037	7,975	8,090	8,269	9,698	11,228	156,65
6,579	9,967	7,869	8,232	8,629	9,698	11,158	156,7
6,293	10,317	7,229	9,013	8,882	9,486	11,017	156,75
6,543	10,142	8,579	7,948	8,413	9,768	10,876	156,8
6,686	10,037	9,645	7,841	8,089	9,980	10,806	156,85
6,901	11,683	9,219	5,923	8,125	9,627	10,841	156,9
7,151	11,438	9,006	6,207	8,377	9,909	10,841	156,95
7,473	11,963	8,366	5,284	8,629	9,592	10,876	157
7,437	11,648	7,549	6,918	9,062	9,380	10,876	157,05
7,151	11,088	6,980	7,344	8,485	9,521	10,912	157,1
7,151	10,422	6,873	7,131	8,125	9,874	11,017	157,15
7,115	9,862	6,767	6,776	7,801	9,768	10,947	157,2
7,759	10,597	7,087	6,243	8,341	10,262	10,876	157,25
7,008	9,967	8,188	6,989	7,945	10,050	10,665	157,3
6,507	10,597	11,351	5,142	6,936	9,980	10,595	157,35
6,436	10,527	11,991	3,935	9,242	9,556	10,454	157,4
6,865	10,457	11,067	4,077	8,882	9,380	10,595	157,45
6,436	11,228	10,356	5,355	8,629	9,415	10,595	157,5
7,437	11,368	10,321	5,639	9,819	9,592	10,595	157,55
7,366	10,878	9,717	8,338	9,170	9,592	10,595	157,6
6,722	10,107	10,072	10,824	8,918	9,909	10,595	157,65
7,008	9,371	8,722	10,682	8,990	10,156	10,525	157,7
6,758	9,547	8,508	11,605	7,765	10,686	10,525	157,75
6,937	9,547	8,437	11,392	7,368	10,827	10,490	157,8
7,115	10,667	8,082	12,458	7,152	10,580	10,419	157,85
6,865	10,492	7,869	10,824	6,467	10,615	10,419	157,9
7,008	11,578	7,264	9,333	5,999	10,403	10,419	157,95
7,724	12,629	6,518	9,475	3,764	10,050	10,349	158
7,330	12,174	6,589	9,901	3,548	9,627	10,314	158,05
6,436	10,737	6,625	9,333	5,963	9,345	10,244	158,1
6,328	10,352	5,665	8,977	6,467	8,710	10,244	158,15
6,686	10,387	5,736	7,486	7,224	9,204	10,384	158,2
6,829	10,772	4,883	6,847	7,512	9,768	10,490	158,25
6,615	11,648	7,122	6,811	7,945	10,015	10,595	158,3
6,758	10,422	9,041	6,492	5,494	9,415	10,630	158,35
7,437	10,177	8,650	5,071	5,999	9,662	10,665	158,4
6,543	10,212	7,798	6,776	10,251	9,803	10,771	158,45
6,543	10,352	7,975	5,923	8,954	10,121	10,876	158,5
7,509	10,212	8,117	4,219	7,837	10,156	10,876	158,55
7,259	10,597	8,295	6,207	5,927	10,192	10,876	158,6
7,437	11,648	8,437	4,574	5,999	9,980	10,806	158,65
7,115	10,317	8,544	4,858	6,107	9,839	10,736	158,7
7,151	10,072	8,366	4,219	8,521	9,486	10,665	158,75
6,650	9,967	8,011	4,503	8,593	9,345	10,595	158,8
6,293	9,757	7,940	4,858	9,098	9,168	10,630	158,85
6,507	9,967	8,153	6,314	8,738	9,380	10,595	158,9
6,436	10,072	7,442	5,852	9,458	9,768	10,701	158,95

6,794	10,177	8,437	6,598	9,098	9,733	10,771	159
6,722	11,228	7,726	6,030	9,675	9,592	10,771	159,05
7,366	11,788	8,579	5,781	8,521	9,733	10,806	159,1
6,972	12,069	6,660	8,090	7,945	10,015	10,982	159,15
6,901	11,228	7,122	7,912	10,431	9,803	11,017	159,2
7,294	10,352	6,802	7,557	9,278	9,380	11,017	159,25
6,579	9,056	6,625	6,207	8,990	9,239	11,158	159,3
6,507	10,107	6,198	7,131	10,107	9,239	11,193	159,35
6,436	10,177	5,665	6,598	9,819	9,204	11,017	159,4
7,473	9,582	7,904	5,923	9,819	9,204	10,736	159,45
7,652	9,617	10,001	5,675	8,665	9,133	10,525	159,5
7,330	10,002	10,285	5,781	7,801	9,133	10,454	159,55
6,758	9,406	9,859	3,935	7,404	9,098	10,560	159,6
6,937	9,266	8,793	5,675	7,224	9,380	10,665	159,65
6,436	10,247	8,544	5,426	7,584	9,310	10,806	159,7
6,400	11,158	7,513	8,764	7,332	9,592	10,876	159,75
6,364	13,014	7,087	8,693	6,756	9,627	10,947	159,8
6,150	13,575	6,980	8,374	6,071	9,451	10,912	159,85
6,472	12,279	6,554	7,912	5,638	9,733	10,806	159,9
6,937	10,422	6,447	7,344	6,936	9,839	10,736	159,95
7,294	9,827	5,701	7,415	8,017	9,980	10,701	160
7,652	9,792	6,873	6,172	9,638	9,980	10,595	160,05
7,616	10,282	9,432	5,923	10,323	10,121	10,595	160,1
7,223	10,387	10,107	4,503	7,981	10,297	10,630	160,15
6,722	8,145	10,534	5,710	8,197	10,403	10,736	160,2
5,398	10,107	10,783	5,426	6,972	10,756	11,017	160,25
6,543	10,632	10,178	3,970	6,359	11,038	11,193	160,3
6,221	11,683	8,757	5,568	7,116	10,791	11,193	160,35
6,114	11,333	8,650	5,107	8,810	11,003	11,122	160,4
6,794	10,317	9,219	6,989	9,386	10,827	11,052	160,45
6,722	9,617	9,539	8,942	8,161	10,968	11,017	160,5
7,008	9,687	8,153	9,617	6,756	10,932	11,052	160,55
7,008	8,636	7,193	9,048	8,882	10,791	11,158	160,6
6,507	8,426	6,056	9,333	7,152	10,686	11,298	160,65
7,008	9,757	7,051	8,942	7,044	10,791	11,298	160,7
6,293	10,107	8,224	9,404	7,729	10,721	11,298	160,75
6,758	10,632	8,117	7,948	8,413	10,509	11,158	160,8
7,223	11,788	6,980	7,663	7,656	10,721	11,158	160,85
7,187	12,139	6,589	7,770	8,017	10,544	11,228	160,9
7,080	11,648	7,335	6,634	7,945	10,756	11,228	160,95
6,650	9,932	6,518	6,492	7,260	10,615	11,193	161
6,257	9,652	6,092	5,817	6,864	10,827	11,298	161,05
6,364	10,632	7,371	5,639	6,756	10,721	11,228	161,1
7,008	11,228	8,935	5,994	7,584	10,262	11,193	161,15
6,615	11,368	10,285	5,355	7,873	10,297	11,158	161,2
7,259	10,387	11,316	4,574	7,873	10,439	11,404	161,25
7,437	9,757	11,138	3,082	8,521	10,403	11,474	161,3
6,579	10,317	9,894	3,402	8,738	10,615	11,439	161,35
6,543	9,897	9,788	5,036	7,729	10,791	11,439	161,4
6,293	9,021	10,036	6,918	7,080	10,756	11,439	161,45
6,328	9,897	8,793	8,267	7,152	10,756	11,298	161,5
7,008	10,282	8,686	7,912	7,909	10,686	11,369	161,55
7,044	11,123	7,833	7,628	7,296	10,897	11,298	161,6
7,151	9,792	7,940	7,131	7,620	10,897	11,474	161,65
6,722	10,247	8,082	7,131	8,377	10,897	11,615	161,7

6,794	9,687	8,935	7,557	8,413	10,544	11,579	161,75
6,400	9,687	8,117	6,776	8,521	9,803	11,369	161,8
6,257	8,811	8,366	6,598	9,062	9,486	11,087	161,85
6,007	10,317	8,082	7,202	9,098	10,192	10,841	161,9
6,722	12,419	8,579	6,634	9,711	10,368	10,736	161,95
6,937	11,508	9,361	5,888	9,675	10,509	10,771	162
6,829	10,808	8,579	6,563	9,819	10,509	10,876	162,05
6,829	10,247	8,935	6,989	8,593	10,686	11,052	162,1
6,972	10,878	8,366	7,877	7,008	10,791	11,158	162,15
6,865	11,823	9,077	8,303	8,017	10,721	11,298	162,2
7,259	10,808	7,726	8,764	7,116	10,897	11,404	162,25
6,937	10,597	7,158	9,688	7,476	10,615	11,228	162,3
6,829	10,002	6,447	9,510	7,692	10,192	11,158	162,35
6,722	9,441	6,021	9,048	9,170	9,839	11,087	162,4
6,650	10,212	6,589	8,587	8,810	10,650	11,087	162,45
6,507	10,387	8,331	9,617	8,305	9,874	11,122	162,5
6,293	11,368	8,686	7,877	8,557	10,121	11,158	162,55
6,436	10,562	7,869	8,054	7,729	9,698	10,947	162,6
6,507	10,212	7,335	8,871	7,801	9,627	10,947	162,65
6,114	10,457	7,513	7,095	6,323	9,451	10,876	162,7
7,473	10,948	6,731	8,196	6,431	9,345	11,087	162,75
7,115	11,368	7,442	6,420	5,855	9,133	11,052	162,8
7,509	10,387	7,691	5,426	6,215	9,345	10,876	162,85
7,831	11,508	9,112	5,710	7,152	9,451	10,841	162,9
7,509	9,126	9,894	5,071	8,449	9,345	10,595	162,95
7,545	9,266	9,148	5,710	8,233	9,380	10,490	163
7,294	10,247	9,574	6,314	8,089	9,945	10,595	163,05
6,543	10,737	9,645	6,207	7,945	10,756	10,806	163,1
6,722	11,998	8,970	6,136	8,161	11,179	10,982	163,15
6,722	12,069	8,757	5,639	7,909	10,474	11,263	163,2
7,151	13,119	8,331	6,776	8,665	10,156	11,579	163,25
7,080	11,648	7,940	6,243	8,341	10,615	11,755	163,3
6,972	11,263	7,442	7,237	8,305	10,227	11,931	163,35
7,509	10,843	8,082	9,333	8,125	10,474	11,861	163,4
7,724	10,667	7,371	8,835	8,665	10,544	11,861	163,45
7,437	10,107	9,503	8,906	8,557	9,909	11,826	163,5
7,080	9,582	8,437	7,699	8,593	9,521	11,790	163,55
6,865	10,037	8,615	7,486	8,413	9,733	11,650	163,6
6,472	9,617	11,351	6,847	7,332	9,662	11,439	163,65
6,937	10,247	11,067	5,320	6,936	9,415	11,333	163,7
7,330	11,368	10,392	7,060	6,972	9,133	11,544	163,75
6,901	10,772	10,463	5,497	7,224	8,780	11,579	163,8
6,722	11,228	10,392	7,912	7,368	8,921	11,650	163,85
7,902	11,858	9,788	6,101	7,729	8,780	11,615	163,9
6,901	11,683	8,260	10,931	6,395	8,639	11,579	163,95
6,865	9,547	7,513	12,742	5,746	8,639	11,439	164
6,829	10,107	6,696	12,564	5,314	9,451	11,439	164,05
7,509	9,862	6,198	10,789	7,224	9,768	11,369	164,1
7,652	10,247	6,376	10,362	7,873	9,627	11,263	164,15
7,867	11,368	7,798	10,114	8,449	9,274	11,087	164,2
7,724	10,808	9,361	9,013	8,377	8,992	10,912	164,25
7,759	11,368	8,224	7,592	6,972	9,310	10,701	164,3
7,652	11,298	7,407	7,344	7,512	9,345	10,595	164,35
8,010	11,578	8,188	8,338	6,215	9,415	10,630	164,4
7,008	11,508	7,691	5,497	6,719	9,380	10,876	164,45

6,758	10,632	7,904	5,568	7,656	9,627	10,947	164,5
6,972	11,648	8,579	4,325	7,656	9,698	11,017	164,55
7,724	12,559	8,153	4,893	7,873	9,980	11,017	164,6
7,938	12,454	9,290	3,153	7,620	10,192	11,017	164,65
7,402	11,928	10,427	4,148	6,683	10,333	10,912	164,7
7,008	11,368	11,600	5,000	7,548	10,297	10,947	164,75
6,794	10,247	10,534	5,107	8,738	10,156	11,087	164,8
7,688	9,862	10,925	5,178	8,089	10,015	11,298	164,85
7,581	10,212	10,712	4,645	8,341	9,874	11,474	164,9
7,294	10,878	11,280	5,746	8,665	9,768	11,122	164,95
7,187	10,808	12,097	6,101	9,098	9,768	10,876	165
7,259	10,772	11,209	5,604	8,774	9,768	10,947	165,05
7,437	10,737	10,356	7,841	8,089	9,909	11,017	165,1
8,117	10,352	9,290	10,007	7,729	9,980	11,052	165,15
7,724	9,336	7,584	10,540	7,440	10,156	11,193	165,2
6,758	8,846	7,869	9,759	7,404	10,192	11,298	165,25
6,829	8,180	7,620	9,723	6,900	10,192	11,017	165,3
7,831	8,671	8,473	9,759	7,584	10,121	10,982	165,35
7,759	9,056	8,722	9,048	7,945	10,121	10,701	165,4
8,868	9,511	10,463	8,764	8,377	10,192	10,771	165,45
7,437	9,196	10,001	4,822	9,314	10,262	10,314	165,5
7,008	9,967	9,112	5,639	9,530	10,333	10,349	165,55
6,722	9,792	8,544	5,923	8,701	10,333	10,595	165,6
7,294	10,772	8,260	6,847	8,846	10,192	10,736	165,65
6,901	11,193	7,513	8,196	8,521	10,050	10,736	165,7
7,044	12,769	6,802	6,669	6,431	10,015	10,736	165,75
7,867	13,435	6,980	7,131	5,638	10,086	10,630	165,8
7,509	11,858	7,655	8,267	5,638	10,086	10,876	165,85
7,115	11,228	8,508	7,628	6,936	10,050	10,665	165,9
7,652	10,597	8,615	5,107	7,440	10,086	10,806	165,95
7,581	9,722	9,361	6,207	6,936	10,121	10,771	166
7,974	9,371	8,864	4,787	7,296	10,227	10,701	166,05
7,115	9,196	9,610	4,325	7,873	10,192	10,595	166,1
6,722	10,107	10,783	5,320	8,233	9,945	10,595	166,15
6,758	9,476	11,422	7,166	7,801	9,945	10,701	166,2
6,758	10,177	10,960	6,669	7,656	9,980	10,771	166,25
6,865	10,878	10,356	7,983	7,801	9,980	10,947	166,3
6,865	11,088	10,178	8,267	7,404	10,086	10,947	166,35
6,937	9,406	9,361	8,480	8,413	10,086	10,876	166,4
6,972	9,897	9,255	9,581	9,530	10,050	11,052	166,45
6,937	9,792	9,148	9,546	8,701	10,086	11,087	166,5
7,581	10,387	8,295	8,658	9,170	10,050	11,017	166,55
7,437	9,967	7,335	9,688	8,774	9,945	10,806	166,6
7,294	10,772	7,513	8,161	10,936	9,945	10,560	166,65
7,688	11,508	7,833	8,232	10,107	9,980	10,771	166,7
7,115	10,808	7,513	7,663	10,359	10,015	10,806	166,75
8,224	10,632	6,767	7,202	9,314	10,086	10,912	166,8
7,294	10,772	5,701	7,486	9,458	10,050	11,052	166,85
7,044	10,562	5,665	8,267	9,278	9,874	11,052	166,9
6,543	10,247	5,061	8,835	8,593	10,368	11,158	166,95
6,937	10,878	6,731	9,901	8,233	10,509	11,298	167
6,937	11,368	6,554	7,060	9,350	10,192	11,228	167,05
7,115	12,069	8,295	7,415	10,684	10,050	11,087	167,1
7,581	11,788	8,935	10,647	11,729	10,297	11,017	167,15
7,581	11,788	11,351	7,131	9,566	9,698	10,876	167,2

7,581	10,667	9,006	7,379	9,927	9,310	10,947	167,25
8,046	10,352	7,869	4,858	9,386	9,133	11,052	167,3
7,223	11,648	7,513	4,893	9,386	9,310	11,052	167,35
7,545	10,948	6,092	4,787	8,954	8,957	11,193	167,4
7,581	10,177	6,945	4,965	9,458	9,345	11,263	167,45
7,581	10,737	10,605	4,893	8,954	9,556	11,158	167,5
7,294	10,212	10,321	5,284	10,431	9,521	11,017	167,55
7,402	11,858	10,001	6,776	9,242	9,556	10,876	167,6
7,795	11,368	10,143	3,366	7,368	9,698	10,771	167,65
8,367	10,667	9,468	1,946	7,116	9,698	10,736	167,7
7,509	11,193	9,539	5,355	7,584	9,839	10,771	167,75
8,117	11,053	8,366	8,445	7,837	9,803	10,876	167,8
8,403	10,247	7,798	9,546	8,125	9,803	10,947	167,85
8,117	10,878	8,046	9,084	8,593	9,839	10,947	167,9
7,759	11,508	8,793	8,729	8,449	9,839	11,087	167,95
6,794	11,963	9,361	7,877	9,927	9,980	11,158	168
6,686	11,683	10,854	7,415	9,314	10,050	11,122	168,05
6,794	11,998	10,463	5,781	9,134	10,050	11,052	168,1
7,652	12,174	10,214	4,716	9,783	9,980	10,947	168,15
7,867	11,648	9,823	3,473	9,026	9,980	10,876	168,2
7,759	11,158	9,361	5,249	9,783	10,015	10,841	168,25
7,259	10,843	8,508	6,243	9,999	10,121	10,876	168,3
6,722	10,107	9,255	5,852	10,756	10,121	10,982	168,35
7,151	10,737	9,539	7,735	10,107	10,156	10,947	168,4
7,938	10,948	9,645	7,770	9,206	10,192	11,017	168,45
7,581	10,808	9,859	6,811	8,665	10,156	11,087	168,5
7,294	9,967	10,463	6,634	8,413	10,156	11,158	168,55
7,187	9,021	10,285	6,847	8,233	10,262	11,193	168,6
7,688	9,722	10,392	5,994	8,233	10,297	11,228	168,65
7,759	9,301	10,889	8,445	8,125	10,333	11,122	168,7
7,652	10,457	11,600	5,142	8,017	10,262	10,982	168,75
7,974	10,597	11,422	4,006	7,656	10,156	10,876	168,8
7,509	9,617	10,285	6,918	6,792	10,050	10,876	168,85
7,616	10,527	9,574	8,409	8,089	9,980	10,947	168,9
6,865	11,788	8,793	8,409	8,125	10,015	11,052	168,95
6,937	10,948	9,432	9,013	7,296	10,015	11,017	169
7,115	11,928	9,290	9,013	7,584	10,086	11,052	169,05
7,581	11,998	8,508	9,297	6,683	10,121	11,017	169,1
7,008	11,998	7,158	8,906	7,584	10,050	10,982	169,15
6,901	11,473	7,229	8,409	6,972	10,192	10,912	169,2
6,615	11,228	5,914	7,486	6,756	10,333	10,912	169,25
6,794	12,209	4,990	7,521	7,008	10,544	10,876	169,3
7,581	11,508	5,950	7,486	7,548	10,862	10,982	169,35
7,867	10,037	7,087	6,278	7,873	11,074	10,947	169,4
8,439	9,792	8,970	8,125	7,620	11,250	10,912	169,45
8,511	9,932	7,975	5,568	7,801	11,179	10,806	169,5
8,475	10,177	9,468	5,959	7,044	10,262	10,701	169,55
7,294	9,547	10,818	5,568	7,656	10,121	10,630	169,6
7,902	8,601	8,935	4,183	7,512	9,945	10,595	169,65
7,545	9,056	11,209	2,621	7,476	9,803	10,701	169,7
7,044	11,788	11,209	2,585	7,440	9,662	10,806	169,75
7,223	13,750	9,859	3,686	7,584	9,803	10,912	169,8
7,688	13,890	10,036	7,770	8,377	9,768	10,806	169,85
7,724	12,909	8,473	9,759	9,062	9,909	10,806	169,9
8,189	11,508	7,513	8,267	9,386	9,909	10,806	169,95

8,296	11,683	6,092	8,409	9,819	9,662	10,876	170
7,867	9,722	4,599	8,019	8,954	9,627	10,876	170,05
7,437	9,336	4,635	7,131	8,954	9,486	10,876	170,1
7,581	9,056	8,686	6,563	8,990	9,133	10,876	170,15
7,187	10,808	9,290	5,746	9,494	9,204	10,841	170,2
6,972	11,228	9,681	5,142	9,819	9,204	10,912	170,25
6,543	13,960	9,681	5,213	10,179	9,310	10,947	170,3
7,259	13,645	8,686	4,822	9,638	9,345	10,876	170,35
7,294	11,718	8,864	5,036	9,530	9,345	10,841	170,4
6,185	12,594	8,650	5,462	9,819	9,592	10,912	170,45
7,545	11,368	7,478	6,420	10,395	9,556	10,947	170,5
8,153	10,843	6,198	8,622	10,972	9,909	11,052	170,55
7,831	10,247	7,620	9,723	10,936	9,627	11,087	170,6
7,545	9,406	9,574	8,906	9,170	9,486	11,122	170,65
7,974	10,037	11,351	7,841	9,458	9,592	11,087	170,7
7,437	9,827	10,676	7,628	9,675	9,521	11,017	170,75
7,795	10,632	10,747	6,918	9,026	9,486	10,912	170,8
7,581	10,667	11,955	6,882	9,927	9,874	10,876	170,85
7,831	10,772	10,001	7,841	10,900	9,945	10,841	170,9
7,437	11,368	9,610	6,634	10,395	9,909	10,806	170,95
7,652	11,788	9,645	8,871	10,431	9,909	10,876	171
7,581	11,333	8,260	9,333	10,756	9,909	10,982	171,05
7,151	10,072	8,650	9,723	10,107	9,909	11,122	171,1
7,080	11,298	6,945	9,794	8,738	10,121	11,158	171,15
7,366	11,193	6,554	9,475	8,882	10,297	11,158	171,2
7,795	9,967	7,051	9,617	8,954	10,333	11,052	171,25
7,902	9,967	7,833	9,155	9,566	10,333	10,982	171,3
7,545	9,757	8,331	8,125	8,701	10,333	10,841	171,35
7,509	10,597	9,574	6,989	8,485	10,333	10,876	171,4
7,437	9,967	9,539	6,420	8,665	10,403	10,876	171,45
7,151	9,932	9,006	6,207	8,233	10,368	11,017	171,5
6,937	11,858	8,473	6,492	8,017	10,156	11,052	171,55
6,364	11,473	7,584	4,965	8,305	10,015	11,017	171,6
6,937	10,843	7,513	6,207	8,125	9,909	10,947	171,65
7,545	10,843	7,549	6,030	7,584	9,839	10,947	171,7
7,724	11,508	7,264	6,882	7,620	9,909	10,947	171,75
7,759	10,702	7,513	7,521	8,846	10,015	10,982	171,8
8,081	9,897	9,503	8,267	8,413	10,121	10,876	171,85
7,187	9,301	10,285	6,385	8,665	10,262	10,912	171,9
7,402	9,687	10,036	6,243	9,783	10,262	10,876	171,95
7,294	9,511	9,361	7,166	10,071	10,227	10,947	172
7,724	11,158	9,645	6,953	8,665	10,297	11,017	172,05
6,758	10,527	9,006	7,628	8,521	10,368	11,017	172,1
7,330	10,317	8,650	7,450	8,233	10,403	11,087	172,15
7,223	11,263	8,153	6,634	8,233	10,474	11,017	172,2
7,080	12,349	7,407	7,202	8,665	10,686	10,947	172,25
6,794	13,330	6,873	7,344	7,873	10,756	10,912	172,3
7,187	14,030	6,731	7,344	7,152	10,686	10,912	172,35
7,402	12,769	6,945	7,806	6,467	10,509	10,876	172,4
7,151	11,578	6,269	7,628	6,071	10,227	11,017	172,45
7,473	11,508	5,203	7,592	6,359	9,627	11,087	172,5
8,081	10,772	4,031	6,314	7,801	9,521	11,087	172,55
7,616	9,897	5,097	6,705	7,512	9,733	11,122	172,6
6,865	10,107	6,518	7,060	8,269	10,403	11,122	172,65
6,615	9,441	9,717	6,492	9,278	10,756	11,158	172,7

6,650	7,865	11,884	6,207	7,116	11,074	11,158	172,75
7,974	9,582	12,488	4,858	7,512	10,827	11,228	172,8
7,652	10,808	10,960	3,295	9,422	10,333	11,228	172,85
7,294	10,667	9,894	4,148	7,909	10,015	11,158	172,9
7,151	10,948	9,717	7,699	8,269	9,627	11,017	172,95
7,831	9,897	9,219	8,409	5,242	10,262	10,947	173
7,437	8,741	9,219	10,611	6,900	9,521	10,876	173,05
7,795	10,177	9,219	11,428	6,467	9,415	10,982	173,1
7,831	10,072	8,793	10,469	6,575	9,345	11,122	173,15
7,724	11,543	7,904	10,576	6,864	10,333	11,228	173,2
6,937	11,578	6,731	9,936	6,611	10,333	11,298	173,25
7,259	9,722	6,198	9,262	8,593	10,192	11,333	173,3
6,615	10,527	5,026	8,942	7,368	10,050	11,298	173,35
6,722	11,718	6,234	8,338	6,647	9,698	11,193	173,4
5,577	13,365	6,945	7,273	6,431	9,486	11,122	173,45
5,792	13,960	9,077	7,912	6,539	9,345	11,017	173,5
6,937	12,769	7,549	6,492	4,521	9,204	10,947	173,55
7,652	11,368	7,371	6,563	7,656	8,851	10,912	173,6
7,044	11,368	7,620	3,935	9,350	8,851	10,947	173,65
6,722	11,438	5,736	6,136	8,521	9,310	11,017	173,7
7,044	10,107	8,295	5,142	12,990	9,027	11,158	173,75
7,080	9,547	10,534	5,568	10,539	9,627	11,228	173,8
7,724	9,582	11,813	4,503	10,792	9,592	11,298	173,85
7,724	9,196	11,671	4,432	10,612	9,521	11,298	173,9
6,865	9,056	11,387	4,680	9,747	9,768	11,369	173,95
6,293	8,811	10,285	7,379	10,648	10,121	11,439	174
6,436	8,496	8,864	7,912	11,368	10,368	11,439	174,05
5,613	7,165	9,255	8,196	10,828	10,580	11,369	174,1
6,865	9,827	9,645	9,439	10,107	9,874	11,298	174,15
7,437	10,808	9,183	8,303	10,828	9,627	11,228	174,2
7,688	10,702	9,326	8,480	10,539	9,133	11,193	174,25
7,581	9,547	8,864	8,125	10,107	9,345	11,298	174,3
7,902	10,247	8,650	7,770	9,819	9,627	11,369	174,35
7,008	10,457	7,691	8,622	9,350	9,627	11,439	174,4
7,294	9,301	6,731	7,948	9,675	9,556	11,509	174,45
6,579	10,948	6,767	7,806	11,332	9,380	11,579	174,5
6,686	11,088	6,447	7,948	12,810	9,592	11,579	174,55
6,436	11,928	6,269	7,202	10,972	9,592	11,685	174,6
5,935	11,928	5,878	7,202	10,576	9,733	11,650	174,65
6,150	12,139	6,838	6,492	8,738	9,521	11,509	174,7
6,794	11,018	8,082	5,959	9,602	9,168	11,439	174,75
7,008	10,527	8,508	5,142	9,602	8,992	11,298	174,8
7,616	10,212	7,051	3,757	9,422	9,345	11,158	174,85
7,223	9,967	8,402	4,112	8,593	9,415	11,087	174,9
6,937	11,018	11,209	3,651	8,665	9,345	11,087	174,95
6,829	11,403	12,559	3,544	9,638	9,556	11,122	175
7,509	10,352	12,026	2,940	11,368	10,262	11,158	175,05
7,187	10,282	10,747	5,852	11,188	9,768	11,193	175,1
6,865	11,928	9,788	6,101	11,188	9,874	11,193	175,15
6,078	9,862	8,722	6,776	10,828	10,050	11,087	175,2
6,758	11,438	8,331	9,475	10,431	9,556	10,947	175,25
6,865	11,298	9,006	8,729	10,179	9,662	10,876	175,3
7,294	10,247	8,260	9,723	9,062	9,345	10,736	175,35
7,330	10,808	8,650	9,404	8,990	9,486	10,701	175,4
7,581	10,247	7,478	8,551	9,386	9,345	10,630	175,45

7,151	10,317	8,295	7,699	9,494	8,957	10,525	175,5
7,115	10,352	8,722	6,349	9,638	8,886	10,560	175,55
7,724	11,158	8,722	5,675	9,530	8,886	10,665	175,6
7,008	10,282	8,686	4,893	9,675	8,498	10,771	175,65
6,686	10,667	8,473	6,207	8,089	9,310	10,841	175,7
7,151	11,893	9,610	6,989	7,368	9,451	10,841	175,75
6,436	11,228	9,930	6,527	7,620	9,556	10,771	175,8
6,507	11,088	10,143	6,598	7,656	9,662	10,701	175,85
6,972	12,069	10,143	5,639	7,584	9,345	10,665	175,9
7,831	11,788	8,579	6,634	8,089	9,310	10,630	175,95
8,010	10,737	8,011	6,811	8,774	9,133	10,630	176
8,117	10,107	6,305	9,404	8,593	8,851	10,630	176,05
7,759	9,687	7,087	10,078	8,629	8,710	10,595	176,1
6,972	9,196	8,082	9,794	8,521	8,710	10,419	176,15
6,972	9,862	7,513	9,723	8,557	9,098	10,349	176,2
6,364	9,967	10,392	8,835	8,701	9,415	10,244	176,25
6,543	9,547	12,950	7,735	8,954	9,345	10,314	176,3
6,650	10,983	13,270	7,273	8,665	9,521	10,419	176,35
6,579	10,948	11,635	5,036	8,125	9,662	10,595	176,4
7,259	10,317	10,925	4,858	7,909	9,380	10,595	176,45
7,759	10,527	10,534	8,764	7,656	9,627	10,454	176,5
7,366	10,527	9,645	8,232	6,792	9,768	10,384	176,55
7,545	9,967	9,645	8,516	5,782	9,803	10,349	176,6
7,902	9,406	9,539	9,688	5,674	9,556	10,384	176,65
8,010	9,336	9,112	9,759	5,782	9,415	10,244	176,7
7,509	9,301	8,117	10,114	6,467	9,592	10,173	176,75
7,044	9,091	7,549	9,865	7,404	9,909	10,208	176,8
7,080	11,683	7,513	10,078	6,287	10,050	10,244	176,85
7,008	12,104	8,864	9,262	6,828	9,909	10,244	176,9
6,472	11,508	6,945	8,977	6,683	9,874	10,244	176,95
6,221	12,244	5,807	6,634	6,287	9,380	10,314	177
6,221	12,909	3,817	6,492	6,035	9,945	10,244	177,05
7,294	13,610	-1,904	8,622	7,152	10,474	10,314	177,1
7,759	14,451	2,431	8,125	6,611	10,403	10,314	177,15
7,938	12,979	3,995	9,510	7,981	10,721	10,244	177,2
8,296	11,018	4,422	7,166	7,476	10,827	10,138	177,25
8,153	10,667	4,457	3,011	7,584	10,721	10,103	177,3
7,008	9,932	5,132	4,503	7,512	10,474	10,173	177,35
6,722	9,617	6,092	5,178	7,945	10,474	10,314	177,4
6,758	9,652	11,316	3,579	7,729	10,544	10,419	177,45
6,472	9,547	14,123	2,337	8,954	10,403	10,419	177,5
6,185	10,002	14,265	4,432	9,711	10,474	10,384	177,55
7,724	9,967	12,631	4,680	9,711	10,333	10,419	177,6
7,795	9,862	11,316	4,787	9,422	10,262	10,384	177,65
8,260	9,652	9,290	7,663	9,134	9,839	10,384	177,7
8,940	8,321	7,798	8,161	9,026	9,839	10,384	177,75
8,511	8,110	9,681	10,078	9,711	9,909	10,384	177,8
7,724	8,811	9,610	8,409	9,494	9,839	10,419	177,85
7,044	8,706	8,793	8,658	9,098	9,839	10,454	177,9
6,937	12,139	8,864	10,540	8,377	9,556	10,454	177,95
6,221	13,365	6,945	9,901	8,738	9,627	10,525	178
6,615	13,820	6,234	8,338	9,386	9,451	10,595	178,05
6,543	12,979	6,163	7,486	8,557	9,592	10,595	178,1
6,257	12,489	5,488	7,557	7,837	9,521	10,560	178,15
6,114	12,489	5,239	6,385	8,089	9,556	10,490	178,2

6,507	11,228	6,021	6,136	8,233	9,803	10,454	178,25
7,509	10,913	7,300	5,426	8,846	10,050	10,525	178,3
7,795	10,177	10,747	4,503	8,197	10,121	10,665	178,35
7,294	10,457	9,255	3,331	8,882	10,015	10,806	178,4
7,437	9,967	9,006	4,077	8,774	9,909	10,912	178,45
6,579	9,476	9,965	6,314	8,665	9,768	11,052	178,5
6,722	11,088	8,828	5,852	9,206	9,874	11,017	178,55
6,794	10,247	12,631	6,776	9,350	9,839	10,947	178,6
7,294	12,349	12,915	5,639	10,395	10,015	10,806	178,65
6,221	12,279	10,960	5,639	9,494	10,262	10,665	178,7
6,507	12,139	10,640	5,568	9,242	10,192	10,595	178,75
7,366	11,088	11,280	9,048	9,278	10,192	10,736	178,8
7,151	10,632	8,864	12,564	10,503	10,050	10,876	178,85
7,652	9,967	8,437	8,587	9,494	9,980	10,876	178,9
7,759	10,107	7,655	10,291	9,783	10,050	10,982	178,95
7,581	9,231	7,158	8,445	8,954	10,121	11,052	179
7,867	9,476	7,940	5,817	8,665	10,333	10,876	179,05
7,259	9,757	7,940	5,497	7,981	10,474	10,806	179,1
6,829	9,231	8,366	6,314	8,161	10,544	10,771	179,15
7,294	10,948	8,011	6,705	7,909	10,474	10,876	179,2
7,187	12,384	7,975	6,882	7,765	10,474	11,017	179,25
7,902	12,489	7,442	6,563	9,098	10,297	11,158	179,3
6,937	12,874	7,798	6,740	8,846	10,121	11,369	179,35
7,294	11,578	6,767	5,604	9,026	10,156	11,369	179,4
6,972	10,667	7,798	6,598	8,665	10,262	11,228	179,45
6,972	10,387	7,549	5,604	8,665	10,333	11,158	179,5
6,901	10,107	9,361	5,568	8,593	10,544	11,087	179,55
7,151	10,562	12,062	5,568	8,810	10,862	11,122	179,6
7,437	9,441	12,488	4,077	8,846	10,932	11,158	179,65
7,115	9,196	12,417	3,793	8,665	10,968	11,298	179,7
7,080	9,722	12,950	6,563	8,089	10,791	11,439	179,75
6,901	9,266	11,564	7,841	8,485	10,544	11,439	179,8
7,509	8,846	10,605	8,835	8,521	10,262	11,369	179,85
7,366	9,126	9,788	8,196	8,269	10,156	11,298	179,9
7,223	10,107	9,645	9,262	7,044	10,050	11,158	179,95
7,509	8,846	9,112	9,723	6,936	10,192	11,158	180
7,294	8,986	8,402	12,919	7,224	10,368	11,263	180,05
6,794	10,177	7,975	11,534	7,656	10,544	11,369	180,1
7,187	10,632	7,655	10,753	8,990	9,698	11,509	180,15
7,724	11,788	6,802	9,936	9,927	8,921	11,579	180,2
7,867	10,772	6,021	8,516	9,242	9,380	11,579	180,25
7,581	11,473	5,772	8,480	8,918	9,274	11,509	180,3
7,044	10,948	6,056	7,131	8,521	10,015	11,439	180,35
7,509	11,438	6,945	7,983	8,774	9,768	11,369	180,4
6,865	11,508	6,945	5,675	8,413	10,050	11,298	180,45
6,114	11,193	7,513	4,858	7,584	10,156	11,298	180,5
6,865	11,718	7,869	4,467	6,575	10,121	11,369	180,55
6,937	11,928	8,224	5,142	6,936	10,192	11,544	180,6
6,829	11,508	8,579	5,888	6,756	10,403	11,650	180,65
7,294	10,422	9,432	4,148	6,287	10,474	11,650	180,7
8,475	10,282	8,508	4,751	6,792	10,686	11,579	180,75
7,938	10,072	8,935	4,467	6,539	10,862	11,439	180,8
7,867	10,212	8,793	5,568	7,512	10,756	11,369	180,85
7,795	9,967	10,072	7,237	6,936	10,615	11,298	180,9
7,330	9,932	9,539	6,882	7,801	10,650	11,333	180,95

7,151	10,107	9,681	6,527	7,729	10,509	11,439	181
7,044	10,317	9,717	7,344	8,161	10,333	11,509	181,05
7,115	11,928	8,935	7,202	8,449	10,086	11,650	181,1
6,686	11,998	8,082	6,847	8,521	9,874	11,650	181,15
7,008	11,648	8,224	6,918	7,909	9,803	11,579	181,2
7,115	10,037	7,229	6,349	7,260	9,556	11,509	181,25
7,151	9,967	7,229	7,557	7,981	9,521	11,439	181,3
7,080	10,597	7,229	9,865	9,026	9,592	11,298	181,35
7,831	9,091	8,437	9,581	9,170	9,698	11,193	181,4
8,367	10,597	9,397	9,368	10,035	9,698	11,087	181,45
7,938	9,652	10,214	9,546	10,756	9,945	11,158	181,5
7,581	9,196	9,717	9,901	8,918	10,368	11,193	181,55
8,046	8,706	8,579	8,800	9,530	10,544	11,333	181,6
7,938	9,687	8,544	7,735	8,882	10,333	11,369	181,65
6,758	10,212	8,011	8,480	9,638	9,980	11,404	181,7
7,044	10,527	7,407	8,622	8,125	9,768	11,333	181,75
7,545	11,333	6,660	9,119	8,053	9,662	11,298	181,8
7,616	12,769	6,696	8,658	9,206	9,803	11,158	181,85
7,437	13,014	4,599	7,770	9,963	9,627	11,122	181,9
7,223	13,155	5,061	7,663	10,179	9,592	11,017	181,95
7,366	12,034	6,554	8,764	9,819	9,874	10,947	182
7,545	11,648	7,335	6,065	9,422	9,839	10,947	182,05
7,652	10,878	7,229	5,142	8,774	9,698	11,017	182,1
7,724	10,457	7,158	4,361	8,774	9,698	11,087	182,15
6,901	9,336	8,864	3,615	9,170	9,909	11,158	182,2
7,223	9,547	11,067	3,260	8,485	10,368	11,158	182,25
6,937	10,352	11,742	2,905	8,701	9,592	11,158	182,3
7,437	10,457	10,534	3,651	8,233	9,521	11,158	182,35
6,722	9,897	10,356	7,628	8,449	9,627	11,193	182,4
6,794	9,406	9,432	6,349	8,449	10,015	11,228	182,45
6,865	9,967	8,402	8,196	7,440	9,839	11,158	182,5
6,579	10,772	8,722	8,196	6,719	8,921	11,017	182,55
7,115	11,998	7,513	8,587	7,008	8,921	10,947	182,6
7,473	10,702	6,838	9,119	7,656	9,380	10,876	182,65
7,795	10,247	5,985	9,333	7,981	9,310	10,912	182,7
7,437	9,476	5,950	8,622	9,026	9,451	11,017	182,75
7,151	8,951	5,701	8,338	9,098	9,098	11,017	182,8
6,794	8,951	6,518	8,125	8,882	9,239	11,158	182,85
6,972	9,476	7,655	6,953	8,305	9,415	11,228	182,9
7,008	11,858	9,112	7,699	8,377	9,768	11,263	182,95
6,293	13,330	8,793	5,923	7,909	9,698	11,228	183
7,151	12,944	7,655	6,314	7,584	9,415	11,158	183,05
6,722	12,489	7,407	5,000	8,233	9,168	11,017	183,1
7,115	11,298	7,016	5,462	9,278	9,415	10,876	183,15
6,615	11,088	5,310	6,136	6,936	9,274	10,876	183,2
6,865	10,948	5,168	5,994	8,017	9,380	10,912	183,25
6,293	10,352	7,869	5,817	7,044	9,310	11,052	183,3
6,972	10,808	10,285	5,994	6,647	9,063	11,122	183,35
7,437	10,002	12,346	3,899	6,431	9,662	11,158	183,4
7,151	10,002	14,159	4,787	6,647	9,980	11,228	183,45
7,115	8,846	13,484	4,361	6,719	10,368	11,158	183,5
7,115	9,126	12,559	5,249	7,152	10,439	11,017	183,55
7,008	9,547	11,067	6,918	7,368	10,192	10,947	183,6
6,328	9,792	10,001	9,972	6,683	9,980	10,841	183,65
6,185	10,107	9,717	9,972	7,080	9,768	10,841	183,7

6,114	10,247	9,041	10,256	7,476	9,380	10,912	183,75
7,008	8,951	8,260	9,688	6,179	9,063	10,947	183,8
6,615	10,527	8,935	9,617	6,143	9,027	10,947	183,85
6,650	10,562	8,402	10,114	8,305	8,921	10,947	183,9
6,507	10,457	7,264	8,977	7,584	8,851	10,947	183,95
7,151	10,527	6,412	8,587	6,936	9,133	10,947	184
6,507	10,142	6,483	10,114	7,801	9,239	10,982	184,05
6,364	12,069	6,802	11,073	8,269	9,415	10,947	184,1
6,722	12,244	7,300	9,759	8,665	9,063	10,947	184,15
6,829	12,384	7,300	9,688	8,377	9,133	10,876	184,2
6,150	11,893	6,945	8,019	8,882	9,274	10,947	184,25
6,686	10,562	7,371	7,877	9,819	9,063	10,982	184,3
6,257	9,687	7,513	7,166	8,629	8,921	11,087	184,35
6,722	9,301	10,498	7,131	9,134	9,345	11,158	184,4
6,114	9,617	10,392	6,207	8,197	9,415	11,158	184,45
6,150	9,476	10,107	4,077	8,161	9,768	11,193	184,5
7,080	9,932	9,255	4,112	7,765	9,521	11,193	184,55
6,650	10,177	9,574	5,284	8,738	9,451	11,158	184,6
6,722	11,053	9,041	5,178	9,062	9,239	11,158	184,65
6,579	11,648	8,899	7,379	8,629	9,063	11,228	184,7
6,865	11,403	8,615	5,959	9,026	9,063	11,298	184,75
6,436	12,139	8,011	8,019	8,665	9,239	11,298	184,8
6,829	11,088	6,518	8,977	9,602	9,027	11,333	184,85
7,080	10,177	5,310	8,587	9,278	8,921	11,439	184,9
6,686	10,948	4,564	9,297	9,855	8,957	11,439	184,95
7,151	10,527	4,883	8,409	10,648	8,992	11,439	185
6,436	9,757	9,397	7,344	10,323	9,098	11,474	185,05
6,543	9,792	10,392	6,776	9,422	9,486	11,474	185,1
6,579	9,652	10,605	4,467	10,107	9,662	11,439	185,15
6,507	9,336	10,960	5,355	9,927	9,486	11,439	185,2
6,794	10,177	10,925	6,598	9,170	9,451	11,439	185,25
6,472	11,368	11,316	4,538	8,774	9,168	11,298	185,3
7,187	11,648	10,854	7,202	7,981	9,098	11,228	185,35
7,115	11,053	10,072	9,546	8,377	9,133	11,193	185,4
6,686	11,228	8,828	10,505	7,440	9,310	11,122	185,45
6,794	10,422	8,153	9,617	5,963	9,627	11,158	185,5
7,008	9,967	7,798	10,043	6,323	9,803	11,158	185,55
7,080	9,196	7,549	10,540	7,692	9,945	10,912	185,6
5,613	8,916	8,153	10,540	8,882	10,121	10,701	185,65
6,722	9,231	8,579	10,291	7,981	10,192	11,087	185,7
7,008	10,317	9,539	9,013	6,936	10,227	11,298	185,75
7,473	11,018	9,255	7,770	7,584	10,192	11,263	185,8
7,795	11,123	8,437	9,084	8,377	10,297	11,158	185,85
7,294	9,792	7,726	7,521	7,909	10,474	11,087	185,9
7,294	9,231	7,584	8,835	8,053	10,368	10,947	185,95
6,436	8,776	6,021	9,013	8,269	10,121	10,876	186
6,650	8,846	6,554	8,196	9,170	10,192	10,701	186,05
7,008	10,667	7,513	7,486	8,449	10,262	10,665	186,1
6,615	11,508	9,219	7,237	8,269	10,403	10,736	186,15
6,865	11,543	8,295	6,847	8,449	10,615	10,806	186,2
7,259	11,508	8,188	5,923	8,233	10,686	10,841	186,25
6,937	10,387	8,082	4,929	8,089	10,439	10,876	186,3
7,366	10,107	7,442	5,923	8,918	10,403	10,982	186,35
6,901	10,177	7,371	5,817	8,089	10,897	11,052	186,4
7,294	9,582	7,407	6,207	7,080	11,074	11,017	186,45

6,972	10,387	8,295	6,420	6,972	11,144	10,876	186,5
6,972	10,983	9,361	4,929	6,287	11,003	10,736	186,55
7,294	11,263	10,285	4,751	6,215	10,050	10,771	186,6
6,901	10,597	9,290	4,645	5,350	9,627	10,736	186,65
7,115	10,352	8,260	5,142	6,359	9,415	10,806	186,7
6,078	10,702	8,224	5,852	7,656	9,380	11,052	186,75
6,829	11,018	7,371	7,060	8,089	9,204	10,876	186,8
7,867	9,371	6,660	7,663	9,530	9,168	10,806	186,85
7,867	9,406	5,736	9,048	7,981	8,992	11,298	186,9
7,974	9,687	9,006	8,658	9,530	8,886	11,158	186,95
7,652	10,527	10,321	7,877	9,494	8,675	10,595	187
8,403	10,667	9,717	6,563	10,251	8,498	10,841	187,05
7,259	11,088	8,295	5,959	10,395	8,604	10,244	187,1
7,402	11,018	7,726	7,273	11,188	8,604	10,947	187,15
7,437	10,913	6,767	6,811	8,665	8,639	11,158	187,2
6,722	10,597	7,300	7,735	7,044	8,639	11,158	187,25
7,223	11,123	7,051	7,273	7,765	8,780	11,017	187,3
6,686	12,489	5,239	6,918	6,431	8,992	10,912	187,35
6,650	12,524	5,843	5,675	8,485	9,345	10,912	187,4
6,794	11,858	7,229	6,207	9,278	9,451	11,017	187,45
7,652	10,878	6,945	4,538	7,512	9,803	11,052	187,5
7,867	10,878	6,376	5,462	8,089	9,803	11,263	187,55
7,902	10,142	3,640	4,503	8,161	9,980	11,228	187,6
7,581	10,457	7,051	5,071	8,738	9,768	11,087	187,65
7,437	10,457	11,671	5,355	8,882	9,874	11,017	187,7
7,080	10,562	11,920	5,639	8,701	9,909	10,701	187,75
7,008	10,878	11,635	4,929	8,918	10,050	10,630	187,8
7,008	10,843	11,102	3,579	8,377	10,403	10,525	187,85
7,044	10,457	10,001	5,107	8,774	10,650	10,490	187,9
6,722	10,667	10,463	6,989	8,629	10,474	10,525	187,95
6,400	11,683	9,681	7,628	8,017	10,756	10,771	188
6,758	11,298	8,828	8,516	7,729	10,650	10,876	188,05
6,364	9,827	8,722	8,374	7,801	10,968	10,806	188,1
6,579	10,282	7,655	8,835	7,296	10,932	10,701	188,15
6,865	10,107	7,691	10,327	7,440	10,862	10,665	188,2
7,831	9,687	6,802	9,368	6,864	10,686	10,665	188,25
7,938	10,142	7,122	8,942	7,584	10,756	10,736	188,3
7,581	10,177	7,300	8,054	8,197	10,968	10,701	188,35
7,759	8,321	7,158	6,811	9,098	11,038	10,595	188,4
7,223	10,107	7,940	7,060	8,305	10,932	10,560	188,45
7,151	10,002	7,655	5,923	7,404	10,932	10,454	188,5
7,044	10,317	7,833	5,568	7,837	11,038	10,314	188,55
6,650	11,858	8,224	5,142	8,810	11,038	10,033	188,6
6,293	12,769	7,726	4,574	8,125	10,968	10,068	188,65
6,150	12,489	7,158	6,172	8,990	11,179	10,033	188,7
6,865	12,629	5,843	6,207	8,413	11,109	10,244	188,75
6,901	12,874	5,950	5,994	8,089	11,321	10,244	188,8
7,223	11,228	5,559	5,923	8,161	11,462	10,314	188,85
6,794	10,913	8,650	6,136	9,242	11,603	10,419	188,9
7,008	9,687	9,859	5,710	8,161	11,109	10,454	188,95
7,187	9,476	11,529	2,230	7,801	9,980	10,454	189
7,008	10,142	12,417	1,662	7,296	10,086	10,419	189,05
7,080	10,492	12,666	1,804	7,152	10,192	10,384	189,1
6,937	10,002	12,133	2,798	6,900	9,980	10,314	189,15
6,937	9,371	11,564	5,923	8,017	9,768	10,244	189,2

7,330	8,636	11,635	8,019	7,260	9,768	10,103	189,25
6,794	9,266	11,316	9,936	7,945	9,803	10,173	189,3
6,650	9,687	11,813	9,475	8,810	9,662	10,314	189,35
6,829	10,072	10,925	10,220	8,521	9,627	10,384	189,4
7,080	10,247	10,569	9,546	9,711	9,486	10,419	189,45
6,794	9,897	9,219	11,108	9,206	9,345	10,384	189,5
7,151	9,301	8,793	11,357	10,323	9,345	10,314	189,55
7,437	9,722	8,544	10,647	9,819	9,274	10,384	189,6
7,509	9,511	8,970	10,505	11,476	9,310	10,314	189,65
7,473	10,948	6,731	10,114	10,828	9,415	10,173	189,7
7,652	12,664	7,620	7,273	10,179	9,486	10,103	189,75
7,759	13,225	7,229	7,948	9,242	9,627	10,138	189,8
7,724	12,489	5,914	9,048	9,819	9,733	10,173	189,85
6,579	13,119	5,665	9,901	9,638	9,556	10,419	189,9
7,115	11,578	5,061	8,800	9,170	9,521	10,595	189,95
6,507	11,123	5,097	8,196	9,350	9,556	10,701	190
6,472	11,123	5,239	6,989	9,278	9,627	10,701	190,05
6,901	11,123	7,158	5,923	9,242	9,627	10,525	190,1
6,794	10,527	7,549	6,101	8,449	9,733	10,595	190,15
7,688	10,387	8,722	6,278	8,521	9,768	10,560	190,2
7,473	11,193	8,935	5,178	8,954	9,733	10,525	190,25
8,189	9,336	10,001	3,686	9,855	9,592	10,525	190,3
7,294	8,426	9,077	5,391	8,918	9,627	10,665	190,35
7,223	9,056	9,255	2,692	9,026	9,451	10,665	190,4
7,151	8,881	10,143	4,254	8,377	9,310	10,806	190,45
7,115	11,298	8,722	3,544	8,197	9,168	10,876	190,5
6,972	12,314	8,970	5,533	8,413	9,027	10,982	190,55
7,151	12,979	7,904	5,533	8,269	8,886	11,017	190,6
6,436	14,311	7,549	5,746	8,089	8,886	11,052	190,65
6,650	12,209	7,442	6,207	8,269	8,992	11,087	190,7
6,758	11,788	5,310	6,278	8,377	9,204	10,947	190,75
6,722	10,808	3,213	7,806	8,954	9,204	11,017	190,8
6,794	10,632	6,056	7,379	9,747	9,380	11,087	190,85
6,937	9,897	10,818	6,278	9,747	9,486	11,158	190,9
6,436	9,231	9,361	5,639	9,206	9,627	11,158	190,95
6,543	9,476	11,564	1,981	9,675	9,168	11,158	191
6,650	9,827	15,900	3,118	7,729	8,921	11,158	191,05
6,794	9,722	14,905	3,224	7,548	9,274	11,193	191,1
7,581	8,601	12,417	3,864	7,945	9,451	11,298	191,15
7,509	9,266	10,783	3,970	8,089	9,239	11,369	191,2
7,223	8,286	10,569	9,333	8,305	9,168	11,439	191,25
7,187	9,021	9,006	10,789	8,449	9,415	11,439	191,3
6,686	9,406	9,148	10,895	7,837	9,698	11,369	191,35
6,901	11,228	8,188	11,179	8,377	9,803	11,298	191,4
6,615	9,547	8,366	11,463	8,701	9,803	11,158	191,45
6,686	12,279	7,158	11,002	7,404	9,803	11,087	191,5
6,686	12,489	6,163	11,037	7,548	9,980	10,912	191,55
6,722	12,944	5,701	10,682	7,656	10,050	10,841	191,6
7,223	13,119	5,736	9,084	8,449	10,192	10,701	191,65
7,223	11,788	4,457	7,699	8,738	10,333	10,701	191,7
6,794	10,527	4,137	7,806	8,305	10,509	10,806	191,75
6,722	10,282	5,736	6,492	6,828	10,791	10,876	191,8
7,115	10,387	8,011	5,959	6,792	11,250	10,876	191,85
6,901	9,652	9,645	5,178	7,080	11,321	10,912	191,9
6,114	9,056	12,026	3,935	6,395	11,144	10,912	191,95

6,257	9,161	12,488	3,899	7,080	11,179	10,912	192
6,543	8,776	13,270	3,366	7,656	11,356	10,876	192,05
7,008	9,266	13,697	5,000	8,161	10,897	10,841	192,1
7,688	10,808	11,245	6,349	7,368	10,650	10,736	192,15
7,652	9,547	10,747	7,060	7,512	10,509	10,525	192,2
7,366	8,110	10,498	7,877	7,332	10,368	10,490	192,25
7,759	8,040	9,503	8,551	7,981	10,721	10,490	192,3
6,150	7,445	8,579	13,310	8,125	10,439	10,630	192,35
6,257	8,040	8,508	12,174	8,665	10,791	10,841	192,4
6,543	11,193	8,082	11,037	9,062	10,650	11,017	192,45
5,971	12,664	7,051	10,753	9,026	10,791	11,158	192,5
6,436	12,804	6,163	10,043	8,701	10,403	11,228	192,55
6,400	12,769	6,056	8,551	8,990	10,121	11,087	192,6
6,364	11,263	4,670	8,232	8,954	9,768	10,876	192,65
7,044	9,406	4,955	7,983	8,017	9,698	10,701	192,7
7,759	9,547	4,599	6,492	8,377	9,345	10,630	192,75
7,795	10,002	5,417	6,598	9,530	9,380	10,630	192,8
7,151	9,196	7,087	5,639	10,431	9,239	10,701	192,85
6,865	10,142	9,148	5,036	9,855	9,345	10,876	192,9
7,974	10,002	10,107	5,213	9,314	9,310	10,947	192,95
7,509	10,142	10,498	4,538	9,927	9,556	11,017	193
7,831	11,053	8,722	4,467	9,314	9,521	11,052	193,05
7,008	10,808	7,442	5,320	9,747	9,556	11,122	193,1
7,437	8,846	7,407	6,456	10,071	9,592	11,158	193,15
6,472	8,986	7,016	5,994	9,819	9,310	11,193	193,2
7,151	9,897	5,736	7,095	8,918	9,063	11,193	193,25
7,151	9,582	6,163	6,776	8,341	9,063	11,158	193,3
7,151	11,473	7,655	6,740	7,945	9,063	11,228	193,35
8,439	10,282	8,473	5,852	8,990	8,957	11,122	193,4
7,938	11,193	7,833	5,994	8,774	8,886	11,017	193,45
7,581	10,457	8,402	5,923	8,161	8,992	10,947	193,5
6,937	10,737	7,016	6,705	8,233	9,204	10,947	193,55
6,722	10,387	6,305	7,095	8,017	9,627	11,017	193,6
5,792	10,527	8,295	7,166	7,801	9,909	11,228	193,65
5,720	10,527	9,077	7,060	8,521	10,015	11,509	193,7
5,720	12,069	7,904	6,349	8,521	10,121	11,650	193,75
6,007	12,314	7,122	4,254	8,305	10,086	11,685	193,8
5,935	13,049	6,660	7,202	8,017	10,156	11,650	193,85
6,007	13,049	6,660	5,852	7,729	9,945	11,579	193,9
7,294	11,368	6,554	6,278	7,801	10,121	11,439	193,95
7,151	10,177	6,802	5,923	7,548	9,980	11,298	194
7,366	9,547	8,935	5,497	7,692	9,803	11,263	194,05
8,117	8,916	11,067	5,036	7,837	9,768	11,228	194,1
8,117	8,916	11,031	3,686	8,197	9,874	11,228	194,15
7,581	8,110	10,498	5,568	9,098	9,909	11,333	194,2
7,294	7,725	12,275	7,308	8,810	9,839	11,439	194,25
6,507	7,865	13,874	8,480	8,846	10,192	11,474	194,3
6,615	8,391	13,199	9,333	8,665	10,439	11,579	194,35
6,293	8,741	10,178	9,475	8,701	10,368	11,720	194,4
7,008	9,336	8,402	9,723	8,305	10,262	11,720	194,45
6,794	9,757	9,574	11,534	8,377	10,192	11,650	194,5
6,829	9,967	9,006	11,534	8,774	9,909	11,579	194,55
7,366	9,932	10,498	10,789	8,701	9,909	11,439	194,6
7,831	9,406	8,686	9,901	8,954	9,698	11,439	194,65
7,652	8,706	7,549	12,138	8,449	9,592	11,298	194,7

7,581	9,021	6,980	11,250	9,062	9,874	11,228	194,75
7,795	9,547	6,660	8,480	8,233	9,839	11,263	194,8
7,080	9,687	6,660	8,196	9,206	10,015	11,439	194,85
7,008	9,652	6,945	9,404	10,395	10,050	11,579	194,9
6,722	10,282	6,269	8,196	8,449	9,909	11,790	194,95
6,972	11,368	6,767	8,800	8,161	9,698	12,001	195
7,044	11,753	5,950	7,912	8,017	10,050	12,036	195,05
7,545	12,279	5,914	6,527	8,017	10,050	12,001	195,1
7,080	12,559	5,736	6,314	7,765	9,698	11,790	195,15
7,223	11,823	6,163	6,172	8,233	9,803	11,509	195,2
7,938	10,948	6,127	6,030	7,080	9,698	11,193	195,25
7,509	10,387	8,508	5,710	8,089	9,733	11,087	195,3
7,616	10,808	8,864	5,568	8,449	9,521	11,087	195,35
6,686	11,158	9,397	3,651	7,224	9,168	11,228	195,4
6,650	10,983	10,143	3,047	7,008	8,957	11,474	195,45
7,759	11,333	10,925	2,869	7,656	8,780	11,579	195,5
7,044	11,368	10,285	3,082	7,512	8,780	11,439	195,55
7,008	11,228	9,432	4,858	8,377	8,498	11,439	195,6
7,044	10,072	8,366	5,107	8,161	8,604	11,158	195,65
6,686	9,687	8,579	5,710	9,530	8,357	11,017	195,7
7,044	9,406	9,503	6,527	9,242	8,569	10,912	195,75
6,901	10,072	8,153	7,273	9,891	8,322	10,876	195,8
7,330	9,196	7,798	6,349	10,395	8,216	10,912	195,85
7,080	9,511	8,899	6,101	10,395	8,357	11,052	195,9
8,081	9,722	9,823	6,563	9,747	8,639	11,158	195,95
6,794	9,406	9,041	6,598	9,855	8,604	11,298	196
7,151	12,034	8,793	6,563	9,891	8,675	11,333	196,05
7,831	11,753	8,224	5,994	9,602	8,639	11,298	196,1
7,437	11,298	8,686	6,847	9,278	8,498	11,228	196,15
7,509	10,702	6,731	5,959	9,855	8,921	11,087	196,2
7,080	10,212	5,559	6,101	10,071	8,639	11,052	196,25
7,259	10,667	4,955	7,628	10,107	8,886	11,017	196,3
6,150	10,422	6,447	7,415	9,134	9,133	10,947	196,35
6,078	10,878	9,539	7,166	7,837	9,592	10,947	196,4
7,008	10,667	10,250	6,776	8,053	9,063	11,017	196,45
8,153	10,072	10,178	5,959	9,170	9,027	11,017	196,5
7,151	10,422	9,219	7,699	7,620	9,133	11,052	196,55
7,294	10,072	9,255	6,243	6,719	9,063	11,087	196,6
7,259	8,846	9,219	6,101	9,170	9,274	11,158	196,65
8,153	9,336	8,935	5,284	8,846	9,627	11,122	196,7
7,724	9,932	9,326	5,781	8,954	10,121	11,087	196,75
7,330	10,632	10,036	6,420	8,954	10,121	11,052	196,8
6,722	11,018	9,752	6,314	9,350	9,980	11,017	196,85
6,722	10,492	9,717	6,492	10,539	10,121	11,017	196,9
6,722	10,597	8,899	5,391	7,152	9,980	10,982	196,95
6,865	10,072	8,615	5,213	9,711	9,874	10,912	197
6,436	10,632	8,828	6,207	9,242	9,803	10,876	197,05
6,722	10,737	7,798	5,710	9,062	10,050	10,806	197,1
7,473	10,247	7,371	7,415	7,224	10,333	10,771	197,15
7,402	10,808	6,731	7,592	7,224	9,945	10,736	197,2
7,724	10,772	6,376	7,415	7,656	9,698	10,806	197,25
7,080	10,037	7,229	5,959	9,819	10,544	10,806	197,3
6,507	10,457	6,376	6,136	8,810	10,192	10,806	197,35
6,758	8,741	8,082	6,420	9,386	10,580	10,771	197,4
7,437	9,196	8,864	7,202	5,855	10,015	10,701	197,45

7,044	10,352	9,041	5,249	8,089	9,945	10,630	197,5
6,865	9,547	8,544	4,538	8,593	9,803	10,595	197,55
7,330	10,177	8,082	4,858	8,593	9,803	10,454	197,6
7,151	9,336	7,869	4,432	9,314	9,803	10,454	197,65
7,509	9,021	7,726	7,131	9,206	9,839	10,525	197,7
7,008	9,091	7,229	7,131	8,701	9,839	10,525	197,75
7,366	9,897	8,082	6,598	8,738	9,980	10,490	197,8
7,223	10,878	7,833	6,136	8,161	9,768	10,384	197,85
7,223	10,387	8,295	6,065	7,981	9,839	10,349	197,9
6,937	11,823	6,731	5,355	8,521	9,803	10,244	197,95
6,579	12,769	6,340	6,314	9,999	9,839	10,103	198
7,151	13,049	5,843	5,391	9,242	9,768	10,033	198,05
6,615	12,209	4,635	6,918	9,891	10,121	10,068	198,1
7,151	11,753	4,670	6,172	10,071	10,262	10,103	198,15
6,364	10,808	3,888	6,278	9,855	10,474	10,173	198,2
7,044	10,948	6,092	6,136	9,062	10,650	10,279	198,25
6,293	10,527	8,793	4,893	9,134	10,791	10,384	198,3
7,044	10,457	12,062	2,727	8,810	10,544	10,454	198,35
6,829	10,422	13,164	1,094	8,846	10,262	10,419	198,4
6,507	10,247	12,950	2,230	8,629	10,121	10,384	198,45
7,223	9,161	12,453	2,266	9,026	10,297	10,314	198,5
7,330	10,142	11,849	4,325	9,314	10,262	10,208	198,55
6,972	9,336	12,133	9,901	8,918	10,686	10,138	198,6
6,758	8,566	12,062	10,469	7,837	11,321	10,103	198,65
6,185	9,126	11,031	9,759	7,584	10,544	10,173	198,7
6,150	8,986	10,072	9,723	7,404	10,968	10,314	198,75
6,579	10,142	10,107	11,250	7,512	11,179	10,630	198,8
6,650	9,336	8,650	12,245	6,611	11,144	10,841	198,85
7,402	10,387	8,935	11,392	7,440	11,250	10,912	198,9
7,115	11,263	8,508	9,581	8,377	11,003	10,876	198,95
7,008	11,928	8,082	9,759	7,837	10,439	10,665	199
6,865	10,843	6,660	9,119	6,575	10,439	10,454	199,05
6,615	9,827	5,950	8,338	6,215	10,509	10,490	199,1
5,828	10,247	4,599	7,344	5,278	10,403	10,419	199,15
5,971	10,702	4,066	7,202	6,251	10,544	10,419	199,2
6,650	11,508	6,092	6,598	7,368	10,333	10,525	199,25
6,436	11,298	6,447	6,456	7,656	10,439	10,665	199,3
6,722	11,403	6,660	6,420	8,161	10,297	10,771	199,35
7,080	10,948	6,731	5,213	8,449	10,368	10,841	199,4
6,543	9,967	5,736	4,254	9,170	10,403	10,736	199,45
7,259	10,107	5,950	5,710	9,458	10,439	10,665	199,5
6,794	9,371	7,335	6,243	7,584	10,474	10,595	199,55
6,078	8,881	7,513	5,568	6,936	10,262	10,630	199,6
6,686	9,932	8,579	5,107	8,701	9,839	10,806	199,65
6,150	11,368	9,788	3,366	9,927	9,662	11,017	199,7
6,650	10,948	8,686	2,869	9,819	9,592	11,158	199,75
6,829	11,368	8,153	3,615	9,314	9,451	11,017	199,8
7,259	10,913	8,402	5,604	10,503	9,415	10,912	199,85
7,044	11,718	7,691	6,136	10,359	9,274	10,665	199,9
6,364	10,527	8,153	5,923	10,251	9,133	10,771	199,95
6,400	10,107	8,864	5,994	10,107	9,168	10,982	200
6,400	9,897	9,290	5,923	9,530	9,098	10,947	200,05
6,758	10,037	9,183	5,320	9,711	8,992	11,017	200,1
6,543	10,702	9,183	5,284	9,711	8,992	11,158	200,15
6,543	9,722	10,392	5,000	10,107	8,886	11,158	200,2

6,758	9,371	10,925	6,101	9,783	8,851	11,158	200,25
6,865	9,722	10,996	5,781	9,819	9,168	10,947	200,3
7,151	9,967	9,965	4,574	9,783	9,310	10,912	200,35
6,615	9,547	9,823	4,183	8,449	9,310	10,912	200,4
6,472	10,737	8,650	7,592	7,584	9,274	10,947	200,45
6,507	10,808	8,722	9,333	7,801	9,168	10,982	200,5
6,507	11,438	7,726	9,652	9,278	9,168	10,947	200,55
6,758	11,123	7,335	9,865	9,963	9,133	10,982	200,6
6,686	10,843	7,158	8,942	9,602	9,239	11,017	200,65
6,436	10,317	7,442	8,729	8,449	9,451	11,158	200,7
6,436	10,317	7,371	7,699	7,368	9,803	11,298	200,75
6,937	10,808	7,193	8,835	7,620	9,980	11,228	200,8
7,294	9,932	7,869	7,415	7,512	9,980	11,228	200,85
6,937	10,107	8,615	6,492	8,017	10,050	11,439	200,9
7,652	10,387	9,539	6,492	9,134	10,015	11,509	200,95
6,937	9,547	9,183	5,320	8,449	10,121	11,439	201
6,543	10,002	8,650	6,492	9,314	10,121	11,439	201,05
7,652	9,511	8,793	5,639	8,990	9,980	11,298	201,1
6,328	11,368	8,508	5,107	8,089	9,909	11,228	201,15
6,472	12,979	8,331	5,462	8,089	10,050	11,158	201,2
6,794	13,960	8,046	5,036	7,440	10,121	11,158	201,25
6,686	13,155	6,376	5,923	7,224	10,297	11,228	201,3
6,794	11,823	4,457	5,817	7,945	10,544	11,333	201,35
6,829	12,139	3,924	6,776	7,440	10,580	11,439	201,4
6,650	11,088	3,107	6,811	7,080	10,650	11,369	201,45
7,080	10,808	7,869	6,776	6,395	10,756	11,263	201,5
7,688	10,177	11,351	4,609	9,098	10,968	11,087	201,55
8,010	10,212	11,209	4,219	9,963	11,321	10,876	201,6
7,616	9,476	14,265	5,355	9,747	11,426	10,841	201,65
7,724	9,056	14,692	3,757	8,305	11,321	10,736	201,7
7,294	8,671	13,874	4,112	8,918	11,109	10,595	201,75
6,543	8,846	12,488	4,574	8,665	11,074	10,525	201,8
6,436	9,336	11,387	7,344	7,332	11,250	10,384	201,85
6,615	11,018	10,178	9,830	7,224	10,897	10,490	201,9
6,293	11,088	9,823	10,611	7,692	10,686	10,525	201,95
6,364	10,808	9,823	11,889	7,368	10,721	10,525	202
7,115	10,527	9,930	11,854	7,945	10,862	10,525	202,05
7,759	9,757	8,473	11,605	7,945	10,721	10,490	202,1
7,473	8,741	8,331	11,321	7,765	10,544	10,384	202,15
7,795	9,231	7,442	11,215	8,233	10,439	10,419	202,2
7,402	9,547	7,940	10,256	7,620	10,156	10,595	202,25
7,688	10,247	7,620	10,469	8,413	9,980	10,490	202,3
7,509	10,948	6,838	9,581	7,765	9,803	10,454	202,35
7,008	10,317	6,269	10,114	7,476	9,945	10,419	202,4
7,044	11,998	6,660	10,576	7,116	9,556	10,525	202,45
6,042	12,349	6,731	10,256	6,503	9,451	10,560	202,5
6,328	13,715	6,660	9,475	6,287	9,627	10,384	202,55
5,935	12,209	5,559	7,628	6,395	9,839	10,490	202,6
6,507	12,279	4,919	7,273	5,963	9,909	10,454	202,65
6,794	11,403	7,016	6,349	5,026	10,439	10,736	202,7
8,010	12,559	7,158	6,492	4,773	10,791	11,017	202,75
8,046	10,948	7,940	5,923	5,530	10,862	11,158	202,8
7,294	10,002	7,940	5,355	7,765	10,650	11,158	202,85
7,044	9,547	8,650	4,858	7,837	10,721	11,087	202,9
6,615	10,037	8,935	4,041	8,377	10,121	10,947	202,95

6,579	10,808	9,503	3,153	7,801	9,733	10,806	203
6,901	9,371	9,148	4,254	8,990	9,592	10,736	203,05
6,937	11,228	9,859	3,473	9,458	9,415	10,771	203,1
7,509	11,298	10,925	3,508	8,918	9,168	10,841	203,15
7,759	10,632	9,503	5,284	8,377	9,133	10,912	203,2
7,795	10,037	9,290	6,207	7,945	8,816	11,017	203,25
7,437	10,317	9,326	5,959	8,882	8,886	11,087	203,3
6,865	9,967	8,260	7,379	9,242	9,063	11,017	203,35
7,437	11,018	9,361	8,551	9,278	8,675	10,982	203,4
7,294	11,193	9,361	6,669	8,990	9,098	10,912	203,45
6,972	13,540	8,722	6,918	8,485	9,415	10,630	203,5
7,008	12,454	8,295	4,893	10,035	9,627	10,701	203,55
6,615	11,788	8,579	6,243	9,891	9,768	10,736	203,6
7,080	11,368	8,011	6,243	10,395	9,909	10,947	203,65
7,187	10,142	8,260	4,965	11,080	9,627	11,122	203,7
6,865	9,897	8,473	5,639	12,341	9,627	11,298	203,75
7,115	10,983	9,255	5,426	11,260	9,451	11,369	203,8
7,437	9,897	10,925	5,639	11,837	9,345	11,263	203,85
6,722	9,126	10,747	5,781	10,864	9,451	10,947	203,9
6,686	8,496	10,463	4,787	10,756	9,239	10,876	203,95
7,115	9,511	9,681	6,776	10,828	9,133	10,912	204
7,044	9,932	9,219	6,776	11,008	9,662	11,298	204,05
7,581	10,037	9,077	8,054	10,828	9,415	10,806	204,1
7,008	10,457	8,260	8,125	10,648	9,627	10,103	204,15
6,829	10,387	8,295	9,262	9,747	9,698	10,454	204,2
7,008	9,897	7,940	8,587	8,593	9,874	11,017	204,25
7,831	10,948	7,513	8,693	8,341	9,698	11,228	204,3
6,650	11,893	6,909	8,622	8,521	9,345	11,263	204,35
6,543	12,069	6,163	7,628	8,521	9,063	11,263	204,4
6,436	11,928	5,452	7,912	8,954	9,345	10,947	204,45
6,686	11,788	5,061	7,557	7,044	9,521	10,806	204,5
6,364	11,648	5,701	7,912	7,116	9,733	10,771	204,55
6,972	11,263	8,793	6,598	8,125	9,627	10,595	204,6
6,865	10,808	8,970	5,497	8,557	9,204	10,454	204,65
7,223	10,527	9,219	3,260	9,134	9,486	10,525	204,7
6,865	9,897	8,402	6,101	8,810	9,415	10,665	204,75
6,543	9,617	7,371	5,391	8,413	9,627	10,806	204,8
6,722	9,161	8,295	3,118	7,945	9,839	10,982	204,85
6,436	10,177	13,697	2,159	9,098	9,909	10,947	204,9
7,008	9,617	13,484	3,260	9,098	9,768	10,701	204,95
6,328	10,107	12,275	5,923	7,873	9,803	10,525	205
6,615	10,527	11,138	6,847	8,269	9,698	10,419	205,05
7,044	10,667	10,818	7,735	7,873	10,015	10,314	205,1
7,259	9,827	10,178	9,226	8,521	10,474	10,138	205,15
6,579	10,422	9,219	9,439	8,882	10,086	10,314	205,2
6,293	10,527	9,148	11,002	9,134	10,333	10,454	205,25
6,794	10,247	8,082	11,854	9,350	10,050	10,595	205,3
7,151	10,772	7,904	11,073	8,197	10,827	10,560	205,35
6,686	10,948	6,873	10,398	8,954	11,038	10,736	205,4
6,650	10,878	5,736	8,977	8,377	10,862	10,665	205,45
6,436	10,808	5,488	8,267	7,801	10,756	10,701	205,5
5,971	10,212	6,021	7,806	6,575	10,932	10,595	205,55
6,686	10,527	5,736	8,196	6,323	10,968	10,630	205,6
6,507	9,897	4,635	6,598	5,566	11,109	10,595	205,65
7,187	10,878	5,452	5,710	5,674	10,756	10,595	205,7

5,971	9,897	6,980	5,178	6,611	10,615	10,630	205,75
6,400	10,387	9,112	5,710	7,801	10,862	10,595	205,8
6,543	10,702	8,508	3,899	6,719	10,968	10,630	205,85
6,543	10,632	8,046	3,722	7,873	11,250	10,701	205,9
7,080	10,667	8,082	4,077	7,620	10,968	10,771	205,95
6,972	10,527	7,229	4,219	8,089	10,686	10,947	206
6,507	10,072	8,473	6,101	8,089	10,509	11,122	206,05
6,364	12,034	9,503	5,391	7,152	10,756	11,298	206,1
6,758	10,527	9,290	5,000	8,990	11,038	11,298	206,15
6,436	11,508	8,828	5,036	8,233	10,615	11,158	206,2
7,008	11,298	8,544	5,284	9,098	10,333	11,017	206,25
6,972	10,247	7,798	8,267	8,846	10,509	10,876	206,3
6,972	10,737	8,437	7,131	8,521	10,474	10,876	206,35
7,330	10,247	8,508	6,314	8,053	10,544	10,912	206,4
7,115	9,441	7,549	6,207	9,422	10,262	10,982	206,45
6,794	8,671	8,366	5,639	9,530	10,333	11,158	206,5
6,507	9,932	8,473	5,923	10,864	10,615	11,298	206,55
6,436	12,489	8,722	5,355	11,080	10,721	11,439	206,6
6,150	11,578	9,361	6,492	9,530	10,262	11,439	206,65
7,044	11,438	9,077	7,735	7,981	9,839	11,439	206,7
6,650	11,018	8,011	8,232	7,404	10,580	11,228	206,75
7,187	10,527	8,117	7,628	6,215	10,474	11,158	206,8
6,293	10,562	8,117	7,237	6,539	10,474	11,087	206,85
6,865	10,037	7,513	6,314	7,512	10,580	11,017	206,9
7,115	9,582	6,305	7,202	8,449	10,968	11,087	206,95
7,259	9,196	8,117	7,770	8,521	10,650	11,193	207
6,507	8,286	9,717	8,019	9,170	10,192	11,122	207,05
6,185	8,321	10,001	6,989	8,774	10,156	11,122	207,1
7,437	9,126	10,072	5,142	7,692	9,345	11,017	207,15
6,937	9,722	9,859	4,787	8,449	9,063	11,017	207,2
7,223	10,317	9,610	6,207	8,990	9,662	10,982	207,25
6,901	10,527	9,255	7,237	9,170	9,945	10,771	207,3
6,472	11,368	8,295	8,303	8,701	10,192	10,876	207,35
6,436	11,228	8,864	8,551	8,954	10,509	10,876	207,4
7,151	10,737	7,407	8,551	8,701	10,333	10,912	207,45
6,829	11,193	6,731	8,942	8,305	10,968	11,017	207,5
7,581	10,772	5,488	8,054	8,593	10,544	11,017	207,55
7,259	10,387	4,919	7,770	7,945	10,544	11,087	207,6
7,294	9,126	6,483	6,953	7,873	10,262	10,876	207,65
7,187	9,687	7,940	6,847	7,909	10,121	10,912	207,7
6,686	10,142	6,909	5,497	9,170	10,156	10,736	207,75
6,436	10,562	7,478	4,787	9,098	10,050	10,665	207,8
6,221	10,352	8,224	5,923	8,449	10,333	10,665	207,85
6,794	11,333	9,077	4,893	8,377	10,192	10,876	207,9
6,400	12,804	9,112	5,639	9,134	10,121	11,122	207,95
7,008	13,049	8,615	5,639	8,738	9,980	11,158	208
7,831	12,629	8,793	5,320	8,557	9,980	11,228	208,05
7,366	10,843	7,407	5,781	7,801	10,015	11,439	208,1
7,115	10,562	6,802	7,202	8,269	10,086	11,755	208,15
7,008	10,702	6,838	7,699	8,233	9,909	12,072	208,2
7,545	10,282	6,518	6,669	8,521	10,050	12,072	208,25
7,652	9,126	7,584	6,669	7,945	10,121	11,931	208,3
7,366	9,967	8,473	6,420	8,125	10,050	11,790	208,35
7,437	8,986	11,351	5,568	8,269	9,803	11,790	208,4
7,437	10,212	13,235	6,136	8,774	9,592	11,650	208,45

7,795	10,983	12,559	6,385	9,062	9,521	11,720	208,5
7,259	10,737	10,321	7,202	9,098	9,380	11,720	208,55
7,294	10,597	7,549	10,398	8,449	9,239	11,790	208,6
7,008	11,333	9,326	9,688	8,305	9,168	11,720	208,65
7,115	10,737	7,442	7,912	8,485	9,098	11,579	208,7
7,044	10,808	6,980	11,357	8,413	8,816	11,369	208,75
6,829	11,718	6,021	11,392	7,765	8,533	11,720	208,8
7,080	11,683	5,559	9,439	7,656	8,357	11,579	208,85
6,507	12,769	6,269	6,847	8,701	8,498	11,509	208,9
7,294	11,158	6,802	7,450	8,774	8,604	11,474	208,95
6,901	11,228	7,513	6,563	7,945	8,745	11,439	209
6,865	10,878	8,437	5,284	8,413	8,886	11,263	209,05
7,867	9,687	9,255	5,533	8,161	9,133	11,193	209,1
7,759	9,196	8,970	4,361	8,377	9,486	11,228	209,15
7,259	9,511	11,173	4,325	7,512	9,945	11,228	209,2
6,829	9,336	13,555	3,899	7,692	10,050	11,228	209,25
6,865	9,932	12,524	4,148	8,305	10,121	11,158	209,3
7,581	10,142	11,067	4,893	8,269	10,192	11,158	209,35
7,008	12,139	10,498	5,036	7,909	10,227	11,087	209,4
7,652	12,034	9,574	6,989	8,665	10,262	10,982	209,45
7,437	11,228	8,615	6,776	7,008	10,262	10,982	209,5
7,402	11,228	7,371	5,959	7,260	10,262	11,087	209,55
7,366	10,527	6,269	9,759	7,080	10,297	11,087	209,6
6,972	9,757	6,198	10,540	7,765	10,192	11,158	209,65
6,829	10,352	5,914	8,906	7,188	9,980	11,052	209,7
7,044	10,527	7,584	8,232	7,945	9,803	10,982	209,75
7,151	11,648	9,006	7,486	8,665	9,945	10,630	209,8
7,581	12,034	10,178	7,131	8,413	9,909	10,665	209,85
7,151	12,174	9,468	6,705	10,071	10,262	10,595	209,9
7,759	11,158	8,650	6,207	8,593	10,650	10,665	209,95
7,437	10,983	8,544	5,320	8,377	10,791	10,736	210
7,867	10,457	7,442	5,320	8,269	10,827	10,876	210,05
7,616	9,687	7,869	4,574	8,377	10,227	11,017	210,1
7,831	10,247	7,726	5,178	10,251	9,627	11,122	210,15
7,080	10,282	12,346	5,178	9,170	10,615	11,158	210,2
7,688	10,667	14,621	6,172	8,990	10,297	11,158	210,25
7,581	10,948	13,981	5,710	9,638	10,297	11,052	210,3
7,402	10,667	12,844	5,994	9,026	10,156	11,017	210,35
7,759	10,282	11,493	8,409	9,134	10,192	11,017	210,4
7,509	10,808	10,640	8,622	9,314	10,050	11,052	210,45
7,187	11,053	10,001	11,321	8,990	9,698	11,158	210,5
7,616	11,368	8,722	12,529	9,783	9,803	11,298	210,55
7,366	11,333	7,158	13,132	9,747	9,768	11,474	210,6
6,400	10,983	7,087	10,576	9,891	9,451	11,650	210,65
7,187	10,808	6,305	9,830	9,098	9,662	11,650	210,7
6,436	11,263	6,767	10,043	8,125	9,733	11,509	210,75
6,436	11,368	6,873	9,048	7,080	9,415	11,228	210,8
6,865	11,053	7,335	8,835	7,116	9,133	11,158	210,85
7,008	11,123	7,478	6,776	7,404	8,780	10,806	210,9
8,117	11,158	7,798	5,852	7,152	9,133	10,876	210,95
8,332	11,088	8,331	5,249	6,828	9,698	10,771	211
7,867	10,142	8,650	5,284	6,467	8,992	10,665	211,05
7,795	9,441	9,859	4,858	5,494	9,239	10,876	211,1
7,902	8,916	10,143	6,030	7,801	9,556	10,982	211,15
7,509	10,387	10,747	5,000	8,125	9,768	11,122	211,2

7,294	10,387	10,356	6,207	7,332	9,733	11,087	211,25
6,794	11,298	10,712	6,563	6,215	9,662	11,087	211,3
7,115	12,629	10,072	7,273	7,801	9,592	11,298	211,35
6,722	12,944	8,402	7,486	7,945	9,521	11,228	211,4
6,507	13,119	8,508	7,166	8,449	9,451	11,158	211,45
7,688	12,664	6,767	6,918	8,125	9,415	10,947	211,5
7,724	11,788	6,234	7,735	9,927	9,310	10,630	211,55
8,332	12,104	6,092	10,611	9,783	8,921	10,454	211,6
8,117	10,667	6,945	9,262	10,107	8,851	10,419	211,65
7,581	10,667	7,869	8,871	9,855	9,204	10,454	211,7
7,437	9,827	9,788	8,551	10,035	8,921	10,490	211,75
7,402	10,037	11,209	7,592	9,386	9,274	10,665	211,8
7,581	10,737	12,346	6,385	9,999	9,345	10,912	211,85
7,294	11,823	11,351	5,036	10,395	9,274	11,087	211,9
7,330	10,878	10,676	6,740	10,107	9,098	11,158	211,95
7,437	10,808	9,859	7,060	9,819	9,274	11,052	212
7,437	10,107	9,326	5,781	9,855	9,698	10,912	212,05
7,795	10,002	9,432	6,598	8,774	9,698	10,806	212,1
7,867	9,722	9,148	8,480	5,458	9,592	10,701	212,15
7,437	8,846	8,295	9,475	7,044	9,133	10,736	212,2
7,187	9,967	8,402	9,475	8,161	8,957	10,771	212,25
7,759	10,562	8,153	9,688	7,873	8,921	10,876	212,3
7,366	10,772	7,762	9,794	7,080	8,886	10,982	212,35
7,044	11,438	7,478	9,333	7,656	8,322	11,122	212,4
7,330	10,597	7,371	8,374	10,035	8,463	11,193	212,45
6,865	10,948	6,625	7,379	10,936	9,239	11,298	212,5
8,189	11,788	6,945	6,669	11,080	10,015	11,333	212,55
7,652	12,069	7,016	6,207	11,837	10,015	11,298	212,6
7,581	12,104	6,447	5,497	11,873	10,121	11,193	212,65
7,938	11,263	6,127	5,923	11,368	10,050	11,158	212,7
7,080	10,702	7,691	4,929	11,404	10,050	11,158	212,75
6,901	10,913	7,087	4,112	10,503	10,121	11,158	212,8
7,044	10,422	7,513	4,041	10,071	10,297	11,158	212,85
7,330	11,228	8,402	6,243	10,143	10,368	11,087	212,9
7,223	12,839	9,432	5,852	10,395	10,650	11,087	212,95
7,366	13,645	10,036	6,598	10,539	10,580	11,158	213
7,115	12,279	10,001	5,355	10,503	10,650	11,193	213,05
7,509	11,718	10,214	5,852	10,035	10,827	11,158	213,1
6,722	10,808	10,498	5,923	10,107	11,144	11,087	213,15
7,366	10,177	8,970	5,994	9,170	11,285	11,017	213,2
6,650	10,983	9,645	8,871	10,467	11,144	11,052	213,25
7,437	10,527	10,143	10,398	9,602	11,462	11,052	213,3
7,294	10,562	11,245	10,469	10,107	11,109	10,947	213,35
7,581	10,107	11,564	9,368	11,693	10,686	10,841	213,4
7,294	10,527	11,707	8,693	11,188	10,580	10,736	213,45
6,686	10,107	10,818	7,557	10,251	10,121	10,630	213,5
6,436	10,702	9,645	7,592	9,855	9,945	10,560	213,55
6,543	10,282	9,112	7,983	8,701	9,945	10,454	213,6
6,507	10,948	9,041	8,622	8,701	10,262	10,454	213,65
6,937	12,069	8,082	9,759	9,062	10,368	10,595	213,7
7,080	12,139	6,909	8,906	8,593	10,368	10,630	213,75
7,008	12,069	6,518	7,948	8,341	10,297	10,736	213,8
7,223	11,158	5,950	8,090	8,269	10,439	10,771	213,85
7,652	10,702	5,736	7,948	8,233	10,756	10,701	213,9
6,865	11,998	4,990	8,054	7,656	11,038	10,630	213,95

7,223	10,037	7,726	7,202	7,476	11,144	10,630	214
6,507	10,247	9,965	5,604	8,053	11,074	10,595	214,05
7,044	10,247	10,712	3,864	8,233	10,897	10,630	214,1
6,686	10,702	10,605	5,675	9,530	10,827	10,595	214,15
6,937	11,088	11,387	6,953	10,936	10,862	10,595	214,2
7,151	10,387	11,209	5,249	10,215	11,074	10,525	214,25
6,722	10,527	11,209	7,237	11,909	11,250	10,419	214,3
7,402	10,352	10,072	7,592	9,747	11,038	10,454	214,35
7,223	10,317	9,468	7,344	9,927	10,721	10,454	214,4
7,044	9,687	9,183	7,948	9,422	10,439	10,665	214,45
6,436	10,037	8,686	9,723	9,422	10,474	10,841	214,5
7,115	10,948	8,935	9,794	8,413	10,439	10,947	214,55
7,115	11,158	8,864	9,084	8,269	10,333	11,017	214,6
7,151	12,209	8,082	7,983	8,089	10,156	10,982	214,65
7,115	12,699	7,975	8,622	8,557	9,909	10,912	214,7
7,151	11,508	7,940	8,622	8,810	9,662	10,806	214,75
7,473	10,983	7,940	7,557	9,891	9,627	10,595	214,8
6,829	10,948	8,082	7,060	9,098	9,662	10,490	214,85
7,008	10,878	7,335	6,776	8,954	9,980	10,384	214,9
6,865	11,648	7,051	6,349	8,521	10,368	10,419	214,95
6,937	10,808	7,087	5,994	8,846	10,721	10,595	215
6,937	11,158	10,392	6,918	8,810	10,897	10,876	215,05
7,402	11,438	10,072	7,699	8,557	10,827	11,087	215,1
7,223	10,737	9,468	7,344	7,801	10,403	11,298	215,15
7,294	10,667	9,432	6,705	7,548	9,345	11,298	215,2
6,758	10,387	8,935	5,746	6,575	9,310	11,158	215,25
6,758	10,457	8,615	7,095	5,818	9,486	10,947	215,3
6,722	11,578	8,188	7,415	6,864	9,592	10,630	215,35
7,080	11,963	8,579	7,379	7,440	9,345	10,490	215,4
7,151	12,244	8,046	6,989	8,846	9,204	10,490	215,45
7,294	12,174	7,798	7,308	9,386	9,168	10,595	215,5
6,865	10,317	7,264	6,705	8,377	9,274	10,665	215,55
6,937	9,757	7,193	5,852	8,918	9,451	10,806	215,6
6,937	10,667	8,793	4,858	8,269	9,592	10,912	215,65
6,972	9,406	8,082	4,325	7,692	9,556	11,017	215,7
7,366	10,107	9,503	4,361	7,729	9,310	11,122	215,75
7,616	10,808	10,427	4,929	7,620	9,733	11,263	215,8
7,402	10,597	10,143	4,574	7,512	9,874	11,228	215,85
7,294	10,597	9,788	5,533	6,719	10,192	11,158	215,9
7,223	10,808	8,295	7,095	7,188	10,121	10,982	215,95
7,008	10,527	8,046	6,669	8,377	10,156	10,841	216
7,115	10,597	8,366	6,278	7,909	10,121	10,771	216,05
7,652	10,072	7,691	8,267	8,954	9,980	10,806	216,1
7,294	11,158	7,407	8,125	9,026	9,980	10,841	216,15
7,902	12,034	6,838	7,521	9,242	10,050	10,912	216,2
6,937	11,438	7,655	6,492	10,215	10,121	11,087	216,25
7,437	10,527	6,340	6,243	10,035	10,333	11,158	216,3
7,294	10,772	7,442	5,249	8,954	10,509	11,369	216,35
8,189	10,387	7,798	5,781	9,494	10,474	11,439	216,4
7,366	10,843	8,864	6,136	8,557	10,474	11,439	216,45
7,509	10,142	10,889	5,675	8,161	10,650	11,439	216,5
7,008	10,177	10,925	4,467	8,233	10,262	11,369	216,55
6,472	10,808	10,178	4,858	7,945	10,121	11,263	216,6
6,937	12,069	9,290	3,295	8,197	9,803	11,158	216,65
6,794	13,330	8,650	4,965	8,269	9,945	11,052	216,7

6,722	12,279	7,940	6,811	8,161	9,733	11,087	216,75
7,581	11,158	7,407	7,202	8,089	9,415	11,158	216,8
7,831	10,843	7,655	7,628	8,341	9,274	11,228	216,85
7,616	10,037	6,873	8,587	8,738	9,980	11,263	216,9
7,402	8,916	7,513	6,349	8,053	10,474	11,193	216,95
7,294	10,317	8,722	6,598	8,701	10,897	11,158	217
7,688	10,527	9,112	6,314	8,449	10,968	11,158	217,05
7,974	9,406	11,067	5,462	8,089	11,003	11,298	217,1
6,150	9,441	11,422	5,675	8,882	11,003	11,158	217,15
6,829	10,387	10,285	4,716	10,107	10,650	11,158	217,2
7,044	11,368	9,788	5,391	10,251	9,909	11,087	217,25
7,437	11,508	9,326	5,426	10,107	9,063	10,982	217,3
6,615	11,928	9,361	8,480	8,954	9,768	10,947	217,35
6,543	11,508	8,722	11,179	8,377	9,415	10,947	217,4
7,366	11,263	7,726	10,043	8,161	9,063	10,876	217,45
6,543	11,088	7,016	9,297	8,485	9,063	10,736	217,5
7,115	11,123	7,300	8,906	8,810	8,992	10,806	217,55
7,294	10,667	6,198	8,906	7,620	8,921	10,841	217,6
7,151	10,072	7,122	9,439	8,774	8,957	10,876	217,65
7,867	10,247	7,122	7,806	9,278	9,380	10,806	217,7
7,402	9,547	7,655	7,095	8,485	9,945	10,701	217,75
7,259	8,951	9,503	7,557	8,161	10,227	10,736	217,8
7,080	9,932	10,569	6,207	8,593	10,474	10,701	217,85
6,507	9,652	11,600	4,822	8,918	10,015	10,771	217,9
7,187	10,527	10,676	4,041	7,873	9,945	10,841	217,95
6,865	10,983	10,321	5,036	6,936	9,768	10,806	218
6,686	10,808	9,397	6,172	6,503	9,733	10,701	218,05
6,078	11,018	8,437	7,095	7,008	9,980	10,595	218,1
6,794	11,333	8,224	7,699	7,296	10,050	10,490	218,15
6,829	10,948	7,371	8,196	8,521	9,945	10,384	218,2
7,115	10,387	5,985	8,622	8,125	10,121	10,384	218,25
6,901	9,862	5,381	8,800	7,476	10,474	10,490	218,3
7,437	9,582	6,127	8,445	8,089	10,827	10,595	218,35
7,044	9,722	7,726	7,521	10,035	11,109	10,736	218,4
6,650	10,843	9,681	7,202	8,161	11,250	10,736	218,45
6,758	11,368	9,894	5,249	8,701	11,215	10,665	218,5
6,507	10,737	8,935	5,994	8,846	11,144	10,630	218,55
6,150	10,527	8,650	5,284	8,954	10,897	10,560	218,6
6,114	11,788	7,975	5,249	8,521	11,426	10,454	218,65
6,865	10,808	7,442	5,994	8,305	11,109	10,454	218,7
6,293	10,597	8,686	5,994	6,683	11,321	10,525	218,75
6,865	10,037	7,940	6,243	4,701	11,321	10,595	218,8
7,044	10,247	8,188	4,680	6,287	11,144	10,665	218,85
6,579	10,142	8,686	5,000	7,008	10,897	10,701	218,9
6,615	10,667	9,645	3,935	7,152	11,391	10,630	218,95
6,507	10,772	10,534	5,533	8,233	11,779	10,560	219
6,328	10,247	9,930	6,136	8,918	11,885	10,525	219,05
6,364	10,247	9,219	5,249	8,846	11,956	10,595	219,1
6,185	11,508	8,650	7,166	9,062	12,450	10,701	219,15
7,187	11,368	8,544	7,770	8,089	12,520	10,806	219,2
6,436	10,808	8,260	8,196	8,846	12,908	10,876	219,25
6,400	11,403	7,726	8,196	9,458	13,226	10,912	219,3
5,005	11,508	6,447	7,806	8,485	12,943	10,876	219,35
6,364	11,193	7,122	7,628	8,954	12,379	10,912	219,4
7,115	9,827	7,087	7,735	8,305	12,308	10,841	219,45

6,328	9,932	8,508	7,308	8,990	11,567	10,736	219,5
6,293	9,266	10,534	5,923	9,602	10,897	10,595	219,55
6,364	9,476	10,498	6,634	9,098	11,250	10,595	219,6
5,506	10,772	10,001	4,006	9,278	11,956	10,630	219,65
6,007	9,547	9,788	4,112	8,954	12,485	10,806	219,7
6,328	10,878	10,072	7,024	8,161	12,167	10,947	219,75
6,328	11,298	9,397	8,693	7,332	12,238	11,158	219,8
7,044	10,772	9,077	8,125	7,476	11,885	11,158	219,85
6,400	10,843	7,869	8,054	7,801	11,709	11,087	219,9
6,794	10,527	6,447	7,628	8,089	11,391	11,017	219,95
6,221	10,002	7,087	7,024	7,044	10,403	10,947	220
5,863	10,527	6,767	8,693	6,683	9,415	10,912	220,05
7,294	11,508	7,762	8,800	6,287	9,098	10,876	220,1
7,115	11,123	8,579	8,125	7,368	9,274	10,876	220,15
6,758	10,072	9,148	7,131	9,530	9,063	10,947	220,2
7,509	10,107	8,224	6,030	9,062	9,133	11,017	220,25
7,008	11,298	9,219	5,710	7,945	9,345	11,087	220,3
6,579	10,667	10,072	5,959	8,161	9,874	11,158	220,35
6,507	9,547	10,072	5,497	8,269	10,192	11,228	220,4
6,364	9,757	10,712	6,776	8,089	10,439	11,228	220,45
7,115	10,247	10,036	8,374	8,017	10,580	11,228	220,5
7,080	10,808	10,285	8,942	8,305	10,756	11,298	220,55
6,293	10,387	10,001	9,048	8,197	10,756	11,298	220,6
7,044	10,282	9,930	8,338	8,089	10,721	11,333	220,65
7,366	10,808	8,935	8,516	6,936	10,827	11,369	220,7
7,867	10,808	7,442	8,409	6,179	10,897	11,439	220,75
7,795	11,228	7,335	8,764	7,368	10,791	11,439	220,8
7,223	10,177	7,264	8,729	8,954	10,721	11,298	220,85
6,543	10,948	7,655	8,871	8,377	10,474	11,158	220,9
6,257	11,053	6,660	9,190	7,656	10,121	11,017	220,95
6,185	11,228	7,798	9,262	8,089	9,698	10,982	221
6,221	11,648	7,371	7,912	8,017	9,698	11,052	221,05
6,650	12,979	9,468	5,923	9,314	9,874	11,298	221,1
7,902	11,753	9,574	6,563	9,530	9,980	11,720	221,15
7,652	11,403	9,183	5,675	8,774	10,050	11,474	221,2
7,294	10,282	8,793	6,563	8,449	10,156	11,826	221,25
7,545	10,317	9,112	5,852	8,161	10,050	11,685	221,3
7,652	9,722	8,650	6,420	7,512	9,839	11,790	221,35
7,223	9,371	9,859	6,527	7,873	9,839	11,720	221,4
7,294	9,722	10,712	6,563	8,197	10,050	11,298	221,45
7,294	10,037	10,925	6,420	8,557	10,333	11,158	221,5
7,545	11,158	10,925	6,065	8,593	10,333	11,087	221,55
7,115	11,263	9,219	6,634	8,161	10,192	11,017	221,6
7,509	11,438	8,686	8,409	8,161	10,121	10,876	221,65
7,366	11,858	9,219	9,333	8,990	10,050	10,876	221,7
7,294	11,508	8,508	10,433	8,125	10,403	11,087	221,75
7,652	11,368	7,407	10,753	8,377	11,038	11,193	221,8
7,545	11,403	6,163	10,362	9,675	11,462	11,087	221,85
7,330	10,282	6,092	9,723	8,810	11,321	11,474	221,9
7,473	10,597	6,163	8,800	8,990	10,897	11,509	221,95
7,259	10,702	6,802	8,551	9,062	11,215	11,439	222
7,545	10,667	7,940	7,983	8,774	11,250	11,369	222,05
7,831	11,333	8,579	6,207	8,305	11,038	11,158	222,1
7,795	11,368	8,970	6,065	8,377	10,932	11,158	222,15
7,867	10,177	8,544	4,751	8,377	10,756	11,052	222,2

7,616	10,527	7,833	4,929	7,188	10,333	11,052	222,25
7,259	10,317	7,229	4,609	6,683	9,733	11,087	222,3
6,972	10,913	7,940	5,178	7,224	9,662	11,158	222,35
7,473	11,788	9,290	4,503	6,647	9,980	11,298	222,4
7,616	12,664	9,859	4,219	9,242	10,297	11,333	222,45
7,724	11,788	9,361	4,503	8,521	10,439	11,369	222,5
6,686	12,804	8,153	2,443	8,017	10,509	11,333	222,55
7,259	11,753	7,798	2,976	8,413	10,297	11,228	222,6
6,650	11,123	7,798	6,385	8,017	10,227	11,158	222,65
6,829	11,648	8,011	8,267	7,945	10,297	11,158	222,7
7,115	11,158	9,574	7,948	7,548	10,192	11,017	222,75
6,901	10,737	10,498	7,344	7,692	10,227	10,947	222,8
6,865	9,406	10,925	6,207	8,161	10,439	10,947	222,85
7,080	10,317	11,067	5,923	10,539	10,403	10,841	222,9
7,616	10,352	10,143	5,213	9,242	10,968	10,806	222,95
6,794	10,177	9,859	6,207	9,638	10,686	10,806	223
7,294	10,072	9,859	8,764	9,927	10,791	10,841	223,05
7,581	9,722	9,503	10,256	9,638	10,791	10,841	223,1
7,724	9,336	8,402	11,463	9,494	10,897	10,876	223,15
7,867	9,862	7,798	11,641	9,458	10,721	10,982	223,2
8,332	9,652	8,615	10,540	9,386	10,474	11,017	223,25
7,652	9,932	8,366	9,652	8,449	10,333	10,982	223,3
7,688	10,177	7,726	8,019	7,945	9,980	10,806	223,35
7,759	9,792	7,407	7,060	8,233	10,156	10,595	223,4
7,831	11,263	7,193	8,764	8,161	10,862	10,560	223,45
7,509	12,279	7,051	8,729	9,602	9,874	10,525	223,5
7,294	12,244	7,087	8,338	9,242	9,839	10,490	223,55
7,330	12,559	7,087	7,450	9,026	9,839	10,454	223,6
6,758	12,559	6,412	6,385	8,882	9,980	10,384	223,65
7,044	12,104	7,229	5,923	9,783	10,121	10,349	223,7
6,686	11,228	7,798	5,036	9,458	9,909	10,384	223,75
7,509	11,088	7,762	4,325	9,819	9,592	10,419	223,8
7,437	10,948	9,752	5,071	10,071	9,662	10,525	223,85
7,724	10,282	11,422	2,869	9,026	9,733	10,454	223,9
7,759	10,072	10,854	5,249	9,963	9,698	10,349	223,95
8,332	9,687	10,747	7,024	8,990	9,451	10,279	224
8,046	9,476	12,169	5,959	8,629	9,310	10,173	224,05
8,260	8,741	13,484	6,527	9,098	9,310	10,138	224,1
7,581	9,687	12,275	7,735	8,377	9,415	10,173	224,15
7,831	8,286	11,245	7,486	8,882	9,662	10,173	224,2
7,151	9,652	10,498	8,090	9,026	9,486	10,314	224,25
7,151	10,737	9,397	10,256	9,602	9,803	10,454	224,3
7,294	11,298	7,264	11,037	7,440	9,310	10,560	224,35
7,080	11,368	8,082	10,256	7,801	9,274	10,560	224,4
7,974	12,209	7,549	10,895	7,837	9,239	10,595	224,45
7,902	12,839	7,300	9,794	7,512	9,380	10,665	224,5
8,296	12,489	5,452	9,190	7,837	9,380	10,736	224,55
7,795	11,158	6,660	8,693	7,873	9,168	10,806	224,6
6,901	8,741	6,660	9,475	7,044	8,957	10,876	224,65
7,151	10,702	6,305	8,977	6,611	8,745	10,912	224,7
7,616	10,843	5,594	8,445	6,215	8,816	10,982	224,75
7,724	10,597	5,843	6,563	6,467	8,533	11,017	224,8
9,083	10,527	7,407	5,994	6,215	9,239	10,982	224,85
7,867	10,107	10,143	4,929	5,710	9,768	10,912	224,9
7,437	9,441	10,640	3,722	6,071	9,556	10,876	224,95

7,509	8,881	8,117	5,923	5,746	9,486	10,806	225
7,080	9,511	8,793	4,219	6,359	9,627	10,841	225,05
6,507	12,349	8,544	4,965	6,035	9,627	10,806	225,1
6,758	12,769	8,046	6,278	7,368	9,239	10,806	225,15
6,901	11,998	7,691	7,877	8,017	8,992	10,665	225,2
7,616	12,104	7,122	6,136	6,972	9,063	10,454	225,25
7,831	11,228	7,229	6,598	6,864	9,133	10,384	225,3
7,437	10,808	6,909	6,492	9,206	9,662	10,419	225,35
7,223	10,527	6,660	6,030	9,026	10,050	10,490	225,4
7,115	10,282	8,473	5,639	10,684	9,803	10,595	225,45
6,364	9,652	9,823	5,568	7,801	9,627	10,806	225,5
7,080	9,757	10,640	6,527	7,440	9,627	11,017	225,55
8,046	10,737	10,640	4,006	12,449	9,310	11,087	225,6
7,330	10,387	11,280	5,178	9,278	8,992	11,017	225,65
7,080	11,088	11,422	5,568	9,530	8,921	10,876	225,7
7,616	11,018	9,965	6,776	9,602	8,957	10,595	225,75
7,259	11,018	10,427	7,877	9,891	8,992	10,384	225,8
6,364	11,158	9,539	8,480	10,756	9,063	10,314	225,85
6,865	11,928	8,828	8,693	11,224	9,063	10,490	225,9
6,579	11,928	8,402	9,262	10,287	8,816	10,876	225,95
6,185	12,349	6,767	10,256	10,539	8,886	11,158	226
7,795	11,438	6,340	8,835	10,684	9,027	11,333	226,05
7,581	10,913	6,589	8,551	11,332	9,274	11,439	226,1
7,581	10,247	6,518	7,841	10,972	9,345	11,333	226,15
7,652	9,862	8,437	8,338	11,044	9,733	11,052	226,2
7,402	10,212	8,864	7,877	10,900	10,050	10,771	226,25
7,938	9,021	10,427	5,994	9,134	10,086	10,595	226,3
7,437	8,566	10,534	5,533	7,945	10,121	10,454	226,35
8,046	9,056	12,382	4,858	8,161	9,839	10,525	226,4
7,366	9,547	12,488	5,533	8,341	9,980	10,665	226,45
7,509	9,722	11,031	6,847	8,485	8,992	10,876	226,5
7,437	10,808	10,640	7,557	8,990	9,380	11,158	226,55
7,867	10,177	10,214	8,551	8,954	9,274	11,333	226,6
8,153	10,913	10,569	10,327	8,954	9,380	11,298	226,65
7,581	12,489	10,356	10,895	8,701	9,662	11,228	226,7
7,724	11,648	9,397	11,037	8,197	9,874	11,087	226,75
7,688	11,788	7,726	10,860	7,729	9,839	11,087	226,8
7,867	11,333	6,873	10,398	8,305	9,909	11,158	226,85
7,437	10,282	6,163	10,043	8,161	9,380	11,087	226,9
6,507	9,967	5,772	9,226	7,476	9,662	10,876	226,95
6,686	10,387	6,589	7,415	7,296	9,274	11,017	227
6,650	10,527	8,366	8,693	6,936	9,556	10,806	227,05
7,795	10,667	7,371	7,344	7,080	9,415	10,384	227,1
7,259	11,823	7,300	6,563	7,656	8,851	10,419	227,15
7,008	12,629	9,788	8,764	7,296	9,627	10,665	227,2
8,260	10,983	8,295	7,344	9,098	10,192	10,736	227,25
8,046	10,808	8,757	7,628	7,837	10,227	10,806	227,3
8,189	9,932	8,046	6,705	7,801	9,980	10,947	227,35
7,581	10,177	7,300	7,628	7,909	10,121	11,087	227,4
7,616	9,687	6,660	6,563	8,161	10,192	11,052	227,45
6,257	9,617	7,655	6,527	8,485	10,015	11,017	227,5
6,937	9,827	11,458	6,065	9,026	9,698	10,982	227,55
6,722	11,228	12,417	6,385	8,341	9,803	10,982	227,6
6,257	11,928	10,569	6,030	8,413	9,486	10,912	227,65
6,722	13,295	9,681	7,912	8,305	9,239	10,876	227,7

6,865	12,594	8,970	8,161	8,738	9,415	10,841	227,75
7,652	11,298	8,544	7,628	9,062	9,451	10,806	227,8
8,153	11,088	6,589	9,084	10,431	9,451	10,876	227,85
7,294	9,266	4,777	11,321	9,602	9,204	10,912	227,9
7,616	9,687	5,807	8,800	8,233	9,204	10,947	227,95
7,366	9,687	7,726	7,983	8,774	9,204	10,982	228
7,759	10,107	9,432	7,735	7,584	9,310	10,947	228,05
8,367	10,387	10,605	7,948	8,593	9,133	10,947	228,1
8,296	10,177	11,564	7,663	8,810	8,851	11,087	228,15
8,332	10,808	10,427	6,989	8,738	8,851	11,193	228,2
7,652	10,457	8,864	5,284	9,134	8,816	11,298	228,25
7,974	9,932	9,219	10,647	8,774	8,992	11,298	228,3
7,652	10,597	9,326	7,486	8,557	8,816	11,228	228,35
7,366	10,667	8,188	7,557	8,089	9,063	11,193	228,4
6,615	11,018	7,478	9,297	7,801	9,627	11,158	228,45
6,579	11,228	7,158	10,185	6,864	9,451	11,228	228,5
6,865	12,279	7,122	9,652	6,395	9,133	11,298	228,55
7,080	11,928	6,376	9,048	6,683	8,710	11,439	228,6
7,545	10,667	6,767	8,693	6,575	10,262	11,509	228,65
7,867	10,632	7,442	7,095	6,936	9,768	11,509	228,7
8,189	9,476	7,478	6,705	7,188	9,945	11,474	228,75
8,260	9,126	7,335	5,497	7,224	10,333	11,369	228,8
8,117	8,706	8,579	5,923	7,440	10,509	11,369	228,85
6,865	9,336	9,930	3,828	7,152	10,333	11,369	228,9
7,509	9,792	10,285	4,467	7,981	10,333	11,369	228,95
7,151	12,139	9,788	5,852	8,053	10,403	11,439	229
7,294	12,874	8,224	1,875	8,810	10,050	11,439	229,05
7,795	13,225	7,513	6,776	9,134	9,556	11,439	229,1
7,938	13,084	6,127	7,912	8,593	9,521	11,439	229,15
7,080	11,928	5,488	7,806	8,593	9,486	11,439	229,2
6,829	10,772	4,635	9,262	6,647	9,415	11,298	229,25
6,293	10,527	5,203	6,989	7,080	9,345	11,193	229,3
6,615	10,527	6,945	8,161	8,017	9,486	11,087	229,35
6,901	10,527	9,219	7,344	8,701	9,698	11,087	229,4
7,115	10,948	10,214	7,131	8,305	10,156	11,228	229,45
7,330	10,527	10,783	5,071	8,701	10,227	11,369	229,5
7,545	9,687	11,742	5,568	8,629	10,297	11,439	229,55
7,867	8,776	10,214	5,426	8,810	10,262	11,439	229,6
8,010	9,126	9,645	5,462	7,440	10,474	11,439	229,65
7,151	9,231	10,534	7,486	7,260	10,297	11,439	229,7
7,616	9,371	10,178	8,871	6,864	10,050	11,333	229,75
6,758	9,476	9,219	10,860	6,864	9,909	11,228	229,8
7,688	9,406	7,513	9,688	6,323	9,768	11,158	229,85
7,044	10,913	7,229	8,445	8,413	9,486	11,052	229,9
8,081	11,088	7,300	8,835	8,377	9,204	11,087	229,95
7,724	10,457	7,300	8,232	8,449	9,380	11,158	230
7,652	11,088	7,229	8,551	7,692	9,239	11,193	230,05
7,008	11,228	6,056	7,770	7,152	9,486	11,193	230,1
7,437	9,687	6,731	6,847	9,062	9,733	11,193	230,15
7,437	10,983	7,016	6,598	8,882	9,909	11,228	230,2
7,616	12,139	7,940	6,243	8,593	10,121	11,369	230,25
7,902	11,438	7,229	4,893	8,233	10,050	11,509	230,3
8,081	12,139	8,046	5,426	7,548	10,050	11,439	230,35
7,795	11,718	7,798	7,735	7,801	10,050	11,228	230,4
7,044	11,368	7,655	4,361	9,422	9,768	11,017	230,45

6,615	10,142	7,798	5,497	10,143	9,733	10,876	230,5
6,615	11,018	7,158	6,740	10,684	9,592	10,630	230,55
6,328	11,333	7,442	7,060	11,729	9,486	10,736	230,6
6,686	11,928	8,046	6,492	10,684	10,121	10,771	230,65
7,330	12,384	7,691	6,349	10,251	10,509	10,841	230,7
7,294	11,578	7,904	7,131	9,422	10,615	10,947	230,75
6,794	10,247	7,798	8,516	7,512	9,768	11,087	230,8
7,867	10,212	8,935	8,480	7,873	9,274	11,158	230,85
8,010	9,967	8,935	6,669	7,765	8,216	11,298	230,9
8,725	8,776	9,290	4,893	9,422	8,392	11,369	230,95
8,332	8,881	9,148	3,686	8,882	8,498	11,333	231
7,330	9,897	9,397	5,355	8,990	8,957	11,158	231,05
6,579	9,336	10,712	6,634	8,557	8,780	10,947	231,1
7,008	9,967	11,778	7,273	8,341	8,675	10,806	231,15
7,294	9,266	9,859	8,409	8,449	8,639	10,771	231,2
7,080	10,737	9,397	7,841	8,161	8,710	10,876	231,25
7,974	13,540	9,183	8,445	8,089	8,745	10,982	231,3
7,509	11,718	9,397	9,404	8,053	9,063	11,017	231,35
7,330	11,088	7,442	8,800	8,161	9,380	11,369	231,4
8,260	10,317	6,483	9,333	8,810	9,274	11,439	231,45
7,938	10,247	4,670	9,084	7,909	9,204	11,333	231,5
7,795	10,632	5,097	8,125	8,197	9,133	11,228	231,55
7,366	9,827	6,696	8,338	9,134	9,063	10,876	231,6
7,080	9,301	6,092	8,374	8,738	9,345	10,665	231,65
7,044	9,126	7,691	7,273	8,918	9,274	10,595	231,7
7,616	8,811	8,722	7,770	7,584	9,274	10,454	231,75
8,117	11,088	9,219	5,852	8,089	9,063	10,525	231,8
7,688	11,893	9,788	5,036	7,801	9,204	10,665	231,85
8,546	10,317	9,361	4,893	7,801	9,063	10,806	231,9
9,154	9,336	9,823	4,183	7,512	9,415	10,876	231,95
8,654	8,286	9,788	5,178	8,197	9,733	11,052	232
7,974	8,145	10,640	5,497	8,161	9,839	11,158	232,05
7,080	7,760	9,894	7,557	8,593	10,192	11,333	232,1
6,615	6,814	10,214	4,006	8,521	10,650	11,158	232,15
6,722	7,585	9,717	6,776	10,143	10,897	11,087	232,2
8,010	10,808	9,432	4,787	8,413	10,509	11,122	232,25
7,402	12,559	8,544	5,923	7,945	10,297	10,876	232,3
6,937	11,788	8,935	7,912	8,341	10,192	10,630	232,35
7,867	12,979	7,549	9,368	7,620	9,980	11,298	232,4
7,044	12,069	6,340	10,185	7,404	9,698	11,193	232,45
6,937	10,107	7,904	10,398	7,620	9,415	11,017	232,5
6,829	10,667	5,523	9,297	8,269	9,204	11,017	232,55
7,294	11,088	5,061	9,617	8,521	8,921	11,087	232,6
7,759	11,333	5,807	7,237	8,665	8,604	11,158	232,65
7,330	11,718	7,655	7,166	8,089	8,569	11,158	232,7
9,441	10,667	10,214	6,136	7,296	8,569	11,052	232,75
9,584	9,511	10,640	5,213	7,476	8,533	11,017	232,8
8,689	8,881	12,062	6,243	7,296	8,286	10,876	232,85
8,546	8,250	12,062	5,639	7,296	8,075	10,665	232,9
8,332	8,005	10,640	5,249	7,512	7,934	10,701	232,95
6,507	7,340	11,209	6,598	7,224	7,934	10,560	233
6,293	8,145	8,722	6,314	8,089	8,075	10,384	233,05
6,150	8,951	7,584	8,338	7,476	8,392	10,033	233,1
6,364	9,967	7,407	7,806	7,332	8,780	10,033	233,15
6,722	9,511	8,473	10,327	7,801	9,133	10,033	233,2

7,616	10,913	8,935	10,043	7,548	9,521	10,244	233,25
8,153	13,225	9,112	10,043	7,224	9,909	10,384	233,3
8,010	11,228	8,650	9,297	7,512	10,333	10,701	233,35
7,187	9,371	7,798	9,190	7,188	10,368	10,876	233,4
8,797	9,687	6,092	9,333	6,792	10,686	10,947	233,45
8,725	10,247	4,599	7,877	7,692	10,474	10,912	233,5
8,296	9,406	2,929	6,847	8,269	10,368	10,525	233,55
8,940	9,652	5,097	6,776	8,882	10,439	10,525	233,6
8,654	10,107	8,366	6,456	7,584	10,333	10,314	233,65
7,330	9,652	10,001	6,563	7,224	10,439	10,244	233,7
7,402	9,827	8,082	6,492	8,377	10,544	10,244	233,75
6,972	12,839	7,513	5,781	8,305	10,686	10,244	233,8
6,650	12,979	7,975	5,000	8,377	10,721	10,490	233,85
6,400	14,416	7,442	4,858	7,368	10,474	10,630	233,9
7,294	14,170	7,478	4,929	7,080	10,297	10,701	233,95
7,008	14,346	5,274	4,858	7,368	9,768	10,876	234
6,150	12,139	4,955	5,213	6,431	9,733	10,876	234,05
7,581	10,107	4,670	4,396	5,963	9,662	10,736	234,1
7,366	10,107	5,132	5,497	6,107	9,451	10,595	234,15
7,151	9,827	10,214	4,716	7,260	9,239	10,490	234,2
7,294	9,827	10,569	5,213	15,405	9,063	10,454	234,25
7,509	9,967	11,138	5,568	10,972	9,239	10,595	234,3
6,937	9,827	12,026	4,254	9,242	9,556	10,630	234,35
6,722	9,266	12,844	7,166	8,665	9,627	10,771	234,4
6,865	7,795	13,945	8,658	8,990	9,803	10,876	234,45
6,615	7,305	12,062	7,202	7,044	10,297	10,947	234,5
6,722	8,356	9,788	8,161	8,089	9,874	10,982	234,55
7,509	9,161	9,255	10,114	8,485	10,227	11,017	234,6
8,081	9,547	10,676	10,185	8,701	10,050	10,947	234,65
8,439	9,652	11,209	10,540	10,684	9,839	10,876	234,7
8,153	8,846	10,214	11,037	11,440	9,980	10,806	234,75
7,902	8,776	9,148	11,605	9,530	9,415	10,771	234,8
7,581	10,387	9,361	9,723	9,494	9,239	10,630	234,85
6,865	11,158	8,650	9,794	10,503	9,168	10,525	234,9
6,543	11,123	7,798	8,622	10,251	9,168	10,525	234,95
7,008	9,722	6,518	7,308	10,900	9,063	10,454	235
6,722	10,422	6,376	7,841	10,395	9,274	10,595	235,05
6,579	12,629	6,376	8,303	10,648	9,380	10,841	235,1
7,402	12,524	7,229	8,338	10,972	9,451	10,630	235,15
7,724	10,352	7,016	6,847	11,080	9,698	10,560	235,2
7,581	9,862	8,011	6,598	10,936	9,698	10,701	235,25
7,724	9,021	8,579	6,918	10,972	9,521	10,665	235,3
7,688	9,021	7,300	6,918	11,080	9,662	10,490	235,35
7,330	9,862	8,757	5,923	10,756	9,698	10,033	235,4
8,046	10,878	9,148	6,420	9,819	9,733	10,665	235,45
7,616	11,648	9,894	6,563	9,783	9,803	10,771	235,5
7,366	10,247	8,650	5,923	9,999	9,803	10,736	235,55
7,330	10,177	8,544	7,699	10,359	9,698	10,736	235,6
7,402	11,438	7,726	8,409	10,431	9,768	10,806	235,65
6,758	12,874	7,407	8,303	10,323	9,698	10,876	235,7
7,115	13,084	7,300	7,841	10,431	9,627	10,841	235,75
7,151	12,909	6,447	7,486	10,539	9,345	10,736	235,8
8,046	12,629	4,990	8,090	10,251	9,627	10,806	235,85
7,581	11,298	5,701	6,847	10,539	10,015	10,771	235,9
7,938	10,808	7,726	5,994	10,936	10,156	10,701	235,95

7,294	9,652	8,188	6,207	10,431	10,544	11,017	236
7,294	10,527	10,498	4,148	9,314	10,615	10,947	236,05
7,795	10,527	12,062	4,751	8,918	10,297	11,439	236,1
7,044	9,266	13,484	4,077	9,494	10,192	11,298	236,15
7,581	8,566	13,697	3,402	9,350	10,121	11,122	236,2
6,758	7,620	12,062	6,634	9,350	10,121	10,701	236,25
7,330	8,531	11,138	9,759	9,098	10,121	10,454	236,3
7,938	10,527	10,747	9,617	9,711	10,192	10,454	236,35
7,652	11,858	10,250	7,308	9,927	10,439	10,454	236,4
7,831	11,648	9,681	9,723	8,954	10,615	10,665	236,45
7,402	11,018	9,290	10,220	8,449	10,862	10,982	236,5
7,795	9,161	8,935	11,108	7,909	11,321	11,017	236,55
7,759	8,846	8,508	14,446	8,017	11,179	10,982	236,6
7,330	8,951	7,371	10,611	8,377	10,862	10,876	236,65
7,402	10,352	5,843	10,078	8,377	10,439	10,665	236,7
7,759	9,617	5,807	10,078	8,521	9,909	10,454	236,75
6,722	10,843	6,163	9,901	8,557	9,945	10,314	236,8
6,436	12,034	5,310	10,185	7,945	10,368	10,244	236,85
7,008	12,209	5,274	10,114	7,188	10,686	10,208	236,9
6,865	13,014	4,741	10,220	7,224	10,333	10,314	236,95
7,437	14,451	3,320	9,297	7,440	10,121	10,454	237
7,259	13,925	4,457	7,770	6,864	9,627	10,701	237,05
7,545	12,944	5,950	5,852	7,008	9,627	10,876	237,1
7,724	11,648	4,919	4,822	6,936	9,662	10,982	237,15
8,439	10,667	4,386	4,716	7,260	10,297	10,912	237,2
7,473	9,441	4,102	1,307	6,756	10,333	10,736	237,25
7,330	8,916	4,350	4,503	6,828	10,474	10,595	237,3
6,150	7,725	7,726	4,183	6,323	10,403	10,384	237,35
6,543	9,161	9,930	3,366	8,089	10,262	10,454	237,4
6,650	10,492	12,062	4,929	7,440	10,262	10,665	237,45
6,615	10,387	12,915	4,041	8,089	10,192	10,947	237,5
7,008	9,476	10,107	5,107	8,377	10,050	10,982	237,55
8,117	11,018	9,432	3,473	9,026	9,909	10,947	237,6
7,867	11,158	9,397	5,781	9,170	9,839	10,982	237,65
7,724	10,737	9,610	6,207	8,233	10,403	10,806	237,7
7,294	11,368	8,828	6,527	9,999	10,968	10,841	237,75
8,618	11,333	8,864	6,563	10,648	11,920	10,947	237,8
8,475	10,212	8,935	7,131	11,152	11,920	10,912	237,85
7,545	9,511	8,366	5,923	10,431	11,426	10,912	237,9
7,437	10,667	8,046	6,705	9,927	11,038	10,912	237,95
7,473	11,683	7,798	5,888	9,999	10,615	10,947	238
6,829	11,578	8,224	6,811	9,891	10,403	10,947	238,05
6,507	11,718	8,793	6,598	9,422	10,297	11,052	238,1
6,794	11,158	8,188	7,060	9,819	10,333	11,122	238,15
6,472	10,247	7,798	6,243	9,891	10,121	11,122	238,2
6,579	12,489	6,660	7,557	10,035	9,980	11,158	238,25
6,829	14,731	6,945	8,267	9,675	9,839	11,158	238,3
7,187	14,100	6,554	6,776	9,783	10,050	11,122	238,35
7,294	11,648	7,264	6,634	9,530	10,121	11,052	238,4
7,330	10,247	7,513	5,746	9,494	10,227	11,017	238,45
8,260	10,808	6,340	4,965	9,675	10,050	11,017	238,5
7,187	10,843	6,163	4,858	9,783	9,909	11,158	238,55
7,688	10,247	10,427	4,965	9,819	10,015	11,158	238,6
7,151	9,161	14,301	5,923	9,891	9,768	11,158	238,65
6,543	9,406	14,265	5,142	9,963	9,486	11,122	238,7

6,901	9,336	12,986	6,811	9,458	9,415	11,087	238,75
8,117	9,336	12,631	7,486	9,855	9,451	11,017	238,8
8,153	9,266	10,818	8,977	8,197	9,909	10,912	238,85
8,868	9,582	11,493	9,333	8,918	10,262	10,876	238,9
9,190	8,110	10,356	10,256	8,341	10,439	10,947	238,95
8,940	7,024	9,432	11,712	8,954	10,686	11,017	239
7,867	8,145	8,935	11,783	8,810	10,544	11,122	239,05
6,972	8,951	9,397	10,540	8,413	10,262	11,193	239,1
6,543	9,652	9,183	10,007	8,233	10,192	11,158	239,15
6,972	10,878	6,945	10,469	7,656	10,050	11,228	239,2
6,436	14,240	6,980	8,871	7,584	10,050	11,087	239,25
6,293	14,451	5,594	8,977	8,341	10,050	11,017	239,3
6,758	14,030	4,066	8,587	7,152	10,015	10,806	239,35
7,008	13,400	2,112	8,338	8,161	10,086	10,701	239,4
7,115	11,298	2,289	8,125	8,810	10,262	10,701	239,45
7,044	9,757	4,635	6,847	7,584	10,262	10,876	239,5
7,473	9,617	6,625	4,858	7,620	10,403	11,017	239,55
7,652	9,161	7,229	5,107	7,656	-10,721	11,122	239,6
7,294	9,862	9,859	4,929	9,206	10,368	11,158	239,65
6,937	8,916	10,534	4,254	7,765	10,403	11,228	239,7
7,688	9,266	10,214	1,378	7,873	10,297	11,263	239,75
7,330	9,301	10,640	5,036	8,125	10,297	11,193	239,8
7,402	9,196	10,001	5,426	7,873	10,121	11,017	239,85
7,402	9,652	8,686	6,669	8,449	10,121	10,876	239,9
7,008	9,827	8,331	5,781	9,783	10,050	10,701	239,95
7,151	10,527	6,589	6,385	9,602	10,121	10,665	240
7,259	10,983	7,478	6,811	9,675	10,156	10,771	240,05
6,937	11,543	6,340	6,634	9,638	10,262	10,912	240,1
7,366	12,279	6,980	6,456	9,458	10,192	11,122	240,15
7,151	11,718	6,269	5,426	10,251	10,262	11,158	240,2
7,509	10,878	7,335	4,929	9,747	10,121	11,298	240,25
7,867	10,808	7,940	5,959	9,530	10,050	11,369	240,3
6,543	10,352	7,371	5,675	8,954	9,874	11,333	240,35
7,008	9,406	5,878	4,609	8,810	9,874	11,158	240,4
6,937	9,897	9,894	4,787	8,449	10,050	10,982	240,45
7,115	10,212	7,442	4,396	8,846	10,156	10,806	240,5
6,901	10,843	7,442	4,645	8,954	10,262	10,701	240,55
7,080	11,263	8,650	5,639	8,774	10,121	10,806	240,6
7,938	10,913	8,295	6,065	8,701	9,874	10,876	240,65
8,797	11,053	8,473	5,071	8,629	9,345	10,982	240,7
7,545	10,072	8,508	4,787	8,377	8,957	11,087	240,75
6,579	9,126	7,584	5,533	8,305	8,851	11,158	240,8
6,579	8,356	7,655	6,278	8,269	9,027	11,158	240,85
5,434	8,531	7,833	6,385	8,053	9,133	11,087	240,9
6,507	9,056	7,655	7,060	8,305	9,556	10,982	240,95
6,686	10,212	8,224	6,811	8,521	9,803	10,912	241
6,364	10,983	10,463	7,877	9,206	9,839	10,912	241,05
7,187	9,652	10,676	7,131	10,323	9,839	10,912	241,1
6,686	9,406	10,640	7,237	9,242	10,192	10,947	241,15
7,366	8,601	9,823	7,592	9,638	10,368	10,912	241,2
7,008	8,286	9,645	7,735	9,170	10,050	10,982	241,25
6,865	8,846	9,717	7,557	8,593	9,945	11,017	241,3
7,652	8,531	10,107	8,693	8,089	9,803	11,087	241,35
6,400	8,531	10,250	6,456	7,440	9,698	11,087	241,4
7,008	8,706	9,503	7,770	6,936	9,909	11,087	241,45

6,686	10,142	8,864	8,125	7,801	9,980	11,017	241,5
6,972	10,177	8,508	10,327	8,413	10,050	10,912	241,55
6,579	10,527	8,224	11,215	8,629	9,909	10,806	241,6
6,185	12,384	8,295	12,245	8,738	9,874	10,841	241,65
6,579	11,893	7,264	11,108	8,810	10,262	10,947	241,7
6,686	10,878	6,483	9,901	8,161	10,509	11,158	241,75
6,543	11,018	5,488	9,368	7,260	10,615	11,263	241,8
6,794	10,913	5,061	10,185	7,260	10,509	11,298	241,85
7,294	9,687	5,985	9,404	7,044	10,403	11,193	241,9
7,294	9,126	8,437	6,918	7,152	10,403	11,122	241,95
7,115	8,916	9,255	6,385	6,792	10,368	11,087	242
6,829	8,776	9,183	4,574	6,215	10,262	11,087	242,05
6,293	8,916	9,148	4,148	6,323	10,050	11,087	242,1
6,722	8,811	9,930	6,314	8,233	10,050	11,087	242,15
6,364	9,336	8,935	5,604	8,233	10,050	11,158	242,2
6,865	9,476	9,006	6,989	8,629	10,086	11,158	242,25
6,472	9,582	9,148	5,462	8,665	10,262	11,369	242,3
7,223	11,053	9,041	6,314	8,521	10,509	11,509	242,35
7,223	10,457	9,077	6,918	7,873	10,544	11,579	242,4
7,008	9,441	8,935	6,278	7,909	10,474	11,615	242,45
7,294	9,196	7,726	6,492	7,692	10,403	11,615	242,5
7,581	9,757	7,513	7,308	7,692	10,156	11,474	242,55
6,972	9,406	7,407	6,314	7,765	9,803	11,298	242,6
7,008	10,808	6,554	7,735	7,476	9,521	11,122	242,65
7,080	11,158	7,335	7,699	7,656	9,345	10,947	242,7
7,151	11,683	6,767	7,557	8,521	9,204	10,947	242,75
6,829	11,123	6,518	7,415	8,954	9,239	11,017	242,8
6,794	10,527	6,660	6,918	8,846	9,345	11,158	242,85
6,507	10,878	6,305	6,776	9,602	9,486	11,298	242,9
6,579	11,648	7,335	5,071	9,999	9,556	11,369	242,95
6,364	11,158	6,696	5,568	11,044	9,698	11,439	243
7,008	10,597	7,726	5,249	11,585	9,592	11,509	243,05
6,650	11,753	7,300	5,000	10,503	9,768	11,509	243,1
7,044	10,282	8,366	4,148	9,711	9,803	11,509	243,15
6,937	11,508	9,752	5,604	9,783	9,627	11,439	243,2
6,758	10,212	8,970	5,320	9,530	9,627	11,369	243,25
6,758	10,808	10,463	3,189	8,233	9,698	11,298	243,3
6,794	11,158	11,173	3,651	9,530	9,486	11,298	243,35
6,758	11,508	10,214	5,533	10,431	9,592	11,333	243,4
6,829	11,368	8,650	7,628	10,539	9,556	11,439	243,45
7,044	10,247	8,473	5,426	10,756	9,556	11,369	243,5
6,865	10,072	7,655	7,166	10,251	9,662	11,333	243,55
6,937	9,757	7,655	8,196	9,999	9,733	11,369	243,6
6,507	10,527	8,935	7,166	8,774	9,733	11,439	243,65
6,507	8,776	9,361	5,568	8,377	9,909	11,474	243,7
6,436	8,846	11,138	4,041	8,341	9,980	11,579	243,75
6,794	9,266	10,569	3,295	8,990	10,015	11,650	243,8
7,509	9,967	10,889	3,331	7,512	9,980	11,650	243,85
7,008	9,792	11,422	5,284	7,080	10,050	11,615	243,9
7,294	9,827	10,747	7,308	7,801	10,086	11,579	243,95
7,366	9,547	9,290	8,054	8,089	10,333	11,509	244
7,402	9,196	8,473	9,155	7,188	10,686	11,579	244,05
7,187	9,406	8,793	10,007	8,377	10,756	11,579	244,1
6,901	9,266	8,650	10,327	7,801	10,862	11,650	244,15
7,366	9,617	7,655	8,480	6,828	10,827	11,650	244,2

6,650	10,737	6,980	7,912	7,080	10,827	11,579	244,25
7,473	13,400	6,838	8,480	8,593	10,756	11,509	244,3
7,581	16,727	5,630	7,806	7,729	10,756	11,474	244,35
7,652	14,871	5,736	8,409	7,260	10,403	11,439	244,4
6,400	13,890	5,736	6,314	6,792	10,403	11,439	244,45
7,366	11,963	6,518	6,527	8,882	10,121	11,439	244,5
6,436	11,088	7,975	5,391	8,521	10,156	11,439	244,55
7,080	10,808	8,260	4,574	8,701	10,015	11,439	244,6
6,972	10,562	9,148	3,047	8,882	9,874	11,439	244,65
6,722	9,547	9,503	1,733	9,458	9,768	11,439	244,7
7,545	8,986	9,788	0,490	8,089	9,768	11,333	244,75
7,437	8,145	8,295	4,219	7,656	9,839	11,263	244,8
7,509	8,286	9,539	6,705	8,341	9,909	11,298	244,85
9,226	9,056	12,453	6,207	7,656	9,945	11,298	244,9
8,010	8,356	12,062	6,207	7,224	9,909	11,298	244,95
8,081	8,951	11,493	8,693	8,233	9,980	11,263	245
6,829	10,808	11,209	10,753	7,837	9,980	11,158	245,05
7,294	9,862	10,107	10,327	6,575	10,192	11,017	245,1
7,294	9,021	9,361	11,605	7,981	10,192	10,876	245,15
7,437	8,601	7,300	10,007	8,449	10,086	10,736	245,2
7,080	10,737	8,082	9,333	8,197	10,544	10,701	245,25
7,509	11,928	6,945	9,262	8,377	10,403	10,701	245,3
7,509	11,508	5,061	9,262	8,197	10,262	10,736	245,35
6,865	9,932	5,381	8,054	7,765	10,368	10,771	245,4
6,436	10,177	3,569	8,729	8,341	10,262	10,771	245,45
6,615	10,107	2,964	8,338	8,305	10,121	10,841	245,5
7,187	11,298	3,249	7,912	7,620	10,333	10,876	245,55
7,724	9,687	5,274	7,806	6,431	10,227	10,876	245,6
7,330	11,298	5,807	7,202	7,080	10,721	10,841	245,65
7,080	10,177	6,909	3,722	7,080	10,262	10,595	245,7
6,472	10,177	6,305	3,579	8,089	10,368	10,630	245,75
7,187	11,193	6,127	4,609	7,801	10,156	10,665	245,8
7,008	10,002	6,625	4,432	7,656	10,015	10,806	245,85
6,794	11,683	5,274	4,787	7,404	9,909	10,876	245,9
6,472	12,279	3,960	4,219	7,729	9,803	11,052	245,95
6,722	12,559	6,447	4,787	7,909	9,592	11,158	246
5,899	12,244	6,305	5,071	6,828	9,451	11,158	246,05
5,899	11,298	7,513	4,112	8,269	9,380	11,122	246,1
6,293	11,403	8,686	2,372	9,963	9,168	10,947	246,15
6,507	11,088	9,503	2,763	8,449	9,415	10,771	246,2
6,722	10,142	9,290	1,555	9,530	9,592	10,736	246,25
7,151	9,441	9,539	5,994	10,179	9,592	10,806	246,3
7,330	8,986	9,255	5,213	9,458	9,345	10,876	246,35
6,543	8,075	10,498	7,877	9,566	9,133	10,912	246,4
6,722	8,531	13,555	6,776	8,629	9,098	10,876	246,45
6,722	9,161	13,910	5,994	9,134	9,274	10,912	246,5
6,794	8,636	11,635	6,492	9,783	9,204	10,912	246,55
6,078	10,212	10,107	6,314	11,188	8,604	10,841	246,6
7,259	10,562	9,574	6,776	11,440	8,780	10,665	246,65
7,008	11,403	9,397	9,901	11,873	8,992	10,595	246,7
6,722	10,352	8,899	9,226	11,837	9,310	10,454	246,75
7,473	10,527	9,219	10,362	11,945	9,486	10,454	246,8
6,794	9,582	8,153	9,794	10,503	9,345	10,454	246,85
6,829	9,792	7,229	9,865	11,224	9,521	10,560	246,9
7,187	9,897	6,945	9,119	10,503	9,556	10,525	246,95

6,865	10,387	5,950	9,439	10,107	9,592	10,595	247
6,579	10,247	4,812	7,912	10,107	9,627	10,630	247,05
6,615	10,387	7,087	8,125	9,566	9,874	10,630	247,1
7,115	12,839	6,802	5,568	9,855	9,945	10,595	247,15
7,008	12,384	6,625	6,918	10,431	9,909	10,560	247,2
6,650	12,139	6,589	5,533	11,224	9,909	10,560	247,25
7,473	11,368	8,082	6,918	10,972	10,086	10,595	247,3
6,865	11,018	7,726	5,426	8,161	10,192	10,595	247,35
6,257	10,808	7,300	5,994	6,936	10,050	10,665	247,4
6,293	10,352	8,793	6,385	7,584	9,945	10,665	247,45
6,364	10,212	9,503	6,385	8,629	9,909	10,701	247,5
6,579	10,212	12,986	5,994	7,909	9,909	10,701	247,55
6,686	10,212	11,671	5,781	7,801	9,980	10,630	247,6
7,223	11,088	12,737	4,858	8,810	10,156	10,560	247,65
7,581	10,527	11,600	4,254	8,377	10,262	10,595	247,7
7,080	9,827	10,889	8,835	7,945	10,333	10,595	247,75
7,044	9,301	10,712	6,456	7,656	10,509	10,665	247,8
7,187	9,056	9,539	6,811	7,584	10,156	10,701	247,85
7,223	8,531	10,285	7,806	7,368	10,262	10,736	247,9
6,865	8,426	11,564	7,948	9,350	10,615	10,736	247,95
6,722	10,527	11,316	8,693	8,449	10,474	10,665	248
7,366	10,282	10,498	7,450	7,873	10,333	10,630	248,05
6,579	10,247	10,001	11,037	8,665	10,227	10,630	248,1
6,901	10,808	8,757	10,753	7,801	10,439	10,560	248,15
6,865	10,212	8,579	11,463	6,611	10,403	10,595	248,2
6,364	10,597	7,798	13,097	6,647	10,227	10,665	248,25
7,044	9,862	6,340	11,747	6,756	10,368	10,701	248,3
7,187	9,091	5,736	11,286	5,314	10,474	10,630	248,35
7,545	9,897	4,635	9,901	5,855	10,262	10,595	248,4
7,724	10,002	5,914	9,190	5,746	9,945	10,525	248,45
6,829	10,142	7,798	9,865	4,125	10,086	10,525	248,5
7,008	11,123	6,909	10,576	4,017	10,156	10,630	248,55
7,044	11,578	6,767	9,475	4,449	10,368	10,771	248,6
7,724	12,139	5,630	9,936	5,999	10,544	10,841	248,65
7,437	11,508	3,604	9,333	6,647	10,544	10,876	248,7
7,473	11,018	6,163	7,699	6,395	10,403	10,806	248,75
7,402	11,368	6,305	6,598	6,539	10,297	10,806	248,8
7,795	11,753	6,873	5,497	7,368	10,333	10,736	248,85
6,758	10,527	7,371	4,503	7,692	10,262	10,701	248,9
6,972	10,282	9,077	3,651	7,584	10,192	10,736	248,95
6,686	10,843	9,788	4,361	8,161	10,050	10,736	249
6,400	9,687	9,255	3,508	7,656	10,192	10,771	249,05
7,008	8,986	8,864	0,845	9,062	10,297	10,806	249,1
6,686	10,002	9,503	3,970	9,278	10,262	10,912	249,15
7,080	10,527	10,321	5,462	9,602	10,333	11,052	249,2
6,364	11,928	10,321	7,202	9,386	10,297	11,122	249,25
7,080	12,839	10,427	8,729	9,098	10,227	11,158	249,3
6,937	10,317	8,650	6,705	7,873	10,192	11,087	249,35
6,758	9,582	8,046	5,284	8,593	10,192	10,947	249,4
6,650	9,652	7,442	6,136	9,386	10,192	10,876	249,45
7,151	8,706	6,340	7,948	9,602	10,333	10,736	249,5
6,650	9,056	6,767	7,628	8,593	10,262	10,736	249,55
6,150	8,180	7,335	6,740	9,098	10,333	10,876	249,6
6,150	9,862	12,666	5,994	9,963	10,262	11,017	249,65
6,758	9,757	13,803	4,538	9,242	10,227	11,087	249,7

6,722	10,037	12,026	4,503	8,882	10,227	11,017	249,75
6,865	10,913	9,006	2,585	8,197	10,156	10,947	249,8
7,187	10,107	9,148	4,929	8,846	10,050	10,841	249,85
6,686	9,266	8,402	7,131	10,251	10,086	10,736	249,9
6,507	9,722	7,798	8,409	9,963	10,156	10,771	249,95
6,185	11,088	7,513	12,245	9,711	10,192	10,736	250
6,650	10,422	7,726	10,505	8,341	10,262	10,736	250,05
6,794	10,597	6,589	10,007	8,197	10,192	10,876	250,1
5,971	11,228	7,584	9,262	8,990	10,333	10,912	250,15
6,293	10,948	8,650	8,800	9,134	10,333	10,947	250,2
6,615	11,053	8,011	7,948	8,485	10,368	10,947	250,25
6,257	10,212	7,726	6,172	8,882	10,474	11,017	250,3
6,650	9,932	7,549	5,462	7,873	10,474	11,052	250,35
6,722	11,368	7,584	4,503	7,620	10,262	11,052	250,4
6,615	10,597	6,483	5,462	7,981	10,262	11,017	250,45
6,579	10,317	8,082	4,325	8,521	10,262	11,017	250,5
6,436	9,967	10,960	4,538	7,620	10,121	11,052	250,55
6,328	10,878	10,427	4,680	5,855	10,121	11,087	250,6
6,579	11,053	8,935	3,366	5,999	10,262	11,193	250,65
6,150	10,177	8,473	3,864	7,080	10,474	11,193	250,7
6,615	10,247	8,117	4,219	8,053	10,192	11,228	250,75
6,615	9,547	7,229	6,314	8,233	10,403	11,228	250,8
6,114	10,037	7,158	6,492	7,945	10,439	11,228	250,85
6,543	11,053	7,513	3,828	7,765	10,509	11,263	250,9
6,507	11,438	8,153	5,710	7,692	10,615	11,369	250,95
7,187	11,718	9,077	4,929	7,945	10,756	11,439	251
6,579	11,823	11,316	4,574	7,837	10,721	11,509	251,05
6,758	11,088	10,072	5,142	8,954	10,509	11,509	251,1
7,044	11,263	10,072	5,639	10,684	10,333	11,474	251,15
6,865	10,247	8,935	5,320	5,782	10,262	11,369	251,2
6,722	10,247	8,260	5,994	8,738	10,262	11,263	251,25
6,472	10,667	9,503	4,858	8,810	10,403	11,193	251,3
6,579	10,983	9,574	7,202	9,458	10,580	11,228	251,35
6,722	9,266	8,722	9,048	9,927	10,686	11,333	251,4
6,507	8,741	8,757	7,344	10,648	10,721	11,509	251,45
6,150	10,597	8,366	8,480	10,323	10,686	11,650	251,5
7,151	9,476	8,366	8,090	10,936	10,615	11,755	251,55
7,115	11,088	8,366	6,776	11,116	10,439	11,720	251,6
7,080	12,104	7,691	7,166	9,602	10,227	11,615	251,65
6,364	10,527	8,153	7,486	9,530	10,333	11,474	251,7
6,829	10,107	7,975	8,267	9,566	10,333	11,333	251,75
7,080	9,266	7,940	7,806	8,990	10,121	11,228	251,8
7,294	9,862	5,807	7,628	9,350	10,474	11,298	251,85
6,937	10,527	5,772	6,527	9,711	10,791	11,298	251,9
6,937	10,247	5,985	6,420	9,206	10,121	11,369	251,95
7,008	9,336	7,442	8,835	8,665	10,474	11,439	252
6,579	9,406	6,802	6,598	9,242	10,403	11,579	252,05
6,579	9,056	6,731	6,705	8,882	10,368	11,685	252,1
6,686	10,422	6,127	6,314	9,242	10,262	11,685	252,15
6,436	10,282	6,696	5,604	8,557	10,297	11,720	252,2
6,615	10,983	9,717	5,355	10,035	10,192	11,650	252,25
7,473	10,002	9,397	4,893	10,143	10,050	11,474	252,3
6,650	9,652	8,864	4,041	9,026	9,839	11,369	252,35
6,686	9,161	7,869	3,722	8,846	9,909	11,228	252,4
6,722	8,671	8,153	2,976	9,386	9,874	11,298	252,45

6,436	7,585	8,579	7,202	10,179	9,909	11,439	252,5
6,794	8,986	8,793	8,125	9,530	9,662	11,544	252,55
6,472	9,617	9,183	7,806	8,377	9,592	11,579	252,6
7,151	11,473	8,864	6,847	8,305	10,262	11,720	252,65
7,044	10,597	7,798	6,669	8,593	10,580	11,790	252,7
7,294	10,072	7,798	6,492	8,197	9,909	11,861	252,75
7,724	9,371	6,767	6,918	8,017	9,980	11,931	252,8
7,437	9,652	6,625	7,166	8,197	9,521	11,790	252,85
7,795	10,037	7,549	6,776	8,377	9,521	11,615	252,9
7,080	9,827	7,335	7,948	8,810	9,556	11,439	252,95
6,794	10,808	8,899	6,740	8,341	9,168	11,404	253
6,185	10,527	8,650	6,918	8,774	8,392	11,439	253,05
7,294	11,228	8,117	6,740	9,242	8,886	11,509	253,1
6,722	11,683	8,828	4,432	10,179	9,063	11,579	253,15
6,722	11,858	7,833	6,314	9,350	9,698	11,720	253,2
6,972	11,648	8,117	6,492	8,089	9,662	11,720	253,25
6,436	9,967	8,295	4,822	6,647	9,204	11,861	253,3
6,650	10,247	7,122	5,036	7,368	10,156	11,861	253,35
6,865	9,511	7,478	4,432	7,548	10,721	11,650	253,4
7,223	10,667	8,793	5,817	7,620	10,403	11,439	253,45
7,008	10,142	9,503	6,420	8,882	10,121	11,228	253,5
6,829	9,932	10,712	7,486	8,413	9,909	11,017	253,55
6,042	9,687	10,889	6,420	8,233	9,063	10,947	253,6
6,507	10,072	10,356	6,385	8,521	9,486	11,017	253,65
6,829	11,088	9,397	7,592	7,729	8,921	11,052	253,7
6,221	10,808	8,686	7,166	9,747	9,486	11,158	253,75
6,722	10,457	7,798	7,592	7,729	9,310	11,298	253,8
7,938	10,772	7,335	7,486	8,089	9,239	11,298	253,85
7,724	10,667	7,691	8,800	8,017	9,274	11,298	253,9
7,581	11,018	6,802	7,948	8,665	9,168	11,158	253,95
7,259	9,792	6,163	8,409	8,629	8,921	11,052	254
6,865	9,897	6,838	7,450	8,810	8,886	10,912	254,05
6,794	11,053	6,838	7,095	7,224	8,921	10,806	254,1
7,008	11,928	7,122	7,308	7,224	8,992	10,736	254,15
6,436	11,963	7,264	5,710	7,332	9,204	10,806	254,2
6,722	12,209	7,229	5,178	8,017	9,662	10,806	254,25
7,259	11,648	7,158	4,467	7,729	9,556	10,806	254,3
6,436	11,158	7,442	4,467	7,440	9,803	10,876	254,35
6,901	11,018	7,087	3,579	6,900	10,086	10,947	254,4
7,366	10,247	7,193	4,006	6,792	10,050	11,017	254,45
7,473	10,702	8,153	3,864	4,881	10,227	10,982	254,5
6,722	10,107	9,006	5,675	5,458	9,909	10,982	254,55
7,330	10,212	9,645	4,609	6,936	10,297	10,947	254,6
6,972	10,387	7,051	4,751	9,494	9,768	10,876	254,65
6,901	9,617	9,290	5,710	9,422	9,627	10,806	254,7
7,652	9,652	9,574	5,781	8,125	9,768	10,806	254,75
7,223	10,247	10,285	7,877	8,954	9,556	10,736	254,8
7,223	9,582	7,655	7,663	7,801	9,451	10,736	254,85
7,008	10,317	7,193	8,658	7,945	9,063	10,876	254,9
7,294	10,702	7,335	8,409	8,089	8,921	10,876	254,95
7,509	10,527	7,371	8,764	7,801	9,239	10,841	255
7,187	11,228	6,767	8,764	7,584	9,698	10,701	255,05
7,831	10,772	7,371	8,090	7,945	9,345	10,665	255,1
7,724	11,018	5,594	7,486	7,945	9,521	10,665	255,15
6,579	10,422	6,518	8,267	7,620	10,192	10,630	255,2

6,615	10,387	6,340	7,344	7,224	10,580	10,595	255,25
6,865	10,247	6,340	6,776	7,332	10,897	10,595	255,3
6,364	11,228	7,016	6,776	7,296	10,932	10,560	255,35
6,758	11,753	8,935	6,349	8,017	10,862	10,595	255,4
8,153	12,699	9,006	5,355	7,801	10,862	10,630	255,45
6,972	13,119	8,793	3,508	7,620	10,615	10,701	255,5
7,294	11,438	7,798	3,935	7,945	10,333	10,806	255,55
6,901	10,878	7,371	3,970	8,197	10,121	10,771	255,6
6,758	10,072	6,945	5,249	6,431	10,050	10,736	255,65
7,437	10,037	6,518	5,178	6,143	9,909	10,701	255,7
7,151	9,336	9,006	6,065	6,575	9,980	10,665	255,75
7,080	9,406	7,193	5,781	7,440	9,345	10,665	255,8
6,472	10,352	11,280	4,893	7,765	8,675	10,736	255,85
7,115	9,476	13,626	5,568	7,512	8,780	10,771	255,9
6,794	10,247	13,839	5,178	8,665	9,168	10,736	255,95
7,044	10,037	12,453	4,858	8,810	9,098	10,806	256
6,937	10,177	11,138	9,333	8,738	9,380	10,841	256,05
6,794	10,597	12,346	10,043	8,701	9,592	10,806	256,1
7,008	9,582	11,067	11,534	9,242	9,556	10,841	256,15
7,080	10,247	9,788	10,327	8,701	9,486	10,876	256,2
7,223	9,476	8,011	12,777	8,485	9,204	10,912	256,25
7,330	10,387	7,087	12,600	8,377	9,556	10,876	256,3
7,187	10,002	8,011	11,357	7,656	9,380	10,806	256,35
7,151	9,827	8,011	10,469	7,801	9,592	10,736	256,4
7,724	9,757	7,407	10,078	7,620	9,627	10,771	256,45
7,616	11,018	6,660	12,671	7,801	10,050	10,771	256,5
6,794	12,419	6,447	9,297	8,089	9,909	10,806	256,55
6,400	11,578	6,518	7,948	8,377	10,050	10,841	256,6
7,044	11,368	5,594	8,019	6,035	10,403	10,841	256,65
7,724	11,368	5,203	6,811	7,260	9,980	10,876	256,7
7,867	10,772	4,955	7,806	7,224	9,803	10,912	256,75
7,616	11,088	5,985	5,888	7,080	9,980	11,017	256,8
6,937	10,527	8,188	6,136	7,224	9,945	11,158	256,85
7,187	9,792	9,965	4,858	6,359	9,980	11,087	256,9
6,758	10,037	9,930	4,751	8,161	9,627	10,912	256,95
6,650	11,263	9,432	6,065	7,729	9,627	10,876	257
6,865	11,228	8,650	5,426	7,188	9,909	10,736	257,05
6,758	12,769	8,402	5,178	6,575	10,227	10,736	257,1
7,330	12,909	8,260	6,705	8,485	10,015	10,736	257,15
6,937	12,559	7,655	5,355	8,017	9,874	10,701	257,2
7,902	11,753	8,508	5,497	8,233	9,486	10,841	257,25
7,795	10,702	7,087	6,527	7,548	9,486	11,052	257,3
8,010	10,492	6,340	7,273	8,449	9,768	11,228	257,35
7,724	9,617	6,483	7,273	9,350	10,015	11,298	257,4
7,330	9,091	8,722	7,912	10,071	10,156	11,193	257,45
7,151	8,706	11,351	6,776	10,828	9,733	11,087	257,5
7,259	9,056	12,346	5,923	10,900	9,345	10,947	257,55
7,080	10,072	13,484	6,349	10,648	8,921	10,876	257,6
7,652	10,072	10,818	5,710	10,179	8,921	10,701	257,65
7,294	11,263	9,503	6,669	9,566	9,345	10,595	257,7
7,151	11,648	9,255	8,480	9,458	9,063	10,595	257,75
7,259	10,702	9,290	9,190	9,458	8,780	10,806	257,8
6,650	10,457	9,077	10,540	9,458	8,921	11,052	257,85
6,722	10,632	6,838	9,936	8,701	9,098	11,158	257,9
6,650	11,053	5,878	9,546	8,233	8,675	11,122	257,95

7,008	12,524	4,919	9,155	9,314	8,780	10,947	258
7,044	12,909	5,310	7,735	9,314	9,133	10,736	258,05
8,010	12,839	8,650	7,166	8,810	8,921	10,630	258,1
7,938	12,314	8,686	5,994	8,665	9,204	10,665	258,15
7,867	11,753	7,016	5,284	8,954	8,816	10,736	258,2
7,616	10,597	5,203	6,669	10,251	8,957	10,876	258,25
7,437	11,088	4,741	5,888	8,810	8,780	11,158	258,3
7,294	9,266	11,280	6,705	8,738	9,063	11,298	258,35
7,044	9,056	12,417	4,290	9,386	9,063	11,333	258,4
7,545	10,177	11,955	3,579	8,449	9,239	11,369	258,45
8,046	9,792	11,351	2,088	8,990	9,415	11,439	258,5
7,795	8,951	10,356	6,705	8,882	9,627	11,509	258,55
7,294	8,215	10,285	8,409	9,062	9,803	11,755	258,6
7,151	8,846	10,925	12,529	8,701	9,627	11,931	258,65
6,364	9,547	10,285	9,048	9,891	9,945	11,861	258,7
7,080	11,158	10,321	9,617	8,810	9,980	11,509	258,75
6,794	13,119	9,219	10,895	9,098	9,909	11,790	258,8
7,080	13,435	8,011	10,540	8,665	10,015	11,439	258,85
8,046	12,769	6,802	10,682	9,170	9,909	11,369	258,9
7,652	11,753	7,229	9,865	8,990	10,050	11,193	258,95
7,115	11,333	6,945	9,439	9,098	9,980	11,122	259
7,867	9,441	4,812	7,983	8,990	9,980	11,052	259,05
7,867	9,617	4,706	8,480	8,774	9,980	10,876	259,1
8,475	9,056	4,706	9,333	8,774	9,768	10,876	259,15
7,509	8,811	5,985	6,207	8,377	9,662	11,052	259,2
7,187	8,671	7,655	5,710	8,485	9,486	11,263	259,25
6,543	9,161	9,823	5,391	8,449	9,768	11,122	259,3
6,758	8,951	12,631	5,213	8,089	10,050	11,017	259,35
7,223	10,212	11,067	4,041	8,557	10,050	10,876	259,4
7,259	11,998	9,326	4,183	8,738	9,874	10,736	259,45
6,758	12,174	8,899	6,420	9,530	9,980	10,665	259,5
7,652	10,527	8,366	7,344	10,071	9,803	10,595	259,55
6,829	11,123	7,016	7,344	9,170	9,733	10,314	259,6
7,473	10,317	6,802	8,480	9,855	9,909	10,384	259,65
8,010	9,617	8,082	8,267	8,954	9,874	10,419	259,7
8,153	10,247	7,513	7,024	8,125	9,980	10,525	259,75
8,511	10,142	8,864	5,710	7,837	9,980	10,560	259,8
8,081	9,511	9,788	5,142	9,098	10,156	10,630	259,85
7,330	9,476	10,036	4,574	8,882	10,262	10,736	259,9
7,044	8,566	9,326	5,391	8,701	9,627	10,665	259,95
7,008	8,846	9,077	4,893	8,161	9,521	10,349	260
6,472	9,196	8,544	4,858	8,413	9,345	10,314	260,05
6,722	11,648	7,691	6,563	7,656	9,380	10,314	260,1
6,579	11,928	6,198	7,806	7,512	9,133	10,454	260,15
7,151	12,629	4,883	7,735	7,440	9,133	10,384	260,2
6,972	12,804	6,376	8,019	7,476	9,063	10,454	260,25
7,259	12,699	7,798	7,415	8,305	9,204	10,454	260,3
7,616	11,018	7,229	6,847	8,161	9,839	10,560	260,35
7,008	10,492	4,706	5,639	8,846	10,050	10,771	260,4
8,081	10,037	5,132	4,503	8,305	9,310	10,876	260,45
7,688	9,792	9,077	5,320	8,161	9,627	10,876	260,5
7,867	9,792	11,564	5,355	7,548	9,768	10,876	260,55
7,437	8,706	8,864	3,295	8,449	9,698	10,841	260,6
7,259	8,391	7,940	2,621	8,161	9,698	10,982	260,65
7,080	7,865	11,955	2,159	7,476	9,556	11,017	260,7

7,008	8,881	12,133	6,456	6,864	9,415	11,087	260,75
6,937	8,986	9,717	7,877	6,936	9,627	10,982	260,8
6,972	11,298	9,788	8,800	6,647	9,768	11,087	260,85
6,937	11,823	10,498	8,125	7,044	9,768	11,193	260,9
6,794	11,788	8,935	9,581	7,873	10,121	11,298	260,95
7,223	11,928	8,722	11,357	7,729	10,262	11,298	261
7,902	11,998	7,869	11,463	8,377	10,403	11,298	261,05
7,652	11,683	4,955	11,321	7,296	10,262	11,263	261,1
7,509	10,597	5,878	9,617	6,611	10,227	11,369	261,15
7,509	10,492	4,635	6,420	7,548	10,086	11,158	261,2
7,330	9,476	6,731	7,770	7,765	9,909	11,087	261,25
7,330	9,196	6,980	7,983	7,404	9,803	10,947	261,3
6,937	9,582	7,620	6,776	8,089	9,803	10,947	261,35
7,509	10,282	7,655	6,065	8,701	9,768	10,947	261,4
6,829	8,601	10,712	5,959	8,557	9,980	10,876	261,45
6,758	10,352	7,513	5,497	9,422	9,909	10,876	261,5
7,437	11,018	7,549	4,219	9,530	9,909	10,982	261,55
7,223	12,174	8,082	5,817	8,954	9,945	11,052	261,6
7,437	12,209	8,402	6,030	9,386	9,839	11,122	261,65
7,115	11,998	7,264	8,161	9,386	9,380	11,158	261,7
7,724	11,438	6,767	6,065	9,927	9,909	11,087	261,75
7,545	10,247	5,665	6,278	9,819	10,121	11,087	261,8
7,044	9,827	6,127	5,888	9,530	10,121	11,087	261,85
7,151	10,527	7,798	5,959	8,810	10,192	11,087	261,9
6,579	9,897	10,178	4,112	8,954	9,521	11,087	261,95
6,794	10,843	11,280	2,372	8,377	9,451	11,158	262
6,293	11,053	10,498	2,834	7,692	9,415	11,158	262,05
7,044	10,527	11,387	3,579	8,089	9,592	11,158	262,1
7,259	10,317	10,214	4,929	7,981	9,698	11,122	262,15
6,972	10,142	9,752	8,480	7,945	9,803	11,158	262,2
7,294	9,757	9,255	9,262	10,323	9,027	11,158	262,25
6,937	9,652	8,650	8,764	9,422	9,486	11,228	262,3
6,829	9,862	8,793	8,303	9,819	9,556	11,333	262,35
7,294	10,632	9,610	7,841	9,170	9,627	11,439	262,4
7,008	11,928	9,255	7,699	9,963	9,733	11,439	262,45
7,223	11,718	8,224	6,705	10,612	9,627	11,439	262,5
7,223	10,983	7,655	6,207	9,602	9,698	11,404	262,55
7,151	10,527	8,793	5,568	9,602	9,733	11,228	262,6
7,223	10,352	6,021	5,923	9,134	9,662	11,122	262,65
6,901	10,667	6,269	7,735	8,377	9,451	11,087	262,7
7,223	11,228	6,163	7,202	8,377	9,098	11,052	262,75
7,151	9,932	6,873	7,877	7,224	9,027	11,052	262,8
6,758	11,193	8,828	7,344	6,792	9,168	10,982	262,85
6,758	10,702	8,082	8,267	5,566	9,345	11,052	262,9
7,223	11,088	7,584	7,131	6,323	9,345	11,298	262,95
7,473	11,228	8,046	6,527	7,837	9,310	11,404	263
6,972	11,158	7,975	6,065	8,557	9,380	11,439	263,05
7,259	10,527	8,260	5,213	8,521	9,415	11,298	263,1
7,688	9,792	8,437	5,923	7,801	9,627	11,474	263,15
6,865	9,722	9,006	5,994	8,701	9,768	11,333	263,2
6,937	11,088	9,468	4,290	8,089	9,662	11,263	263,25
7,080	11,788	9,290	5,036	8,053	9,698	10,876	263,3
6,722	10,948	9,752	4,787	8,377	9,521	10,701	263,35
6,937	10,037	9,183	5,355	8,197	9,627	10,841	263,4
7,509	9,547	9,255	5,923	7,909	9,345	10,806	263,45

6,472	8,671	9,290	6,527	7,224	9,627	11,017	263,5
7,151	8,986	8,295	8,551	6,359	9,556	11,158	263,55
6,937	8,916	8,295	11,605	6,179	9,662	11,052	263,6
7,366	9,862	8,437	11,818	8,449	9,839	11,158	263,65
7,831	10,457	8,686	10,966	8,341	9,733	11,193	263,7
7,616	10,352	8,650	10,647	8,161	9,839	11,158	263,75
7,581	10,878	7,229	11,073	8,233	9,803	11,369	263,8
7,724	11,053	7,087	9,617	8,125	9,521	11,193	263,85
7,366	11,368	6,305	8,125	7,476	9,380	11,158	263,9
7,688	10,597	6,447	7,628	6,864	9,345	10,912	263,95
6,364	9,897	6,945	7,628	7,224	9,133	10,841	264
6,114	10,457	7,513	5,781	8,089	9,274	10,701	264,05
6,221	11,648	8,011	5,959	7,296	9,310	10,876	264,1
6,150	10,667	7,655	5,497	7,152	9,733	10,912	264,15
6,686	12,769	8,615	5,746	6,792	9,698	11,122	264,2
6,436	11,928	9,397	6,492	7,224	9,627	11,228	264,25
6,901	12,104	8,970	5,071	7,512	9,662	11,228	264,3
6,865	12,069	8,011	6,243	7,873	9,592	11,158	264,35
7,509	11,298	7,762	4,503	8,449	9,627	11,087	264,4
7,151	10,913	7,940	7,557	9,170	9,486	10,982	264,45
7,080	10,002	8,579	7,060	7,548	9,627	10,982	264,5
8,010	9,617	7,442	7,592	8,197	9,486	10,947	264,55
6,937	9,126	9,574	6,492	9,350	9,133	10,947	264,6
7,581	9,476	10,783	6,953	8,449	9,239	10,982	264,65
6,507	9,406	11,778	3,864	8,413	8,992	11,052	264,7
6,436	9,897	12,417	5,568	9,422	9,168	11,087	264,75
6,400	9,301	11,600	6,847	8,089	9,345	11,122	264,8
6,114	9,617	10,818	10,753	7,729	9,451	11,017	264,85
6,722	10,562	10,960	10,149	7,909	9,768	11,017	264,9
6,579	11,508	10,783	9,830	8,125	10,262	10,947	264,95
6,722	11,648	9,041	9,404	8,701	10,439	10,947	265
7,366	10,107	7,655	10,576	8,882	10,262	11,017	265,05
6,937	9,161	7,016	10,753	8,269	10,439	11,122	265,1
7,473	9,406	6,340	11,392	7,188	10,544	11,263	265,15
7,294	10,072	6,412	11,037	7,584	10,050	11,333	265,2
6,758	11,928	7,229	11,037	8,629	9,803	11,228	265,25
6,758	11,088	8,650	10,007	7,909	9,486	11,263	265,3
7,294	12,384	7,869	8,977	8,449	8,992	11,087	265,35
6,937	11,823	6,483	7,663	8,089	8,639	10,947	265,4
6,901	12,279	6,696	7,806	8,377	8,569	10,806	265,45
6,328	12,559	5,807	9,262	8,954	9,133	10,806	265,5
6,650	11,928	6,660	7,095	8,017	9,521	10,701	265,55
7,044	10,352	7,016	6,492	6,395	9,556	10,841	265,6
6,042	9,967	7,513	5,746	8,125	9,909	10,490	265,65
6,007	9,862	9,006	4,112	8,377	9,874	10,560	265,7
7,008	10,597	9,148	3,651	8,233	9,839	10,736	265,75
5,935	10,422	9,539	4,183	8,161	9,627	10,876	265,8
6,937	9,582	10,427	2,550	7,584	9,204	10,982	265,85
6,758	9,406	11,351	3,793	7,584	9,133	11,087	265,9
6,221	9,476	10,356	6,030	8,197	9,063	10,982	265,95
6,507	10,002	10,250	6,207	7,801	9,168	10,841	266
6,901	10,527	8,935	7,273	7,404	9,486	10,630	266,05
5,935	11,928	9,326	9,333	8,089	9,733	10,525	266,1
6,794	11,088	8,899	8,480	7,801	9,980	10,490	266,15
6,221	10,808	7,904	9,048	7,260	9,945	10,595	266,2

6,114	10,597	7,264	8,551	8,449	10,050	10,736	266,25
6,972	10,387	6,802	7,273	8,954	10,192	10,771	266,3
5,828	10,212	6,056	5,959	8,341	10,403	10,806	266,35
6,293	10,212	6,980	6,101	7,945	9,945	10,982	266,4
6,221	10,037	8,295	6,989	8,089	9,521	10,876	266,45
6,722	10,667	8,473	7,841	9,134	8,992	10,806	266,5
6,436	11,648	7,904	8,835	9,855	8,710	10,630	266,55
6,686	11,228	7,335	8,054	8,449	8,533	10,454	266,6
7,008	11,578	8,508	6,172	7,692	8,428	10,349	266,65
6,543	10,913	8,757	5,852	7,080	8,569	10,384	266,7
6,150	11,228	8,260	5,959	6,792	8,886	10,349	266,75
6,400	10,282	8,757	5,107	6,864	8,639	10,384	266,8
6,436	10,247	7,798	4,822	7,368	9,521	10,595	266,85
6,364	10,422	8,899	6,278	8,341	9,451	10,806	266,9
7,402	11,263	9,468	5,639	7,152	9,168	10,912	266,95
6,543	11,263	9,752	5,320	7,512	9,063	10,982	267
7,509	10,913	9,752	4,148	7,080	9,063	10,806	267,05
6,865	10,212	10,001	3,508	7,909	9,027	10,595	267,1
7,008	10,632	9,752	5,142	7,548	9,098	10,454	267,15
6,364	9,126	9,539	7,166	7,692	9,415	10,454	267,2
6,400	9,476	8,935	6,314	7,873	9,451	10,525	267,25
6,221	11,088	9,468	6,776	10,936	9,768	10,630	267,3
6,507	11,753	8,899	5,604	10,612	9,698	10,876	267,35
6,722	11,718	10,072	9,262	10,756	9,839	11,052	267,4
6,400	11,333	11,245	9,190	9,566	9,803	11,193	267,45
6,865	10,247	11,245	8,551	10,179	10,050	11,158	267,5
6,901	9,371	10,392	8,303	10,576	10,086	11,087	267,55
6,150	8,986	10,356	6,811	8,557	10,192	11,017	267,6
6,650	8,881	8,579	7,237	7,332	10,439	11,052	267,65
6,257	8,005	7,798	9,865	7,080	9,133	11,052	267,7
6,901	8,321	8,082	12,671	6,864	10,474	11,087	267,75
7,581	8,916	8,686	11,605	7,044	10,686	10,912	267,8
6,972	9,757	9,574	10,647	7,152	9,768	10,525	267,85
6,794	10,772	8,686	10,185	7,945	9,909	10,490	267,9
7,187	12,279	9,006	8,800	8,305	10,156	10,595	267,95
6,436	10,878	8,650	9,013	7,981	10,686	10,630	268
6,507	10,597	7,798	8,445	7,512	10,721	10,736	268,05
6,293	10,737	7,016	9,936	7,981	10,403	10,454	268,1
6,472	10,177	7,016	10,256	7,765	9,556	10,103	268,15
6,436	10,808	5,630	9,938	8,233	9,909	10,068	268,2
6,078	9,932	6,163	9,190	8,161	9,980	10,841	268,25
6,293	10,808	6,696	9,013	7,548	10,227	11,122	268,3
6,472	10,632	7,158	8,054	8,017	10,121	11,228	268,35
7,008	10,667	6,838	7,202	7,945	10,156	11,193	268,4
7,366	10,667	6,802	6,492	7,692	10,439	11,158	268,45
7,473	9,757	7,335	7,770	7,656	10,827	11,158	268,5
7,223	9,827	6,731	8,338	7,368	10,439	11,087	268,55
7,437	9,967	5,452	7,344	7,512	10,544	11,017	268,6
6,829	9,547	5,807	6,669	8,305	10,262	10,806	268,65
6,543	10,808	7,016	7,770	7,837	9,521	10,595	268,7
6,114	10,913	9,361	6,776	7,368	9,415	10,384	268,75
6,078	11,158	10,072	5,178	7,368	9,556	10,103	268,8
6,400	12,209	8,117	5,320	7,224	10,050	10,314	268,85
6,972	13,330	7,655	5,178	7,440	9,874	10,173	268,9
6,722	14,451	7,193	5,675	7,692	9,451	10,173	268,95

6,436	13,960	6,767	6,989	6,864	9,204	10,173	269
6,722	11,473	5,843	7,877	5,891	9,027	10,208	269,05
6,436	10,177	4,955	7,202	7,837	9,345	10,314	269,1
7,366	10,808	5,274	6,349	11,224	9,133	10,314	269,15
7,080	10,983	6,127	5,994	8,521	9,451	10,314	269,2
6,794	10,667	9,219	6,563	8,629	9,698	10,490	269,25
7,044	9,967	11,209	4,361	8,161	9,698	10,736	269,3
6,758	9,897	12,773	2,408	8,593	9,909	10,876	269,35
6,937	9,301	12,915	3,722	8,377	10,827	10,876	269,4
7,330	9,056	11,778	5,710	8,449	10,580	10,876	269,45
6,722	9,371	10,250	5,142	9,026	10,721	10,876	269,5
7,008	9,266	10,498	8,622	8,701	10,650	11,017	269,55
6,758	9,967	9,503	7,379	8,161	10,297	11,087	269,6
6,650	10,843	7,975	7,415	8,197	10,262	11,087	269,65
7,008	11,823	8,615	8,480	8,125	10,121	11,087	269,7
6,865	10,808	7,726	11,676	8,557	10,086	11,052	269,75
7,437	11,298	7,087	11,676	8,161	9,909	11,052	269,8
7,294	10,387	5,736	8,480	8,413	9,627	10,982	269,85
7,008	10,247	6,092	8,977	8,089	10,227	10,912	269,9
7,724	11,788	7,300	7,557	7,584	10,544	10,876	269,95
7,509	12,279	7,407	6,776	6,756	10,403	10,982	270
7,223	13,260	8,224	5,426	6,719	10,050	11,087	270,05
7,867	12,314	7,904	6,349	7,296	10,192	11,228	270,1
7,151	11,508	6,945	5,746	7,296	10,333	11,333	270,15
7,044	10,878	5,950	5,746	8,557	10,650	11,369	270,2
6,722	11,508	4,635	5,994	8,125	10,827	11,439	270,25
8,332	10,808	11,635	6,420	8,557	10,686	11,439	270,3
7,008	12,384	9,574	5,604	8,377	10,827	11,369	270,35
6,972	11,788	11,031	5,284	8,089	10,403	11,298	270,4
6,615	10,808	11,173	6,101	9,278	10,086	11,158	270,45
7,473	9,547	9,290	6,030	8,485	9,345	11,158	270,5
7,151	9,932	10,214	7,486	7,873	8,921	11,122	270,55
6,758	10,002	7,975	4,609	8,197	9,133	11,298	270,6
7,294	11,193	7,869	7,060	8,341	8,710	11,439	270,65
7,473	8,566	9,006	7,663	8,521	9,063	11,439	270,7
7,724	8,986	10,001	7,379	8,810	9,063	11,509	270,75
7,330	9,827	10,214	6,563	8,954	8,110	11,615	270,8
7,437	8,986	8,437	6,420	9,242	9,380	11,615	270,85
7,652	8,250	9,610	6,527	9,098	9,980	11,439	270,9
7,330	10,597	10,285	7,912	9,819	9,556	11,158	270,95
7,688	11,858	8,366	8,409	9,062	9,733	11,087	271
7,616	13,785	7,513	10,966	8,521	10,121	10,982	271,05
6,972	13,995	7,300	9,510	8,089	10,262	11,017	271,1
7,259	11,893	5,914	8,800	8,089	10,227	11,158	271,15
6,972	10,878	4,741	7,557	7,512	9,698	11,298	271,2
6,972	11,368	2,218	7,131	8,089	9,556	11,439	271,25
7,330	11,263	2,680	7,131	6,936	9,345	11,579	271,3
7,581	10,072	4,635	5,781	7,440	9,310	11,509	271,35
7,616	11,193	8,295	5,071	7,945	9,380	11,439	271,4
7,187	11,263	11,209	3,864	7,044	9,733	11,158	271,45
6,829	10,002	10,712	3,899	7,332	9,980	11,087	271,5
7,437	9,827	8,828	3,508	8,017	10,262	11,087	271,55
6,615	10,948	8,046	3,757	7,224	10,227	11,087	271,6
7,151	11,298	7,869	5,391	7,837	10,121	11,087	271,65
7,831	12,314	8,579	6,349	8,377	10,192	11,052	271,7

7,581	12,209	8,117	6,420	8,233	10,192	11,052	271,75
7,581	11,998	7,726	5,426	6,972	10,192	11,122	271,8
6,829	11,123	7,584	3,864	6,828	10,333	11,298	271,85
7,473	10,177	6,269	5,533	7,729	10,509	11,193	271,9
7,223	10,282	6,589	6,492	7,440	10,615	11,017	271,95
8,117	10,457	6,945	6,136	7,476	10,544	10,876	272
7,616	10,002	7,904	5,213	7,368	10,262	10,806	272,05
7,294	10,212	8,508	5,284	8,990	10,050	10,841	272,1
7,294	10,527	10,925	5,426	8,738	10,156	10,595	272,15
7,294	10,597	10,285	5,320	8,810	10,192	10,982	272,2
8,010	10,352	7,762	6,563	8,377	10,156	10,841	272,25
7,223	11,088	8,970	6,314	9,675	9,874	10,665	272,3
7,294	9,932	8,650	6,953	9,711	9,592	10,595	272,35
7,294	10,142	8,793	8,906	9,891	9,627	9,787	272,4
7,294	10,037	7,158	9,723	10,359	9,980	10,912	272,45
6,972	9,687	7,975	8,196	9,711	9,874	11,158	272,5
7,294	9,827	7,655	6,989	9,386	9,839	11,263	272,55
7,187	10,247	8,082	7,557	9,026	9,909	11,087	272,6
7,294	10,107	7,869	6,030	8,557	10,050	10,736	272,65
7,044	10,142	7,726	6,598	8,485	10,121	10,665	272,7
6,972	10,948	7,442	6,527	7,801	9,909	10,595	272,75
6,937	11,298	8,260	6,811	8,161	9,909	10,665	272,8
6,865	12,839	6,945	8,090	9,134	9,803	10,876	272,85
6,829	12,384	7,940	8,800	10,467	9,909	10,490	272,9
6,829	12,139	7,300	7,912	8,485	10,192	10,595	272,95
6,758	11,158	7,264	8,374	8,017	10,439	10,876	273
7,330	11,018	7,229	7,521	6,287	9,980	10,947	273,05
7,437	11,893	7,051	7,699	5,638	9,204	11,087	273,1
7,437	10,597	8,828	6,065	5,963	8,780	11,158	273,15
7,151	10,492	9,823	6,172	5,098	9,239	11,228	273,2
6,829	9,266	10,534	5,923	6,431	9,627	11,228	273,25
7,115	9,406	10,640	5,320	7,584	9,627	11,228	273,3
7,080	9,371	11,067	5,639	8,629	9,556	11,263	273,35
6,829	10,387	11,351	5,107	8,846	9,839	11,298	273,4
6,436	9,897	11,209	6,882	9,422	10,580	11,298	273,45
6,615	9,827	10,001	7,983	9,170	11,532	11,228	273,5
6,722	9,582	9,432	7,486	10,792	10,862	11,369	273,55
7,330	10,072	9,112	8,835	9,963	10,932	11,509	273,6
7,581	9,476	7,478	9,013	10,179	10,791	11,579	273,65
7,330	10,808	7,229	9,794	10,143	10,544	11,615	273,7
7,044	10,667	7,016	9,901	10,612	10,686	11,615	273,75
7,187	10,597	6,873	8,658	9,819	10,544	11,544	273,8
6,794	11,368	7,016	8,445	8,774	10,791	11,509	273,85
6,722	11,858	6,945	8,267	9,098	10,403	11,439	273,9
7,330	13,084	6,483	6,349	8,954	9,909	11,298	273,95
7,581	13,260	7,407	7,237	9,242	9,945	11,158	274
6,722	13,400	6,554	6,278	9,206	9,768	11,087	274,05
5,828	12,839	5,239	5,923	11,008	9,803	11,439	274,1
6,293	11,788	4,812	5,284	11,116	9,980	11,544	274,15
6,758	11,438	3,995	5,355	14,251	10,086	11,579	274,2
6,650	10,948	8,402	4,361	9,675	10,156	11,720	274,25
6,650	8,601	9,930	4,503	10,323	10,086	11,544	274,3
6,972	9,652	12,133	3,970	9,530	10,050	11,509	274,35
7,044	9,441	14,265	3,047	9,242	9,803	11,544	274,4
7,366	9,757	14,727	3,473	9,675	9,768	11,579	274,45

7,616	8,986	13,981	6,918	9,494	9,662	11,158	274,5
7,616	9,371	12,488	8,232	10,143	9,627	11,228	274,55
7,259	9,792	11,138	10,433	10,684	9,627	11,158	274,6
7,294	10,948	10,214	10,931	10,503	9,133	11,122	274,65
6,579	11,578	9,503	10,895	10,431	8,886	11,122	274,7
6,615	10,527	10,072	11,925	10,467	9,274	11,298	274,75
6,972	11,368	9,894	11,889	10,035	9,486	11,439	274,8
7,795	11,578	8,793	12,351	9,314	9,839	11,579	274,85
6,794	11,438	8,153	11,889	8,882	9,768	11,579	274,9
7,294	11,158	7,513	10,611	9,783	9,909	11,509	274,95
7,187	10,632	6,518	10,753	9,314	9,839	11,439	275
7,080	10,352	5,452	11,960	9,458	9,098	11,298	275,05
6,937	11,193	5,381	10,398	9,999	8,357	11,158	275,1
6,829	11,508	5,310	10,540	8,918	8,533	11,228	275,15
7,330	13,750	5,203	8,906	7,729	8,675	11,298	275,2
7,366	13,715	5,274	8,551	8,954	8,921	11,193	275,25
7,330	13,190	5,807	8,658	7,260	9,063	11,158	275,3
7,008	12,349	6,483	8,196	7,729	9,345	11,158	275,35
7,151	11,648	5,736	7,237	8,233	9,204	11,439	275,4
7,581	10,983	6,376	6,847	8,233	9,063	11,509	275,45
7,437	11,018	10,392	5,994	9,206	9,521	11,509	275,5
7,115	10,737	10,498	5,142	9,675	9,168	11,439	275,55
6,758	9,687	10,996	2,656	8,089	9,380	11,333	275,6
6,686	10,142	11,351	4,645	7,440	9,274	11,087	275,65
6,615	9,827	10,569	3,473	8,125	9,415	10,876	275,7
6,901	11,753	9,930	3,473	7,873	9,133	10,806	275,75
6,436	11,648	9,290	6,349	7,512	9,556	10,876	275,8
6,937	10,527	8,473	6,136	7,152	9,451	11,087	275,85
7,330	10,597	8,402	7,344	7,801	9,415	11,228	275,9
7,008	10,702	7,940	8,587	9,386	9,980	11,509	275,95
7,473	11,228	8,082	8,764	9,530	9,627	11,544	276
7,616	10,667	8,579	8,480	9,711	9,839	11,579	276,05
8,010	10,142	9,717	7,699	9,170	10,015	11,474	276,1
7,509	10,913	9,752	7,699	9,747	10,333	11,369	276,15
7,402	10,387	9,752	5,852	9,819	10,192	11,263	276,2
6,937	10,737	10,107	5,533	10,323	10,262	11,263	276,25
6,507	9,792	10,285	4,929	10,107	9,839	11,439	276,3
6,615	9,687	11,067	5,320	10,684	9,521	11,615	276,35
6,364	11,403	10,356	5,923	9,530	9,839	11,790	276,4
6,758	11,963	9,610	8,906	8,521	9,874	11,861	276,45
7,831	11,648	9,788	8,551	6,936	9,839	11,931	276,5
7,724	10,142	9,752	9,013	7,404	9,909	11,896	276,55
7,115	9,582	8,366	9,013	7,620	10,050	11,790	276,6
7,259	9,652	8,224	8,622	8,882	9,980	11,650	276,65
7,688	10,317	8,224	8,338	10,107	9,909	11,579	276,7
7,294	10,597	8,402	7,415	9,530	10,156	11,439	276,75
7,509	11,018	9,219	7,912	9,314	10,156	11,228	276,8
7,294	10,667	10,285	8,054	9,314	10,121	11,087	276,85
7,509	10,317	9,645	7,877	8,810	10,333	11,017	276,9
7,867	10,142	9,432	7,557	9,098	10,439	11,158	276,95
8,081	10,527	7,798	7,060	8,954	10,297	11,333	277
7,759	10,667	8,650	5,604	8,341	10,262	11,439	277,05
7,867	11,088	7,655	4,219	8,017	10,403	11,579	277,1
7,115	11,263	6,589	7,131	7,440	10,403	11,509	277,15
7,044	11,788	5,878	7,486	7,080	10,262	11,228	277,2

7,294	12,384	6,412	6,101	7,548	10,192	10,876	277,25
7,294	11,858	6,127	6,492	8,341	10,227	10,736	277,3
7,115	12,419	7,300	6,065	8,954	10,192	10,454	277,35
7,437	11,298	8,295	5,355	6,647	10,721	10,349	277,4
6,937	11,053	8,224	5,071	7,440	10,615	10,384	277,45
7,187	10,597	9,041	3,366	5,494	10,791	10,454	277,5
7,330	10,037	9,788	4,503	6,503	10,791	10,595	277,55
8,046	9,687	9,645	5,426	8,954	10,403	10,876	277,6
8,010	9,932	9,859	3,544	8,089	10,439	10,982	277,65
7,938	10,107	10,072	4,929	8,882	10,439	11,052	277,7
7,724	9,476	10,640	7,948	8,774	9,733	11,017	277,75
7,473	9,652	10,392	8,374	8,449	9,662	10,876	277,8
6,829	11,088	9,503	9,048	9,206	9,839	10,701	277,85
6,221	11,823	9,077	9,404	9,566	9,768	10,419	277,9
6,293	11,578	8,473	9,013	9,819	9,627	10,173	277,95
6,400	11,788	7,655	9,546	9,855	9,909	10,208	278
6,865	12,139	7,087	9,865	9,819	9,839	10,384	278,05
6,901	10,808	6,234	9,510	8,593	10,015	10,701	278,1
7,294	9,897	4,528	8,977	8,701	10,121	11,017	278,15
6,507	9,126	5,061	8,800	7,332	10,262	11,228	278,2
7,366	8,531	6,021	8,267	7,548	10,333	11,333	278,25
8,046	9,967	7,513	8,516	6,936	10,333	11,333	278,3
6,865	10,457	8,579	5,923	6,972	10,192	11,298	278,35
7,473	9,792	9,610	7,202	7,044	10,121	11,193	278,4
7,008	10,808	8,402	6,278	7,260	10,015	11,052	278,45
6,686	11,368	7,371	5,284	8,233	9,909	10,876	278,5
6,829	11,193	7,087	5,994	8,017	9,909	10,736	278,55
6,758	11,368	7,300	6,492	8,810	9,980	10,701	278,6
6,901	11,788	6,056	6,776	8,089	10,015	10,876	278,65
6,722	11,438	5,843	4,858	8,918	10,121	11,122	278,7
6,686	10,317	6,660	5,497	9,062	10,297	11,369	278,75
7,902	10,352	6,021	5,497	10,395	10,544	11,509	278,8
6,650	10,457	7,869	5,107	10,576	10,615	11,579	278,85
6,221	11,018	9,006	4,361	9,819	11,179	11,650	278,9
6,436	10,667	10,498	2,763	9,927	10,968	11,615	278,95
6,150	10,492	11,245	3,970	9,386	10,474	11,509	279
6,579	10,457	9,930	2,869	8,990	9,945	11,439	279,05
6,543	10,527	9,645	4,609	9,170	9,909	11,298	279,1
6,150	9,897	8,224	5,710	9,602	10,121	11,158	279,15
6,686	9,511	7,371	6,740	9,891	10,121	11,017	279,2
7,044	9,757	7,762	9,084	10,503	10,192	11,017	279,25
6,436	9,617	6,873	8,906	10,143	10,333	10,982	279,3
6,543	10,247	9,503	8,409	8,701	10,615	10,982	279,35
6,364	10,562	9,930	8,125	8,161	10,650	11,122	279,4
6,579	10,037	8,722	7,486	8,377	10,580	11,439	279,45
6,150	10,808	8,650	7,060	8,485	10,827	11,579	279,5
6,758	10,002	8,686	7,344	9,026	10,544	11,544	279,55
6,972	10,037	9,077	7,699	8,810	10,050	11,439	279,6
6,829	10,562	8,046	7,983	8,701	9,662	11,298	279,65
6,758	11,123	7,869	7,628	8,197	9,451	10,947	279,7
6,007	10,212	7,193	6,811	8,017	9,451	10,701	279,75
6,185	11,718	6,056	7,841	7,945	9,415	10,560	279,8
6,328	11,928	6,767	6,811	7,729	8,780	10,595	279,85
6,937	11,963	6,802	7,379	7,224	8,216	10,595	279,9
7,187	11,648	6,056	7,060	7,008	8,392	10,701	279,95

7,008	10,772	7,264	7,060	6,792	8,533	10,771	280
6,650	10,878	8,686	5,923	7,981	8,675	10,806	280,05
6,650	10,667	7,798	5,355	8,377	8,921	10,771	280,1
6,328	10,597	8,864	2,195	7,765	9,803	10,806	280,15
7,151	12,314	9,717	1,910	7,368	9,662	10,806	280,2
7,330	12,594	10,356	4,041	8,017	9,627	10,736	280,25
7,581	11,823	9,503	5,391	8,774	9,415	10,665	280,3
7,187	11,578	9,752	4,503	7,692	9,133	10,630	280,35
7,294	10,527	8,544	6,918	7,224	8,921	10,630	280,4
6,758	10,387	9,006	7,841	7,765	8,851	10,595	280,45
6,722	11,053	7,762	7,486	8,269	8,780	10,630	280,5
7,867	10,808	7,513	7,344	8,990	8,780	10,665	280,55
6,901	10,177	8,188	7,024	8,701	8,851	10,736	280,6
6,472	10,282	10,001	6,278	9,458	8,851	10,876	280,65
7,044	10,527	9,006	7,415	9,530	8,780	10,982	280,7
7,044	10,282	8,402	7,273	8,449	8,851	11,087	280,75
7,616	9,476	8,579	6,172	7,080	8,921	11,158	280,8
6,650	9,126	8,828	6,207	6,431	8,886	11,122	280,85
6,078	9,511	9,255	6,420	6,792	8,921	11,158	280,9
5,935	9,687	8,615	7,486	7,080	8,604	11,193	280,95
7,187	9,757	8,579	6,705	7,837	8,498	11,193	281
7,294	10,527	8,615	7,379	8,665	8,710	11,228	281,05
6,722	11,368	8,864	7,841	8,846	8,921	11,228	281,1
7,652	10,878	9,148	8,196	8,846	9,133	11,158	281,15
7,008	9,897	7,016	7,912	8,990	9,274	11,158	281,2
7,259	9,476	7,335	8,587	9,026	9,274	11,298	281,25
7,294	8,846	6,696	8,800	8,089	9,133	11,439	281,3
6,865	10,142	7,051	8,622	7,909	9,133	11,579	281,35
6,579	11,508	7,655	8,409	9,170	9,168	11,720	281,4
6,972	12,279	7,407	9,510	8,377	9,168	11,755	281,45
6,686	12,454	6,056	9,404	7,801	9,274	11,720	281,5
6,901	11,718	6,376	8,409	8,665	9,310	11,579	281,55
6,722	10,282	6,447	8,267	8,990	9,380	11,509	281,6
7,115	9,652	6,269	8,090	8,521	9,345	11,509	281,65
7,581	9,231	7,087	6,314	8,521	9,415	11,298	281,7
7,652	9,582	7,016	6,705	8,305	9,451	11,193	281,75
7,688	9,126	9,361	5,639	7,656	9,451	11,158	281,8
7,581	9,792	8,224	4,680	7,440	9,380	11,193	281,85
7,366	10,597	9,503	4,467	8,377	9,274	11,193	281,9
6,794	11,333	10,854	5,639	9,566	9,168	11,263	281,95
7,402	12,174	9,219	9,759	9,927	8,851	11,263	282
7,509	11,788	7,691	6,705	9,242	8,639	11,158	282,05
6,758	11,613	8,224	7,237	7,801	8,921	11,087	282,1
6,972	11,683	6,163	8,587	7,080	8,992	10,982	282,15
7,115	12,349	6,554	8,658	7,368	8,886	11,052	282,2
6,794	11,963	6,838	7,628	7,440	9,204	11,193	282,25
7,044	11,158	8,224	6,492	7,512	9,310	11,158	282,3
6,937	10,808	8,260	6,669	6,719	9,415	11,087	282,35
6,150	10,212	7,691	6,776	6,864	9,556	10,912	282,4
6,293	10,352	8,331	4,077	7,116	9,662	10,876	282,45
6,328	10,352	8,793	5,036	6,503	9,698	10,876	282,5
7,437	9,967	10,107	3,757	7,080	9,733	10,876	282,55
7,223	10,212	12,133	4,680	7,512	9,698	11,052	282,6
7,581	10,527	12,097	4,361	7,837	9,627	11,158	282,65
7,187	9,301	11,245	5,497	8,593	9,451	11,298	282,7

6,579	10,422	10,996	6,989	7,656	9,204	11,439	282,75
7,581	9,126	10,143	6,918	7,945	9,063	11,298	282,8
8,296	9,617	9,539	7,912	7,801	9,098	11,158	282,85
8,046	10,282	7,442	12,884	9,638	9,415	11,228	282,9
8,260	10,387	8,046	12,990	9,494	9,909	11,298	282,95
8,010	10,667	8,793	11,286	9,458	9,839	11,158	283
8,153	10,527	9,219	9,652	8,665	9,945	11,509	283,05
7,115	9,617	9,361	8,693	8,701	10,121	11,650	283,1
7,437	10,282	8,473	8,303	8,089	9,768	11,615	283,15
6,865	11,508	7,442	8,267	8,233	9,451	11,509	283,2
7,115	14,030	8,011	7,131	7,152	9,874	11,369	283,25
6,829	13,365	7,549	8,374	7,080	9,698	11,193	283,3
7,652	13,225	6,127	8,871	6,143	9,803	11,017	283,35
8,367	12,209	5,736	9,190	6,395	9,909	10,912	283,4
8,439	11,298	5,310	8,764	6,035	10,192	10,701	283,45
7,366	10,352	6,198	7,273	6,251	11,497	10,595	283,5
7,509	9,406	7,407	7,273	7,224	11,885	10,736	283,55
7,008	9,617	8,046	5,071	7,584	11,956	10,736	283,6
7,437	10,177	10,036	4,396	7,873	11,673	10,771	283,65
6,829	10,387	11,067	2,585	8,161	11,179	10,665	283,7
7,151	10,702	11,920	3,579	8,701	10,580	10,419	283,75
7,902	10,247	9,930	3,438	9,062	10,121	10,244	283,8
7,151	10,702	10,285	4,751	9,927	9,980	10,279	283,85
6,472	10,667	9,610	5,710	9,566	10,156	10,173	283,9
6,507	9,582	9,255	6,527	10,107	10,368	9,962	283,95
6,579	11,123	9,006	8,338	10,323	10,509	10,103	284
7,759	12,209	8,579	8,622	10,251	10,615	10,349	284,05
7,151	12,594	7,442	6,172	9,602	10,686	10,595	284,1
7,652	11,438	8,082	7,308	9,963	10,897	10,841	284,15
7,581	11,438	7,798	7,273	9,422	11,109	10,876	284,2
7,437	9,126	7,478	6,136	10,107	11,356	10,454	284,25
8,296	9,652	8,437	7,308	9,422	11,532	10,419	284,3
7,616	9,617	7,584	5,391	10,359	11,603	10,841	284,35
6,901	9,476	9,788	6,172	9,999	11,567	10,560	284,4
6,328	8,566	10,996	5,604	9,747	11,321	10,595	284,45
6,615	8,741	11,635	6,349	8,629	11,109	10,595	284,5
7,294	7,585	10,783	6,243	7,656	11,109	10,595	284,55
7,724	10,878	10,463	8,232	7,440	10,968	10,665	284,6
8,046	10,808	9,717	8,693	7,368	10,686	10,490	284,65
8,332	10,387	10,214	8,518	7,801	10,474	10,454	284,7
7,867	9,336	10,321	9,794	7,512	10,333	10,595	284,75
7,008	9,231	8,437	10,291	8,089	10,086	10,806	284,8
6,650	9,091	7,549	10,362	8,954	9,874	10,876	284,85
5,971	8,951	7,087	8,906	7,080	9,486	10,806	284,9
5,899	11,123	7,478	9,119	8,089	9,168	10,665	284,95
5,828	12,069	7,513	9,901	7,044	9,133	10,560	285
6,042	12,349	7,158	10,682	7,224	9,345	10,419	285,05
6,794	11,718	6,269	9,830	7,945	9,768	10,454	285,1
7,008	9,827	6,802	8,800	7,765	10,192	10,595	285,15
7,795	9,266	6,340	8,019	7,224	10,615	10,736	285,2
7,902	8,286	6,660	6,563	7,512	10,544	10,806	285,25
7,437	8,286	7,584	5,604	7,188	10,368	10,912	285,3
7,938	7,620	7,975	4,467	7,873	10,439	10,982	285,35
7,187	8,636	9,326	4,396	7,981	10,156	11,052	285,4
7,223	8,461	10,427	2,266	7,368	10,297	11,052	285,45

8,153	11,858	8,793	2,479	7,945	10,403	11,052	285,5
7,581	12,419	7,975	3,864	7,656	10,192	10,912	285,55
6,829	12,909	8,366	7,202	7,873	10,050	10,806	285,6
7,008	13,435	7,762	8,764	8,521	10,050	10,701	285,65
6,364	13,680	7,584	8,871	8,161	10,262	10,630	285,7
7,008	12,769	6,873	9,439	8,665	10,368	10,595	285,75
6,901	11,508	7,229	8,232	9,494	10,474	10,736	285,8
7,437	11,088	8,366	7,237	8,449	10,333	10,806	285,85
8,046	10,002	10,427	6,207	8,810	10,227	10,806	285,9
7,008	9,652	11,031	5,781	8,954	10,403	10,841	285,95
7,187	8,811	11,458	4,041	8,918	10,192	10,806	286
7,509	9,722	10,214	4,041	9,098	10,368	11,122	286,05
6,972	9,056	10,712	5,994	9,026	10,333	11,193	286,1
7,044	9,266	10,783	6,385	10,251	10,297	11,193	286,15
7,044	10,808	9,930	7,663	10,071	10,121	11,193	286,2
7,294	11,858	9,006	6,634	10,359	9,945	11,017	286,25
7,867	11,998	9,041	8,303	12,413	9,521	10,876	286,3
7,509	13,295	8,757	9,901	10,972	9,380	10,630	286,35
6,328	11,683	8,579	10,860	9,855	9,556	10,490	286,4
7,008	10,808	7,335	11,215	9,747	9,698	10,384	286,45
7,187	10,562	7,300	10,362	10,395	9,909	10,454	286,5
7,581	10,142	7,584	9,048	9,386	9,874	10,665	286,55
7,581	9,547	8,153	9,226	9,062	9,662	10,736	286,6
7,509	9,476	8,117	8,480	9,170	9,592	10,876	286,65
7,151	10,142	8,793	7,557	9,386	9,945	10,982	286,7
6,937	9,827	9,183	7,202	8,774	8,992	10,876	286,75
7,437	11,193	7,904	6,456	8,089	9,133	10,736	286,8
7,294	12,559	8,331	5,852	8,738	9,098	10,525	286,85
7,581	11,368	7,513	5,639	8,810	8,921	10,314	286,9
7,688	11,788	7,513	7,379	8,449	9,063	10,173	286,95
7,437	11,508	6,518	6,953	9,638	9,310	10,208	287
7,115	11,473	7,478	6,207	9,855	9,698	10,349	287,05
7,294	11,123	6,802	5,888	9,422	9,698	10,560	287,1
7,151	10,177	8,295	6,811	9,891	9,627	10,876	287,15
7,008	10,597	9,077	6,598	8,774	9,839	11,017	287,2
6,794	11,018	9,503	5,639	9,386	9,839	11,122	287,25
6,972	11,403	10,214	6,207	8,377	9,909	11,228	287,3
7,330	11,053	11,529	5,213	8,954	9,627	11,298	287,35
7,115	10,772	10,712	5,888	8,665	9,274	11,087	287,4
7,581	9,336	10,036	7,308	9,314	9,310	10,876	287,45
7,151	10,737	9,965	8,232	10,107	9,274	10,595	287,5
7,259	9,547	9,219	9,404	8,665	9,274	10,419	287,55
7,080	9,932	9,006	9,439	8,954	9,662	10,419	287,6
7,151	10,142	9,148	10,185	9,494	10,050	10,595	287,65
7,151	11,053	8,260	10,114	8,954	10,297	10,736	287,7
7,115	11,228	8,615	10,114	8,557	10,474	10,912	287,75
7,724	11,088	7,584	9,759	9,170	10,474	11,193	287,8
7,151	11,158	6,625	8,516	8,233	10,615	11,333	287,85
7,724	10,808	7,407	8,196	9,819	10,686	11,298	287,9
7,187	10,352	7,940	7,663	8,593	10,827	11,122	287,95
7,867	9,897	8,402	7,663	9,134	10,897	10,876	288
7,509	10,107	8,864	7,486	8,089	10,932	10,595	288,05
7,616	9,582	9,645	6,492	7,873	10,968	10,490	288,1
7,330	10,037	9,503	4,396	7,512	11,109	10,525	288,15
7,044	10,597	9,219	5,320	6,936	11,391	10,595	288,2

7,437	11,298	8,117	6,101	7,512	11,391	10,595	288,25
7,044	11,858	6,909	5,568	9,278	11,426	10,736	288,3
7,080	11,438	7,513	6,705	8,629	11,391	10,876	288,35
7,223	11,088	7,264	6,527	8,882	11,321	10,876	288,4
7,402	11,228	6,945	5,142	7,945	11,321	10,876	288,45
7,509	11,403	6,127	6,420	8,125	11,321	10,771	288,5
7,294	11,088	7,726	6,172	7,404	11,321	10,665	288,55
7,080	11,088	9,290	6,207	8,954	11,038	10,595	288,6
7,437	10,913	9,965	5,781	8,593	10,862	10,525	288,65
7,294	11,088	9,717	4,609	8,377	10,827	10,595	288,7
7,187	11,088	10,036	5,639	7,837	10,932	10,595	288,75
7,831	10,948	9,930	7,379	7,765	11,038	10,595	288,8
7,473	10,282	9,468	7,486	8,089	11,356	10,595	288,85
7,867	10,597	8,757	7,877	7,981	11,321	10,630	288,9
7,080	10,352	9,255	7,344	7,837	11,250	10,701	288,95
7,437	10,247	9,645	7,237	7,873	11,391	10,806	289
7,223	10,387	9,006	7,415	7,801	11,426	10,876	289,05
7,187	10,632	8,295	7,202	8,197	11,038	10,876	289,1
7,437	10,878	8,402	6,527	8,990	11,250	10,806	289,15
6,865	12,314	7,478	8,906	8,521	11,038	10,736	289,2
7,366	11,718	6,802	7,841	8,305	11,038	10,630	289,25
7,223	11,088	6,802	7,450	8,305	10,827	10,665	289,3
8,189	11,193	6,660	6,776	8,629	10,756	10,665	289,35
7,831	10,667	7,051	6,349	8,341	10,650	10,736	289,4
7,437	10,317	8,224	5,568	9,314	10,615	10,841	289,45
7,867	10,317	9,041	5,852	8,954	10,686	10,876	289,5
7,330	10,527	9,361	6,634	9,602	10,615	11,017	289,55
7,437	10,702	9,788	5,604	8,665	10,650	11,052	289,6
7,366	11,473	9,930	6,527	8,593	10,580	11,052	289,65
7,366	11,438	9,148	5,959	10,936	10,862	11,017	289,7
7,652	10,843	9,503	8,622	10,107	10,932	10,947	289,75
7,759	11,753	9,539	6,989	9,675	11,109	10,841	289,8
7,437	11,053	9,290	9,972	8,269	11,391	10,665	289,85
7,437	10,772	9,503	8,906	7,512	11,321	10,595	289,9
7,509	10,737	8,188	6,811	8,089	8,816	10,630	289,95
7,581	11,193	7,869	6,634	8,954	9,592	10,665	290
6,865	11,263	6,802	7,486	9,026	9,768	10,701	290,05
6,686	11,438	7,442	6,527	8,449	10,121	10,771	290,1
7,008	11,963	7,691	5,923	8,377	10,474	10,806	290,15
6,758	11,368	7,442	5,746	7,909	10,897	10,806	290,2
7,080	11,788	7,655	6,278	9,062	10,756	10,806	290,25
7,044	12,349	7,193	5,923	8,449	10,615	10,736	290,3
7,187	11,788	6,945	5,639	8,125	10,262	10,665	290,35
7,688	10,772	8,473	6,278	8,593	10,121	10,630	290,4
7,366	11,018	10,889	6,847	8,017	10,156	10,595	290,45
7,187	10,387	9,432	5,000	8,125	10,156	10,630	290,5
7,437	10,843	8,935	2,763	7,981	10,227	10,701	290,55
7,473	10,632	8,260	4,219	8,377	10,297	10,876	290,6
7,974	9,722	8,650	7,877	7,512	10,333	10,947	290,65
7,652	10,317	7,478	6,989	7,873	10,721	11,017	290,7
7,294	9,757	11,209	5,568	8,305	10,509	11,017	290,75
8,010	10,177	10,996	5,284	7,548	10,721	11,052	290,8
7,724	10,808	8,828	7,060	8,341	10,827	11,017	290,85
7,151	10,948	8,473	5,249	7,945	10,686	10,947	290,9
7,223	11,333	8,366	7,202	8,089	10,615	10,912	290,95

6,722	11,753	8,295	9,581	7,945	10,439	10,876	291
7,581	11,648	7,442	10,149	9,242	10,297	10,947	291,05
6,722	11,368	6,767	9,262	9,350	10,403	11,052	291,1
7,008	11,648	6,767	8,977	9,314	10,686	11,158	291,15
6,865	10,808	6,518	7,912	8,954	10,897	11,439	291,2
7,294	10,878	6,802	8,374	9,026	11,003	11,474	291,25
7,259	10,808	7,726	6,207	8,413	11,074	11,474	291,3
7,294	11,228	9,112	5,781	8,377	11,250	11,369	291,35
6,937	11,578	9,965	5,142	8,521	9,980	11,263	291,4
7,616	10,457	9,397	5,071	8,017	10,791	11,193	291,45
7,151	10,702	8,899	7,344	7,909	10,827	11,193	291,5
6,758	12,139	8,473	4,929	7,656	10,756	11,263	291,55
7,366	11,018	8,650	6,420	7,801	10,756	11,298	291,6
7,080	11,368	8,650	7,273	7,620	10,932	11,369	291,65
7,223	10,878	8,686	6,385	7,512	10,827	11,509	291,7
6,972	10,808	8,722	6,705	8,089	10,686	11,650	291,75
6,758	11,508	9,290	5,426	5,782	10,544	11,615	291,8
6,972	12,034	9,219	5,497	7,368	10,333	11,544	291,85
6,865	10,527	7,940	5,852	7,080	10,121	11,474	291,9
6,579	10,457	9,503	6,953	8,377	10,050	11,369	291,95
6,507	10,247	10,001	7,521	10,431	10,333	11,333	292
6,579	10,913	10,285	6,740	11,152	10,192	11,298	292,05
6,794	10,737	10,392	6,811	10,612	9,909	11,404	292,1
7,187	10,948	10,250	5,107	9,314	9,909	11,439	292,15
7,223	11,333	10,001	8,196	9,386	9,945	11,650	292,2
6,794	10,107	9,432	8,196	8,701	9,909	11,720	292,25
6,972	10,212	9,326	7,308	7,765	9,627	11,720	292,3
6,364	10,843	8,615	7,060	7,801	9,662	11,720	292,35
6,257	10,597	8,615	8,516	7,368	9,486	11,650	292,4
6,758	11,368	8,935	9,048	7,548	9,133	11,650	292,45
6,114	10,702	8,757	7,983	7,296	9,027	11,650	292,5
6,615	11,018	7,975	7,948	6,828	8,639	11,579	292,55
6,615	10,948	7,975	7,521	6,251	9,027	11,579	292,6
6,829	10,843	7,193	7,877	6,215	8,639	11,579	292,65
6,221	10,843	8,082	8,090	5,746	9,133	11,685	292,7
6,364	10,808	9,432	7,344	6,539	9,415	11,720	292,75
6,794	10,352	9,077	7,166	6,792	9,345	11,826	292,8
6,364	10,527	8,828	5,355	5,855	9,486	11,861	292,85
6,293	11,228	8,935	4,254	6,647	9,698	11,861	292,9
6,293	10,843	9,077	5,178	7,404	10,050	11,861	292,95
6,472	11,018	8,686	4,680	8,665	10,333	11,790	293
7,151	10,808	8,188	5,426	8,810	10,439	11,650	293,05
6,615	9,582	8,899	6,811	8,701	11,144	11,579	293,1
6,436	10,317	7,549	6,776	8,449	10,086	11,509	293,15
6,114	10,632	8,935	6,420	8,449	9,168	11,474	293,2
6,507	10,352	9,468	6,385	8,918	8,216	11,439	293,25
7,151	10,527	10,498	6,314	7,692	8,075	11,579	293,3
6,972	10,597	12,133	6,563	7,260	8,957	11,685	293,35
6,650	9,266	11,209	5,142	8,233	10,368	11,650	293,4
6,579	9,897	10,427	5,107	8,233	11,144	11,579	293,45
7,938	10,597	10,036	6,918	8,089	10,756	11,544	293,5
7,259	11,438	10,036	7,273	8,485	10,368	11,509	293,55
7,294	11,368	8,722	9,901	7,837	9,945	11,509	293,6
7,044	11,473	8,224	11,605	8,954	9,698	11,579	293,65
6,937	11,193	7,798	10,682	8,449	9,204	11,509	293,7

6,472	11,438	6,554	10,611	8,810	9,415	11,439	293,75
6,364	11,823	6,305	10,007	9,134	9,627	11,228	293,8
6,865	11,263	6,767	9,013	7,801	9,274	11,193	293,85
7,223	10,667	7,726	7,663	8,377	8,357	11,298	293,9
6,507	10,667	7,762	7,841	8,521	8,286	11,333	293,95
6,543	10,808	7,655	7,770	8,990	7,934	11,439	294
6,364	11,193	9,219	5,710	7,080	7,934	11,439	294,05
6,472	10,597	9,574	5,604	7,837	8,921	11,439	294,1
6,221	10,527	9,361	4,609	8,810	9,345	11,439	294,15
7,008	10,948	8,828	5,142	8,629	9,627	11,439	294,2
7,259	10,317	8,828	6,740	7,801	10,192	11,474	294,25
6,722	11,788	8,579	6,563	7,801	10,050	11,369	294,3
7,187	10,317	8,650	7,983	8,269	9,909	11,333	294,35
6,937	10,737	9,752	7,770	8,485	8,992	11,298	294,4
7,044	10,387	9,503	7,060	7,548	8,357	11,263	294,45
7,115	11,123	9,645	6,598	8,089	8,745	11,333	294,5
6,901	11,193	9,717	6,385	8,701	8,569	11,439	294,55
6,937	12,349	9,397	6,989	10,720	8,604	11,439	294,6
6,937	11,648	8,935	7,202	8,774	8,533	11,439	294,65
7,437	11,648	8,117	7,344	9,242	8,992	11,509	294,7
6,794	12,069	9,255	8,019	9,783	9,133	11,509	294,75
7,044	11,158	9,183	7,024	10,720	9,627	11,474	294,8
6,722	10,878	9,219	6,847	11,080	9,945	11,544	294,85
7,437	10,808	9,539	6,634	9,711	10,156	11,579	294,9
7,294	9,967	10,569	7,095	9,026	10,544	11,755	294,95
6,829	9,897	11,138	7,415	8,197	10,615	11,826	295
7,366	10,212	10,925	6,527	6,936	10,474	11,931	295,05
8,117	10,317	10,960	7,131	7,620	10,439	11,931	295,1
7,223	10,527	10,747	7,912	7,729	10,509	11,861	295,15
7,724	11,158	10,783	10,185	9,134	10,580	11,720	295,2
7,294	11,578	9,752	8,906	7,801	10,192	11,615	295,25
7,294	10,913	9,041	8,125	9,675	10,227	11,439	295,3
7,008	10,948	8,864	7,912	9,458	10,156	11,298	295,35
7,402	10,527	8,579	8,871	8,774	10,192	11,122	295,4
7,330	10,597	8,295	8,480	9,134	10,262	11,158	295,45
7,724	11,508	8,188	7,699	6,936	10,297	11,158	295,5
7,759	11,193	8,011	8,551	7,044	10,403	11,298	295,55
7,581	11,088	9,006	7,344	6,936	9,980	11,439	295,6
7,080	10,247	8,864	7,735	8,305	9,451	11,474	295,65
7,581	11,088	8,437	7,592	8,197	9,627	11,439	295,7
7,509	10,527	7,122	6,172	6,900	9,345	11,439	295,75
7,974	11,508	8,473	7,131	6,467	9,415	11,333	295,8
7,366	11,928	7,762	6,847	5,422	9,486	11,052	295,85
7,724	11,438	7,193	7,131	5,026	9,486	11,298	295,9
7,688	11,438	8,046	6,563	4,701	9,380	11,193	295,95
7,974	11,648	7,798	5,746	5,602	9,274	11,158	296
7,902	11,893	8,046	6,634	6,539	9,415	11,298	296,05
8,367	12,909	9,219	6,207	8,377	9,839	11,158	296,1
8,511	12,664	9,183	6,456	7,801	9,204	11,052	296,15
8,153	11,578	8,935	5,462	9,386	9,027	11,052	296,2
7,867	10,913	8,828	5,071	8,701	9,415	11,017	296,25
7,509	10,562	8,224	5,888	8,738	9,345	11,052	296,3
7,974	10,317	8,793	6,492	8,017	9,133	10,982	296,35
7,437	11,438	9,503	6,314	8,017	8,921	10,806	296,4
7,294	11,263	10,214	5,178	7,801	9,133	10,736	296,45

7,259	11,823	10,427	6,278	6,683	9,345	10,806	296,5
7,437	11,438	9,539	5,888	6,828	9,168	10,876	296,55
7,294	11,158	9,183	8,445	5,746	9,521	10,947	296,6
6,865	10,948	8,935	9,333	4,161	9,909	11,017	296,65
6,865	11,298	8,295	10,433	4,521	9,521	11,122	296,7
6,829	11,088	8,402	10,185	6,575	9,698	11,122	296,75
6,758	11,158	8,686	8,906	8,017	9,627	11,122	296,8
7,151	10,702	9,752	8,090	8,738	9,662	11,298	296,85
7,795	11,368	9,894	6,918	8,125	9,733	11,017	296,9
8,189	11,368	9,894	7,060	9,314	9,698	11,158	296,95
8,511	10,737	10,143	5,781	8,269	9,662	11,158	297
8,868	10,142	9,219	6,776	8,665	9,451	11,298	297,05
7,616	10,212	9,823	7,344	8,738	9,803	11,298	297,1
7,294	9,932	9,823	6,705	9,026	9,415	11,298	297,15
7,259	11,368	9,788	6,207	9,747	9,451	11,298	297,2
6,507	10,808	9,859	5,852	12,017	9,310	11,298	297,25
6,472	11,263	8,935	6,634	10,107	9,239	11,333	297,3
6,472	12,209	9,077	7,983	8,161	9,310	11,158	297,35
7,759	12,139	9,006	7,592	6,864	9,486	10,876	297,4
6,579	12,069	9,432	9,581	7,008	10,121	11,017	297,45
7,831	12,314	7,513	8,480	8,377	10,050	11,087	297,5
7,366	11,088	7,300	7,877	8,738	9,909	11,052	297,55
8,439	10,527	7,549	7,699	8,738	9,803	11,087	297,6
7,831	10,212	8,046	6,918	9,458	9,839	11,193	297,65
7,724	11,508	9,290	6,847	9,242	9,627	10,982	297,7
7,437	10,983	9,006	6,705	8,449	9,662	11,017	297,75
7,473	11,158	9,219	5,639	8,233	9,698	11,087	297,8
7,795	11,823	9,574	6,598	9,638	9,662	11,087	297,85
7,724	11,683	8,615	6,349	11,188	9,521	11,017	297,9
7,187	12,839	8,757	5,923	9,530	9,133	11,052	297,95
7,330	13,084	8,793	7,557	9,675	8,569	11,158	298
7,437	12,489	7,691	8,693	7,404	8,604	11,298	298,05
7,437	12,069	7,264	9,936	6,539	9,133	11,298	298,1
7,294	12,384	6,518	9,155	7,512	9,415	11,298	298,15
8,010	12,069	8,579	7,948	8,449	9,486	11,228	298,2
7,795	11,403	8,082	7,628	7,548	9,486	11,087	298,25
7,652	11,473	9,326	7,948	5,855	9,592	11,017	298,3
8,117	11,368	9,539	6,278	7,224	9,521	10,947	298,35
7,938	11,123	9,823	5,142	6,864	9,627	10,912	298,4
7,151	10,282	10,392	4,467	6,756	9,556	10,701	298,45
7,259	10,142	9,503	4,467	8,629	9,239	10,876	298,5
7,616	10,177	9,752	7,131	8,161	9,274	10,841	298,55
7,581	10,878	9,006	6,527	8,701	9,662	10,876	298,6
7,724	11,018	9,361	4,645	8,810	10,015	10,806	298,65
7,294	12,244	8,579	6,705	8,017	10,227	10,876	298,7
7,724	12,524	8,046	6,563	9,675	10,439	10,841	298,75
7,867	12,384	7,300	8,800	10,612	10,509	10,806	298,8
7,724	12,244	6,483	8,977	9,494	10,721	10,806	298,85
7,616	12,489	6,589	8,835	9,314	11,003	11,017	298,9
7,509	12,944	7,158	7,699	8,774	10,650	11,017	298,95
7,795	12,139	8,650	7,202	10,179	10,368	11,017	299
7,366	11,578	10,747	5,923	9,675	10,192	10,947	299,05
7,652	10,913	12,879	3,615	9,386	10,050	10,876	299,1
7,867	10,597	11,813	2,052	9,098	9,839	10,841	299,15
8,117	9,827	10,960	2,514	8,521	10,192	10,876	299,2

7,902	9,652	10,640	9,013	8,665	10,580	10,876	299,25
7,688	10,457	10,107	9,972	8,161	10,403	10,947	299,3
7,831	9,827	10,747	9,510	9,062	10,403	10,982	299,35
7,724	9,231	9,752	9,759	8,665	10,227	11,017	299,4
7,581	10,107	9,788	10,398	9,098	9,945	11,158	299,45
7,151	10,772	9,823	9,688	8,557	9,768	11,052	299,5
7,330	11,928	9,326	8,480	9,098	9,662	10,947	299,55
7,366	13,890	8,650	8,551	8,449	9,733	11,087	299,6
7,724	13,470	7,798	8,445	8,053	9,839	11,439	299,65
7,115	12,349	7,229	8,019	7,945	9,945	10,771	299,7
7,259	10,737	6,731	8,267	7,440	10,156	10,947	299,75
7,616	10,317	5,665	7,237	8,485	10,262	10,876	299,8
7,044	10,317	4,031	7,450	8,377	10,297	10,947	299,85
7,115	10,772	7,940	6,492	7,837	9,909	11,052	299,9
7,437	9,967	9,183	6,385	7,368	9,627	11,087	299,95
7,080	11,683	10,356	4,751	7,512	9,310	11,052	300
7,151	11,018	10,569	7,521	8,161	9,415	10,841	300,05
7,974	11,823	10,214	6,598	8,053	9,803	10,701	300,1
7,974	12,594	9,112	6,776	9,386	10,015	10,665	300,15
7,330	11,683	9,645	7,592	10,395	9,980	10,419	300,2
7,187	10,387	9,255	8,835	9,819	9,556	10,173	300,25
7,509	10,527	8,650	8,800	8,449	8,992	10,419	300,3
7,115	9,582	7,940	9,013	9,098	9,521	10,947	300,35
7,008	9,687	7,513	8,267	8,593	9,874	10,595	300,4
7,187	9,967	10,107	8,338	7,224	9,768	10,947	300,45
7,187	11,403	9,681	8,516	7,296	9,909	10,947	300,5
6,722	11,088	9,148	7,131	7,476	9,627	10,947	300,55
7,652	11,298	8,722	7,521	9,242	9,627	10,876	300,6
8,153	10,772	9,468	7,273	9,819	9,874	10,736	300,65
7,616	10,527	8,650	7,273	10,071	10,015	10,665	300,7
7,652	9,547	6,376	6,776	9,386	10,262	10,595	300,75
7,259	8,531	10,001	6,776	9,530	10,121	10,665	300,8
6,758	9,582	8,402	7,344	9,026	9,980	10,771	300,85
7,115	11,718	9,290	7,521	8,846	10,121	10,912	300,9
7,187	12,384	10,036	6,243	8,521	10,050	10,982	300,95
7,652	13,680	8,757	7,841	8,485	10,050	11,158	301
7,902	12,349	8,011	7,060	8,701	10,050	11,158	301,05
7,509	10,843	6,802	8,977	8,089	9,839	11,017	301,1
7,115	10,527	6,660	9,190	9,494	9,803	10,912	301,15
6,937	10,072	5,914	7,983	8,197	9,874	10,841	301,2
7,402	10,247	6,767	7,344	8,557	9,839	10,736	301,25
7,008	9,862	6,945	6,776	7,440	9,768	10,771	301,3
7,294	10,983	9,219	6,740	7,008	9,627	10,876	301,35
7,008	11,438	11,138	5,781	8,233	9,556	11,052	301,4
7,080	10,878	10,178	6,314	8,089	9,415	11,193	301,45
8,117	11,123	9,183	5,781	8,197	9,521	11,298	301,5
7,366	10,808	9,183	6,847	8,810	9,627	11,369	301,55
7,902	11,368	8,650	6,492	8,557	10,192	11,298	301,6
7,294	11,368	8,224	6,989	9,170	9,768	11,087	301,65
6,794	11,123	8,011	8,161	9,314	10,192	10,982	301,7
7,044	10,913	7,442	8,480	9,350	10,509	10,876	301,75
7,044	11,088	7,371	8,232	8,485	10,156	10,947	301,8
6,686	10,843	8,366	7,521	8,665	10,192	11,193	301,85
6,436	11,228	9,219	7,628	8,305	10,580	10,982	301,9
7,330	11,648	9,361	6,243	8,990	10,580	11,052	301,95

7,330	11,648	8,722	6,420	8,954	10,615	10,912	302
7,008	10,597	9,290	5,355	9,062	10,439	10,736	302,05
6,722	11,368	8,544	5,568	8,738	10,333	11,052	302,1
7,115	10,913	7,798	5,852	8,918	10,227	10,876	302,15
7,437	10,667	7,798	5,213	9,098	10,121	11,158	302,2
7,616	11,438	8,366	5,639	9,458	10,121	10,560	302,25
7,509	10,772	9,717	5,781	8,810	10,121	10,525	302,3
7,115	10,247	9,717	5,746	9,675	10,192	10,525	302,35
7,080	10,247	10,072	4,396	9,602	10,050	10,630	302,4
6,901	10,282	9,681	5,462	9,566	10,121	10,701	302,45
6,794	9,547	9,183	7,024	10,900	9,945	10,912	302,5
7,151	10,878	8,935	6,243	8,846	9,980	11,158	302,55
6,937	11,928	8,615	7,912	9,819	10,262	11,122	302,6
7,545	12,139	8,686	8,835	9,999	10,580	10,982	302,65
7,366	12,524	8,437	8,693	10,323	10,544	10,876	302,7
8,010	11,648	7,655	6,776	9,422	9,768	10,736	302,75
7,366	11,018	7,798	7,060	9,675	9,698	10,630	302,8
7,330	9,967	8,011	6,776	9,494	10,192	10,701	302,85
7,115	10,247	6,696	8,196	9,242	9,521	10,595	302,9
7,294	10,107	6,696	8,019	9,134	9,662	10,595	302,95
7,008	10,177	8,757	8,835	7,945	9,310	10,595	303
6,650	11,053	9,610	8,445	8,089	10,791	10,701	303,05
7,509	11,438	9,610	8,161	7,729	9,662	10,665	303,1
8,046	10,247	8,935	6,776	7,584	9,698	10,630	303,15
7,724	10,072	8,508	6,030	8,593	9,063	10,665	303,2
6,829	9,547	8,757	5,710	7,729	10,015	10,736	303,25
7,187	11,438	7,798	6,492	7,801	10,262	10,841	303,3
7,366	10,772	7,371	7,273	7,188	10,050	10,876	303,35
7,795	10,527	7,691	7,202	7,873	9,768	10,806	303,4
8,260	10,352	7,798	7,628	7,945	9,945	10,736	303,45
7,902	11,648	8,935	6,634	8,449	9,945	10,630	303,5
7,724	11,648	8,544	6,776	7,152	9,909	10,701	303,55
7,151	10,247	7,229	5,852	7,765	10,297	10,806	303,6
7,044	10,948	8,046	6,634	7,512	10,368	10,876	303,65
7,080	11,788	6,660	8,338	7,548	10,439	10,947	303,7
6,794	11,928	6,198	6,598	7,729	10,333	11,052	303,75
7,259	12,069	7,407	7,450	7,945	10,403	10,982	303,8
6,615	11,998	8,544	7,344	8,701	10,333	10,947	303,85
6,794	11,928	8,793	6,563	8,197	10,544	10,876	303,9
6,937	10,878	8,153	4,787	10,395	10,192	10,876	303,95
7,223	10,352	8,437	6,563	9,566	9,803	10,876	304
6,794	10,843	9,077	4,290	10,323	9,839	10,806	304,05
6,865	9,722	8,117	6,776	10,251	9,733	10,736	304,1
8,260	9,511	9,148	4,645	10,215	10,262	10,876	304,15
7,616	9,336	12,417	4,893	9,350	10,121	10,947	304,2
7,473	9,511	12,559	5,497	9,314	10,333	10,982	304,25
7,259	9,617	12,133	5,533	8,593	10,121	11,052	304,3
7,581	9,687	11,280	6,420	8,882	10,086	11,052	304,35
7,115	9,967	9,859	6,492	9,206	10,227	11,087	304,4
7,581	9,547	10,036	7,912	8,593	10,827	10,912	304,45
7,330	10,387	9,077	11,108	8,701	10,862	10,982	304,5
7,223	11,228	10,143	11,676	8,665	10,544	10,806	304,55
6,686	12,104	10,463	11,073	8,521	10,050	10,982	304,6
7,366	12,769	9,219	10,540	8,449	10,333	10,806	304,65
6,972	12,209	8,366	10,860	8,017	10,474	10,876	304,7

7,151	11,928	7,407	11,250	7,909	9,733	10,876	304,75
6,615	10,317	7,513	12,919	7,044	10,121	10,982	304,8
6,794	10,002	7,371	9,617	8,125	9,980	10,982	304,85
6,937	9,757	6,802	7,557	7,873	10,227	10,876	304,9
6,794	9,582	8,153	7,060	7,296	10,192	10,806	304,95
7,044	10,492	8,437	10,895	7,404	10,333	10,947	305
7,473	10,597	8,402	8,800	7,404	9,521	10,876	305,05
7,366	9,897	7,691	9,546	7,656	9,027	10,876	305,1
6,650	9,757	7,833	8,267	7,584	8,921	10,947	305,15
6,543	10,352	8,011	7,663	7,837	9,592	11,158	305,2
6,865	11,893	8,437	7,308	7,837	9,909	10,841	305,25
6,507	11,928	7,229	6,989	7,512	10,192	10,876	305,3
6,972	11,718	7,513	6,989	7,945	10,227	10,912	305,35
6,865	11,438	6,802	7,131	7,260	10,156	11,017	305,4
6,937	11,403	6,945	6,492	8,738	10,297	10,912	305,45
7,437	11,088	7,904	6,776	8,449	10,686	11,087	305,5
7,294	11,648	7,513	5,249	8,774	10,474	11,158	305,55
7,151	11,263	9,859	5,568	8,485	10,439	11,158	305,6
7,652	9,967	11,635	3,615	8,954	10,509	11,087	305,65
7,151	10,037	11,991	3,438	8,954	10,544	10,982	305,7
6,615	9,792	11,849	3,224	9,170	10,156	11,052	305,75
6,221	9,371	10,640	6,136	9,458	9,803	10,982	305,8
6,686	9,371	10,498	5,355	9,458	10,050	11,017	305,85
6,543	10,457	9,006	6,101	9,566	9,980	10,982	305,9
6,794	11,123	9,255	9,510	9,170	10,050	10,982	305,95
6,937	10,772	8,188	10,220	9,602	9,945	11,017	306
7,294	11,018	8,579	9,901	9,638	9,768	11,017	306,05
7,294	10,843	7,762	8,835	10,323	9,451	11,158	306,1
6,972	10,948	7,762	8,303	10,539	9,274	11,193	306,15
6,722	11,368	8,793	7,202	10,972	9,204	11,052	306,2
7,008	11,508	9,183	6,420	10,648	9,168	10,982	306,25
6,972	11,718	8,935	6,918	10,720	9,027	10,876	306,3
7,080	12,034	10,072	8,338	10,612	8,921	10,806	306,35
6,937	11,473	9,859	6,456	11,080	9,168	10,876	306,4
6,507	11,823	9,219	5,213	9,278	9,274	10,982	306,45
6,722	10,317	8,650	4,645	8,882	9,345	11,087	306,5
6,364	11,298	10,036	5,959	8,593	9,698	11,193	306,55
7,115	10,527	10,712	5,923	9,026	9,486	11,439	306,6
6,972	10,632	10,712	6,243	8,738	9,521	11,579	306,65
6,865	9,757	10,498	7,344	8,377	9,380	11,685	306,7
7,115	9,547	9,645	7,699	8,413	9,451	11,579	306,75
7,115	10,387	9,041	7,948	9,098	9,556	11,474	306,8
7,044	10,562	10,285	7,592	8,954	9,662	11,193	306,85
7,294	10,387	9,503	11,676	9,566	9,839	10,947	306,9
6,579	10,142	9,183	11,108	9,098	9,945	10,947	306,95
7,151	10,177	8,935	11,321	9,170	10,050	11,017	307
7,330	10,317	8,153	8,693	8,125	10,333	11,228	307,05
7,724	9,336	7,584	8,516	10,612	10,509	11,298	307,1
7,008	9,266	7,051	8,942	9,999	10,439	11,369	307,15
6,722	9,617	7,229	8,693	9,711	9,980	11,509	307,2
7,259	9,967	6,731	8,480	8,665	9,980	11,579	307,25
7,151	11,053	6,589	7,344	8,269	9,909	11,509	307,3
6,579	11,018	7,300	7,060	7,945	9,909	11,333	307,35
6,615	10,282	7,300	6,634	7,945	9,909	11,193	307,4
6,722	11,298	6,980	5,781	8,017	9,909	11,052	307,45

7,044	11,578	7,300	6,172	7,656	9,733	10,982	307,5
7,938	11,263	7,371	7,308	8,629	9,698	11,017	307,55
6,686	11,403	7,975	7,060	8,918	9,486	11,087	307,6
7,008	12,069	8,793	6,101	9,783	9,274	11,158	307,65
6,293	10,597	8,188	7,415	10,035	9,698	11,298	307,7
7,044	10,002	8,366	6,776	8,990	9,803	11,369	307,75
7,223	9,862	8,935	4,716	8,738	9,803	11,298	307,8
7,223	10,562	9,717	5,781	9,386	9,662	11,369	307,85
8,296	10,352	10,925	5,497	8,846	9,909	11,263	307,9
8,117	7,760	11,351	4,965	8,341	10,121	11,193	307,95
7,187	9,406	10,676	6,776	8,017	9,909	11,017	308
6,937	8,916	10,498	7,060	8,161	9,733	10,982	308,05
7,044	9,687	10,463	7,770	8,701	9,592	10,841	308,1
6,042	9,196	10,498	8,587	7,801	9,274	10,806	308,15
5,863	10,352	9,681	8,693	9,314	9,415	10,841	308,2
6,865	10,737	9,788	8,764	8,738	9,451	10,947	308,25
7,294	9,687	8,402	8,977	8,269	9,839	11,052	308,3
7,366	10,072	9,397	9,404	7,188	9,980	11,193	308,35
7,366	11,018	9,361	10,469	7,332	9,909	11,439	308,4
8,081	10,878	9,468	10,966	7,476	9,909	11,298	308,45
7,867	9,757	8,615	10,220	8,269	10,121	11,298	308,5
7,938	9,967	8,935	10,682	7,620	10,156	11,298	308,55
7,759	9,827	9,219	10,540	8,197	9,733	11,158	308,6
7,437	9,687	7,087	9,972	8,377	9,733	11,017	308,65
7,437	9,652	6,660	8,835	7,692	9,698	10,806	308,7
7,437	9,967	8,366	9,190	7,044	9,909	10,595	308,75
7,151	11,018	8,437	9,368	6,936	10,050	10,595	308,8
6,829	11,543	7,158	7,841	6,071	10,086	10,630	308,85
7,867	11,158	7,798	7,131	6,503	10,227	10,736	308,9
7,294	12,349	6,660	6,101	7,440	10,403	10,876	308,95
7,759	10,667	7,620	8,019	7,296	10,650	11,087	309
7,187	9,862	5,523	7,557	7,296	10,968	11,122	309,05
7,223	10,422	6,092	6,669	7,080	11,250	11,017	309,1
7,402	11,123	6,412	6,989	7,296	11,391	10,947	309,15
6,794	11,438	7,371	5,710	7,945	11,462	10,876	309,2
7,724	11,508	8,864	5,568	6,467	11,179	10,806	309,25
9,369	10,247	9,432	4,751	7,656	10,580	10,736	309,3
9,119	10,142	10,534	4,751	7,440	10,580	10,665	309,35
8,046	8,846	9,788	4,680	7,440	10,827	10,701	309,4
7,688	7,445	8,366	5,426	6,683	10,897	10,701	309,45
7,509	7,620	8,508	5,710	7,188	11,038	10,806	309,5
7,652	6,114	9,290	6,563	8,233	11,250	10,876	309,55
7,187	10,037	9,041	7,521	8,954	11,250	11,017	309,6
7,008	12,349	9,183	6,953	9,602	10,509	11,017	309,65
7,223	12,244	8,473	7,060	9,314	10,297	11,122	309,7
7,294	11,403	7,869	6,918	8,629	10,615	11,087	309,75
6,615	10,983	7,158	8,409	8,954	10,968	11,017	309,8
7,080	11,508	6,376	7,344	9,458	10,580	10,947	309,85
7,330	11,928	6,269	6,136	9,891	10,156	10,876	309,9
8,725	12,279	6,873	6,065	10,215	10,580	10,806	309,95
8,582	10,387	7,229	5,249	10,792	10,156	10,876	310
7,294	9,932	7,229	4,858	9,134	10,333	10,912	310,05
7,151	9,091	8,970	5,710	8,918	9,274	10,982	310,1
6,937	10,387	9,006	4,538	8,738	9,698	11,052	310,15
6,257	10,037	8,508	3,189	9,026	9,698	11,158	310,2

6,543	9,091	9,503	3,651	10,071	9,662	11,158	310,25
6,364	9,827	10,356	4,929	10,251	9,698	11,228	310,3
6,650	10,632	11,422	6,030	10,395	9,662	11,193	310,35
6,972	11,438	11,209	6,953	10,612	9,662	11,087	310,4
7,545	10,527	10,107	6,953	9,458	9,556	11,017	310,45
7,652	9,371	10,036	7,202	9,891	9,451	10,982	310,5
7,652	9,652	9,468	9,190	9,386	9,627	11,017	310,55
7,795	10,247	8,508	8,480	10,972	9,627	11,087	310,6
7,581	9,231	8,046	8,835	8,665	9,592	11,158	310,65
7,867	9,932	7,051	8,090	8,305	9,486	11,193	310,7
7,080	10,527	8,970	7,344	8,233	9,310	11,193	310,75
6,829	11,648	7,229	7,841	8,738	9,310	11,158	310,8
6,865	11,368	6,731	7,628	8,485	9,345	11,052	310,85
6,507	11,438	4,777	6,705	8,629	9,803	11,017	310,9
8,046	11,158	6,945	7,592	9,494	10,192	11,158	310,95
7,151	11,508	8,508	6,563	8,918	10,262	11,298	311
6,722	11,368	8,437	6,278	9,062	10,262	11,369	311,05
7,080	11,018	8,793	6,705	8,738	10,580	11,369	311,1
7,259	10,878	9,539	7,273	8,629	10,721	11,298	311,15
7,688	10,983	8,757	6,776	8,233	10,721	11,228	311,2
6,794	11,018	7,833	5,462	8,846	10,262	11,228	311,25
7,080	10,457	7,264	5,959	8,233	9,839	11,263	311,3
6,829	9,687	8,544	5,568	7,801	9,768	11,333	311,35
7,080	9,476	7,549	4,858	7,440	9,768	11,439	311,4
7,187	11,368	9,361	6,456	8,017	9,556	11,579	311,45
7,044	11,788	9,112	6,634	8,161	9,486	11,509	311,5
7,759	11,648	9,112	8,054	8,738	9,451	11,474	311,55
7,151	11,193	8,295	7,983	9,963	9,380	11,439	311,6
6,972	10,527	8,046	6,989	10,251	9,415	11,439	311,65
7,151	10,632	7,726	9,084	8,738	9,698	11,439	311,7
7,902	10,948	6,980	9,084	8,954	9,909	11,474	311,75
7,294	11,683	7,122	8,196	9,242	10,121	11,509	311,8
7,902	11,683	7,051	7,735	9,350	10,262	11,579	311,85
7,616	12,349	7,442	6,527	8,990	10,580	11,650	311,9
8,189	11,368	6,625	7,415	8,629	10,474	11,579	311,95
7,724	10,808	6,660	6,349	8,990	10,192	11,439	312
7,294	9,371	6,554	5,391	9,386	9,909	11,228	312,05
7,294	10,808	7,904	4,645	6,972	9,909	11,228	312,1
7,294	12,104	9,752	4,787	5,062	10,368	11,193	312,15
7,509	10,632	10,534	3,082	9,026	10,897	11,228	312,2
7,581	10,948	10,072	3,011	9,494	10,827	11,052	312,25
7,437	10,913	8,828	4,148	8,125	10,650	11,017	312,3
7,437	10,597	9,432	5,888	7,801	10,439	11,087	312,35
7,437	10,527	9,574	6,740	8,017	10,474	11,052	312,4
7,724	11,018	9,290	8,125	6,936	10,050	11,017	312,45
7,581	11,228	8,828	8,764	6,792	10,156	11,017	312,5
7,294	10,878	8,153	7,912	7,224	10,509	10,876	312,55
7,437	11,228	8,722	6,705	6,107	10,509	10,806	312,6
7,437	10,772	9,255	6,811	6,864	10,262	10,806	312,65
6,937	9,827	8,473	7,592	5,927	10,227	10,771	312,7
7,044	9,827	8,295	6,918	7,476	10,015	10,806	312,75
6,686	8,951	8,046	5,746	8,918	10,121	10,771	312,8
7,366	10,387	7,975	7,095	8,233	10,368	10,771	312,85
7,437	11,298	8,153	6,882	7,260	10,015	10,665	312,9
7,759	10,667	9,681	7,983	7,440	9,768	10,736	312,95

7,509	9,231	9,788	7,486	8,017	9,945	10,771	313
7,008	8,776	9,006	6,847	8,485	10,403	10,806	313,05
7,616	9,932	8,793	5,604	9,098	10,262	10,806	313,1
6,579	11,018	8,970	6,207	8,485	10,262	10,736	313,15
7,366	10,632	8,544	7,806	8,233	10,368	10,736	313,2
7,581	10,142	8,437	9,546	8,810	10,156	10,876	313,25
7,259	11,263	7,655	8,019	7,981	10,156	10,982	313,3
7,330	9,722	7,407	7,735	8,017	9,909	11,158	313,35
7,437	11,228	6,589	7,770	8,954	9,909	11,193	313,4
7,437	11,438	6,696	8,090	9,242	9,803	11,298	313,45
7,509	10,387	6,802	7,450	9,278	9,451	11,369	313,5
7,294	10,107	7,940	7,202	8,629	9,204	11,439	313,55
7,867	11,228	9,503	6,847	8,521	9,168	11,298	313,6
7,294	11,368	8,402	5,107	8,810	9,274	11,193	313,65
6,794	9,967	7,549	6,349	8,701	9,486	11,087	313,7
6,758	9,617	6,802	6,705	8,233	9,733	11,052	313,75
7,545	11,228	7,691	5,284	7,224	10,121	11,087	313,8
7,223	10,737	8,366	6,207	7,224	9,627	11,298	313,85
7,759	11,088	9,788	6,776	6,575	9,592	11,439	313,9
8,010	11,368	10,321	6,420	8,377	9,980	11,544	313,95
7,294	11,438	10,036	7,486	7,584	9,839	11,509	314
7,938	10,562	9,255	6,669	8,810	10,333	11,439	314,05
7,437	11,788	8,437	5,178	9,675	9,980	11,228	314,1
7,437	10,597	7,584	6,563	9,314	9,909	11,158	314,15
7,294	10,983	7,726	6,989	9,134	9,698	11,122	314,2
7,652	10,492	8,046	7,628	9,098	10,086	11,158	314,25
7,259	11,333	8,935	7,202	9,242	9,874	11,263	314,3
6,650	10,317	8,899	6,314	8,954	9,803	11,439	314,35
7,867	10,247	8,650	6,705	8,557	9,556	11,615	314,4
7,330	11,158	8,935	5,284	9,350	9,592	11,790	314,45
7,259	11,998	8,757	5,781	8,377	9,698	11,826	314,5
8,224	12,174	8,935	5,852	8,593	9,980	11,650	314,55
7,795	11,333	9,645	6,492	7,584	9,945	11,369	314,6
7,473	10,072	9,681	6,492	8,089	10,192	11,158	314,65
7,581	9,126	8,722	6,918	5,206	10,192	11,017	314,7
7,652	10,983	8,650	6,776	9,026	9,945	11,052	314,75
7,545	10,422	9,183	5,888	8,990	9,733	11,158	314,8
6,615	10,632	9,539	7,415	8,161	9,592	11,158	314,85
6,972	11,508	8,686	7,344	9,098	9,627	11,193	314,9
6,901	12,349	8,437	6,456	9,062	10,121	11,298	314,95
6,794	11,718	7,620	8,054	9,566	10,368	11,439	315
7,509	11,963	7,726	8,906	8,738	10,580	11,333	315,05
6,865	11,858	7,726	7,983	8,629	10,827	11,087	315,1
7,724	10,737	8,402	7,486	9,026	10,050	11,017	315,15
7,616	9,827	9,361	7,699	8,954	9,451	10,876	315,2
7,437	10,002	8,899	5,675	9,566	9,627	10,665	315,25
7,151	9,967	9,041	5,533	9,026	9,980	10,525	315,3
7,223	10,037	8,935	6,456	9,026	9,980	10,419	315,35
7,366	9,792	9,006	6,492	8,557	10,297	10,279	315,4
7,080	9,722	9,752	9,262	8,665	10,509	10,349	315,45
6,972	10,878	9,645	8,871	8,233	10,615	10,419	315,5
6,937	11,368	8,899	7,628	7,584	10,403	10,701	315,55
7,115	11,963	8,473	7,948	6,972	10,192	10,876	315,6
6,829	11,788	7,051	8,480	6,864	10,262	10,876	315,65
6,829	11,368	6,518	9,688	7,404	9,839	10,736	315,7

6,686	10,878	6,234	9,190	8,413	9,839	10,560	315,75
7,008	10,037	5,914	8,338	9,566	9,592	10,454	315,8
5,899	11,088	6,589	9,368	8,125	9,556	10,419	315,85
7,366	9,547	7,975	6,989	7,873	9,274	10,454	315,9
6,436	10,247	9,183	6,349	7,152	9,098	10,595	315,95
6,722	10,422	10,143	7,060	6,756	9,345	10,771	316
7,080	9,266	9,361	4,574	7,512	9,415	10,982	316,05
7,080	9,722	9,112	4,148	7,440	9,451	11,158	316,1
7,724	9,827	9,788	5,710	7,512	9,627	11,052	316,15
7,867	9,266	8,793	6,172	6,611	9,733	10,876	316,2
7,509	10,352	8,615	6,527	5,782	9,909	10,806	316,25
7,115	9,652	9,077	7,628	6,611	9,980	10,841	316,3
7,294	8,986	8,295	8,196	6,719	10,227	10,525	316,35
8,046	9,441	8,402	8,693	8,161	9,839	10,454	316,4
7,616	10,667	7,442	7,592	7,729	9,909	10,595	316,45
7,187	10,983	7,513	8,658	7,296	9,909	10,736	316,5
6,579	11,368	7,798	7,699	7,008	10,015	10,736	316,55
6,543	11,788	7,620	8,267	8,341	10,050	10,736	316,6
6,650	11,718	6,767	7,202	8,557	9,980	10,841	316,65
6,042	10,527	6,909	7,415	8,269	9,733	10,876	316,7
6,436	11,648	7,051	7,202	6,647	10,050	10,876	316,75
6,543	11,543	8,260	6,243	8,125	10,050	10,806	316,8
7,437	9,862	8,579	5,639	9,350	10,262	10,736	316,85
7,581	9,757	8,402	5,639	10,323	10,192	10,771	316,9
7,437	9,056	10,072	5,284	11,080	10,086	10,736	316,95
7,581	9,056	11,707	4,858	11,873	9,698	10,665	317
6,937	8,250	11,778	4,538	14,323	9,627	10,806	317,05
6,758	8,671	10,996	4,290	9,314	9,768	10,736	317,1
6,364	10,002	11,067	5,213	11,080	9,803	10,806	317,15
6,436	10,527	9,859	8,054	12,197	9,909	10,876	317,2
6,937	10,737	9,361	8,622	11,837	9,909	10,876	317,25
7,151	11,438	8,650	9,972	9,891	9,698	10,771	317,3
7,831	10,772	8,473	11,250	7,801	9,239	10,595	317,35
7,509	11,088	8,615	10,611	7,296	8,886	10,314	317,4
7,581	10,387	7,798	10,291	7,620	9,380	10,173	317,45
7,008	9,827	6,412	9,119	8,629	9,980	10,173	317,5
6,722	9,757	7,158	8,764	9,206	9,874	10,103	317,55
7,330	10,527	8,508	7,806	8,197	10,050	10,138	317,6
7,151	10,808	8,188	7,770	7,692	9,733	10,384	317,65
6,293	12,979	8,757	7,166	7,801	10,050	10,701	317,7
6,114	12,069	8,153	7,486	7,584	10,192	11,052	317,75
6,543	10,282	7,371	5,710	7,692	9,627	12,001	317,8
7,187	9,862	6,980	5,284	7,296	9,345	10,771	317,85
7,294	9,687	7,335	6,314	7,368	9,380	10,384	317,9
7,616	9,687	8,402	5,426	7,260	9,133	10,244	317,95
7,509	9,722	9,645	5,568	9,242	9,239	10,314	318
7,259	9,897	11,209	5,355	8,089	9,380	10,454	318,05
7,366	10,843	10,676	5,639	7,368	9,698	10,595	318,1
7,259	10,282	10,214	5,142	7,512	9,909	10,806	318,15
6,722	10,983	9,610	6,740	7,620	9,839	11,052	318,2
7,008	11,298	9,006	6,030	7,476	9,733	11,228	318,25
7,366	13,049	8,970	7,237	9,422	10,156	11,369	318,3
7,008	12,454	7,869	7,273	8,125	10,403	11,298	318,35
6,686	12,699	8,188	7,060	9,278	10,509	11,122	318,4
6,543	10,667	7,122	7,024	8,377	10,721	10,947	318,45

6,579	10,457	6,163	7,202	8,413	10,439	10,806	318,5
6,686	10,422	7,158	6,243	8,810	10,050	10,665	318,55
6,221	10,422	11,351	6,278	9,422	9,627	10,665	318,6
7,473	10,772	11,707	5,320	8,665	9,274	10,665	318,65
7,437	9,932	11,849	5,213	10,503	9,451	10,630	318,7
7,724	9,056	11,209	4,929	10,323	9,768	10,490	318,75
7,402	10,177	10,427	6,492	7,981	9,839	10,384	318,8
6,937	9,827	9,681	7,273	7,368	10,050	10,349	318,85
6,722	10,177	9,326	10,185	7,296	10,262	10,384	318,9
6,507	9,827	9,183	11,960	7,476	10,121	10,454	318,95
7,080	11,578	8,260	10,753	7,729	10,050	10,560	319
6,829	12,804	8,011	10,256	7,548	9,945	10,595	319,05
7,223	11,648	7,193	9,830	7,801	9,909	10,595	319,1
7,294	10,948	6,376	9,190	6,936	9,980	10,490	319,15
7,115	10,317	6,021	8,090	6,936	10,121	10,314	319,2
6,829	10,212	5,203	7,841	5,927	10,333	10,208	319,25
6,937	10,527	6,412	7,415	5,927	10,192	10,103	319,3
6,829	10,142	7,513	7,237	7,080	10,297	10,138	319,35
7,044	11,228	8,188	7,628	6,792	10,439	10,244	319,4
7,294	11,193	8,615	6,030	6,287	11,003	10,419	319,45
6,972	10,808	8,331	4,432	6,251	11,497	10,595	319,5
7,366	10,387	8,046	4,716	5,963	11,638	10,701	319,55
7,259	10,387	9,290	4,893	4,990	11,603	10,701	319,6
6,972	10,913	8,935	5,994	6,611	11,426	10,771	319,65
7,437	11,753	9,290	4,751	6,756	11,038	10,736	319,7
7,652	11,648	9,503	5,710	7,044	10,580	10,701	319,75
7,867	11,718	8,828	6,563	7,296	10,333	10,595	319,8
7,151	11,928	7,869	6,989	7,476	10,192	10,454	319,85
6,686	11,648	7,335	6,563	8,377	10,156	10,384	319,9
6,722	10,667	7,833	6,243	8,810	10,121	10,419	319,95
6,972	10,667	6,945	7,060	8,521	10,192	10,525	320
6,472	9,827	7,371	6,634	8,918	10,474	10,630	320,05
6,972	9,687	9,859	6,669	9,819	10,827	10,736	320,1
6,829	9,196	11,245	5,675	9,530	11,179	10,841	320,15
7,795	10,667	11,031	5,710	10,071	10,686	10,876	320,2
7,867	9,967	11,707	5,888	9,747	10,756	10,841	320,25
7,545	10,282	10,960	5,213	9,278	10,756	10,771	320,3
7,616	9,652	10,996	7,521	8,918	10,333	10,701	320,35
8,081	10,142	10,925	8,942	8,413	10,121	10,665	320,4
7,223	9,757	10,178	7,877	8,449	9,945	10,701	320,45
6,507	10,177	9,717	9,013	8,161	9,521	10,736	320,5
6,221	11,963	7,726	8,764	8,593	8,286	10,806	320,55
6,579	11,578	6,731	10,398	7,945	9,063	10,912	320,6
6,722	12,419	6,731	7,379	8,089	9,380	11,017	320,65
6,328	11,158	6,589	6,918	8,305	9,274	11,087	320,7
7,008	11,928	6,376	6,136	7,873	9,239	11,052	320,75
7,616	11,403	5,878	6,065	6,683	9,345	11,052	320,8
7,545	10,562	7,264	7,344	7,404	9,662	11,052	320,85
7,080	9,932	7,407	7,166	8,701	9,592	11,158	320,9
7,473	9,336	7,940	5,355	9,314	9,521	11,158	320,95
6,758	10,667	8,224	5,710	8,449	9,451	11,052	321
7,724	11,298	8,757	4,929	8,233	9,345	10,982	321,05
7,151	11,823	9,361	4,645	7,440	9,274	10,876	321,1
7,509	11,648	10,285	4,787	8,810	9,345	10,912	321,15
6,972	11,753	9,361	4,325	7,801	9,380	11,017	321,2

7,437	10,808	8,935	6,030	7,548	9,909	11,122	321,25
7,402	10,843	9,503	6,030	7,945	10,050	11,158	321,3
7,581	12,769	8,295	7,663	7,945	9,909	11,122	321,35
7,008	14,030	8,473	10,007	7,801	9,803	11,122	321,4
7,294	13,330	8,295	7,806	7,801	9,698	11,158	321,45
8,797	13,330	8,793	7,273	7,729	10,050	11,087	321,5
8,332	11,193	8,082	7,841	7,620	10,403	10,947	321,55
8,046	11,018	7,051	6,385	7,512	9,980	10,876	321,6
7,652	10,072	6,447	5,710	7,945	10,121	10,876	321,65
6,972	10,737	7,371	5,604	8,305	9,909	10,841	321,7
7,652	11,088	7,584	6,598	9,062	9,839	10,806	321,75
7,437	11,158	12,950	5,178	9,098	9,733	10,876	321,8
7,187	10,527	13,128	5,178	8,990	9,839	11,017	321,85
7,652	10,983	11,955	4,929	8,125	9,874	10,982	321,9
7,294	10,562	10,036	3,935	7,512	9,803	11,017	321,95
6,758	10,597	8,899	7,486	8,017	9,803	10,876	322
7,259	10,843	8,579	8,232	8,449	9,698	10,947	322,05
7,473	10,457	9,148	9,155	8,485	9,627	10,806	322,1
7,151	11,088	7,798	9,901	8,810	9,627	10,806	322,15
7,867	11,403	7,940	8,587	8,449	9,556	10,771	322,2
7,759	10,878	7,726	8,906	8,089	9,627	10,771	322,25
7,008	9,336	7,122	8,267	9,026	9,909	10,771	322,3
7,115	10,632	7,726	6,918	8,665	9,945	10,771	322,35
7,151	9,617	6,838	5,923	9,386	10,262	11,017	322,4
6,579	11,788	7,513	5,923	8,810	10,192	11,158	322,45
6,328	11,648	8,153	5,107	8,774	10,121	11,369	322,5
6,472	11,578	8,082	6,349	8,089	9,698	11,369	322,55
6,722	11,403	7,478	6,101	7,404	9,980	11,298	322,6
6,650	11,578	6,873	4,538	6,467	10,227	11,263	322,65
7,008	10,457	7,016	6,847	7,945	10,333	11,193	322,7
6,972	10,527	7,655	7,060	8,053	10,650	10,736	322,75
7,187	9,862	8,366	8,232	7,837	10,227	10,490	322,8
7,330	9,757	11,138	8,409	7,945	9,909	10,525	322,85
7,509	10,142	11,920	6,847	7,440	9,698	10,701	322,9
6,722	10,457	11,422	4,893	6,936	9,627	10,982	322,95
7,151	10,667	10,427	5,178	7,260	9,803	10,876	323
6,972	10,667	9,894	4,965	7,512	9,945	10,841	323,05
6,865	10,492	7,869	6,705	7,909	10,121	10,665	323,1
6,615	10,527	7,691	8,445	10,107	10,262	10,525	323,15
6,865	10,457	7,051	7,628	10,684	10,368	10,595	323,2
6,865	10,808	7,798	7,592	6,719	10,615	10,560	323,25
7,044	12,069	8,437	7,486	9,963	10,262	10,630	323,3
6,829	11,998	9,361	7,486	10,179	10,121	10,736	323,35
7,688	11,368	8,473	6,989	9,026	9,980	10,806	323,4
7,294	11,368	7,869	7,308	7,981	9,698	10,665	323,45
6,937	11,158	8,544	7,060	7,837	9,556	10,560	323,5
7,151	11,333	7,869	6,847	7,512	9,839	10,454	323,55
6,364	11,053	8,188	6,349	7,152	9,909	10,454	323,6
6,722	10,948	8,331	6,634	7,224	9,874	10,525	323,65
7,259	10,667	9,290	6,918	7,548	9,627	10,349	323,7
6,650	10,948	10,178	6,811	7,404	9,627	10,314	323,75
7,330	10,808	10,143	6,278	7,548	9,803	10,138	323,8
6,937	10,808	8,899	5,249	11,765	9,733	9,892	323,85
6,042	9,687	8,579	5,355	11,837	9,556	9,927	323,9
6,507	10,142	8,508	5,284	10,251	9,945	9,857	323,95

6,829	10,772	9,148	7,521	10,431	9,909	9,892	324
6,257	10,667	9,823	7,663	10,179	9,839	9,716	324,05
6,829	11,263	10,427	7,948	9,675	9,909	9,435	324,1
6,794	11,088	10,178	6,634	7,440	9,839	9,470	324,15
6,507	9,862	9,539	6,811	6,647	10,050	9,470	324,2
7,080	9,511	8,011	7,060	8,738	9,768	9,540	324,25
6,722	10,247	9,183	7,948	9,386	9,698	9,611	324,3
6,829	10,072	8,082	8,551	9,855	9,733	9,751	324,35
7,008	10,037	8,224	7,912	9,638	9,662	9,857	324,4
7,366	10,983	8,260	8,551	10,251	9,945	9,962	324,45
6,937	11,718	8,473	8,835	9,350	10,192	10,103	324,5
7,008	10,948	7,549	8,693	8,089	10,192	10,103	324,55
6,972	11,718	7,513	8,054	8,954	9,980	10,208	324,6
6,937	11,893	6,127	7,699	8,521	9,909	10,314	324,65
7,223	13,049	6,340	6,278	8,846	10,262	10,454	324,7
7,008	12,244	5,594	6,065	8,665	10,192	10,560	324,75
6,758	10,247	7,087	6,101	8,161	10,086	10,595	324,8
7,294	10,247	8,864	5,213	8,305	9,945	10,630	324,85
7,151	9,652	8,650	6,349	8,161	9,874	10,630	324,9
7,187	10,072	8,224	3,082	8,269	9,945	10,595	324,95
6,650	10,037	10,107	2,727	9,170	10,156	10,595	325
7,652	9,687	10,712	5,852	7,584	10,333	10,454	325,05
7,044	10,632	9,432	6,492	7,548	10,333	10,595	325,1
7,151	10,808	10,854	6,634	10,972	10,192	10,525	325,15
6,543	10,387	10,143	6,740	8,089	10,403	10,525	325,2
7,294	10,142	9,468	10,185	8,053	10,686	10,490	325,25
6,972	9,582	8,082	11,357	6,936	11,038	10,525	325,3
7,044	9,476	8,260	10,327	7,188	11,321	10,454	325,35
6,615	10,843	7,335	9,759	7,584	11,497	10,560	325,4
7,294	10,457	6,838	9,262	9,026	11,391	10,595	325,45
7,223	10,457	7,264	9,262	8,449	10,368	10,876	325,5
7,223	10,948	7,584	8,693	8,629	10,050	11,052	325,55
7,652	10,317	6,767	8,729	8,774	9,909	11,122	325,6
7,437	10,527	5,914	7,557	8,557	10,262	11,158	325,65
6,865	11,053	5,772	7,912	8,413	9,415	11,298	325,7
6,507	12,209	6,838	6,172	7,801	9,874	11,298	325,75
6,507	12,839	6,731	6,136	8,017	9,803	11,333	325,8
7,151	12,069	7,264	5,000	7,152	9,662	11,298	325,85
7,437	11,438	6,838	5,781	6,035	10,015	11,333	325,9
7,223	11,438	8,117	4,893	6,900	10,086	11,369	325,95
6,901	10,737	8,864	3,828	8,197	9,980	11,439	326
6,829	10,212	9,006	3,579	8,485	9,803	11,369	326,05
7,330	9,897	9,788	3,544	8,269	9,980	11,158	326,1
6,972	9,722	10,356	4,219	6,503	10,121	10,947	326,15
7,402	9,617	11,067	4,609	6,756	9,945	11,087	326,2
6,865	9,091	10,747	5,391	7,188	9,768	11,052	326,25
6,221	9,862	10,392	6,669	7,981	9,839	10,982	326,3
6,722	10,247	9,397	7,131	8,377	10,050	11,087	326,35
6,436	10,387	9,539	7,237	10,612	9,592	11,228	326,4
6,543	10,457	8,650	8,977	8,521	9,556	11,228	326,45
6,650	11,158	8,508	7,912	8,810	9,698	11,193	326,5
7,115	11,508	7,371	9,262	9,206	9,909	11,193	326,55
7,294	10,457	6,483	9,297	8,810	9,556	11,158	326,6
6,972	10,247	5,665	8,125	9,242	9,204	11,087	326,65
6,579	10,282	5,807	8,267	9,134	9,133	10,947	326,7

6,937	10,527	5,559	7,379	9,602	9,310	10,912	326,75
6,615	10,632	6,376	5,994	7,873	9,521	10,912	326,8
6,865	10,037	6,554	5,355	7,224	9,768	10,947	326,85
6,650	10,983	8,117	4,112	7,404	9,803	10,982	326,9
6,901	11,438	9,361	3,189	7,801	9,839	11,017	326,95
6,650	11,613	8,899	4,219	8,521	10,262	11,017	327
7,008	11,368	8,793	5,604	8,197	10,050	11,087	327,05
7,581	11,158	8,224	6,492	8,846	9,980	11,158	327,1
6,293	9,827	7,584	6,634	8,990	9,909	11,298	327,15
8,117	10,352	8,260	6,918	8,017	9,839	11,193	327,2
7,545	10,422	8,722	6,598	8,161	9,874	11,158	327,25
7,187	10,247	9,645	6,420	8,449	10,333	11,158	327,3
7,473	10,002	9,681	6,385	8,593	10,121	11,158	327,35
7,008	10,527	9,965	5,994	8,738	10,050	11,369	327,4
6,865	9,967	9,468	6,385	7,656	9,909	11,544	327,45
6,615	11,648	8,544	6,492	8,017	10,015	11,579	327,5
7,008	11,788	8,899	6,669	8,341	10,086	11,650	327,55
6,722	12,209	7,975	8,267	8,701	10,333	11,685	327,6
6,937	12,629	6,945	8,622	9,422	9,662	11,615	327,65
6,615	10,808	6,518	8,551	11,080	9,980	11,439	327,7
6,615	10,983	6,980	8,090	9,891	9,768	11,509	327,75
6,758	10,317	6,412	7,450	5,927	9,768	11,509	327,8
7,008	10,247	6,447	7,948	7,368	9,839	11,439	327,85
6,650	10,142	8,793	7,344	6,143	9,451	11,193	327,9
7,366	9,441	9,965	5,071	7,044	9,521	11,087	327,95
7,867	10,387	11,955	2,869	7,188	9,274	10,912	328
7,151	8,566	11,849	5,639	7,404	9,662	11,017	328,05
7,831	9,511	11,991	4,325	7,512	10,086	10,947	328,1
7,473	10,282	10,356	5,994	6,035	9,945	10,876	328,15
7,437	10,527	10,818	7,557	6,503	9,768	10,876	328,2
7,044	10,562	10,356	8,693	7,945	10,015	10,806	328,25
7,616	10,983	9,823	9,546	7,656	10,474	10,665	328,3
7,080	11,368	8,935	10,824	8,233	10,262	10,665	328,35
7,223	10,983	8,082	11,676	8,377	10,192	10,630	328,4
6,901	10,913	6,696	11,854	8,053	10,192	10,665	328,45
7,259	10,737	5,559	7,841	7,909	10,156	10,736	328,5
7,044	10,247	6,092	6,527	7,765	10,333	10,665	328,55
6,972	11,368	6,092	9,333	7,404	10,192	10,560	328,6
6,185	11,298	6,696	8,054	7,368	10,262	10,454	328,65
7,044	10,632	6,554	7,770	7,152	10,192	10,384	328,7
7,437	10,527	7,513	6,989	7,656	9,909	10,490	328,75
7,294	9,897	7,762	6,456	7,548	10,156	10,454	328,8
7,616	10,632	8,686	5,142	7,440	9,803	10,630	328,85
7,616	10,948	8,579	5,071	10,503	10,368	10,138	328,9
8,046	10,177	9,077	5,497	8,521	10,121	10,244	328,95
7,330	10,002	9,894	4,183	9,098	9,662	9,751	329
8,725	10,562	9,006	4,148	9,386	9,451	9,259	329,05
7,294	10,913	9,041	4,503	9,891	9,874	9,400	329,1
7,151	12,069	8,473	4,148	10,035	9,556	10,384	329,15
7,187	11,648	7,904	4,680	9,242	9,627	10,384	329,2
7,902	12,244	7,513	6,456	8,738	9,168	10,454	329,25
7,187	11,718	7,264	8,516	9,602	9,133	10,630	329,3
6,794	11,368	6,873	6,598	9,638	8,992	10,876	329,35
6,650	11,508	6,696	6,314	9,711	8,957	11,087	329,4
6,937	10,948	8,402	5,178	10,467	9,345	11,158	329,45

7,366	10,562	8,260	5,284	10,720	9,698	11,122	329,5
6,758	11,228	8,970	5,178	10,720	9,451	11,087	329,55
7,652	10,702	11,031	5,746	10,648	9,239	11,122	329,6
6,901	10,667	8,650	6,278	10,179	9,592	11,052	329,65
7,008	10,002	11,351	6,740	10,143	9,556	10,982	329,7
6,937	9,932	12,026	6,918	9,530	9,698	10,982	329,75
7,223	10,107	10,818	6,989	9,638	9,415	11,052	329,8
7,008	9,091	10,996	7,841	8,665	9,239	11,228	329,85
7,294	9,476	9,468	7,806	9,170	9,380	11,228	329,9
7,688	10,527	9,859	8,729	8,774	9,698	10,982	329,95
7,473	10,142	10,143	10,291	8,990	9,310	10,947	330
7,902	10,212	8,579	9,119	8,810	9,310	10,876	330,05
7,437	9,441	8,402	9,297	8,882	9,803	10,841	330,1
7,294	7,935	7,513	9,652	9,062	9,909	10,630	330,15
6,543	8,461	6,909	9,333	8,341	10,156	10,595	330,2
6,937	8,951	6,376	9,404	9,602	10,192	10,630	330,25
6,937	11,963	6,163	8,551	8,521	10,086	10,701	330,3
6,615	13,330	5,203	8,835	7,476	9,627	10,630	330,35
7,187	13,435	5,310	8,161	6,864	9,380	10,490	330,4
6,829	12,594	5,523	8,232	6,900	9,380	10,454	330,45
7,294	11,788	5,203	8,267	7,008	9,239	10,490	330,5
7,831	11,578	5,665	8,622	7,765	9,556	10,490	330,55
7,974	11,368	4,635	6,740	7,873	9,415	10,560	330,6
8,439	11,088	10,321	6,527	6,359	9,733	10,525	330,65
7,759	10,772	9,077	5,533	7,008	10,086	10,525	330,7
8,332	9,547	10,712	2,088	6,864	10,015	10,454	330,75
6,722	9,371	10,818	3,935	7,080	9,909	10,349	330,8
7,294	9,827	9,894	2,550	6,936	9,274	10,244	330,85
7,652	11,088	9,148	2,763	7,368	9,698	10,138	330,9
7,616	10,177	8,864	4,112	7,224	9,909	10,208	330,95
7,187	10,457	8,153	5,852	6,467	10,050	10,208	331
7,294	10,878	8,011	7,521	6,900	9,768	10,173	331,05
7,473	10,843	8,650	7,166	6,792	9,698	10,173	331,1
7,652	10,843	9,326	7,237	8,233	9,415	10,314	331,15
7,187	11,963	9,183	7,095	8,882	9,733	10,314	331,2
7,831	12,419	8,082	8,196	8,882	9,909	10,384	331,25
7,795	10,948	8,082	7,806	8,738	10,121	10,208	331,3
7,724	10,457	8,082	8,338	8,918	10,192	10,173	331,35
7,473	9,652	7,335	8,764	8,665	10,192	10,314	331,4
7,294	9,336	7,513	7,699	8,593	10,192	10,454	331,45
8,153	8,426	8,793	6,882	8,846	10,227	10,525	331,5
7,044	9,547	9,219	6,989	8,738	10,086	10,560	331,55
6,686	11,368	10,107	6,598	8,377	10,015	10,595	331,6
6,722	11,753	10,178	6,065	7,837	10,227	10,595	331,65
6,436	12,559	10,036	5,071	7,368	10,262	10,595	331,7
6,507	12,069	10,036	6,598	7,656	10,050	10,525	331,75
6,650	12,454	7,726	7,060	7,945	10,086	10,454	331,8
7,437	11,578	8,864	7,024	8,341	10,192	10,384	331,85
7,080	11,368	7,016	7,628	8,377	10,403	10,314	331,9
7,366	10,527	6,483	9,794	8,197	10,297	10,349	331,95
7,008	9,266	7,442	8,658	7,512	10,227	10,454	332
6,794	9,827	8,437	9,297	6,359	10,580	10,525	332,05
7,080	9,476	9,503	8,516	6,828	10,791	10,560	332,1
7,795	9,827	9,645	8,125	7,512	11,779	10,630	332,15
7,366	10,142	10,072	6,207	7,909	10,368	10,630	332,2

7,366	10,948	11,031	7,344	9,350	10,262	10,630	332,25
7,437	10,632	11,849	7,060	8,882	9,168	10,595	332,3
7,402	10,002	10,143	7,486	9,278	8,780	10,525	332,35
7,151	10,177	9,397	6,314	7,368	9,451	10,349	332,4
6,722	10,247	9,183	6,172	8,017	9,098	10,314	332,45
6,686	10,878	8,579	8,977	8,918	10,192	10,208	332,5
6,901	11,648	7,869	9,048	7,945	10,368	10,314	332,55
8,010	11,438	7,051	9,084	7,044	10,474	10,454	332,6
7,831	11,368	8,188	8,445	7,224	10,650	10,630	332,65
7,151	11,368	7,442	7,663	7,044	10,721	10,841	332,7
7,223	10,808	8,188	7,486	7,765	10,650	10,947	332,75
7,437	10,667	8,544	7,379	7,440	10,439	10,876	332,8
7,581	10,422	8,899	6,669	8,089	10,509	10,947	332,85
7,581	10,667	7,869	6,243	8,233	10,333	10,841	332,9
7,259	10,843	9,219	6,776	7,008	10,297	10,701	332,95
7,724	11,403	9,041	6,847	6,756	10,439	10,525	333
6,794	11,893	8,970	6,705	8,377	10,192	10,454	333,05
5,863	12,769	8,828	6,349	7,332	9,345	10,525	333,1
6,579	12,104	8,117	5,994	8,665	9,027	10,701	333,15
6,328	12,279	8,473	6,669	8,557	9,098	11,017	333,2
6,829	12,314	8,153	5,852	9,819	9,274	11,333	333,25
7,437	11,123	8,650	6,065	9,963	9,345	11,509	333,3
8,153	10,282	8,650	5,888	9,999	9,274	11,439	333,35
7,759	9,792	9,610	6,989	10,539	9,345	11,228	333,4
7,902	9,757	11,067	6,065	11,116	9,698	11,052	333,45
6,722	8,811	12,417	5,497	9,026	9,803	10,912	333,5
7,402	10,387	12,879	5,142	10,612	9,768	10,876	333,55
6,543	8,636	13,164	5,426	10,684	9,556	10,912	333,6
6,722	9,827	11,387	5,639	10,215	9,204	10,947	333,65
7,223	10,037	11,564	7,948	9,819	9,098	11,158	333,7
7,294	8,951	11,067	10,291	9,819	9,098	11,263	333,75
6,865	9,687	11,742	11,499	10,395	9,168	11,439	333,8
7,259	9,371	10,569	11,747	7,729	9,345	11,474	333,85
7,437	11,333	9,610	11,534	10,143	9,556	11,439	333,9
7,545	11,158	8,437	11,321	10,395	9,662	11,439	333,95
7,437	11,123	7,940	10,966	11,152	9,627	11,369	334
6,579	11,578	7,264	12,493	10,792	9,627	11,193	334,05
6,293	11,928	7,869	10,860	9,242	9,556	11,228	334,1
6,150	11,333	6,731	9,546	8,089	9,451	11,298	334,15
7,581	10,948	5,594	8,800	7,765	9,345	11,369	334,2
6,364	11,368	5,878	7,663	7,692	9,415	11,439	334,25
7,330	12,279	6,056	7,912	7,476	9,556	11,439	334,3
7,151	11,508	7,193	8,516	7,476	9,627	11,439	334,35
7,294	11,158	7,229	8,019	7,656	9,345	11,509	334,4
7,509	10,072	8,011	7,379	8,197	9,204	11,474	334,45
7,473	9,827	8,224	6,811	8,017	9,345	11,439	334,5
6,758	9,547	8,366	6,527	8,305	9,345	11,439	334,55
7,008	10,562	8,650	5,355	8,701	9,415	11,228	334,6
7,509	10,422	8,970	5,462	8,377	9,662	11,087	334,65
7,473	10,037	10,356	4,751	8,846	9,839	11,052	334,7
7,795	10,247	11,671	5,959	8,810	9,803	11,087	334,75
7,581	9,967	9,930	6,278	8,990	9,415	11,228	334,8
7,437	9,406	9,930	4,254	9,350	9,803	11,369	334,85
7,151	10,037	10,072	5,923	8,954	9,556	11,439	334,9
7,115	11,578	8,260	6,314	8,521	9,980	11,369	334,95

7,187	12,944	8,793	8,090	9,747	9,839	11,158	335
6,937	12,209	8,224	6,527	9,530	9,592	11,017	335,05
7,151	12,769	7,904	6,563	9,134	9,768	10,947	335,1
7,187	11,648	6,873	5,497	9,458	9,662	10,912	335,15
7,044	11,858	5,736	5,604	9,530	9,415	10,947	335,2
7,115	10,878	3,924	5,888	10,539	9,345	10,982	335,25
7,581	9,652	4,955	5,320	8,665	8,992	11,052	335,3
7,581	9,582	12,488	5,781	8,810	9,451	11,052	335,35
6,972	8,846	9,717	4,290	9,855	9,768	11,017	335,4
6,293	9,687	10,392	4,077	10,035	9,945	11,017	335,45
6,293	10,387	11,707	8,445	8,810	9,768	10,982	335,5
7,008	10,387	12,026	6,634	8,810	9,980	11,017	335,55
7,330	11,578	10,996	7,948	9,386	9,662	11,017	335,6
7,259	10,527	10,569	8,374	8,918	9,486	11,017	335,65
6,650	9,897	10,072	8,303	8,269	9,310	11,017	335,7
7,115	9,231	9,503	9,297	7,116	9,345	10,947	335,75
7,080	9,266	8,650	8,551	7,656	9,380	10,947	335,8
7,473	9,547	8,757	8,338	8,449	9,345	10,982	335,85
7,366	9,547	8,544	9,048	8,305	9,239	10,982	335,9
6,829	9,792	7,904	8,906	8,377	9,204	10,982	335,95
7,115	10,072	7,655	8,764	8,521	9,133	11,017	336
7,151	10,282	7,229	7,806	8,882	9,027	11,122	336,05
7,437	10,878	6,945	8,338	8,629	8,957	11,052	336,1
7,581	11,508	7,691	8,693	8,089	9,310	11,017	336,15
7,223	11,648	6,838	8,516	7,873	9,698	11,017	336,2
7,437	11,228	7,442	7,060	9,098	9,803	11,017	336,25
7,294	10,948	7,904	7,060	8,485	9,874	11,158	336,3
7,223	10,317	7,549	6,243	8,305	9,874	11,158	336,35
7,437	10,037	8,260	7,131	7,656	9,945	11,158	336,4
7,724	10,737	8,224	6,598	7,368	10,050	11,122	336,45
7,652	11,018	8,402	6,492	7,440	10,121	11,052	336,5
6,901	10,632	9,326	4,929	8,413	10,262	10,982	336,55
7,223	9,687	9,255	4,787	8,161	10,262	10,912	336,6
6,328	11,193	8,757	4,290	8,882	10,227	10,947	336,65
6,722	12,909	8,686	3,828	8,089	10,050	10,947	336,7
6,364	13,435	8,331	7,912	8,017	9,980	11,052	336,75
7,366	14,696	6,802	7,095	8,017	9,839	11,087	336,8
7,080	11,648	8,117	7,237	8,377	9,698	11,052	336,85
6,436	12,174	8,864	7,486	8,017	9,345	11,052	336,9
6,436	11,123	8,295	6,420	8,125	9,168	11,017	336,95
7,187	11,508	8,579	4,574	8,089	9,415	10,947	337
6,758	10,983	9,645	6,030	8,233	9,627	10,876	337,05
6,901	10,597	11,245	5,710	8,918	9,909	10,736	337,1
7,437	10,107	12,417	6,385	9,999	9,980	10,665	337,15
7,294	10,107	13,697	1,804	9,747	10,015	10,736	337,2
7,437	9,126	13,590	6,953	8,846	9,874	10,876	337,25
7,151	10,177	13,270	7,735	8,665	9,768	11,052	337,3
6,436	9,652	13,732	6,882	8,305	9,310	11,087	337,35
7,080	9,897	11,493	7,131	9,026	9,133	11,052	337,4
6,901	9,476	9,788	7,344	8,846	9,098	10,982	337,45
8,117	10,247	8,188	8,729	8,738	9,592	10,912	337,5
8,260	10,772	9,610	9,901	8,701	9,486	10,841	337,55
8,189	9,511	9,219	11,215	8,377	9,204	10,806	337,6
7,938	9,687	10,107	13,310	8,233	8,851	10,876	337,65
6,507	8,846	9,255	11,215	8,918	9,133	10,912	337,7

6,436	8,916	8,508	9,190	9,638	9,627	10,947	337,75
6,829	8,986	7,051	8,054	8,846	9,874	11,122	337,8
7,473	11,998	6,838	7,415	8,738	10,544	11,298	337,85
6,328	12,349	7,051	7,841	8,449	10,297	11,369	337,9
6,328	14,731	7,478	9,404	7,801	10,121	11,298	337,95
6,328	13,119	7,655	9,759	7,729	9,698	11,228	338
6,328	10,352	6,802	9,190	7,224	9,415	11,122	338,05
6,901	10,107	6,412	8,516	7,765	9,345	10,912	338,1
7,366	9,862	7,798	8,977	8,197	9,627	10,771	338,15
6,436	10,107	10,285	8,019	7,620	9,909	10,525	338,2
8,546	10,177	10,285	5,639	7,945	9,980	10,736	338,25
7,044	9,196	10,463	6,492	7,729	10,156	10,947	338,3
7,402	9,757	10,747	5,852	8,089	10,121	11,087	338,35
6,901	9,196	8,935	9,190	7,909	10,050	11,158	338,4
6,829	10,037	8,011	10,043	8,449	10,156	11,228	338,45
6,722	12,979	7,940	6,563	8,377	9,980	11,298	338,5
6,436	12,489	6,945	6,776	7,945	9,698	11,228	338,55
6,972	12,314	6,909	7,521	8,485	9,345	11,122	338,6
7,151	11,823	6,554	6,669	8,233	9,310	11,017	338,65
7,581	10,772	5,772	6,065	8,305	9,274	10,947	338,7
7,688	10,597	7,762	5,888	8,846	9,345	10,876	338,75
7,509	9,547	8,793	6,065	8,521	9,556	10,876	338,8
6,937	9,547	10,072	5,746	9,026	10,050	10,947	338,85
7,151	10,142	11,564	4,538	10,251	9,945	11,193	338,9
7,437	10,457	11,778	5,426	12,233	9,909	11,298	338,95
7,652	10,667	11,635	5,923	10,792	10,262	11,439	339
7,366	11,648	9,788	6,492	9,494	10,156	11,474	339,05
6,865	10,037	8,722	7,841	9,963	10,050	11,439	339,1
6,650	8,986	9,717	8,196	9,638	9,768	11,369	339,15
7,008	10,702	8,153	7,663	9,386	10,050	11,193	339,2
6,650	9,897	7,264	8,019	9,170	9,803	11,158	339,25
7,330	10,667	7,513	7,060	9,170	9,451	11,052	339,3
7,330	11,158	7,655	5,852	9,675	9,168	10,982	339,35
7,437	11,088	7,264	6,705	9,242	9,204	10,982	339,4
7,044	10,177	8,224	6,634	7,945	9,204	10,982	339,45
7,545	10,702	8,011	6,847	6,647	9,274	10,982	339,5
6,794	11,053	9,006	6,527	6,864	9,592	11,052	339,55
6,722	10,177	8,544	6,207	6,467	9,909	11,017	339,6
6,937	10,948	9,112	5,710	6,900	10,262	11,017	339,65
6,650	11,438	9,468	6,705	7,873	9,945	11,052	339,7
6,615	10,667	8,935	7,841	9,711	10,262	11,087	339,75
7,115	11,648	9,006	7,663	9,206	10,615	11,158	339,8
7,581	10,422	7,229	8,303	9,134	10,650	11,087	339,85
7,759	10,808	7,798	8,835	8,846	10,721	11,017	339,9
8,511	10,527	8,295	8,232	9,422	10,509	11,052	339,95
7,652	9,476	7,726	7,060	9,170	10,403	11,158	340
7,223	9,441	8,473	7,131	9,819	10,156	11,158	340,05
7,294	11,648	10,854	6,207	10,071	10,121	11,087	340,1
7,080	10,597	11,351	5,923	11,152	10,121	11,017	340,15
7,187	10,843	10,143	5,497	9,242	10,262	11,017	340,2
7,437	11,963	9,112	6,314	8,882	10,474	11,017	340,25
7,688	11,788	9,148	6,314	7,729	10,686	11,087	340,3
6,865	11,613	9,006	5,994	7,296	10,897	11,228	340,35
7,867	11,123	8,508	8,374	7,512	10,932	11,544	340,4
6,722	9,967	7,940	9,368	8,593	10,791	11,685	340,45

7,688	11,788	8,117	11,889	9,170	10,686	11,755	340,5
7,545	9,967	7,833	8,835	8,413	10,544	11,720	340,55
7,652	9,827	9,112	8,693	8,233	10,474	11,544	340,6
6,937	9,196	9,574	7,486	8,089	10,333	11,333	340,65
6,865	9,371	8,722	6,669	7,620	10,192	11,158	340,7
6,436	9,722	8,153	5,462	8,269	10,333	11,017	340,75
6,364	10,527	7,869	6,527	7,224	10,509	10,947	340,8
7,044	10,317	7,726	7,699	8,089	10,756	10,947	340,85
7,008	10,282	6,447	6,847	8,882	10,756	11,087	340,9
7,294	10,037	6,483	7,699	8,305	10,791	11,228	340,95
6,400	10,247	5,985	6,847	8,017	10,650	11,298	341
7,402	9,827	6,802	5,888	8,161	10,827	11,369	341,05
7,330	9,617	6,802	5,746	8,197	10,474	11,298	341,1
8,081	9,897	7,300	5,710	7,945	10,192	11,052	341,15
6,758	9,757	8,153	6,030	7,837	10,192	10,806	341,2
6,507	9,967	8,331	6,101	8,053	10,121	10,665	341,25
7,008	10,667	8,331	5,994	7,801	9,839	10,630	341,3
6,722	11,718	8,011	5,923	7,512	9,733	10,630	341,35
7,187	11,928	7,833	5,746	6,719	9,980	10,701	341,4
6,901	10,808	8,366	5,746	8,089	10,015	10,841	341,45
7,509	10,562	7,229	5,497	7,729	10,333	11,087	341,5
7,509	9,827	7,335	5,213	7,981	10,580	11,333	341,55
7,437	9,336	7,300	5,923	8,954	11,356	11,439	341,6
7,509	10,457	8,082	4,787	9,278	11,779	11,158	341,65
6,400	9,652	10,356	4,467	11,549	11,532	10,947	341,7
6,650	11,648	11,280	4,574	9,278	10,968	10,841	341,75
6,507	11,543	11,209	5,071	9,927	10,439	10,876	341,8
7,151	11,963	9,610	4,787	9,963	10,086	10,806	341,85
6,650	10,632	9,077	8,019	10,503	9,909	10,665	341,9
6,150	9,967	8,793	8,729	10,612	10,297	10,665	341,95
7,080	9,231	8,011	9,759	10,648	9,874	10,912	342
6,901	10,212	7,513	10,540	10,503	9,451	11,087	342,05
6,865	10,037	7,513	9,972	8,593	9,168	11,158	342,1
7,115	9,967	8,508	8,906	9,098	8,816	11,298	342,15
7,151	10,772	9,077	7,735	8,449	8,675	11,298	342,2
6,937	10,632	9,717	7,486	9,819	8,745	11,439	342,25
6,543	11,088	8,544	7,060	8,665	8,851	11,193	342,3
6,543	10,702	8,828	8,587	8,810	8,851	11,158	342,35
6,722	10,843	7,691	7,628	8,810	8,075	10,947	342,4
6,436	11,928	7,513	6,776	8,701	8,921	10,876	342,45
6,722	11,228	7,940	7,273	8,377	8,498	10,806	342,5
6,078	10,948	8,117	6,492	7,765	8,639	11,017	342,55
6,794	10,037	7,371	5,781	6,936	9,698	11,158	342,6
6,579	10,562	7,335	5,639	7,116	10,262	11,439	342,65
6,758	10,808	8,473	5,923	7,945	10,474	11,509	342,7
6,794	10,667	9,077	5,746	7,224	10,297	11,509	342,75
6,865	10,422	9,219	7,415	7,224	10,333	11,439	342,8
6,901	10,247	8,188	7,237	6,864	10,192	11,263	342,85
7,151	10,212	7,762	5,071	5,746	10,262	11,158	342,9
7,795	10,702	7,762	5,213	5,963	10,333	11,017	342,95
6,650	11,123	8,508	7,415	7,152	10,333	11,087	343
6,293	11,648	9,503	7,912	8,233	10,368	11,122	343,05
6,758	12,839	8,970	8,906	7,692	10,368	11,087	343,1
6,722	12,909	9,326	7,841	7,584	10,333	11,158	343,15
7,223	11,613	9,183	7,628	8,774	10,615	11,228	343,2

7,044	11,683	8,615	8,445	8,593	10,650	11,298	343,25
7,366	11,018	8,864	7,415	7,656	11,038	11,404	343,3
7,044	10,247	9,148	7,060	8,377	11,038	11,369	343,35
7,187	10,352	10,534	7,060	7,873	10,827	11,228	343,4
6,185	9,617	11,564	5,923	7,296	10,721	11,017	343,45
7,151	10,177	11,422	4,716	7,584	10,439	10,876	343,5
7,008	11,438	10,889	5,036	8,665	10,439	10,701	343,55
6,722	11,368	10,001	6,776	8,449	10,121	10,595	343,6
7,008	12,139	9,574	8,587	8,629	10,086	10,595	343,65
7,294	11,998	8,864	7,770	7,296	10,227	10,736	343,7
7,473	10,527	8,722	8,587	7,332	10,262	10,876	343,75
7,581	9,687	8,579	8,196	7,548	10,227	11,017	343,8
7,437	8,951	8,366	9,404	7,512	10,403	11,158	343,85
7,115	10,037	7,158	8,942	7,512	10,156	11,298	343,9
7,294	9,932	7,869	7,912	8,233	9,945	11,193	343,95
7,366	10,457	8,117	7,344	8,918	9,874	11,087	344
7,616	11,788	8,508	7,628	9,170	9,662	10,912	344,05
7,795	13,049	7,584	7,983	9,783	9,592	10,771	344,1
7,473	12,979	7,869	7,131	8,738	9,627	10,665	344,15
7,974	12,349	7,158	7,592	7,224	9,627	10,560	344,2
8,511	11,578	6,980	6,847	6,936	9,451	10,665	344,25
8,475	11,158	5,807	5,746	7,476	9,310	10,806	344,3
7,616	10,667	8,188	5,426	7,548	9,239	10,982	344,35
7,509	10,527	9,041	6,669	7,512	9,274	11,122	344,4
6,937	9,897	9,574	5,923	7,332	9,627	11,158	344,45
6,937	8,881	9,752	5,391	7,332	9,698	11,017	344,5
6,615	10,072	10,107	4,858	7,548	9,945	10,912	344,55
7,008	11,403	9,645	5,746	7,368	9,909	10,701	344,6
7,473	11,158	8,615	5,639	6,936	9,874	10,665	344,65
8,010	10,247	8,579	6,634	8,413	9,980	10,701	344,7
7,509	9,266	8,544	6,989	8,629	9,909	10,736	344,75
7,724	9,757	8,437	9,262	7,584	9,909	10,806	344,8
7,437	11,158	8,366	9,368	7,224	9,980	10,876	344,85
7,724	10,878	8,331	8,693	7,152	10,121	10,947	344,9
7,402	11,298	7,869	8,587	7,945	10,474	10,982	344,95
7,294	11,298	7,655	7,735	8,413	10,403	10,982	345
7,974	10,597	7,869	7,770	9,350	10,403	10,947	345,05
7,652	10,562	7,584	7,841	9,819	10,403	10,876	345,1
7,366	11,018	7,655	6,207	10,576	10,580	10,806	345,15
7,044	11,718	7,904	5,497	10,323	10,297	10,665	345,2
7,616	12,034	8,366	4,929	10,467	10,121	10,595	345,25
7,294	11,963	7,798	3,651	9,747	10,156	10,560	345,3
7,294	11,858	7,549	5,213	8,521	10,192	10,244	345,35
7,080	10,282	8,224	5,213	7,476	10,015	10,876	345,4
7,581	10,177	8,793	6,420	8,521	9,486	11,087	345,45
7,151	10,352	8,864	6,278	9,062	8,780	11,158	345,5
7,151	12,559	9,823	6,278	8,882	8,816	11,087	345,55
6,794	11,928	10,356	7,202	8,774	9,310	10,912	345,6
7,581	11,018	11,280	6,563	8,233	9,521	10,771	345,65
7,473	10,702	11,138	7,592	7,909	9,556	10,665	345,7
6,901	11,228	10,072	6,634	8,233	9,909	10,665	345,75
7,259	9,757	9,219	6,882	8,269	10,262	10,876	345,8
7,044	9,476	9,432	8,161	7,801	10,262	11,087	345,85
7,115	10,597	8,188	9,830	7,332	10,368	11,263	345,9
7,902	10,247	7,940	9,333	7,692	10,227	11,298	345,95

7,688	10,562	8,153	9,262	8,485	10,192	11,193	346
7,259	10,772	6,554	9,155	9,855	9,733	10,947	346,05
7,259	11,578	8,295	8,445	8,629	9,345	10,701	346,1
7,330	11,228	8,579	8,267	9,422	9,133	10,595	346,15
7,008	11,438	8,650	7,131	6,467	8,745	10,630	346,2
6,865	11,053	8,650	6,278	4,881	8,992	10,630	346,25
7,008	11,718	8,935	7,060	6,251	9,980	10,630	346,3
7,223	11,928	8,402	5,923	7,801	10,403	10,701	346,35
6,650	11,018	8,295	5,000	6,575	10,827	10,806	346,4
6,758	10,422	8,864	5,036	7,296	10,827	11,052	346,45
6,758	10,527	8,686	5,923	5,170	10,544	11,228	346,5
7,545	10,072	9,503	6,882	7,008	10,439	11,333	346,55
7,294	9,652	9,752	6,705	7,945	9,980	11,439	346,6
7,437	9,827	9,432	6,065	6,647	9,803	11,439	346,65
7,294	9,827	9,290	5,426	7,440	9,803	11,298	346,7
6,865	9,827	9,219	5,639	7,080	9,980	10,947	346,75
6,507	10,457	8,970	7,237	9,098	9,945	10,771	346,8
6,794	11,368	9,112	7,948	9,026	9,803	10,736	346,85
6,364	12,769	8,650	8,196	9,819	9,451	10,947	346,9
6,650	11,823	7,833	8,019	8,485	9,627	11,052	346,95
6,865	10,737	6,731	7,415	8,593	9,239	11,158	347
6,615	9,932	6,945	7,948	9,494	9,415	11,333	347,05
6,650	10,037	6,554	6,492	9,638	9,521	11,439	347,1
7,366	10,457	8,153	6,492	8,918	9,733	11,439	347,15
7,437	10,632	8,686	6,492	8,593	9,909	11,404	347,2
7,187	10,808	10,178	4,787	9,530	9,698	11,193	347,25
6,722	10,913	10,960	4,645	11,260	9,556	11,228	347,3
6,615	10,808	10,498	5,213	11,224	9,592	11,158	347,35
7,008	10,632	9,361	5,710	11,549	9,204	11,158	347,4
6,901	11,648	8,437	7,131	11,549	8,886	11,158	347,45
6,472	11,508	8,686	8,871	10,071	9,027	11,298	347,5
6,758	10,702	8,793	9,333	7,404	9,133	11,263	347,55
6,472	11,193	8,331	9,226	6,575	9,521	11,298	347,6
6,794	10,843	8,188	8,622	7,512	9,662	11,369	347,65
6,901	10,632	9,006	7,948	8,521	9,133	11,439	347,7
7,115	10,562	9,219	7,237	8,377	9,168	11,509	347,75
6,472	10,072	9,574	6,349	8,269	9,274	11,615	347,8
5,863	10,107	9,788	6,278	8,089	9,274	11,579	347,85
7,151	11,648	9,717	5,639	8,810	9,310	11,439	347,9
7,259	10,808	9,503	6,243	9,134	9,133	11,263	347,95
7,115	11,088	8,650	6,456	8,377	9,168	11,122	348
7,437	11,018	8,402	7,131	8,125	9,239	11,017	348,05
6,758	10,808	6,980	8,338	8,233	9,168	10,982	348,1
6,722	11,403	7,655	8,729	7,368	9,310	10,982	348,15
7,044	10,843	7,549	9,013	7,584	9,239	11,017	348,2
7,473	12,629	7,833	9,688	7,692	9,380	11,158	348,25
7,938	12,874	7,904	9,404	7,981	9,380	11,263	348,3
7,938	12,209	8,935	8,303	10,071	9,345	11,369	348,35
7,902	11,158	9,574	7,521	8,233	9,451	11,439	348,4
8,081	11,193	9,823	6,989	7,656	9,662	11,369	348,45
7,688	10,527	9,361	5,533	8,017	9,768	11,228	348,5
7,902	10,282	9,397	5,781	7,368	9,909	11,122	348,55
7,545	10,843	10,107	4,148	6,864	9,698	11,052	348,6
7,509	10,702	10,392	5,284	5,782	9,627	11,052	348,65
6,722	11,788	10,321	7,592	4,305	9,592	10,982	348,7

6,865	12,279	9,645	4,787	4,341	9,909	11,017	348,75
6,579	11,963	9,077	5,852	4,305	9,909	11,017	348,8
6,150	11,788	8,935	6,989	3,404	10,333	11,017	348,85
6,364	10,422	7,762	7,166	2,899	10,192	11,052	348,9
6,650	10,072	7,655	7,735	5,206	10,121	11,158	348,95
5,935	9,617	6,554	7,344	6,287	10,192	11,158	349
7,151	10,107	7,798	6,207	6,900	10,262	11,158	349,05
7,044	10,562	8,579	6,065	6,936	10,615	11,122	349,1
6,686	10,387	9,397	4,538	6,900	10,721	11,087	349,15
6,650	10,457	9,823	4,858	7,332	10,650	11,052	349,2
6,794	10,107	10,427	5,639	7,548	10,756	10,947	349,25
7,366	9,441	10,712	6,420	8,233	10,474	10,876	349,3
8,010	10,002	9,219	6,492	8,161	10,156	10,912	349,35
8,081	9,757	8,153	6,420	8,197	9,768	10,947	349,4
7,509	10,107	7,016	8,232	7,873	9,556	10,982	349,45
7,223	9,687	6,909	7,166	7,656	9,486	10,947	349,5
7,724	9,336	7,051	7,912	7,729	9,627	10,982	349,55
6,865	9,126	9,183	7,237	8,305	9,733	11,052	349,6
7,008	11,298	9,006	8,161	9,602	9,662	11,087	349,65
6,042	11,438	9,041	8,764	10,143	9,980	11,017	349,7
7,223	11,998	7,371	8,196	9,963	9,839	11,052	349,75
7,294	11,788	6,589	7,308	10,071	9,909	11,087	349,8
7,115	11,158	6,376	5,781	9,783	10,439	11,158	349,85
6,937	10,072	6,127	6,207	9,278	9,698	11,052	349,9
6,937	10,948	6,198	5,391	9,242	9,063	11,017	349,95
7,080	11,228	6,945	6,278	5,818	8,675	10,982	350
7,080	12,034	7,584	6,349	8,774	9,027	10,947	350,05
7,473	11,053	8,260	7,379	9,206	8,886	10,912	350,1
7,509	11,508	8,295	5,142	8,305	9,063	11,017	350,15
7,402	11,228	7,407	5,746	8,557	9,133	11,017	350,2
7,187	11,228	8,011	6,278	8,918	8,886	11,052	350,25
7,044	11,473	9,645	5,923	8,593	8,921	11,017	350,3
7,330	11,053	11,067	6,136	8,629	8,710	11,052	350,35
6,436	11,298	11,067	5,533	7,368	8,816	11,122	350,4
7,044	11,578	11,387	5,746	8,701	8,886	11,158	350,45
7,008	11,788	11,991	4,787	8,377	8,710	11,193	350,5
6,543	10,772	10,712	4,787	8,810	8,286	11,158	350,55
7,294	11,018	9,574	5,994	9,350	8,604	11,158	350,6
6,543	10,632	10,072	7,202	9,242	8,286	11,052	350,65
7,115	11,403	7,407	7,770	9,747	8,357	10,947	350,7
7,008	9,827	7,407	8,622	9,350	8,533	10,876	350,75
7,259	10,107	7,798	8,516	7,945	8,569	10,876	350,8
7,437	10,983	8,082	8,019	7,512	8,604	10,876	350,85
7,294	10,107	8,188	8,480	7,765	8,675	10,982	350,9
7,115	10,562	9,041	7,060	8,882	8,816	11,052	350,95
6,901	10,737	9,717	7,344	11,657	8,886	11,158	351
7,330	11,858	10,925	5,888	11,981	8,921	11,193	351,05
6,650	11,893	10,001	6,598	11,368	9,239	11,263	351,1
6,615	11,928	8,650	6,989	10,107	9,345	11,193	351,15
6,650	11,368	8,260	6,492	8,954	9,592	11,052	351,2
6,579	10,212	7,300	9,936	6,864	9,521	10,947	351,25
6,257	10,247	6,945	10,824	8,017	9,698	10,876	351,3
6,615	10,702	6,873	10,256	9,314	9,662	10,841	351,35
7,330	9,862	8,295	8,693	9,963	9,592	10,876	351,4
7,724	9,301	9,894	8,054	10,359	9,274	10,912	351,45

8,010	9,476	10,925	7,273	10,215	8,710	11,017	351,5
7,330	9,091	10,996	5,888	9,999	8,921	11,158	351,55
7,044	8,776	10,498	6,456	9,819	9,310	11,193	351,6
6,865	9,582	9,645	6,136	9,819	9,733	11,298	351,65
6,722	9,757	7,940	6,314	9,566	9,698	11,369	351,7
6,400	10,948	9,148	9,262	8,774	10,439	11,404	351,75
5,792	12,069	9,148	9,333	7,981	10,403	11,369	351,8
6,221	11,718	7,442	9,190	7,296	10,439	11,193	351,85
7,115	11,788	6,305	9,546	7,692	10,474	11,158	351,9
7,545	11,998	5,878	8,729	6,972	10,262	10,947	351,95
6,829	10,422	5,523	7,948	6,431	10,439	11,228	352
7,044	10,002	5,452	7,912	8,089	10,439	11,369	352,05
7,115	8,916	4,528	7,486	9,098	9,874	11,087	352,1
5,935	11,438	4,102	7,663	9,458	9,698	11,087	352,15
7,115	10,107	5,345	7,273	9,602	9,627	11,158	352,2
6,865	10,107	8,188	8,267	9,242	9,521	10,912	352,25
7,330	10,878	9,788	6,101	8,810	9,592	10,947	352,3
6,758	10,212	9,930	5,923	9,747	9,733	10,806	352,35
7,044	10,808	9,255	5,568	8,161	9,662	10,630	352,4
6,543	11,123	8,935	4,893	8,197	9,274	10,419	352,45
6,436	11,053	7,726	5,781	8,810	9,345	10,595	352,5
6,400	10,632	6,838	6,492	7,656	9,027	10,982	352,55
7,330	10,457	5,807	6,314	7,512	9,133	11,193	352,6
7,294	10,913	6,163	5,781	7,224	9,345	10,947	352,65
7,724	10,527	7,122	5,817	7,909	9,168	10,947	352,7
7,259	10,878	8,295	5,142	7,620	8,921	10,912	352,75
6,686	9,967	8,828	6,172	7,692	9,239	10,736	352,8
6,150	8,951	9,326	5,710	7,584	9,733	10,806	352,85
6,185	8,110	9,006	5,355	8,377	9,486	10,947	352,9
6,042	8,391	9,965	6,349	8,665	9,345	11,298	352,95
6,114	10,352	10,321	3,402	8,810	9,168	11,369	353
7,294	11,053	9,930	4,112	8,089	8,992	11,298	353,05
7,616	10,702	10,498	4,503	6,792	9,380	11,298	353,1
6,758	9,336	10,285	4,325	6,107	9,310	11,052	353,15
6,364	8,811	10,214	4,787	4,773	9,451	10,806	353,2
5,613	8,356	10,178	6,314	5,638	9,909	10,595	353,25
6,257	9,476	9,539	6,918	6,683	10,050	10,595	353,3
7,044	9,441	8,579	8,835	8,665	9,945	10,525	353,35
7,187	9,827	8,970	8,977	6,215	10,474	10,384	353,4
6,722	10,177	8,970	9,013	6,828	10,474	10,314	353,45
6,257	9,196	7,940	9,333	6,503	11,179	10,384	353,5
6,794	8,601	7,371	9,190	6,431	10,827	10,595	353,55
5,434	9,652	7,442	9,262	9,170	11,603	10,736	353,6
7,867	10,667	8,082	7,735	10,539	11,567	10,912	353,65
6,293	11,193	8,260	7,379	8,665	11,285	10,947	353,7
6,400	12,489	8,295	7,060	6,864	11,250	10,701	353,75
6,794	12,139	8,544	6,492	7,765	11,285	10,454	353,8
6,400	11,403	8,295	6,172	12,125	11,426	10,314	353,85
6,972	10,772	8,117	5,213	10,107	11,391	10,384	353,9
6,722	10,352	8,224	4,041	10,792	11,250	10,454	353,95
6,865	10,177	7,229	3,970	10,503	11,215	10,630	354
7,759	10,387	7,513	5,107	9,855	10,897	10,876	354,05
6,865	10,527	7,691	5,497	9,999	10,791	10,806	354,1
7,581	10,142	8,260	6,847	10,467	11,038	10,841	354,15
6,829	9,582	11,138	7,486	10,467	11,179	10,771	354,2

6,829	9,652	11,529	7,095	9,530	11,144	10,701	354,25
6,794	9,126	11,351	5,107	8,089	11,038	10,560	354,3
6,507	9,792	11,635	2,514	8,557	10,721	10,525	354,35
7,008	11,018	11,707	4,716	7,945	10,968	10,525	354,4
6,937	10,002	11,387	5,852	9,170	11,003	10,560	354,45
7,151	10,072	11,422	3,722	9,530	11,074	10,454	354,5
6,937	10,212	9,503	9,936	9,963	10,721	10,349	354,55
6,901	10,562	9,361	10,753	8,990	10,086	10,314	354,6
7,259	10,843	8,508	13,239	9,422	10,050	10,314	354,65
7,330	10,878	7,940	11,676	10,648	10,015	10,454	354,7
7,724	11,088	7,158	12,067	9,711	9,839	10,665	354,75
7,974	11,228	7,726	9,901	9,386	9,733	10,736	354,8
7,509	9,652	7,442	9,617	8,738	9,592	10,841	354,85
6,722	9,687	7,513	8,125	7,656	9,768	10,701	354,9
7,044	10,702	8,224	6,492	7,548	9,909	10,736	354,95
6,686	11,648	8,935	7,131	8,954	10,050	10,806	355
7,008	11,753	8,650	6,563	7,368	10,192	10,806	355,05
6,901	12,489	8,722	6,101	6,071	10,262	10,876	355,1
6,865	11,648	8,224	6,776	6,719	10,192	10,912	355,15
7,473	11,228	7,087	6,065	7,152	10,121	10,841	355,2
7,545	11,368	7,442	7,379	7,296	10,050	10,771	355,25
7,581	10,387	5,523	8,338	9,206	10,156	10,701	355,3
7,509	10,457	4,706	8,232	8,810	10,297	10,595	355,35
7,008	10,878	9,610	6,492	8,846	10,474	10,595	355,4
7,008	9,897	10,605	6,705	9,602	10,474	10,630	355,45
6,722	11,438	11,920	5,249	9,494	10,544	10,771	355,5
7,080	11,858	12,524	4,325	9,855	10,721	10,876	355,55
7,008	12,419	10,178	2,656	9,170	10,827	11,017	355,6
7,259	12,349	9,539	6,420	8,305	10,791	11,017	355,65
7,581	11,928	9,468	8,267	8,990	10,650	11,017	355,7
6,937	10,597	8,331	8,729	9,314	10,580	10,912	355,75
7,581	9,967	7,371	10,043	9,350	10,509	10,665	355,8
7,259	9,897	6,909	11,534	9,242	10,650	10,525	355,85
6,794	10,002	7,300	12,777	9,062	10,862	10,454	355,9
7,366	10,843	7,584	10,007	7,945	10,968	10,419	355,95
7,294	11,928	7,940	9,439	8,161	10,897	10,525	356
7,759	11,228	8,722	8,125	7,909	10,932	10,736	356,05
7,294	11,018	8,082	6,385	7,620	11,074	10,947	356,1
8,117	11,193	6,554	6,136	6,035	11,038	11,017	356,15
8,117	10,913	6,802	6,634	7,188	11,144	11,087	356,2
8,260	10,983	6,873	7,273	8,918	10,932	10,982	356,25
7,974	11,648	6,554	6,669	9,206	10,721	10,771	356,3
7,366	11,648	7,975	6,349	8,918	10,580	10,630	356,35
6,794	11,228	8,650	5,923	8,377	10,544	10,490	356,4
7,437	11,333	8,011	5,036	8,449	10,650	10,384	356,45
7,223	12,349	8,722	4,538	8,954	10,721	10,384	356,5
7,437	11,298	9,077	5,355	8,846	10,721	10,525	356,55
7,724	12,419	8,864	3,899	8,413	10,544	10,665	356,6
6,901	11,928	8,402	4,432	7,368	10,439	10,841	356,65
6,794	10,212	9,219	5,462	6,323	10,368	10,947	356,7
7,724	11,263	8,011	5,355	7,584	10,474	10,982	356,75
7,473	10,527	8,544	5,923	6,467	10,544	10,876	356,8
7,294	10,107	9,823	6,776	7,476	10,544	10,736	356,85
8,117	9,161	11,351	6,776	8,557	10,439	10,595	356,9
7,974	8,706	10,640	6,349	8,557	10,333	10,525	356,95

7,151	8,005	11,280	4,787	8,341	10,297	10,525	357
7,223	8,916	10,321	4,077	7,116	10,262	10,525	357,05
7,616	8,951	9,397	6,207	7,116	10,262	10,525	357,1
6,650	8,916	8,508	8,622	7,584	10,227	10,560	357,15
6,722	9,687	8,970	5,213	7,440	10,192	10,665	357,2
6,865	11,578	8,579	7,983	7,368	10,050	10,736	357,25
7,115	12,314	7,798	10,540	9,206	9,980	10,841	357,3
8,046	10,422	6,945	9,581	7,440	9,909	10,912	357,35
7,688	9,371	6,980	9,546	6,143	9,909	10,912	357,4
7,473	9,266	6,945	9,581	6,575	9,733	10,876	357,45
7,509	10,002	5,807	9,723	6,395	10,086	10,771	357,5
6,472	10,142	5,665	8,338	6,071	10,333	10,665	357,55
6,937	9,827	6,945	7,912	7,801	10,474	10,665	357,6
8,439	11,963	9,255	7,060	7,837	10,650	10,736	357,65
7,509	11,858	8,473	7,308	8,269	10,791	10,771	357,7
7,759	12,069	6,873	7,735	7,512	10,791	10,806	357,75
7,223	11,438	6,767	5,923	7,368	10,580	10,841	357,8
7,366	9,757	6,518	7,628	7,909	10,474	10,912	357,85
7,223	9,336	6,589	6,492	8,665	10,156	10,947	357,9
7,366	10,562	8,437	5,462	9,314	10,121	10,947	357,95
7,366	8,986	8,722	4,716	9,242	9,909	10,806	358
7,008	9,511	10,072	4,929	9,747	9,909	10,736	358,05
7,294	11,158	10,569	4,325	9,386	9,909	10,736	358,1
7,759	11,578	10,889	4,538	8,629	10,015	10,841	358,15
6,615	11,543	10,214	5,462	8,089	10,050	10,982	358,2
7,366	11,368	8,615	7,486	8,413	9,980	11,017	358,25
7,294	11,928	8,402	8,303	8,738	9,945	11,228	358,3
6,937	12,384	7,513	6,918	8,197	9,839	11,193	358,35
7,759	12,174	6,589	6,847	7,620	9,592	11,158	358,4
7,402	11,508	5,878	7,308	7,296	9,627	11,017	358,45
7,115	11,158	7,122	6,527	6,611	10,121	10,876	358,5
6,794	10,808	5,843	7,060	9,386	10,050	10,841	358,55
7,115	10,247	6,554	5,746	8,954	9,874	10,876	358,6
6,722	10,737	9,183	4,361	9,494	9,909	10,982	358,65
7,080	10,177	10,783	4,929	10,576	9,803	11,122	358,7
7,044	9,722	10,925	5,355	10,900	9,627	11,158	358,75
6,436	10,597	10,285	4,325	10,215	9,698	11,158	358,8
7,259	11,193	9,681	5,213	10,792	9,556	11,193	358,85
7,294	11,123	9,645	7,699	9,134	9,945	11,193	358,9
7,151	10,352	9,112	10,185	6,143	9,839	11,158	358,95
7,187	10,212	7,940	11,144	6,792	9,345	11,052	359
6,901	9,722	7,833	10,185	7,837	9,415	11,017	359,05
7,223	10,913	7,549	9,333	8,377	9,556	10,982	359,1
7,366	11,613	7,300	9,439	8,990	9,486	11,017	359,15
7,151	12,699	8,650	8,693	9,026	9,698	11,158	359,2
7,616	12,349	8,331	8,303	9,675	9,803	11,228	359,25
7,509	12,279	7,798	8,480	11,729	9,627	11,333	359,3
8,081	11,438	6,092	7,948	11,657	9,592	11,369	359,35
7,259	11,298	6,731	7,699	10,828	9,521	11,439	359,4
6,579	11,088	8,793	7,344	9,819	9,451	11,369	359,45
6,615	10,983	9,006	6,527	8,774	9,345	11,263	359,5
7,402	11,368	10,569	5,959	8,738	9,345	11,158	359,55
7,151	12,734	11,529	4,787	9,098	9,345	11,017	359,6
7,509	12,559	12,417	4,716	8,954	10,086	11,052	359,65
6,507	12,384	12,346	5,604	8,233	10,474	11,087	359,7

7,008	11,263	10,854	8,445	8,665	10,509	11,228	359,75
7,330	10,212	10,676	8,977	8,882	10,333	11,369	359,8
7,437	10,142	9,574	8,090	8,089	10,474	11,369	359,85
7,151	9,441	8,544	10,540	9,026	10,333	11,298	359,9
7,151	8,916	7,620	12,280	8,665	9,909	11,298	359,95
7,294	8,706	7,229	10,789	7,981	9,874	11,263	360
7,223	8,566	8,757	11,108	7,332	10,050	11,158	360,05
7,294	9,792	9,290	10,753	8,521	9,980	11,122	360,1
7,581	9,617	9,041	9,617	9,098	9,733	11,052	360,15
7,688	10,212	8,295	8,835	7,368	9,521	10,947	360,2
7,831	11,403	7,798	8,338	7,368	9,556	11,017	360,25
7,509	11,298	8,402	8,374	7,656	9,486	11,158	360,3
7,294	11,333	6,945	7,841	7,440	9,627	11,228	360,35
8,081	11,403	5,772	9,297	6,900	9,768	11,263	360,4
7,938	11,228	5,701	8,409	7,008	9,839	11,228	360,45
7,437	11,368	4,706	8,196	6,467	9,698	11,158	360,5
7,437	12,174	6,945	8,977	6,215	9,345	11,017	360,55
7,330	11,298	6,767	8,125	5,602	9,204	11,017	360,6
6,650	10,983	6,731	6,420	6,683	9,239	11,017	360,65
6,829	11,088	7,087	6,527	5,999	9,310	10,982	360,7
6,579	11,788	7,478	6,207	7,512	9,486	10,876	360,75
6,722	12,069	8,615	5,462	7,692	9,486	10,806	360,8
6,937	11,718	9,432	5,107	7,152	9,627	10,806	360,85
7,008	11,998	9,112	4,467	7,224	9,592	10,876	360,9
7,080	12,104	9,965	4,077	7,801	9,768	10,982	360,95
7,581	10,457	9,077	5,355	7,945	9,592	11,017	361
7,437	10,247	10,072	4,787	9,350	9,556	11,052	361,05
7,437	9,476	9,077	6,207	11,260	9,698	11,017	361,1
8,475	9,476	8,402	6,492	10,395	9,839	10,947	361,15
7,867	8,846	8,544	5,639	9,747	10,050	10,876	361,2
8,403	9,056	8,970	6,136	9,999	10,227	10,876	361,25
7,795	9,406	12,488	6,385	8,738	10,650	10,876	361,3
7,795	9,476	12,808	5,888	9,170	11,038	10,841	361,35
7,437	8,846	11,316	8,019	9,026	11,144	10,876	361,4
7,223	11,053	10,036	9,048	8,521	10,650	10,947	361,45
6,257	11,018	10,072	8,480	9,206	10,403	10,982	361,5
6,472	13,084	8,650	10,185	8,738	10,333	10,912	361,55
6,364	13,470	7,513	11,676	9,494	10,544	10,806	361,6
7,008	12,909	6,731	11,392	10,792	10,580	10,771	361,65
7,402	11,648	5,488	10,540	9,170	10,932	10,876	361,7
8,046	9,582	2,680	9,688	11,765	10,333	10,947	361,75
7,616	9,827	5,274	8,800	11,981	10,192	11,017	361,8
7,616	8,916	6,305	7,735	11,008	9,486	11,052	361,85
7,044	9,722	7,513	7,806	10,828	10,050	11,052	361,9
7,366	9,757	9,148	7,024	9,891	10,121	11,052	361,95
7,938	9,547	10,605	6,278	10,720	9,980	10,982	362
7,974	9,827	10,889	6,101	9,927	9,945	10,947	362,05
7,581	9,827	9,539	5,355	9,242	9,662	10,947	362,1
7,402	10,247	8,437	3,899	8,485	9,415	10,947	362,15
7,402	9,862	9,077	5,781	9,098	9,698	11,017	362,2
7,223	9,722	9,006	7,735	8,017	9,768	11,087	362,25
7,080	11,368	8,722	8,587	6,972	9,733	11,158	362,3
6,937	12,874	8,331	8,338	7,008	9,733	11,158	362,35
7,115	13,750	8,650	7,983	9,783	9,733	11,158	362,4
7,473	13,540	6,945	8,906	8,197	9,627	11,087	362,45

7,330	12,069	6,056	9,546	8,161	9,239	11,017	362,5
7,187	11,578	5,914	8,267	9,278	8,921	10,912	362,55
8,153	10,492	5,878	8,942	9,602	9,027	10,736	362,6
7,115	10,247	5,097	8,232	8,990	9,310	10,736	362,65
6,436	8,671	9,361	5,426	8,521	9,345	10,806	362,7
6,829	9,056	11,849	5,071	8,593	9,274	10,912	362,75
7,402	9,757	12,417	4,183	8,665	9,274	10,947	362,8
7,724	9,336	12,204	3,935	7,548	8,992	10,947	362,85
7,437	8,986	12,666	3,438	7,224	9,027	10,876	362,9
7,008	8,916	10,463	3,260	8,053	8,886	10,771	362,95
6,937	10,247	9,645	2,834	7,909	9,345	10,665	363
7,008	11,788	9,432	1,484	7,512	9,310	10,595	363,05
6,829	12,384	10,072	8,906	7,801	9,909	10,490	363,1
6,794	13,575	10,143	10,256	7,945	9,486	10,490	363,15
6,579	13,890	8,615	8,551	7,260	9,556	10,595	363,2
6,293	12,069	7,940	9,190	6,936	9,451	10,736	363,25
7,080	11,788	7,158	14,446	8,665	9,310	10,876	363,3
7,759	10,632	6,518	10,647	10,107	8,851	10,982	363,35
8,046	10,387	6,696	8,054	8,954	9,204	11,017	363,4
7,437	9,617	7,584	8,480	8,593	9,310	10,912	363,45
7,294	9,687	9,361	9,013	7,368	9,098	10,771	363,5
7,151	9,266	10,854	10,540	7,981	9,274	10,665	363,55
7,080	9,476	12,062	9,119	7,801	9,556	10,595	363,6
6,686	10,247	11,991	7,060	8,485	10,156	10,630	363,65
6,543	11,018	11,138	6,669	7,909	9,662	10,630	363,7
6,400	11,683	10,072	6,492	8,269	9,521	10,665	363,75
7,223	11,788	9,930	6,918	9,134	9,733	10,771	363,8
7,044	11,648	9,397	6,385	7,873	9,909	10,876	363,85
6,901	11,718	9,112	6,811	6,972	10,015	11,052	363,9
6,472	10,737	8,366	7,379	6,792	9,980	11,193	363,95
6,507	10,037	7,726	7,060	7,656	9,980	11,298	364
6,650	10,317	6,092	7,592	6,756	9,945	11,333	364,05
5,935	10,317	7,087	7,060	7,080	9,909	11,298	364,1
6,937	10,737	6,909	7,912	6,972	10,050	11,158	364,15
7,473	9,827	7,016	8,267	8,377	9,839	11,052	364,2
7,437	9,967	8,082	8,480	8,233	9,909	11,017	364,25
6,972	9,827	8,864	8,374	7,584	10,086	11,052	364,3
6,293	9,827	8,650	7,663	8,089	10,156	11,087	364,35
6,794	10,072	7,726	6,563	7,584	10,297	11,122	364,4
6,472	10,948	9,112	6,598	8,774	10,368	11,158	364,45
6,794	10,808	9,752	8,551	9,170	10,333	11,158	364,5
6,436	11,298	9,930	7,557	8,377	10,368	11,298	364,55
6,472	10,667	8,935	9,119	8,089	10,403	11,298	364,6
6,257	10,772	9,006	10,256	7,801	10,403	11,158	364,65
7,187	10,527	7,016	9,368	8,738	10,333	10,982	364,7
7,294	9,687	6,447	9,546	8,521	10,403	10,806	364,75
6,615	9,687	6,092	9,297	8,521	10,297	10,595	364,8
6,579	9,021	6,980	9,084	8,954	10,262	10,525	364,85
5,971	9,196	9,077	9,581	9,206	10,368	10,525	364,9
6,221	10,107	8,117	6,989	8,954	10,262	10,595	364,95
6,937	10,843	8,224	6,349	9,638	10,333	10,595	365
6,901	10,527	8,046	8,516	8,521	10,580	10,595	365,05
6,507	9,406	7,300	8,622	7,801	10,756	10,560	365,1
6,722	10,212	6,945	7,912	7,404	10,721	10,595	365,15
6,257	10,387	6,802	7,628	7,080	10,509	10,630	365,2

6,472	10,808	6,945	7,344	7,729	10,439	10,595	365,25
6,829	12,034	6,838	6,918	7,945	10,439	10,384	365,3
6,328	11,648	7,655	5,746	8,593	10,403	10,279	365,35
6,686	11,368	7,762	4,858	8,449	10,474	10,103	365,4
7,402	10,878	7,691	5,142	7,945	10,368	9,997	365,45
6,150	10,177	6,945	4,077	7,656	10,368	9,822	365,5
6,436	10,737	6,554	5,391	7,584	10,227	9,857	365,55
6,436	10,177	7,087	5,710	7,296	10,121	9,997	365,6
6,364	9,722	10,889	6,207	7,620	10,121	10,103	365,65
6,293	8,846	11,067	5,355	7,512	10,156	10,314	365,7
6,400	9,196	11,564	3,011	8,233	10,227	10,419	365,75
6,472	9,266	11,884	3,970	9,350	10,333	10,384	365,8
6,650	9,336	11,209	8,480	8,954	10,368	10,384	365,85
7,008	9,406	10,072	7,273	10,756	10,509	10,173	365,9
6,507	8,741	9,219	7,415	10,972	10,474	10,771	365,95
7,008	8,706	9,077	7,770	10,323	10,474	10,314	366
6,865	10,562	8,260	9,190	10,648	10,439	10,173	366,05
6,364	11,753	7,584	9,404	10,395	10,297	10,314	366,1
6,543	11,788	5,878	9,084	8,593	10,227	10,349	366,15
6,364	10,702	5,381	9,190	10,107	10,227	10,314	366,2
6,364	9,967	4,599	8,622	9,206	10,050	10,208	366,25
6,436	10,772	4,137	8,409	8,521	9,980	9,997	366,3
6,257	10,002	4,173	7,202	8,810	10,050	10,595	366,35
6,650	9,371	2,396	6,563	9,278	10,121	10,595	366,4
6,185	9,687	3,213	6,492	8,593	10,121	10,525	366,45
6,507	10,597	7,300	6,030	8,485	10,121	10,454	366,5
6,472	10,177	7,371	5,462	7,945	10,086	10,454	366,55
6,722	10,527	6,945	4,325	8,197	10,050	10,560	366,6
6,400	10,562	8,082	5,000	7,801	10,050	10,665	366,65
6,543	10,983	7,655	4,396	7,945	10,121	10,736	366,7
6,328	10,878	8,331	5,639	7,801	10,050	10,665	366,75
6,078	9,757	9,148	5,178	7,873	9,909	10,806	366,8
7,509	10,737	9,148	5,355	8,269	10,015	10,665	366,85
6,472	10,597	7,726	4,467	7,837	10,192	10,701	366,9
6,436	10,317	6,696	3,970	7,584	10,333	10,665	366,95
6,543	10,808	6,518	4,574	8,089	10,439	10,806	367
6,722	10,107	7,869	4,396	8,305	10,474	10,876	367,05
6,507	9,897	10,463	5,639	8,125	10,615	11,017	367,1
6,293	10,387	10,463	4,751	8,557	10,439	11,122	367,15
6,364	10,247	9,859	6,492	8,305	10,262	11,158	367,2
6,400	9,687	9,326	6,776	9,819	10,509	11,087	367,25
6,579	9,126	8,970	7,770	8,954	10,544	10,876	367,3
7,044	9,021	8,473	8,125	9,350	10,686	10,736	367,35
6,650	9,617	9,219	6,918	9,747	10,439	10,630	367,4
6,042	10,072	10,250	7,166	9,747	10,192	10,595	367,45
6,436	9,021	9,930	5,036	9,530	10,015	10,630	367,5
5,899	10,878	9,717	5,284	9,350	9,768	10,665	367,55
7,151	11,403	9,788	7,841	9,314	9,909	10,736	367,6
6,722	11,928	8,579	7,877	10,431	9,945	10,771	367,65
6,829	12,664	7,229	7,628	11,116	9,909	10,806	367,7
6,579	11,928	6,980	8,800	11,404	9,839	10,912	367,75
6,543	10,808	5,950	8,090	12,269	9,592	10,876	367,8
6,615	9,792	6,021	7,592	11,440	9,204	10,876	367,85
6,436	9,091	5,807	7,592	10,648	8,851	10,806	367,9
6,328	8,986	6,589	7,486	10,251	8,675	10,701	367,95

7,080	9,406	8,295	7,060	10,035	8,745	10,595	368
7,151	8,496	10,321	5,959	9,963	9,027	10,630	368,05
6,829	8,286	11,067	4,929	9,530	9,556	10,665	368,1
7,366	8,741	10,925	5,249	9,566	10,015	10,736	368,15
6,937	9,547	9,574	5,426	10,071	10,086	10,806	368,2
6,829	9,967	8,970	6,314	8,774	9,698	10,806	368,25
7,437	12,104	8,188	6,740	9,026	10,121	10,841	368,3
6,794	12,804	7,904	8,161	9,638	10,192	10,806	368,35
6,865	12,839	7,584	7,060	9,314	10,121	10,806	368,4
7,008	11,788	5,736	6,776	8,954	9,980	10,876	368,45
6,937	11,018	4,990	7,131	8,810	10,192	10,876	368,5
6,865	9,862	4,457	7,237	8,341	10,121	10,806	368,55
6,722	9,161	6,021	6,101	8,305	10,121	10,771	368,6
6,543	9,687	7,335	6,349	8,485	10,121	10,665	368,65
6,901	9,862	8,686	4,361	8,990	10,086	10,665	368,7
6,972	10,142	10,356	4,467	9,062	10,050	10,665	368,75
7,294	10,843	11,102	3,615	8,738	9,945	10,736	368,8
7,330	11,788	10,214	3,366	8,377	9,556	10,876	368,85
7,581	12,769	9,503	2,798	8,161	9,627	10,912	368,9
7,437	11,998	9,112	6,065	9,458	9,627	10,806	368,95
7,151	10,352	7,869	8,693	9,566	9,627	10,665	369
7,187	10,142	7,051	9,865	9,242	9,768	10,595	369,05
7,223	9,897	5,061	9,581	9,170	9,662	10,595	369,1
7,187	9,196	4,919	8,835	9,134	9,662	10,630	369,15
7,008	10,667	8,650	7,770	8,089	9,662	10,701	369,2
6,507	11,053	10,534	6,776	8,413	9,698	10,736	369,25
7,080	10,247	10,712	5,568	8,557	9,839	10,701	369,3
6,794	10,667	9,077	5,178	8,665	9,909	10,665	369,35
6,722	10,492	8,366	7,770	8,665	9,874	10,701	369,4
7,187	11,438	9,077	6,989	8,629	10,050	10,736	369,45
7,366	11,158	8,153	7,521	8,521	9,698	10,595	369,5
7,437	11,018	8,082	8,658	8,305	9,733	10,630	369,55
8,189	10,843	7,584	7,557	7,945	9,909	10,595	369,6
7,759	11,508	6,767	7,202	7,008	9,662	10,525	369,65
7,187	11,018	7,584	7,131	6,611	9,839	10,525	369,7
7,652	9,547	8,224	6,207	6,503	9,909	10,595	369,75
6,686	10,317	8,757	5,462	5,242	10,086	10,630	369,8
7,581	11,928	9,503	5,639	5,206	10,121	10,701	369,85
7,115	12,559	9,041	5,142	5,782	10,121	10,736	369,9
7,509	12,524	9,006	7,131	7,224	10,192	10,701	369,95
6,543	12,874	8,295	6,989	6,828	10,192	10,630	370
6,400	12,069	8,366	5,213	6,900	10,121	10,630	370,05
6,686	11,123	7,584	6,243	7,224	10,086	10,560	370,1
6,794	10,667	6,873	6,030	7,332	10,156	10,525	370,15
7,724	10,948	6,980	6,101	7,188	10,156	10,490	370,2
7,223	11,018	7,869	6,634	7,008	10,262	10,454	370,25
7,294	9,511	9,326	5,923	8,521	10,368	10,525	370,3
7,831	9,126	11,600	5,710	8,593	10,474	10,595	370,35
7,044	8,356	14,692	5,746	8,161	10,686	10,630	370,4
6,937	8,776	15,438	5,852	8,125	10,721	10,701	370,45
6,686	9,091	12,702	7,131	7,909	10,756	10,806	370,5
6,901	9,441	11,671	4,183	7,008	10,580	10,736	370,55
7,294	10,107	10,214	5,959	7,440	10,686	10,701	370,6
7,795	12,069	10,463	7,450	7,548	10,615	10,665	370,65
7,688	12,314	10,178	9,404	8,846	10,650	10,630	370,7

6,972	10,983	9,681	9,404	8,629	10,650	10,595	370,75
7,187	10,282	9,788	13,985	7,656	10,580	10,525	370,8
7,402	10,737	7,016	14,020	7,548	10,474	10,525	370,85
7,330	11,053	6,412	11,925	8,125	10,192	10,595	370,9
7,223	12,244	6,483	9,617	7,368	10,474	10,701	370,95
7,759	11,508	6,802	7,663	7,296	10,474	10,665	371
6,794	11,718	7,407	7,983	7,260	10,474	10,701	371,05
6,650	10,527	7,016	9,119	7,188	10,474	10,771	371,1
6,758	10,037	6,660	8,942	6,936	10,192	10,806	371,15
6,579	9,967	6,163	8,622	7,260	9,909	10,876	371,2
6,722	10,422	7,798	9,048	7,873	10,192	10,841	371,25
7,080	10,808	8,082	6,740	7,981	10,439	10,771	371,3
7,581	11,368	7,549	6,776	7,945	10,262	10,630	371,35
7,294	11,158	7,229	7,415	7,332	10,192	10,595	371,4
7,366	10,878	7,371	6,243	6,719	9,980	10,560	371,45
7,044	10,107	6,021	5,604	7,656	10,121	10,525	371,5
6,686	10,212	6,056	5,071	7,548	10,156	10,560	371,55
6,436	9,827	4,777	4,858	7,440	9,909	10,701	371,6
6,579	9,687	10,534	5,178	8,233	9,803	10,841	371,65
6,865	10,142	10,001	3,722	7,584	9,839	10,982	371,7
7,008	11,648	10,250	3,508	7,945	9,415	10,982	371,75
7,008	11,543	11,031	5,710	7,801	9,662	10,876	371,8
7,008	10,808	9,965	5,781	8,269	9,592	10,736	371,85
6,686	10,913	9,503	5,817	7,837	9,909	10,630	371,9
6,436	10,037	8,935	5,781	7,909	9,839	10,665	371,95
7,080	10,107	8,864	5,781	8,918	9,415	10,736	372
7,115	10,317	8,295	6,207	8,521	9,098	10,876	372,05
6,472	9,862	8,722	7,308	8,089	8,992	10,876	372,1
6,543	10,597	9,148	6,563	7,548	9,098	10,806	372,15
6,507	9,932	11,031	7,486	8,197	8,816	10,736	372,2
6,436	10,177	11,102	8,871	8,269	8,886	10,806	372,25
6,293	10,177	10,712	8,800	9,711	9,345	10,912	372,3
7,867	10,808	10,321	8,445	11,224	9,345	10,912	372,35
7,616	12,349	9,574	9,155	10,251	9,556	10,947	372,4
7,688	12,629	9,006	8,622	10,215	9,839	10,982	372,45
7,330	11,963	8,188	9,475	9,891	10,050	11,052	372,5
7,008	10,457	6,412	9,901	9,855	10,050	11,017	372,55
6,722	10,632	5,239	9,901	9,675	10,156	11,052	372,6
5,935	9,792	4,883	8,906	10,071	10,192	11,158	372,65
6,722	10,352	3,924	8,906	9,963	10,121	11,228	372,7
6,865	10,913	6,589	8,551	9,638	10,050	11,193	372,75
6,758	11,263	9,077	7,095	8,017	9,980	11,158	372,8
6,937	11,648	11,458	6,030	9,062	9,980	11,052	372,85
7,223	10,317	10,250	5,284	8,954	9,945	10,947	372,9
7,259	10,002	10,143	4,219	6,359	9,980	10,947	372,95
7,545	10,107	10,001	3,366	8,197	9,909	10,982	373
6,972	9,862	9,610	6,456	7,873	9,909	11,158	373,05
6,901	10,142	9,290	7,912	7,368	10,086	11,333	373,1
6,257	9,897	9,290	7,806	4,485	10,121	11,439	373,15
6,615	9,617	9,041	6,918	7,620	10,156	11,544	373,2
7,294	10,142	8,828	6,527	8,521	10,403	11,579	373,25
7,008	10,878	8,188	7,060	7,620	10,544	11,439	373,3
7,294	11,578	7,087	6,740	8,738	10,403	11,228	373,35
6,901	11,578	7,016	7,699	7,692	9,945	11,122	373,4
6,686	11,228	7,051	8,445	7,368	9,733	11,052	373,45

6,829	11,438	6,340	8,764	7,729	9,698	11,017	373,5
6,865	10,737	5,914	9,475	7,801	9,768	10,982	373,55
7,437	10,737	5,665	8,622	7,945	9,451	11,017	373,6
7,473	10,878	7,016	8,835	8,701	9,733	11,052	373,65
7,151	10,247	9,788	5,817	8,738	9,839	11,122	373,7
7,008	9,757	10,356	5,639	8,089	9,768	11,228	373,75
6,794	10,387	10,854	5,107	8,197	10,050	11,369	373,8
6,794	10,282	9,574	4,325	7,224	10,227	11,298	373,85
6,686	10,457	9,041	6,065	8,521	9,945	11,298	373,9
7,008	11,753	9,112	5,426	8,089	9,698	11,158	373,95
7,294	11,123	8,722	7,060	7,512	9,733	11,017	374
6,543	10,457	8,508	6,953	7,945	9,803	10,876	374,05
7,509	10,072	8,082	9,119	8,269	9,662	10,771	374,1
7,044	9,827	7,158	7,948	8,774	9,909	10,665	374,15
7,473	9,091	6,518	8,090	8,557	10,121	10,736	374,2
7,294	8,846	8,473	8,409	8,593	10,509	10,736	374,25
6,829	8,776	9,752	8,445	7,801	10,968	10,912	374,3
6,686	10,597	9,574	6,705	9,783	10,721	11,122	374,35
6,400	10,387	7,549	5,533	10,287	10,580	11,228	374,4
6,901	10,282	7,513	5,639	7,801	10,333	11,333	374,45
7,044	11,648	7,229	7,806	7,152	10,403	11,298	374,5
6,758	12,629	5,772	5,639	7,656	10,121	11,158	374,55
6,579	11,403	3,533	6,847	10,539	9,980	11,052	374,6
7,008	11,648	3,391	7,699	10,503	9,909	10,947	374,65
7,223	10,983	4,173	7,806	8,593	9,486	10,912	374,7
7,688	9,617	7,158	6,989	7,152	9,451	10,912	374,75
8,761	10,352	7,264	4,467	9,098	9,733	10,947	374,8
6,865	8,601	6,305	4,361	9,350	10,050	11,017	374,85
7,080	8,566	8,295	4,467	11,621	10,509	11,017	374,9
6,865	8,321	11,813	5,178	10,431	10,474	10,982	374,95
6,722	9,652	13,199	5,781	11,080	10,368	11,017	375
7,437	9,967	10,107	7,735	10,828	9,980	11,122	375,05
7,080	11,298	9,468	4,148	9,675	9,662	11,298	375,1
8,403	12,244	9,717	3,118	9,062	9,627	11,439	375,15
6,794	11,438	8,331	4,325	9,098	9,768	11,439	375,2
6,543	10,667	7,655	8,835	9,314	9,909	11,333	375,25
6,901	10,037	6,518	8,906	9,855	9,874	11,228	375,3
7,652	12,139	5,488	9,333	9,386	9,521	11,017	375,35
7,330	11,718	6,589	7,344	9,242	9,345	10,912	375,4
7,294	10,843	5,878	7,663	9,855	9,556	10,806	375,45
6,758	9,897	8,188	7,735	9,638	9,803	10,736	375,5
6,114	9,441	9,006	8,019	8,774	9,768	10,806	375,55
6,722	9,371	8,793	6,740	8,521	9,662	11,017	375,6
6,686	8,496	8,331	5,675	7,801	10,156	11,298	375,65
7,115	10,457	7,655	6,634	7,440	10,615	11,474	375,7
6,686	9,547	9,183	5,746	8,990	10,544	11,579	375,75
7,044	9,336	10,960	6,207	7,873	10,439	11,544	375,8
6,615	9,967	9,255	6,243	8,305	10,544	11,439	375,85
6,328	10,387	8,615	5,923	7,152	10,333	11,193	375,9
6,472	10,247	7,158	5,497	6,792	10,050	11,087	375,95
6,436	10,037	7,478	8,303	6,395	9,768	10,912	376
6,650	10,107	6,802	8,125	7,008	9,698	10,876	376,05
7,187	10,527	6,234	5,107	8,305	9,521	10,912	376,1
7,008	9,862	6,447	6,456	8,593	9,451	11,017	376,15
7,581	10,247	6,163	6,492	9,170	9,556	11,158	376,2

7,008	10,772	8,402	6,278	8,665	9,803	11,298	376,25
6,686	10,702	8,082	4,396	8,810	9,768	11,369	376,3
6,579	9,897	7,726	3,295	8,810	9,733	11,369	376,35
6,150	10,808	7,051	3,864	8,665	9,662	11,298	376,4
5,434	11,263	7,869	3,366	9,747	9,662	11,158	376,45
5,971	11,508	7,051	4,148	8,882	9,627	11,087	376,5
6,829	11,928	7,655	4,822	7,765	9,380	11,158	376,55
6,543	11,158	7,726	5,355	8,305	9,239	11,158	376,6
6,794	9,652	10,321	6,669	7,873	9,098	11,087	376,65
6,865	9,722	10,285	6,030	6,972	9,063	10,982	376,7
6,829	9,476	9,859	4,183	7,440	9,204	10,876	376,75
7,008	8,356	9,397	2,798	8,197	9,345	10,806	376,8
6,615	9,161	9,752	4,432	8,233	9,415	10,876	376,85
7,008	8,321	9,539	4,680	8,377	9,627	10,841	376,9
6,543	7,795	9,788	5,994	8,449	9,627	10,771	376,95
6,400	9,582	10,001	6,882	9,062	9,803	10,665	377
7,008	10,878	9,148	6,776	9,314	9,839	10,595	377,05
6,722	10,037	8,864	7,060	9,963	9,874	10,525	377,1
7,616	10,247	9,219	6,776	8,774	9,662	10,490	377,15
7,867	9,582	6,980	8,338	8,593	9,345	10,525	377,2
7,366	9,897	5,772	8,374	8,089	9,098	10,454	377,25
6,865	10,667	4,919	8,906	8,918	8,992	10,314	377,3
7,330	9,897	6,198	8,729	7,476	9,415	10,033	377,35
6,400	10,317	6,198	8,764	8,305	9,768	9,822	377,4
6,078	11,298	6,305	7,663	8,810	9,909	9,576	377,45
6,722	12,139	5,523	5,959	8,774	9,839	9,470	377,5
6,829	12,069	6,269	5,497	8,377	9,698	9,365	377,55
6,078	11,648	6,625	4,751	6,972	9,662	9,470	377,6
6,794	10,527	5,523	4,077	7,332	9,415	9,611	377,65
7,080	10,177	5,665	5,178	9,098	9,310	9,787	377,7
7,437	9,547	7,229	5,391	8,738	9,698	10,068	377,75
8,546	10,072	9,219	5,036	8,521	9,909	10,279	377,8
7,294	9,617	10,960	3,899	8,125	10,050	10,173	377,85
7,080	8,250	10,605	2,621	7,008	10,262	10,173	377,9
6,937	8,496	10,889	2,479	5,999	10,333	10,314	377,95
6,078	9,336	10,498	4,041	7,260	9,874	10,595	378
7,008	9,511	9,717	5,888	6,251	10,333	10,771	378,05
6,972	10,317	9,432	6,456	6,756	10,192	10,806	378,1
7,044	10,878	9,112	7,592	6,719	10,192	10,876	378,15
7,008	10,107	8,579	9,368	6,756	10,439	10,806	378,2
6,472	11,053	7,513	9,333	6,647	10,474	10,771	378,25
6,865	9,932	6,767	9,404	6,431	10,121	10,771	378,3
7,795	10,212	5,736	10,966	7,332	9,768	10,771	378,35
7,080	9,827	5,381	10,576	8,341	9,380	10,876	378,4
7,044	10,142	5,310	9,546	9,134	9,168	10,876	378,45
7,652	10,737	5,772	9,475	8,593	9,239	10,841	378,5
7,330	9,932	5,026	8,445	9,242	9,345	10,806	378,55
6,436	9,722	6,873	7,770	9,098	9,627	10,841	378,6
6,722	9,687	5,594	7,202	9,386	9,698	10,806	378,65
6,078	11,018	6,838	6,136	8,269	9,733	10,876	378,7
6,400	12,454	6,731	4,965	8,197	9,909	10,912	378,75
6,972	12,734	7,335	4,822	8,629	9,980	10,982	378,8
6,722	12,489	8,011	2,443	10,612	9,803	11,052	378,85
7,115	11,018	7,726	3,402	10,359	10,050	11,017	378,9
8,010	10,808	7,478	3,651	10,143	10,050	10,876	378,95

7,473	10,002	8,579	5,710	9,855	10,156	10,736	379
7,044	11,543	9,894	3,970	10,684	10,192	10,630	379,05
7,902	10,317	8,970	5,142	10,648	10,015	10,630	379,1
7,366	9,792	7,513	3,757	10,648	10,050	10,665	379,15
7,115	8,741	6,056	4,645	9,314	10,297	10,701	379,2
6,543	8,951	15,331	6,953	9,242	10,368	10,771	379,25
6,543	9,126	13,341	7,557	9,242	10,544	10,841	379,3
7,366	8,636	12,346	6,456	8,954	10,474	10,947	379,35
6,686	10,667	10,498	5,107	9,098	10,262	10,947	379,4
6,937	11,053	9,148	4,254	8,269	10,156	10,912	379,45
7,151	9,582	9,255	8,693	7,440	10,156	10,806	379,5
7,294	9,722	8,508	9,155	7,945	10,086	10,841	379,55
6,972	10,037	6,767	10,185	7,945	10,050	10,771	379,6
6,901	9,967	5,772	11,960	8,593	9,451	10,665	379,65
7,080	9,266	4,706	9,404	9,422	9,133	10,665	379,7
7,080	10,247	7,371	9,688	9,963	9,274	10,665	379,75
7,223	12,454	6,731	9,013	10,467	9,345	10,806	379,8
7,366	12,244	7,229	9,297	11,116	9,380	10,771	379,85
7,223	11,858	6,731	9,048	11,152	9,274	10,771	379,9
6,579	10,177	7,051	7,486	10,972	9,274	10,771	379,95
7,259	11,508	7,229	7,415	10,467	9,168	10,841	380
7,151	11,088	7,940	6,953	10,143	9,063	10,982	380,05
7,581	10,737	8,224	5,923	10,900	8,957	11,087	380,1
6,901	10,317	7,975	5,710	9,963	9,027	11,193	380,15
7,402	9,266	9,539	4,822	9,783	8,992	11,193	380,2
6,543	8,846	9,574	5,710	8,197	9,063	11,158	380,25
7,151	9,547	9,290	5,710	7,801	9,274	11,087	380,3
6,328	9,757	9,432	7,877	7,801	9,310	11,017	380,35
6,293	11,928	8,366	8,054	8,341	9,345	10,947	380,4
7,044	11,123	8,011	9,226	8,377	9,345	10,947	380,45
6,901	10,142	7,478	8,764	7,512	9,345	10,947	380,5
7,080	10,002	7,691	9,475	8,810	9,415	11,052	380,55
6,794	9,652	6,092	10,362	8,665	9,486	11,158	380,6
7,008	9,757	6,163	9,723	9,206	9,556	11,298	380,65
6,579	8,846	6,518	8,551	9,494	9,521	11,369	380,7
6,829	10,772	7,691	8,480	9,242	9,627	11,298	380,75
6,615	10,422	8,686	7,983	9,783	9,733	11,228	380,8
6,865	10,282	8,366	7,415	9,278	9,839	11,052	380,85
7,151	10,913	7,833	6,492	8,954	9,839	11,017	380,9
6,758	10,002	7,229	6,563	8,341	9,803	10,982	380,95
6,794	11,053	7,442	5,852	7,981	9,839	10,912	381
6,579	11,473	6,731	6,918	7,692	9,803	10,876	381,05
6,543	11,578	7,940	5,994	8,125	9,627	10,947	381,1
7,187	11,263	6,696	5,213	7,945	9,909	11,017	381,15
6,758	10,878	6,980	5,639	8,557	10,050	11,087	381,2
7,080	11,508	6,731	5,994	8,774	10,050	11,158	381,25
7,115	11,088	8,224	5,178	8,738	9,945	11,158	381,3
7,151	10,177	7,975	6,349	8,125	9,945	11,158	381,35
6,972	9,932	8,970	5,994	7,837	9,909	11,087	381,4
6,221	10,562	8,899	5,426	8,089	9,909	11,017	381,45
7,223	10,667	8,188	4,183	8,738	9,909	10,876	381,5
6,829	10,527	7,655	5,497	8,918	9,839	10,806	381,55
6,472	10,702	7,726	5,746	7,801	9,627	10,806	381,6
6,436	11,018	7,904	5,426	7,620	9,521	10,736	381,65
6,901	10,177	8,011	5,852	7,008	9,486	10,701	381,7

6,901	9,897	7,478	6,918	6,972	9,627	10,665	381,75
7,044	10,212	7,407	6,776	7,224	9,839	10,665	381,8
6,972	10,247	7,300	7,308	8,774	10,050	10,630	381,85
7,974	9,757	7,726	7,735	7,873	10,050	10,701	381,9
6,364	10,387	7,975	7,379	7,296	9,945	10,771	381,95
6,328	10,948	8,508	6,918	7,837	9,945	10,806	382
6,722	11,403	8,402	5,284	10,720	9,980	10,806	382,05
6,758	11,613	8,295	5,568	9,530	9,980	10,806	382,1
7,044	11,123	7,833	5,639	9,422	10,227	10,736	382,15
6,650	10,247	6,127	4,538	7,188	10,403	10,595	382,2
6,364	9,547	5,239	7,912	7,512	9,909	10,419	382,25
7,330	8,741	6,305	7,202	7,801	10,192	10,349	382,3
6,364	9,056	7,264	6,456	9,602	9,768	10,314	382,35
7,366	10,247	9,752	5,639	8,125	9,803	10,419	382,4
7,366	10,422	10,498	4,290	7,656	9,698	10,560	382,45
7,080	10,317	10,107	5,568	8,449	9,698	10,665	382,5
6,758	9,336	8,722	3,331	7,332	9,980	10,771	382,55
6,436	8,741	8,046	6,527	8,738	9,980	10,806	382,6
6,007	8,776	7,798	6,811	7,909	9,945	10,806	382,65
6,007	9,547	7,762	6,989	8,377	10,333	10,806	382,7
6,472	10,177	7,264	8,125	7,296	10,615	10,736	382,75
7,080	10,527	8,366	9,262	7,548	10,615	10,630	382,8
6,722	10,772	7,584	8,196	7,620	10,333	10,630	382,85
7,366	9,266	7,158	7,841	7,044	10,121	10,595	382,9
7,187	9,126	6,518	6,847	7,368	10,262	10,595	382,95
7,402	8,916	7,549	8,019	8,954	10,192	10,595	383
7,902	9,196	6,767	8,161	9,134	10,262	10,560	383,05
7,151	11,403	7,442	6,847	8,738	10,862	10,490	383,1
7,151	9,967	8,153	6,420	8,197	10,791	10,525	383,15
6,436	11,648	7,087	6,101	8,089	10,580	10,595	383,2
7,008	11,648	6,234	7,060	8,557	10,368	10,736	383,25
7,115	11,228	6,518	8,125	11,080	10,297	10,806	383,3
6,972	10,808	6,554	7,948	9,530	10,086	10,876	383,35
6,650	10,247	4,955	8,161	8,882	10,121	10,912	383,4
6,436	9,967	4,493	7,806	8,377	9,945	10,876	383,45
6,328	9,792	6,163	6,030	8,305	9,345	10,806	383,5
6,937	9,196	6,660	6,776	7,945	8,886	10,736	383,55
7,187	9,196	8,508	5,852	7,873	8,639	10,595	383,6
7,044	8,776	10,214	4,858	7,476	8,286	10,490	383,65
7,080	9,441	10,854	4,538	7,873	7,722	10,454	383,7
7,294	10,282	11,209	3,544	8,233	7,263	10,490	383,75
7,187	11,053	10,250	2,230	9,242	7,651	10,630	383,8
6,543	11,648	9,112	0,987	7,512	7,934	10,876	383,85
6,257	10,772	7,442	3,508	8,089	8,004	10,982	383,9
6,865	10,737	6,909	5,923	8,233	8,039	11,087	383,95
6,364	10,107	7,407	6,776	8,161	7,969	11,087	384
6,650	10,913	7,655	7,344	8,089	7,863	11,017	384,05
6,579	9,406	7,513	6,918	7,801	8,145	10,947	384,1
6,758	9,056	8,224	7,628	8,954	8,181	10,806	384,15
6,722	9,161	9,112	5,142	9,170	8,145	10,630	384,2
6,615	8,986	9,041	5,213	8,918	8,251	10,560	384,25
6,722	8,531	9,255	3,793	6,395	8,851	10,454	384,3
6,865	10,247	9,148	5,568	9,314	9,063	10,560	384,35
7,187	10,527	8,935	5,675	9,134	9,380	10,806	384,4
6,364	11,508	8,864	6,207	9,314	9,733	11,052	384,45

6,364	10,597	8,188	7,344	10,287	9,874	11,228	384,5
6,364	10,597	7,584	7,202	10,503	10,297	11,228	384,55
6,686	10,527	6,163	7,344	10,828	10,544	11,228	384,6
7,008	10,527	6,412	7,912	10,828	10,615	11,158	384,65
6,937	10,177	7,264	7,983	9,855	10,827	11,087	384,7
6,758	9,371	7,798	8,125	8,738	11,003	11,017	384,75
6,007	9,266	7,762	7,735	8,593	10,968	10,876	384,8
6,758	10,387	8,366	6,385	8,485	10,968	10,876	384,85
6,758	10,282	7,940	6,527	8,918	11,038	10,912	384,9
6,722	9,932	6,909	6,634	7,620	10,932	11,017	384,95
7,080	11,088	7,833	6,882	7,801	10,862	11,158	385
6,185	11,858	7,478	6,207	7,080	10,756	11,228	385,05
6,543	11,403	7,513	6,278	8,161	10,615	11,369	385,1
6,543	11,228	6,767	6,172	7,981	10,615	11,333	385,15
6,436	9,897	6,376	7,060	7,008	10,509	11,298	385,2
6,185	11,928	5,914	7,486	8,449	10,509	11,158	385,25
6,328	12,069	8,117	7,131	8,557	10,509	10,982	385,3
6,829	11,368	8,828	6,136	8,089	10,439	10,876	385,35
6,114	11,263	9,717	5,710	7,981	10,403	10,771	385,4
6,400	9,897	9,112	3,686	8,305	10,262	10,771	385,45
6,829	9,967	8,935	5,533	9,062	10,015	10,701	385,5
6,794	9,021	7,691	6,136	7,008	9,980	10,771	385,55
6,185	8,566	6,873	7,166	7,801	10,050	10,771	385,6
6,114	8,986	6,412	6,492	7,837	10,086	10,701	385,65
6,257	9,547	10,143	7,202	7,008	10,192	10,665	385,7
6,150	9,406	12,275	8,338	7,368	10,333	10,560	385,75
6,150	10,737	9,859	7,379	8,954	10,474	10,419	385,8
6,221	11,088	9,717	5,639	8,954	10,615	10,314	385,85
6,794	10,317	9,255	8,622	9,530	10,756	10,208	385,9
6,579	10,177	8,864	7,948	11,224	10,721	10,138	385,95
6,579	10,527	7,407	9,901	9,458	10,650	10,208	386
7,080	10,422	6,945	9,759	9,206	10,509	10,314	386,05
6,364	10,387	6,234	9,013	8,305	10,403	10,419	386,1
6,472	10,212	6,198	8,835	8,017	10,403	10,490	386,15
6,507	10,492	6,660	8,693	7,801	10,333	10,525	386,2
6,722	11,438	5,736	7,912	7,729	10,227	10,560	386,25
7,044	12,419	5,594	7,202	7,440	10,262	10,595	386,3
6,400	12,629	7,300	7,060	6,792	10,368	10,595	386,35
7,223	11,648	6,660	7,060	6,647	10,439	10,630	386,4
7,437	10,632	6,376	5,391	7,008	10,509	10,630	386,45
6,972	9,652	6,731	5,462	6,972	10,474	10,665	386,5
6,257	10,107	6,696	5,355	7,692	10,509	10,665	386,55
6,472	9,652	8,224	4,716	7,584	10,474	10,806	386,6
6,472	10,002	10,783	4,290	7,080	10,615	10,947	386,65
6,114	10,107	12,062	4,183	7,188	10,756	10,982	386,7
7,294	10,597	11,707	4,148	7,440	10,756	11,052	386,75
7,151	9,757	10,498	4,538	7,440	10,968	11,158	386,8
7,366	9,476	10,072	4,574	9,170	11,215	11,193	386,85
6,972	10,247	9,290	7,202	8,197	11,038	11,228	386,9
7,330	10,422	9,539	7,024	9,098	11,603	11,087	386,95
7,437	11,088	8,508	9,119	8,557	11,391	10,947	387
7,115	12,244	8,046	9,759	8,738	10,474	10,806	387,05
6,865	11,858	6,873	8,480	9,530	10,368	10,806	387,1
6,829	11,578	6,660	7,237	10,179	10,439	10,841	387,15
7,259	11,158	6,660	6,349	11,296	10,721	10,912	387,2

7,008	11,228	6,340	5,994	10,756	10,686	10,947	387,25
6,794	10,948	7,335	5,852	9,422	10,791	10,947	387,3
6,722	11,088	8,153	5,533	8,629	10,968	10,876	387,35
6,901	11,018	10,143	4,893	8,701	10,756	10,912	387,4
6,722	10,843	11,600	5,142	7,548	10,439	10,841	387,45
7,437	10,037	11,173	5,497	7,729	10,368	10,771	387,5
7,688	8,986	10,925	4,893	8,017	10,368	10,665	387,55
7,044	9,266	10,534	5,639	8,846	10,227	10,595	387,6
7,044	9,336	10,036	7,912	7,801	10,192	10,665	387,65
7,294	9,582	10,214	9,723	8,233	10,192	10,665	387,7
7,366	10,037	9,361	13,310	7,873	10,650	10,665	387,75
6,937	10,527	9,503	10,576	7,801	10,403	10,841	387,8
7,008	11,578	8,082	9,794	7,837	10,721	10,947	387,85
7,581	10,387	7,726	8,906	7,260	10,544	11,087	387,9
7,223	10,667	8,011	7,557	8,377	10,015	11,193	387,95
7,259	10,072	6,945	6,918	8,341	9,627	11,193	388
7,509	10,387	6,873	7,557	7,656	9,592	11,087	388,05
7,831	10,422	7,087	6,669	7,837	9,733	10,912	388,1
7,616	10,352	8,082	6,918	7,224	9,874	10,876	388,15
7,545	9,897	9,077	5,923	7,296	10,086	10,876	388,2
7,616	9,862	8,899	5,355	7,368	10,192	10,982	388,25
7,151	9,056	9,290	5,391	7,080	9,698	11,087	388,3
7,831	11,368	9,219	5,071	7,656	9,980	11,158	388,35
7,473	12,489	8,650	5,923	7,044	9,909	11,298	388,4
7,044	12,769	8,686	7,379	8,089	10,050	11,404	388,45
7,008	11,368	8,331	8,835	7,404	10,050	11,404	388,5
6,722	11,158	6,873	6,989	6,828	9,698	11,298	388,55
7,545	10,808	7,016	6,918	7,440	9,451	11,122	388,6
7,294	10,667	7,584	6,420	7,512	9,698	11,087	388,65
7,652	11,088	8,650	6,207	7,224	9,627	11,158	388,7
7,151	10,247	9,788	5,000	8,305	9,662	11,158	388,75
6,937	9,652	10,640	5,604	7,729	10,439	11,263	388,8
6,472	8,776	11,245	5,320	8,882	10,544	11,333	388,85
6,650	8,881	9,965	5,284	9,638	10,544	11,369	388,9
7,867	9,336	10,107	6,207	8,954	10,227	11,439	388,95
7,437	10,247	10,392	6,492	9,098	10,227	11,439	389
7,437	10,352	9,752	6,030	9,242	10,192	11,439	389,05
8,618	8,916	9,006	9,333	9,134	10,156	11,439	389,1
7,509	9,196	9,326	8,942	9,350	9,839	11,298	389,15
7,831	10,983	8,793	9,226	8,882	9,556	11,228	389,2
7,831	11,858	8,899	9,475	9,170	9,556	11,193	389,25
7,294	11,928	8,082	9,048	9,242	9,980	11,228	389,3
7,581	11,893	7,513	9,048	8,738	10,686	11,263	389,35
7,581	12,454	6,767	8,374	8,846	10,509	11,369	389,4
6,615	12,909	6,483	8,019	8,774	10,121	11,439	389,45
6,758	12,664	6,269	7,592	9,170	9,909	11,509	389,5
7,008	12,209	6,731	6,598	8,593	10,121	11,579	389,55
6,722	11,228	6,518	6,349	10,071	10,121	11,439	389,6
6,650	11,718	7,513	5,533	7,584	10,156	11,333	389,65
6,650	11,368	8,544	4,716	7,656	9,874	11,193	389,7
8,189	11,438	10,427	5,036	7,080	9,839	11,017	389,75
7,724	10,948	11,209	4,751	8,197	9,733	10,912	389,8
7,974	10,247	11,813	4,148	7,873	9,909	10,982	389,85
8,511	9,336	11,351	3,615	7,008	9,909	11,052	389,9
8,153	9,231	10,001	5,391	6,864	10,050	11,087	389,95

7,938	10,737	8,970	5,320	6,972	10,015	11,158	390
7,652	9,722	9,574	6,776	7,656	9,874	11,298	390,05
7,473	11,088	9,823	8,338	8,125	9,768	11,369	390,1
7,294	10,107	10,925	8,693	6,828	9,945	11,439	390,15
7,115	11,648	9,219	8,338	7,224	10,121	11,439	390,2
7,652	12,209	8,899	7,806	8,629	9,945	11,439	390,25
8,081	11,263	8,188	7,912	9,350	9,980	11,404	390,3
7,330	11,018	8,011	8,764	8,810	10,192	11,369	390,35
7,080	10,142	6,589	8,658	9,819	10,192	11,439	390,4
7,759	9,722	6,589	8,800	10,684	10,192	11,439	390,45
7,151	10,317	6,731	9,333	10,756	10,262	11,544	390,5
7,223	11,193	8,153	8,658	10,720	10,156	11,650	390,55
7,437	10,808	8,935	7,379	10,179	10,121	11,755	390,6
7,223	10,457	10,747	6,776	8,810	10,086	11,755	390,65
7,902	10,562	9,645	6,527	7,801	10,192	11,755	390,7
7,509	10,913	9,717	5,355	8,413	10,192	11,650	390,75
7,974	11,018	9,574	5,923	7,729	9,909	11,579	390,8
7,867	11,718	9,503	8,338	7,981	9,451	11,544	390,85
7,867	13,190	8,508	8,196	8,017	9,133	11,544	390,9
7,938	11,788	7,051	8,267	7,873	8,710	11,509	390,95
7,187	11,123	6,127	7,841	8,593	8,604	11,544	391
8,689	10,212	5,772	6,847	8,918	8,710	11,579	391,05
7,366	10,527	5,878	7,060	8,665	8,745	11,615	391,1
6,865	9,687	6,980	6,563	8,161	8,780	11,685	391,15
6,937	10,527	10,072	6,385	9,170	8,851	11,720	391,2
7,044	11,123	12,169	4,325	8,593	8,780	11,826	391,25
6,543	12,139	13,768	2,798	8,377	8,816	11,720	391,3
6,722	11,333	13,768	5,391	8,846	8,992	11,720	391,35
7,294	10,632	12,275	3,260	8,341	9,204	11,509	391,4
6,758	11,088	11,671	6,563	8,449	9,415	11,439	391,45
7,330	10,772	10,214	10,540	7,801	9,415	11,263	391,5
7,294	10,002	10,285	9,759	7,620	9,556	11,158	391,55
7,437	10,492	9,894	10,114	8,485	9,592	11,087	391,6
7,938	10,562	8,757	12,316	8,521	9,627	11,193	391,65
7,688	9,967	8,366	11,144	8,017	9,521	11,158	391,7
7,473	9,722	9,112	9,581	7,801	9,310	11,228	391,75
7,187	10,878	9,894	9,190	7,332	8,992	11,439	391,8
6,829	11,088	9,006	7,841	8,233	9,098	11,439	391,85
6,937	10,878	8,899	6,669	6,972	9,345	11,439	391,9
7,652	11,753	8,046	6,456	7,080	9,627	11,228	391,95
7,151	12,104	7,869	6,278	7,801	9,415	11,369	392
7,294	11,368	7,513	7,237	7,801	9,098	11,369	392,05
7,259	10,527	7,051	6,989	8,233	9,345	11,158	392,1
7,509	10,808	6,340	6,669	7,729	9,063	11,052	392,15
7,867	10,948	7,513	6,456	7,512	9,063	11,087	392,2
7,402	11,018	10,569	5,107	8,089	9,133	11,017	392,25
7,759	10,422	12,062	5,639	7,656	9,133	11,122	392,3
7,473	11,298	13,022	5,355	7,476	9,592	11,158	392,35
7,724	10,772	12,559	5,462	7,729	10,121	10,912	392,4
7,652	9,827	11,849	4,290	7,440	10,368	11,263	392,45
7,759	10,352	11,920	6,989	6,828	10,403	11,369	392,5
7,008	9,722	10,889	10,220	5,674	9,768	11,298	392,55
6,865	9,897	10,072	12,884	6,035	10,156	11,474	392,6
6,794	11,053	9,645	11,712	6,936	10,192	11,263	392,65
7,223	11,228	8,402	11,463	6,792	10,050	11,158	392,7

7,187	11,438	8,331	11,641	7,620	9,980	10,876	392,75
7,759	10,667	7,940	11,534	8,918	9,980	10,736	392,8
8,224	9,827	6,802	11,250	10,467	9,698	10,525	392,85
8,654	9,932	6,518	10,327	10,287	9,521	10,314	392,9
7,974	10,002	6,660	10,114	10,431	9,310	10,173	392,95
7,581	11,368	6,873	9,972	8,882	9,733	10,244	393
7,724	10,808	6,660	8,835	9,638	9,839	10,525	393,05
7,974	10,667	7,513	8,622	8,485	9,909	10,806	393,1
7,831	11,508	7,798	8,303	9,891	9,839	11,017	393,15
7,044	12,629	6,056	6,776	7,548	9,733	11,087	393,2
7,187	13,610	7,442	6,811	7,548	9,698	10,947	393,25
6,865	12,769	6,980	6,527	7,873	9,909	10,771	393,3
6,722	13,505	6,660	6,420	7,008	9,839	10,525	393,35
6,937	13,330	6,447	5,320	7,656	9,874	10,314	393,4
7,044	12,909	8,153	4,290	5,927	9,839	10,314	393,45
7,581	12,279	7,798	5,142	3,873	9,768	10,384	393,5
7,151	10,913	9,255	4,325	8,161	9,733	10,349	393,55
7,294	10,948	11,280	5,355	8,089	9,980	10,349	393,6
7,330	10,808	11,778	2,727	7,332	9,839	10,525	393,65
7,259	9,652	12,062	5,071	7,873	9,733	10,665	393,7
7,581	9,827	12,915	5,426	7,512	9,451	10,736	393,75
8,010	9,126	13,093	6,101	7,440	9,627	10,806	393,8
7,581	9,266	13,555	6,634	8,125	9,909	10,876	393,85
7,294	8,671	12,879	8,516	8,521	10,333	10,736	393,9
7,724	8,391	11,742	8,800	8,521	9,662	10,736	393,95
7,688	10,387	11,493	9,475	8,774	9,486	10,806	394
7,223	10,772	11,316	10,256	9,062	9,627	10,701	394,05
7,509	11,193	9,788	12,032	8,990	10,015	10,771	394,1
7,581	11,088	9,148	12,032	9,747	10,015	10,736	394,15
7,938	11,298	9,503	10,824	10,287	9,698	11,052	394,2
8,260	11,193	9,006	10,824	9,566	9,768	10,876	394,25
7,795	10,352	7,513	10,611	10,359	9,803	10,841	394,3
7,294	11,508	7,264	10,505	10,828	9,909	11,087	394,35
7,437	10,808	6,021	9,794	9,747	9,945	11,228	394,4
7,581	11,508	4,955	9,901	11,801	9,909	11,333	394,45
7,616	11,158	6,518	9,368	11,008	9,874	11,369	394,5
7,831	12,174	6,873	8,516	10,612	9,415	11,193	394,55
7,294	11,928	6,767	7,912	9,783	9,168	11,193	394,6
7,795	12,069	7,122	8,090	7,332	9,168	11,087	394,65
7,616	11,298	7,513	8,303	6,431	9,204	11,122	394,7
7,902	10,597	7,584	5,959	6,828	9,239	10,912	394,75
7,759	10,702	8,082	5,071	8,593	8,851	10,876	394,8
7,652	10,667	9,148	4,787	7,296	9,168	10,876	394,85
7,294	11,683	10,107	4,574	7,152	9,063	11,122	394,9
7,581	11,508	10,356	4,254	7,620	9,274	10,947	394,95
7,795	11,508	9,681	4,716	8,233	9,486	11,087	395
7,473	11,298	8,899	4,751	8,017	9,909	11,298	395,05
7,581	10,527	8,224	6,492	8,269	9,839	11,158	395,1
7,724	11,053	8,260	6,598	8,701	9,662	11,298	395,15
7,509	11,578	8,579	8,054	7,945	9,839	11,193	395,2
7,974	11,158	8,935	6,207	8,954	9,698	11,193	395,25
7,402	10,808	10,676	6,953	8,017	9,698	11,122	395,3
6,937	10,843	10,605	6,847	8,089	9,415	11,052	395,35
7,044	11,298	10,107	6,101	8,305	9,310	10,841	395,4
7,008	11,718	8,970	5,320	8,017	9,274	10,771	395,45

7,509	10,772	8,864	5,107	9,026	9,310	10,947	395,5
7,437	11,508	8,473	6,492	9,242	9,486	11,122	395,55
7,652	11,228	8,260	7,557	10,395	9,592	11,158	395,6
7,581	10,808	8,153	7,770	10,251	9,698	11,193	395,65
6,758	10,387	8,793	7,095	10,359	10,050	11,087	395,7
7,008	11,263	9,361	7,344	10,395	10,192	11,017	395,75
7,008	11,158	9,610	6,563	9,602	10,192	10,947	395,8
6,937	11,263	9,752	6,101	8,377	9,980	10,947	395,85
8,725	10,808	12,844	6,563	7,080	9,592	10,876	395,9
7,294	10,878	12,631	6,385	8,017	9,451	10,806	395,95
7,294	10,808	11,849	7,841	7,260	9,768	10,806	396
8,046	9,827	11,635	7,628	7,332	9,909	10,912	396,05
7,509	10,037	10,712	7,735	6,647	10,262	10,912	396,1
6,829	9,547	10,356	9,794	6,143	10,262	10,876	396,15
7,080	9,932	10,143	10,007	7,224	10,192	10,876	396,2
7,545	11,088	9,717	10,789	6,647	10,121	10,947	396,25
7,080	11,053	8,935	9,723	6,503	10,192	11,017	396,3
7,044	11,928	8,615	8,906	6,792	10,227	11,017	396,35
6,686	10,597	8,153	8,835	8,341	10,192	11,017	396,4
6,937	10,492	8,366	8,871	8,485	10,333	10,876	396,45
6,722	9,722	7,655	8,516	7,873	10,297	10,841	396,5
7,008	11,018	7,122	7,735	7,260	10,368	10,841	396,55
7,867	10,597	7,122	7,486	9,494	10,262	10,912	396,6
7,652	11,508	7,726	8,090	8,017	10,650	10,982	396,65
7,902	11,648	8,935	7,344	9,062	10,791	10,982	396,7
7,759	11,193	7,726	7,486	7,620	10,615	10,947	396,75
7,867	11,123	7,371	7,273	8,485	10,474	10,982	396,8
8,224	11,963	6,483	5,710	7,008	10,262	11,017	396,85
7,509	11,998	6,305	6,882	7,332	10,192	11,052	396,9
7,187	11,403	7,051	6,776	7,044	10,474	11,017	396,95
7,223	12,279	7,655	6,136	8,629	10,580	10,912	397
6,794	12,279	7,798	5,000	7,584	10,580	10,876	397,05
7,509	12,104	8,260	4,751	8,377	10,262	10,876	397,1
7,008	12,209	8,437	5,639	8,521	9,980	10,841	397,15
6,972	11,858	9,539	6,101	8,774	9,592	10,806	397,2
7,294	11,053	9,965	5,852	8,557	9,239	10,876	397,25
7,366	11,438	10,712	5,710	9,711	8,921	10,876	397,3
7,437	10,002	10,889	5,959	8,918	8,921	10,947	397,35
7,223	9,652	11,102	5,462	8,701	8,992	11,017	397,4
7,366	10,107	9,930	6,207	8,197	8,745	11,158	397,45
7,652	8,706	9,574	5,959	7,945	9,063	11,122	397,5
7,151	8,321	9,539	6,420	7,801	8,886	11,122	397,55
7,902	9,091	10,285	7,131	7,801	8,780	11,158	397,6
7,223	8,671	10,640	8,303	7,873	9,098	11,017	397,65
7,724	8,846	10,107	8,374	7,873	8,286	10,947	397,7
7,259	10,457	8,935	7,557	8,449	8,569	10,841	397,75
7,008	10,843	9,148	7,273	7,584	8,710	10,912	397,8
8,046	10,352	8,473	8,090	7,008	8,851	10,947	397,85
7,080	10,737	7,691	9,262	7,909	9,133	11,017	397,9
6,972	11,473	6,660	9,404	7,260	9,451	11,017	397,95
7,330	10,878	6,696	9,190	8,954	9,874	11,087	398
7,008	12,209	5,772	8,196	9,098	9,909	11,158	398,05
7,581	12,069	6,447	8,516	9,278	10,121	11,298	398,1
7,115	11,648	6,945	7,557	9,819	10,262	11,439	398,15
7,187	11,368	7,584	7,592	9,530	10,615	11,579	398,2

7,223	11,718	7,869	6,669	9,062	11,003	11,720	398,25
6,865	10,808	8,473	6,776	8,665	11,109	11,544	398,3
6,007	11,123	8,331	5,178	8,089	10,897	11,439	398,35
6,507	10,772	8,437	4,183	8,089	10,050	11,369	398,4
6,650	10,878	9,610	4,751	7,945	9,204	11,298	398,45
6,972	10,387	8,473	4,929	7,801	8,921	11,228	398,5
7,115	11,018	9,930	4,041	8,269	9,486	11,228	398,55
7,366	10,457	9,717	4,396	7,620	9,415	11,298	398,6
7,724	10,667	10,498	5,249	7,008	9,310	11,439	398,65
7,509	9,967	9,717	4,538	7,080	9,239	11,509	398,7
7,008	9,582	9,823	5,355	8,089	9,345	11,439	398,75
7,187	9,406	9,645	5,142	8,377	9,486	11,369	398,8
8,224	9,687	9,255	6,349	8,593	9,803	11,017	398,85
7,366	9,897	9,112	9,546	8,629	9,980	10,841	398,9
7,402	10,737	8,260	9,262	9,134	10,050	10,665	398,95
7,008	11,998	8,153	8,906	11,152	10,156	10,665	399
7,115	12,559	7,940	9,297	8,990	9,768	10,876	399,05
6,722	11,648	7,335	9,794	10,323	9,874	11,087	399,1
6,865	11,333	7,940	9,048	9,747	9,698	11,228	399,15
6,758	10,808	6,234	8,054	10,359	9,909	11,263	399,2
7,151	10,247	6,234	8,516	11,512	9,768	11,228	399,25
7,366	10,527	6,447	8,019	10,467	10,050	11,369	399,3
6,615	10,177	7,549	8,232	8,738	10,192	11,017	399,35
6,972	9,827	9,219	6,278	8,341	10,227	10,490	399,4
6,507	8,881	10,427	6,492	8,089	10,333	10,314	399,45
6,758	8,040	10,960	4,822	7,656	10,121	10,419	399,5
7,080	8,811	10,001	5,497	8,485	9,980	10,701	399,55
6,937	9,617	10,996	6,563	8,305	10,050	10,701	399,6
7,115	9,862	11,245	5,391	8,413	10,121	10,701	399,65
6,865	10,457	11,102	7,699	7,548	9,945	10,771	399,7
6,901	10,282	10,321	8,800	8,377	9,909	10,841	399,75
7,223	10,107	9,041	9,830	7,873	9,945	10,771	399,8
6,722	10,808	7,655	10,505	7,008	10,580	10,771	399,85
6,364	10,247	7,975	9,333	7,080	11,074	10,876	399,9
6,865	10,948	6,731	9,297	6,611	10,474	10,982	399,95
6,722	11,508	6,127	9,972	7,044	10,439	10,912	400
7,330	11,648	6,589	9,475	7,584	10,403	10,876	400,05
7,759	10,878	5,878	8,480	7,368	10,544	10,454	400,1
7,437	10,317	5,736	8,480	7,729	10,439	10,736	400,15
6,901	10,002	4,173	8,800	7,909	10,262	10,841	400,2
6,722	9,687	5,168	8,090	8,269	10,262	10,595	400,25
6,650	9,476	8,011	7,060	8,846	10,156	10,595	400,3

6,650	10,737	6,980	7,912	7,080	10,827	11,579	244,25
7,473	13,400	6,838	8,480	8,593	10,756	11,509	244,3
7,581	16,727	5,630	7,806	7,729	10,756	11,474	244,35
7,652	14,871	5,736	8,409	7,260	10,403	11,439	244,4
6,400	13,890	5,736	6,314	6,792	10,403	11,439	244,45
7,366	11,963	6,518	6,527	8,882	10,121	11,439	244,5
6,436	11,088	7,975	5,391	8,521	10,156	11,439	244,55
7,080	10,808	8,260	4,574	8,701	10,015	11,439	244,6
6,972	10,562	9,148	3,047	8,882	9,874	11,439	244,65
6,722	9,547	9,503	1,733	9,458	9,768	11,439	244,7
7,545	8,986	9,788	0,490	8,089	9,768	11,333	244,75
7,437	8,145	8,295	4,219	7,656	9,839	11,263	244,8
7,509	8,286	9,539	6,705	8,341	9,909	11,298	244,85
9,226	9,056	12,453	6,207	7,656	9,945	11,298	244,9
8,010	8,356	12,062	6,207	7,224	9,909	11,298	244,95
8,081	8,951	11,493	8,693	8,233	9,980	11,263	245
6,829	10,808	11,209	10,753	7,837	9,980	11,158	245,05
7,294	9,862	10,107	10,327	6,575	10,192	11,017	245,1
7,294	9,021	9,361	11,605	7,981	10,192	10,876	245,15
7,437	8,601	7,300	10,007	8,449	10,086	10,736	245,2
7,080	10,737	8,082	9,333	8,197	10,544	10,701	245,25
7,509	11,928	6,945	9,262	8,377	10,403	10,701	245,3
7,509	11,508	5,061	9,262	8,197	10,262	10,736	245,35
6,865	9,932	5,381	8,054	7,765	10,368	10,771	245,4
6,436	10,177	3,569	8,729	8,341	10,262	10,771	245,45
6,615	10,107	2,964	8,338	8,305	10,121	10,841	245,5
7,187	11,298	3,249	7,912	7,620	10,333	10,876	245,55
7,724	9,687	5,274	7,806	6,431	10,227	10,876	245,6
7,330	11,298	5,807	7,202	7,080	10,721	10,841	245,65
7,080	10,177	6,909	3,722	7,080	10,262	10,595	245,7
6,472	10,177	6,305	3,579	8,089	10,368	10,630	245,75
7,187	11,193	6,127	4,609	7,801	10,156	10,665	245,8
7,008	10,002	6,625	4,432	7,656	10,015	10,806	245,85
6,794	11,683	5,274	4,787	7,404	9,909	10,876	245,9
6,472	12,279	3,960	4,219	7,729	9,803	11,052	245,95
6,722	12,559	6,447	4,787	7,909	9,592	11,158	246
5,899	12,244	6,305	5,071	6,828	9,451	11,158	246,05
5,899	11,298	7,513	4,112	8,269	9,380	11,122	246,1
6,293	11,403	8,686	2,372	9,963	9,168	10,947	246,15
6,507	11,088	9,503	2,763	8,449	9,415	10,771	246,2
6,722	10,142	9,290	1,555	9,530	9,592	10,736	246,25
7,151	9,441	9,539	5,994	10,179	9,592	10,806	246,3
7,330	8,986	9,255	5,213	9,458	9,345	10,876	246,35
6,543	8,075	10,498	7,877	9,566	9,133	10,912	246,4
6,722	8,531	13,555	6,776	8,629	9,098	10,876	246,45
6,722	9,161	13,910	5,994	9,134	9,274	10,912	246,5
6,794	8,636	11,635	6,492	9,783	9,204	10,912	246,55
6,078	10,212	10,107	6,314	11,188	8,604	10,841	246,6
7,259	10,562	9,574	6,776	11,440	8,780	10,665	246,65
7,008	11,403	9,397	9,901	11,873	8,992	10,595	246,7
6,722	10,352	8,899	9,226	11,837	9,310	10,454	246,75
7,473	10,527	9,219	10,362	11,945	9,486	10,454	246,8
6,794	9,582	8,153	9,794	10,503	9,345	10,454	246,85
6,829	9,792	7,229	9,865	11,224	9,521	10,560	246,9
7,187	9,897	6,945	9,119	10,503	9,556	10,525	246,95

6,865	10,387	5,950	9,439	10,107	9,592	10,595	247
6,579	10,247	4,812	7,912	10,107	9,627	10,630	247,05
6,615	10,387	7,087	8,125	9,566	9,874	10,630	247,1
7,115	12,839	6,802	5,568	9,855	9,945	10,595	247,15
7,008	12,384	6,625	6,918	10,431	9,909	10,560	247,2
6,650	12,139	6,589	5,533	11,224	9,909	10,560	247,25
7,473	11,368	8,082	6,918	10,972	10,086	10,595	247,3
6,865	11,018	7,726	5,426	8,161	10,192	10,595	247,35
6,257	10,808	7,300	5,994	6,936	10,050	10,665	247,4
6,293	10,352	8,793	6,385	7,584	9,945	10,665	247,45
6,364	10,212	9,503	6,385	8,629	9,909	10,701	247,5
6,579	10,212	12,986	5,994	7,909	9,909	10,701	247,55
6,686	10,212	11,671	5,781	7,801	9,980	10,630	247,6
7,223	11,088	12,737	4,858	8,810	10,156	10,560	247,65
7,581	10,527	11,600	4,254	8,377	10,262	10,595	247,7
7,080	9,827	10,889	8,835	7,945	10,333	10,595	247,75
7,044	9,301	10,712	6,456	7,656	10,509	10,665	247,8
7,187	9,056	9,539	6,811	7,584	10,156	10,701	247,85
7,223	8,531	10,285	7,806	7,368	10,262	10,736	247,9
6,865	8,426	11,564	7,948	9,350	10,615	10,736	247,95
6,722	10,527	11,316	8,693	8,449	10,474	10,665	248
7,366	10,282	10,498	7,450	7,873	10,333	10,630	248,05
6,579	10,247	10,001	11,037	8,665	10,227	10,630	248,1
6,901	10,808	8,757	10,753	7,801	10,439	10,560	248,15
6,865	10,212	8,579	11,463	6,611	10,403	10,595	248,2
6,364	10,597	7,798	13,097	6,647	10,227	10,665	248,25
7,044	9,862	6,340	11,747	6,756	10,368	10,701	248,3
7,187	9,091	5,736	11,286	5,314	10,474	10,630	248,35
7,545	9,897	4,635	9,901	5,855	10,262	10,595	248,4
7,724	10,002	5,914	9,190	5,746	9,945	10,525	248,45
6,829	10,142	7,798	9,865	4,125	10,086	10,525	248,5
7,008	11,123	6,909	10,576	4,017	10,156	10,630	248,55
7,044	11,578	6,767	9,475	4,449	10,368	10,771	248,6
7,724	12,139	5,630	9,936	5,999	10,544	10,841	248,65
7,437	11,508	3,604	9,333	6,647	10,544	10,876	248,7
7,473	11,018	6,163	7,699	6,395	10,403	10,806	248,75
7,402	11,368	6,305	6,598	6,539	10,297	10,806	248,8
7,795	11,753	6,873	5,497	7,368	10,333	10,736	248,85
6,758	10,527	7,371	4,503	7,692	10,262	10,701	248,9
6,972	10,282	9,077	3,651	7,584	10,192	10,736	248,95
6,686	10,843	9,788	4,361	8,161	10,050	10,736	249
6,400	9,687	9,255	3,508	7,656	10,192	10,771	249,05
7,008	8,986	8,864	0,845	9,062	10,297	10,806	249,1
6,686	10,002	9,503	3,970	9,278	10,262	10,912	249,15
7,080	10,527	10,321	5,462	9,602	10,333	11,052	249,2
6,364	11,928	10,321	7,202	9,386	10,297	11,122	249,25
7,080	12,839	10,427	8,729	9,098	10,227	11,158	249,3
6,937	10,317	8,650	6,705	7,873	10,192	11,087	249,35
6,758	9,582	8,046	5,284	8,593	10,192	10,947	249,4
6,650	9,652	7,442	6,136	9,386	10,192	10,876	249,45
7,151	8,706	6,340	7,948	9,602	10,333	10,736	249,5
6,650	9,056	6,767	7,628	8,593	10,262	10,736	249,55
6,150	8,180	7,335	6,740	9,098	10,333	10,876	249,6
6,150	9,862	12,666	5,994	9,963	10,262	11,017	249,65
6,758	9,757	13,803	4,538	9,242	10,227	11,087	249,7

6,722	10,037	12,026	4,503	8,882	10,227	11,017	249,75
6,865	10,913	9,006	2,585	8,197	10,156	10,947	249,8
7,187	10,107	9,148	4,929	8,846	10,050	10,841	249,85
6,686	9,266	8,402	7,131	10,251	10,086	10,736	249,9
6,507	9,722	7,798	8,409	9,963	10,156	10,771	249,95
6,185	11,088	7,513	12,245	9,711	10,192	10,736	250
6,650	10,422	7,726	10,505	8,341	10,262	10,736	250,05
6,794	10,597	6,589	10,007	8,197	10,192	10,876	250,1
5,971	11,228	7,584	9,262	8,990	10,333	10,912	250,15
6,293	10,948	8,650	8,800	9,134	10,333	10,947	250,2
6,615	11,053	8,011	7,948	8,485	10,368	10,947	250,25
6,257	10,212	7,726	6,172	8,882	10,474	11,017	250,3
6,650	9,932	7,549	5,462	7,873	10,474	11,052	250,35
6,722	11,368	7,584	4,503	7,620	10,262	11,052	250,4
6,615	10,597	6,483	5,462	7,981	10,262	11,017	250,45
6,579	10,317	8,082	4,325	8,521	10,262	11,017	250,5
6,436	9,967	10,960	4,538	7,620	10,121	11,052	250,55
6,328	10,878	10,427	4,680	5,855	10,121	11,087	250,6
6,579	11,053	8,935	3,366	5,999	10,262	11,193	250,65
6,150	10,177	8,473	3,864	7,080	10,474	11,193	250,7
6,615	10,247	8,117	4,219	8,053	10,192	11,228	250,75
6,615	9,547	7,229	6,314	8,233	10,403	11,228	250,8
6,114	10,037	7,158	6,492	7,945	10,439	11,228	250,85
6,543	11,053	7,513	3,828	7,765	10,509	11,263	250,9
6,507	11,438	8,153	5,710	7,692	10,615	11,369	250,95
7,187	11,718	9,077	4,929	7,945	10,756	11,439	251
6,579	11,823	11,316	4,574	7,837	10,721	11,509	251,05
6,758	11,088	10,072	5,142	8,954	10,509	11,509	251,1
7,044	11,263	10,072	5,639	10,684	10,333	11,474	251,15
6,865	10,247	8,935	5,320	5,782	10,262	11,369	251,2
6,722	10,247	8,260	5,994	8,738	10,262	11,263	251,25
6,472	10,667	9,503	4,858	8,810	10,403	11,193	251,3
6,579	10,983	9,574	7,202	9,458	10,580	11,228	251,35
6,722	9,266	8,722	9,048	9,927	10,686	11,333	251,4
6,507	8,741	8,757	7,344	10,648	10,721	11,509	251,45
6,150	10,597	8,366	8,480	10,323	10,686	11,650	251,5
7,151	9,476	8,366	8,090	10,936	10,615	11,755	251,55
7,115	11,088	8,366	6,776	11,116	10,439	11,720	251,6
7,080	12,104	7,691	7,166	9,602	10,227	11,615	251,65
6,364	10,527	8,153	7,486	9,530	10,333	11,474	251,7
6,829	10,107	7,975	8,267	9,566	10,333	11,333	251,75
7,080	9,266	7,940	7,806	8,990	10,121	11,228	251,8
7,294	9,862	5,807	7,628	9,350	10,474	11,298	251,85
6,937	10,527	5,772	6,527	9,711	10,791	11,298	251,9
6,937	10,247	5,985	6,420	9,206	10,121	11,369	251,95
7,008	9,336	7,442	8,835	8,665	10,474	11,439	252
6,579	9,406	6,802	6,598	9,242	10,403	11,579	252,05
6,579	9,056	6,731	6,705	8,882	10,368	11,685	252,1
6,686	10,422	6,127	6,314	9,242	10,262	11,685	252,15
6,436	10,282	6,696	5,604	8,557	10,297	11,720	252,2
6,615	10,983	9,717	5,355	10,035	10,192	11,650	252,25
7,473	10,002	9,397	4,893	10,143	10,050	11,474	252,3
6,650	9,652	8,864	4,041	9,026	9,839	11,369	252,35
6,686	9,161	7,869	3,722	8,846	9,909	11,228	252,4
6,722	8,671	8,153	2,976	9,386	9,874	11,298	252,45

6,436	7,585	8,579	7,202	10,179	9,909	11,439	252,5
6,794	8,986	8,793	8,125	9,530	9,662	11,544	252,55
6,472	9,617	9,183	7,806	8,377	9,592	11,579	252,6
7,151	11,473	8,864	6,847	8,305	10,262	11,720	252,65
7,044	10,597	7,798	6,669	8,593	10,580	11,790	252,7
7,294	10,072	7,798	6,492	8,197	9,909	11,861	252,75
7,724	9,371	6,767	6,918	8,017	9,980	11,931	252,8
7,437	9,652	6,625	7,166	8,197	9,521	11,790	252,85
7,795	10,037	7,549	6,776	8,377	9,521	11,615	252,9
7,080	9,827	7,335	7,948	8,810	9,556	11,439	252,95
6,794	10,808	8,899	6,740	8,341	9,168	11,404	253
6,185	10,527	8,650	6,918	8,774	8,392	11,439	253,05
7,294	11,228	8,117	6,740	9,242	8,886	11,509	253,1
6,722	11,683	8,828	4,432	10,179	9,063	11,579	253,15
6,722	11,858	7,833	6,314	9,350	9,698	11,720	253,2
6,972	11,648	8,117	6,492	8,089	9,662	11,720	253,25
6,436	9,967	8,295	4,822	6,647	9,204	11,861	253,3
6,650	10,247	7,122	5,036	7,368	10,156	11,861	253,35
6,865	9,511	7,478	4,432	7,548	10,721	11,650	253,4
7,223	10,667	8,793	5,817	7,620	10,403	11,439	253,45
7,008	10,142	9,503	6,420	8,882	10,121	11,228	253,5
6,829	9,932	10,712	7,486	8,413	9,909	11,017	253,55
6,042	9,687	10,889	6,420	8,233	9,063	10,947	253,6
6,507	10,072	10,356	6,385	8,521	9,486	11,017	253,65
6,829	11,088	9,397	7,592	7,729	8,921	11,052	253,7
6,221	10,808	8,686	7,166	9,747	9,486	11,158	253,75
6,722	10,457	7,798	7,592	7,729	9,310	11,298	253,8
7,938	10,772	7,335	7,486	8,089	9,239	11,298	253,85
7,724	10,667	7,691	8,800	8,017	9,274	11,298	253,9
7,581	11,018	6,802	7,948	8,665	9,168	11,158	253,95
7,259	9,792	6,163	8,409	8,629	8,921	11,052	254
6,865	9,897	6,838	7,450	8,810	8,886	10,912	254,05
6,794	11,053	6,838	7,095	7,224	8,921	10,806	254,1
7,008	11,928	7,122	7,308	7,224	8,992	10,736	254,15
6,436	11,963	7,264	5,710	7,332	9,204	10,806	254,2
6,722	12,209	7,229	5,178	8,017	9,662	10,806	254,25
7,259	11,648	7,158	4,467	7,729	9,556	10,806	254,3
6,436	11,158	7,442	4,467	7,440	9,803	10,876	254,35
6,901	11,018	7,087	3,579	6,900	10,086	10,947	254,4
7,366	10,247	7,193	4,006	6,792	10,050	11,017	254,45
7,473	10,702	8,153	3,864	4,881	10,227	10,982	254,5
6,722	10,107	9,006	5,675	5,458	9,909	10,982	254,55
7,330	10,212	9,645	4,609	6,936	10,297	10,947	254,6
6,972	10,387	7,051	4,751	9,494	9,768	10,876	254,65
6,901	9,617	9,290	5,710	9,422	9,627	10,806	254,7
7,652	9,652	9,574	5,781	8,125	9,768	10,806	254,75
7,223	10,247	10,285	7,877	8,954	9,556	10,736	254,8
7,223	9,582	7,655	7,663	7,801	9,451	10,736	254,85
7,008	10,317	7,193	8,658	7,945	9,063	10,876	254,9
7,294	10,702	7,335	8,409	8,089	8,921	10,876	254,95
7,509	10,527	7,371	8,764	7,801	9,239	10,841	255
7,187	11,228	6,767	8,764	7,584	9,698	10,701	255,05
7,831	10,772	7,371	8,090	7,945	9,345	10,665	255,1
7,724	11,018	5,594	7,486	7,945	9,521	10,665	255,15
6,579	10,422	6,518	8,267	7,620	10,192	10,630	255,2

6,615	10,387	6,340	7,344	7,224	10,580	10,595	255,25
6,865	10,247	6,340	6,776	7,332	10,897	10,595	255,3
6,364	11,228	7,016	6,776	7,296	10,932	10,560	255,35
6,758	11,753	8,935	6,349	8,017	10,862	10,595	255,4
8,153	12,699	9,006	5,355	7,801	10,862	10,630	255,45
6,972	13,119	8,793	3,508	7,620	10,615	10,701	255,5
7,294	11,438	7,798	3,935	7,945	10,333	10,806	255,55
6,901	10,878	7,371	3,970	8,197	10,121	10,771	255,6
6,758	10,072	6,945	5,249	6,431	10,050	10,736	255,65
7,437	10,037	6,518	5,178	6,143	9,909	10,701	255,7
7,151	9,336	9,006	6,065	6,575	9,980	10,665	255,75
7,080	9,406	7,193	5,781	7,440	9,345	10,665	255,8
6,472	10,352	11,280	4,893	7,765	8,675	10,736	255,85
7,115	9,476	13,626	5,568	7,512	8,780	10,771	255,9
6,794	10,247	13,839	5,178	8,665	9,168	10,736	255,95
7,044	10,037	12,453	4,858	8,810	9,098	10,806	256
6,937	10,177	11,138	9,333	8,738	9,380	10,841	256,05
6,794	10,597	12,346	10,043	8,701	9,592	10,806	256,1
7,008	9,582	11,067	11,534	9,242	9,556	10,841	256,15
7,080	10,247	9,788	10,327	8,701	9,486	10,876	256,2
7,223	9,476	8,011	12,777	8,485	9,204	10,912	256,25
7,330	10,387	7,087	12,600	8,377	9,556	10,876	256,3
7,187	10,002	8,011	11,357	7,656	9,380	10,806	256,35
7,151	9,827	8,011	10,469	7,801	9,592	10,736	256,4
7,724	9,757	7,407	10,078	7,620	9,627	10,771	256,45
7,616	11,018	6,660	12,671	7,801	10,050	10,771	256,5
6,794	12,419	6,447	9,297	8,089	9,909	10,806	256,55
6,400	11,578	6,518	7,948	8,377	10,050	10,841	256,6
7,044	11,368	5,594	8,019	6,035	10,403	10,841	256,65
7,724	11,368	5,203	6,811	7,260	9,980	10,876	256,7
7,867	10,772	4,955	7,806	7,224	9,803	10,912	256,75
7,616	11,088	5,985	5,888	7,080	9,980	11,017	256,8
6,937	10,527	8,188	6,136	7,224	9,945	11,158	256,85
7,187	9,792	9,965	4,858	6,359	9,980	11,087	256,9
6,758	10,037	9,930	4,751	8,161	9,627	10,912	256,95
6,650	11,263	9,432	6,065	7,729	9,627	10,876	257
6,865	11,228	8,650	5,426	7,188	9,909	10,736	257,05
6,758	12,769	8,402	5,178	6,575	10,227	10,736	257,1
7,330	12,909	8,260	6,705	8,485	10,015	10,736	257,15
6,937	12,559	7,655	5,355	8,017	9,874	10,701	257,2
7,902	11,753	8,508	5,497	8,233	9,486	10,841	257,25
7,795	10,702	7,087	6,527	7,548	9,486	11,052	257,3
8,010	10,492	6,340	7,273	8,449	9,768	11,228	257,35
7,724	9,617	6,483	7,273	9,350	10,015	11,298	257,4
7,330	9,091	8,722	7,912	10,071	10,156	11,193	257,45
7,151	8,706	11,351	6,776	10,828	9,733	11,087	257,5
7,259	9,056	12,346	5,923	10,900	9,345	10,947	257,55
7,080	10,072	13,484	6,349	10,648	8,921	10,876	257,6
7,652	10,072	10,818	5,710	10,179	8,921	10,701	257,65
7,294	11,263	9,503	6,669	9,566	9,345	10,595	257,7
7,151	11,648	9,255	8,480	9,458	9,063	10,595	257,75
7,259	10,702	9,290	9,190	9,458	8,780	10,806	257,8
6,650	10,457	9,077	10,540	9,458	8,921	11,052	257,85
6,722	10,632	6,838	9,936	8,701	9,098	11,158	257,9
6,650	11,053	5,878	9,546	8,233	8,675	11,122	257,95

7,008	12,524	4,919	9,155	9,314	8,780	10,947	258
7,044	12,909	5,310	7,735	9,314	9,133	10,736	258,05
8,010	12,839	8,650	7,166	8,810	8,921	10,630	258,1
7,938	12,314	8,686	5,994	8,665	9,204	10,665	258,15
7,867	11,753	7,016	5,284	8,954	8,816	10,736	258,2
7,616	10,597	5,203	6,669	10,251	8,957	10,876	258,25
7,437	11,088	4,741	5,888	8,810	8,780	11,158	258,3
7,294	9,266	11,280	6,705	8,738	9,063	11,298	258,35
7,044	9,056	12,417	4,290	9,386	9,063	11,333	258,4
7,545	10,177	11,955	3,579	8,449	9,239	11,369	258,45
8,046	9,792	11,351	2,088	8,990	9,415	11,439	258,5
7,795	8,951	10,356	6,705	8,882	9,627	11,509	258,55
7,294	8,215	10,285	8,409	9,062	9,803	11,755	258,6
7,151	8,846	10,925	12,529	8,701	9,627	11,931	258,65
6,364	9,547	10,285	9,048	9,891	9,945	11,861	258,7
7,080	11,158	10,321	9,617	8,810	9,980	11,509	258,75
6,794	13,119	9,219	10,895	9,098	9,909	11,790	258,8
7,080	13,435	8,011	10,540	8,665	10,015	11,439	258,85
8,046	12,769	6,802	10,682	9,170	9,909	11,369	258,9
7,652	11,753	7,229	9,865	8,990	10,050	11,193	258,95
7,115	11,333	6,945	9,439	9,098	9,980	11,122	259
7,867	9,441	4,812	7,983	8,990	9,980	11,052	259,05
7,867	9,617	4,706	8,480	8,774	9,980	10,876	259,1
8,475	9,056	4,706	9,333	8,774	9,768	10,876	259,15
7,509	8,811	5,985	6,207	8,377	9,662	11,052	259,2
7,187	8,671	7,655	5,710	8,485	9,486	11,263	259,25
6,543	9,161	9,823	5,391	8,449	9,768	11,122	259,3
6,758	8,951	12,631	5,213	8,089	10,050	11,017	259,35
7,223	10,212	11,067	4,041	8,557	10,050	10,876	259,4
7,259	11,998	9,326	4,183	8,738	9,874	10,736	259,45
6,758	12,174	8,899	6,420	9,530	9,980	10,665	259,5
7,652	10,527	8,366	7,344	10,071	9,803	10,595	259,55
6,829	11,123	7,016	7,344	9,170	9,733	10,314	259,6
7,473	10,317	6,802	8,480	9,855	9,909	10,384	259,65
8,010	9,617	8,082	8,267	8,954	9,874	10,419	259,7
8,153	10,247	7,513	7,024	8,125	9,980	10,525	259,75
8,511	10,142	8,864	5,710	7,837	9,980	10,560	259,8
8,081	9,511	9,788	5,142	9,098	10,156	10,630	259,85
7,330	9,476	10,036	4,574	8,882	10,262	10,736	259,9
7,044	8,566	9,326	5,391	8,701	9,627	10,665	259,95
7,008	8,846	9,077	4,893	8,161	9,521	10,349	260
6,472	9,196	8,544	4,858	8,413	9,345	10,314	260,05
6,722	11,648	7,691	6,563	7,656	9,380	10,314	260,1
6,579	11,928	6,198	7,806	7,512	9,133	10,454	260,15
7,151	12,629	4,883	7,735	7,440	9,133	10,384	260,2
6,972	12,804	6,376	8,019	7,476	9,063	10,454	260,25
7,259	12,699	7,798	7,415	8,305	9,204	10,454	260,3
7,616	11,018	7,229	6,847	8,161	9,839	10,560	260,35
7,008	10,492	4,706	5,639	8,846	10,050	10,771	260,4
8,081	10,037	5,132	4,503	8,305	9,310	10,876	260,45
7,688	9,792	9,077	5,320	8,161	9,627	10,876	260,5
7,867	9,792	11,564	5,355	7,548	9,768	10,876	260,55
7,437	8,706	8,864	3,295	8,449	9,698	10,841	260,6
7,259	8,391	7,940	2,621	8,161	9,698	10,982	260,65
7,080	7,865	11,955	2,159	7,476	9,556	11,017	260,7

7,008	8,881	12,133	6,456	6,864	9,415	11,087	260,75
6,937	8,986	9,717	7,877	6,936	9,627	10,982	260,8
6,972	11,298	9,788	8,800	6,647	9,768	11,087	260,85
6,937	11,823	10,498	8,125	7,044	9,768	11,193	260,9
6,794	11,788	8,935	9,581	7,873	10,121	11,298	260,95
7,223	11,928	8,722	11,357	7,729	10,262	11,298	261
7,902	11,998	7,869	11,463	8,377	10,403	11,298	261,05
7,652	11,683	4,955	11,321	7,296	10,262	11,263	261,1
7,509	10,597	5,878	9,617	6,611	10,227	11,369	261,15
7,509	10,492	4,635	6,420	7,548	10,086	11,158	261,2
7,330	9,476	6,731	7,770	7,765	9,909	11,087	261,25
7,330	9,196	6,980	7,983	7,404	9,803	10,947	261,3
6,937	9,582	7,620	6,776	8,089	9,803	10,947	261,35
7,509	10,282	7,655	6,065	8,701	9,768	10,947	261,4
6,829	8,601	10,712	5,959	8,557	9,980	10,876	261,45
6,758	10,352	7,513	5,497	9,422	9,909	10,876	261,5
7,437	11,018	7,549	4,219	9,530	9,909	10,982	261,55
7,223	12,174	8,082	5,817	8,954	9,945	11,052	261,6
7,437	12,209	8,402	6,030	9,386	9,839	11,122	261,65
7,115	11,998	7,264	8,161	9,386	9,380	11,158	261,7
7,724	11,438	6,767	6,065	9,927	9,909	11,087	261,75
7,545	10,247	5,665	6,278	9,819	10,121	11,087	261,8
7,044	9,827	6,127	5,888	9,530	10,121	11,087	261,85
7,151	10,527	7,798	5,959	8,810	10,192	11,087	261,9
6,579	9,897	10,178	4,112	8,954	9,521	11,087	261,95
6,794	10,843	11,280	2,372	8,377	9,451	11,158	262
6,293	11,053	10,498	2,834	7,692	9,415	11,158	262,05
7,044	10,527	11,387	3,579	8,089	9,592	11,158	262,1
7,259	10,317	10,214	4,929	7,981	9,698	11,122	262,15
6,972	10,142	9,752	8,480	7,945	9,803	11,158	262,2
7,294	9,757	9,255	9,262	10,323	9,027	11,158	262,25
6,937	9,652	8,650	8,764	9,422	9,486	11,228	262,3
6,829	9,862	8,793	8,303	9,819	9,556	11,333	262,35
7,294	10,632	9,610	7,841	9,170	9,627	11,439	262,4
7,008	11,928	9,255	7,699	9,963	9,733	11,439	262,45
7,223	11,718	8,224	6,705	10,612	9,627	11,439	262,5
7,223	10,983	7,655	6,207	9,602	9,698	11,404	262,55
7,151	10,527	8,793	5,568	9,602	9,733	11,228	262,6
7,223	10,352	6,021	5,923	9,134	9,662	11,122	262,65
6,901	10,667	6,269	7,735	8,377	9,451	11,087	262,7
7,223	11,228	6,163	7,202	8,377	9,098	11,052	262,75
7,151	9,932	6,873	7,877	7,224	9,027	11,052	262,8
6,758	11,193	8,828	7,344	6,792	9,168	10,982	262,85
6,758	10,702	8,082	8,267	5,566	9,345	11,052	262,9
7,223	11,088	7,584	7,131	6,323	9,345	11,298	262,95
7,473	11,228	8,046	6,527	7,837	9,310	11,404	263
6,972	11,158	7,975	6,065	8,557	9,380	11,439	263,05
7,259	10,527	8,260	5,213	8,521	9,415	11,298	263,1
7,688	9,792	8,437	5,923	7,801	9,627	11,474	263,15
6,865	9,722	9,006	5,994	8,701	9,768	11,333	263,2
6,937	11,088	9,468	4,290	8,089	9,662	11,263	263,25
7,080	11,788	9,290	5,036	8,053	9,698	10,876	263,3
6,722	10,948	9,752	4,787	8,377	9,521	10,701	263,35
6,937	10,037	9,183	5,355	8,197	9,627	10,841	263,4
7,509	9,547	9,255	5,923	7,909	9,345	10,806	263,45

6,472	8,671	9,290	6,527	7,224	9,627	11,017	263,5
7,151	8,986	8,295	8,551	6,359	9,556	11,158	263,55
6,937	8,916	8,295	11,605	6,179	9,662	11,052	263,6
7,366	9,862	8,437	11,818	8,449	9,839	11,158	263,65
7,831	10,457	8,686	10,966	8,341	9,733	11,193	263,7
7,616	10,352	8,650	10,647	8,161	9,839	11,158	263,75
7,581	10,878	7,229	11,073	8,233	9,803	11,369	263,8
7,724	11,053	7,087	9,617	8,125	9,521	11,193	263,85
7,366	11,368	6,305	8,125	7,476	9,380	11,158	263,9
7,688	10,597	6,447	7,628	6,864	9,345	10,912	263,95
6,364	9,897	6,945	7,628	7,224	9,133	10,841	264
6,114	10,457	7,513	5,781	8,089	9,274	10,701	264,05
6,221	11,648	8,011	5,959	7,296	9,310	10,876	264,1
6,150	10,667	7,655	5,497	7,152	9,733	10,912	264,15
6,686	12,769	8,615	5,746	6,792	9,698	11,122	264,2
6,436	11,928	9,397	6,492	7,224	9,627	11,228	264,25
6,901	12,104	8,970	5,071	7,512	9,662	11,228	264,3
6,865	12,069	8,011	6,243	7,873	9,592	11,158	264,35
7,509	11,298	7,762	4,503	8,449	9,627	11,087	264,4
7,151	10,913	7,940	7,557	9,170	9,486	10,982	264,45
7,080	10,002	8,579	7,060	7,548	9,627	10,982	264,5
8,010	9,617	7,442	7,592	8,197	9,486	10,947	264,55
6,937	9,126	9,574	6,492	9,350	9,133	10,947	264,6
7,581	9,476	10,783	6,953	8,449	9,239	10,982	264,65
6,507	9,406	11,778	3,864	8,413	8,992	11,052	264,7
6,436	9,897	12,417	5,568	9,422	9,168	11,087	264,75
6,400	9,301	11,600	6,847	8,089	9,345	11,122	264,8
6,114	9,617	10,818	10,753	7,729	9,451	11,017	264,85
6,722	10,562	10,960	10,149	7,909	9,768	11,017	264,9
6,579	11,508	10,783	9,830	8,125	10,262	10,947	264,95
6,722	11,648	9,041	9,404	8,701	10,439	10,947	265
7,366	10,107	7,655	10,576	8,882	10,262	11,017	265,05
6,937	9,161	7,016	10,753	8,269	10,439	11,122	265,1
7,473	9,406	6,340	11,392	7,188	10,544	11,263	265,15
7,294	10,072	6,412	11,037	7,584	10,050	11,333	265,2
6,758	11,928	7,229	11,037	8,629	9,803	11,228	265,25
6,758	11,088	8,650	10,007	7,909	9,486	11,263	265,3
7,294	12,384	7,869	8,977	8,449	8,992	11,087	265,35
6,937	11,823	6,483	7,663	8,089	8,639	10,947	265,4
6,901	12,279	6,696	7,806	8,377	8,569	10,806	265,45
6,328	12,559	5,807	9,262	8,954	9,133	10,806	265,5
6,650	11,928	6,660	7,095	8,017	9,521	10,701	265,55
7,044	10,352	7,016	6,492	6,395	9,556	10,841	265,6
6,042	9,967	7,513	5,746	8,125	9,909	10,490	265,65
6,007	9,862	9,006	4,112	8,377	9,874	10,560	265,7
7,008	10,597	9,148	3,651	8,233	9,839	10,736	265,75
5,935	10,422	9,539	4,183	8,161	9,627	10,876	265,8
6,937	9,582	10,427	2,550	7,584	9,204	10,982	265,85
6,758	9,406	11,351	3,793	7,584	9,133	11,087	265,9
6,221	9,476	10,356	6,030	8,197	9,063	10,982	265,95
6,507	10,002	10,250	6,207	7,801	9,168	10,841	266
6,901	10,527	8,935	7,273	7,404	9,486	10,630	266,05
5,935	11,928	9,326	9,333	8,089	9,733	10,525	266,1
6,794	11,088	8,899	8,480	7,801	9,980	10,490	266,15
6,221	10,808	7,904	9,048	7,260	9,945	10,595	266,2

6,114	10,597	7,264	8,551	8,449	10,050	10,736	266,25
6,972	10,387	6,802	7,273	8,954	10,192	10,771	266,3
5,828	10,212	6,056	5,959	8,341	10,403	10,806	266,35
6,293	10,212	6,980	6,101	7,945	9,945	10,982	266,4
6,221	10,037	8,295	6,989	8,089	9,521	10,876	266,45
6,722	10,667	8,473	7,841	9,134	8,992	10,806	266,5
6,436	11,648	7,904	8,835	9,855	8,710	10,630	266,55
6,686	11,228	7,335	8,054	8,449	8,533	10,454	266,6
7,008	11,578	8,508	6,172	7,692	8,428	10,349	266,65
6,543	10,913	8,757	5,852	7,080	8,569	10,384	266,7
6,150	11,228	8,260	5,959	6,792	8,886	10,349	266,75
6,400	10,282	8,757	5,107	6,864	8,639	10,384	266,8
6,436	10,247	7,798	4,822	7,368	9,521	10,595	266,85
6,364	10,422	8,899	6,278	8,341	9,451	10,806	266,9
7,402	11,263	9,468	5,639	7,152	9,168	10,912	266,95
6,543	11,263	9,752	5,320	7,512	9,063	10,982	267
7,509	10,913	9,752	4,148	7,080	9,063	10,806	267,05
6,865	10,212	10,001	3,508	7,909	9,027	10,595	267,1
7,008	10,632	9,752	5,142	7,548	9,098	10,454	267,15
6,364	9,126	9,539	7,166	7,692	9,415	10,454	267,2
6,400	9,476	8,935	6,314	7,873	9,451	10,525	267,25
6,221	11,088	9,468	6,776	10,936	9,768	10,630	267,3
6,507	11,753	8,899	5,604	10,612	9,698	10,876	267,35
6,722	11,718	10,072	9,262	10,756	9,839	11,052	267,4
6,400	11,333	11,245	9,190	9,566	9,803	11,193	267,45
6,865	10,247	11,245	8,551	10,179	10,050	11,158	267,5
6,901	9,371	10,392	8,303	10,576	10,086	11,087	267,55
6,150	8,986	10,356	6,811	8,557	10,192	11,017	267,6
6,650	8,881	8,579	7,237	7,332	10,439	11,052	267,65
6,257	8,005	7,798	9,865	7,080	9,133	11,052	267,7
6,901	8,321	8,082	12,671	6,864	10,474	11,087	267,75
7,581	8,916	8,686	11,605	7,044	10,686	10,912	267,8
6,972	9,757	9,574	10,647	7,152	9,768	10,525	267,85
6,794	10,772	8,686	10,185	7,945	9,909	10,490	267,9
7,187	12,279	9,006	8,800	8,305	10,156	10,595	267,95
6,436	10,878	8,650	9,013	7,981	10,686	10,630	268
6,507	10,597	7,798	8,445	7,512	10,721	10,736	268,05
6,293	10,737	7,016	9,936	7,981	10,403	10,454	268,1
6,472	10,177	7,016	10,256	7,765	9,556	10,103	268,15
6,436	10,808	5,630	9,936	8,233	9,909	10,068	268,2
6,078	9,932	6,163	9,190	8,161	9,980	10,841	268,25
6,293	10,808	6,696	9,013	7,548	10,227	11,122	268,3
6,472	10,632	7,158	8,054	8,017	10,121	11,228	268,35
7,008	10,667	6,838	7,202	7,945	10,156	11,193	268,4
7,366	10,667	6,802	6,492	7,692	10,439	11,158	268,45
7,473	9,757	7,335	7,770	7,656	10,827	11,158	268,5
7,223	9,827	6,731	8,338	7,368	10,439	11,087	268,55
7,437	9,967	5,452	7,344	7,512	10,544	11,017	268,6
6,829	9,547	5,807	6,669	8,305	10,262	10,806	268,65
6,543	10,808	7,016	7,770	7,837	9,521	10,595	268,7
6,114	10,913	9,361	6,776	7,368	9,415	10,384	268,75
6,078	11,158	10,072	5,178	7,368	9,556	10,103	268,8
6,400	12,209	8,117	5,320	7,224	10,050	10,314	268,85
6,972	13,330	7,655	5,178	7,440	9,874	10,173	268,9
6,722	14,451	7,193	5,675	7,692	9,451	10,173	268,95

6,436	13,960	6,767	6,989	6,864	9,204	10,173	269
6,722	11,473	5,843	7,877	5,891	9,027	10,208	269,05
6,436	10,177	4,955	7,202	7,837	9,345	10,314	269,1
7,366	10,808	5,274	6,349	11,224	9,133	10,314	269,15
7,080	10,983	6,127	5,994	8,521	9,451	10,314	269,2
6,794	10,667	9,219	6,563	8,629	9,698	10,490	269,25
7,044	9,967	11,209	4,361	8,161	9,698	10,736	269,3
6,758	9,897	12,773	2,408	8,593	9,909	10,876	269,35
6,937	9,301	12,915	3,722	8,377	10,827	10,876	269,4
7,330	9,056	11,778	5,710	8,449	10,580	10,876	269,45
6,722	9,371	10,250	5,142	9,026	10,721	10,876	269,5
7,008	9,266	10,498	8,622	8,701	10,650	11,017	269,55
6,758	9,967	9,503	7,379	8,161	10,297	11,087	269,6
6,650	10,843	7,975	7,415	8,197	10,262	11,087	269,65
7,008	11,823	8,615	8,480	8,125	10,121	11,087	269,7
6,865	10,808	7,726	11,676	8,557	10,086	11,052	269,75
7,437	11,298	7,087	11,676	8,161	9,909	11,052	269,8
7,294	10,387	5,736	8,480	8,413	9,627	10,982	269,85
7,008	10,247	6,092	8,977	8,089	10,227	10,912	269,9
7,724	11,788	7,300	7,557	7,584	10,544	10,876	269,95
7,509	12,279	7,407	6,776	6,756	10,403	10,982	270
7,223	13,260	8,224	5,426	6,719	10,050	11,087	270,05
7,867	12,314	7,904	6,349	7,296	10,192	11,228	270,1
7,151	11,508	6,945	5,746	7,296	10,333	11,333	270,15
7,044	10,878	5,950	5,746	8,557	10,650	11,369	270,2
6,722	11,508	4,635	5,994	8,125	10,827	11,439	270,25
8,332	10,808	11,635	6,420	8,557	10,686	11,439	270,3
7,008	12,384	9,574	5,604	8,377	10,827	11,369	270,35
6,972	11,788	11,031	5,284	8,089	10,403	11,298	270,4
6,615	10,808	11,173	6,101	9,278	10,086	11,158	270,45
7,473	9,547	9,290	6,030	8,485	9,345	11,158	270,5
7,151	9,932	10,214	7,486	7,873	8,921	11,122	270,55
6,758	10,002	7,975	4,609	8,197	9,133	11,298	270,6
7,294	11,193	7,869	7,060	8,341	8,710	11,439	270,65
7,473	8,566	9,006	7,663	8,521	9,063	11,439	270,7
7,724	8,986	10,001	7,379	8,810	9,063	11,509	270,75
7,330	9,827	10,214	6,563	8,954	8,110	11,615	270,8
7,437	8,986	8,437	6,420	9,242	9,380	11,615	270,85
7,652	8,250	9,610	6,527	9,098	9,980	11,439	270,9
7,330	10,597	10,285	7,912	9,819	9,556	11,158	270,95
7,688	11,858	8,366	8,409	9,062	9,733	11,087	271
7,616	13,785	7,513	10,966	8,521	10,121	10,982	271,05
6,972	13,995	7,300	9,510	8,089	10,262	11,017	271,1
7,259	11,893	5,914	8,800	8,089	10,227	11,158	271,15
6,972	10,878	4,741	7,557	7,512	9,698	11,298	271,2
6,972	11,368	2,218	7,131	8,089	9,556	11,439	271,25
7,330	11,263	2,680	7,131	6,936	9,345	11,579	271,3
7,581	10,072	4,635	5,781	7,440	9,310	11,509	271,35
7,616	11,193	8,295	5,071	7,945	9,380	11,439	271,4
7,187	11,263	11,209	3,864	7,044	9,733	11,158	271,45
6,829	10,002	10,712	3,899	7,332	9,980	11,087	271,5
7,437	9,827	8,828	3,508	8,017	10,262	11,087	271,55
6,615	10,948	8,046	3,757	7,224	10,227	11,087	271,6
7,151	11,298	7,869	5,391	7,837	10,121	11,087	271,65
7,831	12,314	8,579	6,349	8,377	10,192	11,052	271,7

7,581	12,209	8,117	6,420	8,233	10,192	11,052	271,75
7,581	11,998	7,726	5,426	6,972	10,192	11,122	271,8
6,829	11,123	7,584	3,864	6,828	10,333	11,298	271,85
7,473	10,177	6,269	5,533	7,729	10,509	11,193	271,9
7,223	10,282	6,589	6,492	7,440	10,615	11,017	271,95
8,117	10,457	6,945	6,136	7,476	10,544	10,876	272
7,616	10,002	7,904	5,213	7,368	10,262	10,806	272,05
7,294	10,212	8,508	5,284	8,990	10,050	10,841	272,1
7,294	10,527	10,925	5,426	8,738	10,156	10,595	272,15
7,294	10,597	10,285	5,320	8,810	10,192	10,982	272,2
8,010	10,352	7,762	6,563	8,377	10,156	10,841	272,25
7,223	11,088	8,970	6,314	9,675	9,874	10,665	272,3
7,294	9,932	8,650	6,953	9,711	9,592	10,595	272,35
7,294	10,142	8,793	8,906	9,891	9,627	9,787	272,4
7,294	10,037	7,158	9,723	10,359	9,980	10,912	272,45
6,972	9,687	7,975	8,196	9,711	9,874	11,158	272,5
7,294	9,827	7,655	6,989	9,386	9,839	11,263	272,55
7,187	10,247	8,082	7,557	9,026	9,909	11,087	272,6
7,294	10,107	7,869	6,030	8,557	10,050	10,736	272,65
7,044	10,142	7,726	6,598	8,485	10,121	10,665	272,7
6,972	10,948	7,442	6,527	7,801	9,909	10,595	272,75
6,937	11,298	8,260	6,811	8,161	9,909	10,665	272,8
6,865	12,839	6,945	8,090	9,134	9,803	10,876	272,85
6,829	12,384	7,940	8,800	10,467	9,909	10,490	272,9
6,829	12,139	7,300	7,912	8,485	10,192	10,595	272,95
6,758	11,158	7,264	8,374	8,017	10,439	10,876	273
7,330	11,018	7,229	7,521	6,287	9,980	10,947	273,05
7,437	11,893	7,051	7,699	5,638	9,204	11,087	273,1
7,437	10,597	8,828	6,065	5,963	8,780	11,158	273,15
7,151	10,492	9,823	6,172	5,098	9,239	11,228	273,2
6,829	9,266	10,534	5,923	6,431	9,627	11,228	273,25
7,115	9,406	10,640	5,320	7,584	9,627	11,228	273,3
7,080	9,371	11,067	5,639	8,629	9,556	11,263	273,35
6,829	10,387	11,351	5,107	8,846	9,839	11,298	273,4
6,436	9,897	11,209	6,882	9,422	10,580	11,298	273,45
6,615	9,827	10,001	7,983	9,170	11,532	11,228	273,5
6,722	9,582	9,432	7,486	10,792	10,862	11,369	273,55
7,330	10,072	9,112	8,835	9,963	10,932	11,509	273,6
7,581	9,476	7,478	9,013	10,179	10,791	11,579	273,65
7,330	10,808	7,229	9,794	10,143	10,544	11,615	273,7
7,044	10,667	7,016	9,901	10,612	10,686	11,615	273,75
7,187	10,597	6,873	8,658	9,819	10,544	11,544	273,8
6,794	11,368	7,016	8,445	8,774	10,791	11,509	273,85
6,722	11,858	6,945	8,267	9,098	10,403	11,439	273,9
7,330	13,084	6,483	6,349	8,954	9,909	11,298	273,95
7,581	13,260	7,407	7,237	9,242	9,945	11,158	274
6,722	13,400	6,554	6,278	9,206	9,768	11,087	274,05
5,828	12,839	5,239	5,923	11,008	9,803	11,439	274,1
6,293	11,788	4,812	5,284	11,116	9,980	11,544	274,15
6,758	11,438	3,995	5,355	14,251	10,086	11,579	274,2
6,650	10,948	8,402	4,361	9,675	10,156	11,720	274,25
6,650	8,601	9,930	4,503	10,323	10,086	11,544	274,3
6,972	9,652	12,133	3,970	9,530	10,050	11,509	274,35
7,044	9,441	14,265	3,047	9,242	9,803	11,544	274,4
7,366	9,757	14,727	3,473	9,675	9,768	11,579	274,45

7,616	8,986	13,981	6,918	9,494	9,662	11,158	274,5
7,616	9,371	12,488	8,232	10,143	9,627	11,228	274,55
7,259	9,792	11,138	10,433	10,684	9,627	11,158	274,6
7,294	10,948	10,214	10,931	10,503	9,133	11,122	274,65
6,579	11,578	9,503	10,895	10,431	8,886	11,122	274,7
6,615	10,527	10,072	11,925	10,467	9,274	11,298	274,75
6,972	11,368	9,894	11,889	10,035	9,486	11,439	274,8
7,795	11,578	8,793	12,351	9,314	9,839	11,579	274,85
6,794	11,438	8,153	11,889	8,882	9,768	11,579	274,9
7,294	11,158	7,513	10,611	9,783	9,909	11,509	274,95
7,187	10,632	6,518	10,753	9,314	9,839	11,439	275
7,080	10,352	5,452	11,960	9,458	9,098	11,298	275,05
6,937	11,193	5,381	10,398	9,999	8,357	11,158	275,1
6,829	11,508	5,310	10,540	8,918	8,533	11,228	275,15
7,330	13,750	5,203	8,906	7,729	8,675	11,298	275,2
7,366	13,715	5,274	8,551	8,954	8,921	11,193	275,25
7,330	13,190	5,807	8,658	7,260	9,063	11,158	275,3
7,008	12,349	6,483	8,196	7,729	9,345	11,158	275,35
7,151	11,648	5,736	7,237	8,233	9,204	11,439	275,4
7,581	10,983	6,376	6,847	8,233	9,063	11,509	275,45
7,437	11,018	10,392	5,994	9,206	9,521	11,509	275,5
7,115	10,737	10,498	5,142	9,675	9,168	11,439	275,55
6,758	9,687	10,996	2,656	8,089	9,380	11,333	275,6
6,686	10,142	11,351	4,645	7,440	9,274	11,087	275,65
6,615	9,827	10,569	3,473	8,125	9,415	10,876	275,7
6,901	11,753	9,930	3,473	7,873	9,133	10,806	275,75
6,436	11,648	9,290	6,349	7,512	9,556	10,876	275,8
6,937	10,527	8,473	6,136	7,152	9,451	11,087	275,85
7,330	10,597	8,402	7,344	7,801	9,415	11,228	275,9
7,008	10,702	7,940	8,587	9,386	9,980	11,509	275,95
7,473	11,228	8,082	8,764	9,530	9,627	11,544	276
7,616	10,667	8,579	8,480	9,711	9,839	11,579	276,05
8,010	10,142	9,717	7,699	9,170	10,015	11,474	276,1
7,509	10,913	9,752	7,699	9,747	10,333	11,369	276,15
7,402	10,387	9,752	5,852	9,819	10,192	11,263	276,2
6,937	10,737	10,107	5,533	10,323	10,262	11,263	276,25
6,507	9,792	10,285	4,929	10,107	9,839	11,439	276,3
6,615	9,687	11,067	5,320	10,684	9,521	11,615	276,35
6,364	11,403	10,356	5,923	9,530	9,839	11,790	276,4
6,758	11,963	9,610	8,906	8,521	9,874	11,861	276,45
7,831	11,648	9,788	8,551	6,936	9,839	11,931	276,5
7,724	10,142	9,752	9,013	7,404	9,909	11,896	276,55
7,115	9,582	8,366	9,013	7,620	10,050	11,790	276,6
7,259	9,652	8,224	8,622	8,882	9,980	11,650	276,65
7,688	10,317	8,224	8,338	10,107	9,909	11,579	276,7
7,294	10,597	8,402	7,415	9,530	10,156	11,439	276,75
7,509	11,018	9,219	7,912	9,314	10,156	11,228	276,8
7,294	10,667	10,285	8,054	9,314	10,121	11,087	276,85
7,509	10,317	9,645	7,877	8,810	10,333	11,017	276,9
7,867	10,142	9,432	7,557	9,098	10,439	11,158	276,95
8,081	10,527	7,798	7,060	8,954	10,297	11,333	277
7,759	10,667	8,650	5,604	8,341	10,262	11,439	277,05
7,867	11,088	7,655	4,219	8,017	10,403	11,579	277,1
7,115	11,263	6,589	7,131	7,440	10,403	11,509	277,15
7,044	11,788	5,878	7,486	7,080	10,262	11,228	277,2

7,294	12,384	6,412	6,101	7,548	10,192	10,876	277,25
7,294	11,858	6,127	6,492	8,341	10,227	10,736	277,3
7,115	12,419	7,300	6,065	8,954	10,192	10,454	277,35
7,437	11,298	8,295	5,355	6,647	10,721	10,349	277,4
6,937	11,053	8,224	5,071	7,440	10,615	10,384	277,45
7,187	10,597	9,041	3,366	5,494	10,791	10,454	277,5
7,330	10,037	9,788	4,503	6,503	10,791	10,595	277,55
8,046	9,687	9,645	5,426	8,954	10,403	10,876	277,6
8,010	9,932	9,859	3,544	8,089	10,439	10,982	277,65
7,938	10,107	10,072	4,929	8,882	10,439	11,052	277,7
7,724	9,476	10,640	7,948	8,774	9,733	11,017	277,75
7,473	9,652	10,392	8,374	8,449	9,662	10,876	277,8
6,829	11,088	9,503	9,048	9,206	9,839	10,701	277,85
6,221	11,823	9,077	9,404	9,566	9,768	10,419	277,9
6,293	11,578	8,473	9,013	9,819	9,627	10,173	277,95
6,400	11,788	7,655	9,546	9,855	9,909	10,208	278
6,865	12,139	7,087	9,865	9,819	9,839	10,384	278,05
6,901	10,808	6,234	9,510	8,593	10,015	10,701	278,1
7,294	9,897	4,528	8,977	8,701	10,121	11,017	278,15
6,507	9,126	5,061	8,800	7,332	10,262	11,228	278,2
7,366	8,531	6,021	8,267	7,548	10,333	11,333	278,25
8,046	9,967	7,513	8,516	6,936	10,333	11,333	278,3
6,865	10,457	8,579	5,923	6,972	10,192	11,298	278,35
7,473	9,792	9,610	7,202	7,044	10,121	11,193	278,4
7,008	10,808	8,402	6,278	7,260	10,015	11,052	278,45
6,686	11,368	7,371	5,284	8,233	9,909	10,876	278,5
6,829	11,193	7,087	5,994	8,017	9,909	10,736	278,55
6,758	11,368	7,300	6,492	8,810	9,980	10,701	278,6
6,901	11,788	6,056	6,776	8,089	10,015	10,876	278,65
6,722	11,438	5,843	4,858	8,918	10,121	11,122	278,7
6,686	10,317	6,660	5,497	9,062	10,297	11,369	278,75
7,902	10,352	6,021	5,497	10,395	10,544	11,509	278,8
6,650	10,457	7,869	5,107	10,576	10,615	11,579	278,85
6,221	11,018	9,006	4,361	9,819	11,179	11,650	278,9
6,436	10,667	10,498	2,763	9,927	10,968	11,615	278,95
6,150	10,492	11,245	3,970	9,386	10,474	11,509	279
6,579	10,457	9,930	2,869	8,990	9,945	11,439	279,05
6,543	10,527	9,645	4,609	9,170	9,909	11,298	279,1
6,150	9,897	8,224	5,710	9,602	10,121	11,158	279,15
6,686	9,511	7,371	6,740	9,891	10,121	11,017	279,2
7,044	9,757	7,762	9,084	10,503	10,192	11,017	279,25
6,436	9,617	6,873	8,906	10,143	10,333	10,982	279,3
6,543	10,247	9,503	8,409	8,701	10,615	10,982	279,35
6,364	10,562	9,930	8,125	8,161	10,650	11,122	279,4
6,579	10,037	8,722	7,486	8,377	10,580	11,439	279,45
6,150	10,808	8,650	7,060	8,485	10,827	11,579	279,5
6,758	10,002	8,686	7,344	9,026	10,544	11,544	279,55
6,972	10,037	9,077	7,699	8,810	10,050	11,439	279,6
6,829	10,562	8,046	7,983	8,701	9,662	11,298	279,65
6,758	11,123	7,869	7,628	8,197	9,451	10,947	279,7
6,007	10,212	7,193	6,811	8,017	9,451	10,701	279,75
6,185	11,718	6,056	7,841	7,945	9,415	10,560	279,8
6,328	11,928	6,767	6,811	7,729	8,780	10,595	279,85
6,937	11,963	6,802	7,379	7,224	8,216	10,595	279,9
7,187	11,648	6,056	7,060	7,008	8,392	10,701	279,95

7,008	10,772	7,264	7,060	6,792	8,533	10,771	280
6,650	10,878	8,686	5,923	7,981	8,675	10,806	280,05
6,650	10,667	7,798	5,355	8,377	8,921	10,771	280,1
6,328	10,597	8,864	2,195	7,765	9,803	10,806	280,15
7,151	12,314	9,717	1,910	7,368	9,662	10,806	280,2
7,330	12,594	10,356	4,041	8,017	9,627	10,736	280,25
7,581	11,823	9,503	5,391	8,774	9,415	10,665	280,3
7,187	11,578	9,752	4,503	7,692	9,133	10,630	280,35
7,294	10,527	8,544	6,918	7,224	8,921	10,630	280,4
6,758	10,387	9,006	7,841	7,765	8,851	10,595	280,45
6,722	11,053	7,762	7,486	8,269	8,780	10,630	280,5
7,867	10,808	7,513	7,344	8,990	8,780	10,665	280,55
6,901	10,177	8,188	7,024	8,701	8,851	10,736	280,6
6,472	10,282	10,001	6,278	9,458	8,851	10,876	280,65
7,044	10,527	9,006	7,415	9,530	8,780	10,982	280,7
7,044	10,282	8,402	7,273	8,449	8,851	11,087	280,75
7,616	9,476	8,579	6,172	7,080	8,921	11,158	280,8
6,650	9,126	8,828	6,207	6,431	8,886	11,122	280,85
6,078	9,511	9,255	6,420	6,792	8,921	11,158	280,9
5,935	9,687	8,615	7,486	7,080	8,604	11,193	280,95
7,187	9,757	8,579	6,705	7,837	8,498	11,193	281
7,294	10,527	8,615	7,379	8,665	8,710	11,228	281,05
6,722	11,368	8,864	7,841	8,846	8,921	11,228	281,1
7,652	10,878	9,148	8,196	8,846	9,133	11,158	281,15
7,008	9,897	7,016	7,912	8,990	9,274	11,158	281,2
7,259	9,476	7,335	8,587	9,026	9,274	11,298	281,25
7,294	8,846	6,696	8,800	8,089	9,133	11,439	281,3
6,865	10,142	7,051	8,622	7,909	9,133	11,579	281,35
6,579	11,508	7,655	8,409	9,170	9,168	11,720	281,4
6,972	12,279	7,407	9,510	8,377	9,168	11,755	281,45
6,686	12,454	6,056	9,404	7,801	9,274	11,720	281,5
6,901	11,718	6,376	8,409	8,665	9,310	11,579	281,55
6,722	10,282	6,447	8,267	8,990	9,380	11,509	281,6
7,115	9,652	6,269	8,090	8,521	9,345	11,509	281,65
7,581	9,231	7,087	6,314	8,521	9,415	11,298	281,7
7,652	9,582	7,016	6,705	8,305	9,451	11,193	281,75
7,688	9,126	9,361	5,639	7,656	9,451	11,158	281,8
7,581	9,792	8,224	4,680	7,440	9,380	11,193	281,85
7,366	10,597	9,503	4,467	8,377	9,274	11,193	281,9
6,794	11,333	10,854	5,639	9,566	9,168	11,263	281,95
7,402	12,174	9,219	9,759	9,927	8,851	11,263	282
7,509	11,788	7,691	6,705	9,242	8,639	11,158	282,05
6,758	11,613	8,224	7,237	7,801	8,921	11,087	282,1
6,972	11,683	6,163	8,587	7,080	8,992	10,982	282,15
7,115	12,349	6,554	8,658	7,368	8,886	11,052	282,2
6,794	11,963	6,838	7,628	7,440	9,204	11,193	282,25
7,044	11,158	8,224	6,492	7,512	9,310	11,158	282,3
6,937	10,808	8,260	6,669	6,719	9,415	11,087	282,35
6,150	10,212	7,691	6,776	6,864	9,556	10,912	282,4
6,293	10,352	8,331	4,077	7,116	9,662	10,876	282,45
6,328	10,352	8,793	5,036	6,503	9,698	10,876	282,5
7,437	9,967	10,107	3,757	7,080	9,733	10,876	282,55
7,223	10,212	12,133	4,680	7,512	9,698	11,052	282,6
7,581	10,527	12,097	4,361	7,837	9,627	11,158	282,65
7,187	9,301	11,245	5,497	8,593	9,451	11,298	282,7

6,579	10,422	10,996	6,989	7,656	9,204	11,439	282,75
7,581	9,126	10,143	6,918	7,945	9,063	11,298	282,8
8,296	9,617	9,539	7,912	7,801	9,098	11,158	282,85
8,046	10,282	7,442	12,884	9,638	9,415	11,228	282,9
8,260	10,387	8,046	12,990	9,494	9,909	11,298	282,95
8,010	10,667	8,793	11,286	9,458	9,839	11,158	283
8,153	10,527	9,219	9,652	8,665	9,945	11,509	283,05
7,115	9,617	9,361	8,693	8,701	10,121	11,650	283,1
7,437	10,282	8,473	8,303	8,089	9,768	11,615	283,15
6,865	11,508	7,442	8,267	8,233	9,451	11,509	283,2
7,115	14,030	8,011	7,131	7,152	9,874	11,369	283,25
6,829	13,365	7,549	8,374	7,080	9,698	11,193	283,3
7,652	13,225	6,127	8,871	6,143	9,803	11,017	283,35
8,367	12,209	5,736	9,190	6,395	9,909	10,912	283,4
8,439	11,298	5,310	8,764	6,035	10,192	10,701	283,45
7,366	10,352	6,198	7,273	6,251	11,497	10,595	283,5
7,509	9,406	7,407	7,273	7,224	11,885	10,736	283,55
7,008	9,617	8,046	5,071	7,584	11,956	10,736	283,6
7,437	10,177	10,036	4,396	7,873	11,673	10,771	283,65
6,829	10,387	11,067	2,585	8,161	11,179	10,665	283,7
7,151	10,702	11,920	3,579	8,701	10,580	10,419	283,75
7,902	10,247	9,930	3,438	9,062	10,121	10,244	283,8
7,151	10,702	10,285	4,751	9,927	9,980	10,279	283,85
6,472	10,667	9,610	5,710	9,566	10,156	10,173	283,9
6,507	9,582	9,255	6,527	10,107	10,368	9,962	283,95
6,579	11,123	9,006	8,338	10,323	10,509	10,103	284
7,759	12,209	8,579	8,622	10,251	10,615	10,349	284,05
7,151	12,594	7,442	6,172	9,602	10,686	10,595	284,1
7,652	11,438	8,082	7,308	9,963	10,897	10,841	284,15
7,581	11,438	7,798	7,273	9,422	11,109	10,876	284,2
7,437	9,126	7,478	6,136	10,107	11,356	10,454	284,25
8,296	9,652	8,437	7,308	9,422	11,532	10,419	284,3
7,616	9,617	7,584	5,391	10,359	11,603	10,841	284,35
6,901	9,476	9,788	6,172	9,999	11,567	10,560	284,4
6,328	8,566	10,996	5,604	9,747	11,321	10,595	284,45
6,615	8,741	11,635	6,349	8,629	11,109	10,595	284,5
7,294	7,585	10,783	6,243	7,656	11,109	10,595	284,55
7,724	10,878	10,463	8,232	7,440	10,968	10,665	284,6
8,046	10,808	9,717	8,693	7,368	10,686	10,490	284,65
8,332	10,387	10,214	8,516	7,801	10,474	10,454	284,7
7,867	9,336	10,321	9,794	7,512	10,333	10,595	284,75
7,008	9,231	8,437	10,291	8,089	10,086	10,806	284,8
6,650	9,091	7,549	10,362	8,954	9,874	10,876	284,85
5,971	8,951	7,087	8,906	7,080	9,486	10,806	284,9
5,899	11,123	7,478	9,119	8,089	9,168	10,665	284,95
5,828	12,069	7,513	9,901	7,044	9,133	10,560	285
6,042	12,349	7,158	10,682	7,224	9,345	10,419	285,05
6,794	11,718	6,269	9,830	7,945	9,768	10,454	285,1
7,008	9,827	6,802	8,800	7,765	10,192	10,595	285,15
7,795	9,266	6,340	8,019	7,224	10,615	10,736	285,2
7,902	8,286	6,660	6,563	7,512	10,544	10,806	285,25
7,437	8,286	7,584	5,604	7,188	10,368	10,912	285,3
7,938	7,620	7,975	4,467	7,873	10,439	10,982	285,35
7,187	8,636	9,326	4,396	7,981	10,156	11,052	285,4
7,223	8,461	10,427	2,266	7,368	10,297	11,052	285,45

8,153	11,858	8,793	2,479	7,945	10,403	11,052	285,5
7,581	12,419	7,975	3,864	7,656	10,192	10,912	285,55
6,829	12,909	8,366	7,202	7,873	10,050	10,806	285,6
7,008	13,435	7,762	8,764	8,521	10,050	10,701	285,65
6,364	13,680	7,584	8,871	8,161	10,262	10,630	285,7
7,008	12,769	6,873	9,439	8,665	10,368	10,595	285,75
6,901	11,508	7,229	8,232	9,494	10,474	10,736	285,8
7,437	11,088	8,366	7,237	8,449	10,333	10,806	285,85
8,046	10,002	10,427	6,207	8,810	10,227	10,806	285,9
7,008	9,652	11,031	5,781	8,954	10,403	10,841	285,95
7,187	8,811	11,458	4,041	8,918	10,192	10,806	286
7,509	9,722	10,214	4,041	9,098	10,368	11,122	286,05
6,972	9,056	10,712	5,994	9,026	10,333	11,193	286,1
7,044	9,266	10,783	6,385	10,251	10,297	11,193	286,15
7,044	10,808	9,930	7,663	10,071	10,121	11,193	286,2
7,294	11,858	9,006	6,634	10,359	9,945	11,017	286,25
7,867	11,998	9,041	8,303	12,413	9,521	10,876	286,3
7,509	13,295	8,757	9,901	10,972	9,380	10,630	286,35
6,328	11,683	8,579	10,860	9,855	9,556	10,490	286,4
7,008	10,808	7,335	11,215	9,747	9,698	10,384	286,45
7,187	10,562	7,300	10,362	10,395	9,909	10,454	286,5
7,581	10,142	7,584	9,048	9,386	9,874	10,665	286,55
7,581	9,547	8,153	9,226	9,062	9,662	10,736	286,6
7,509	9,476	8,117	8,480	9,170	9,592	10,876	286,65
7,151	10,142	8,793	7,557	9,386	9,945	10,982	286,7
6,937	9,827	9,183	7,202	8,774	8,992	10,876	286,75
7,437	11,193	7,904	6,456	8,089	9,133	10,736	286,8
7,294	12,559	8,331	5,852	8,738	9,098	10,525	286,85
7,581	11,368	7,513	5,639	8,810	8,921	10,314	286,9
7,688	11,788	7,513	7,379	8,449	9,063	10,173	286,95
7,437	11,508	6,518	6,953	9,638	9,310	10,208	287
7,115	11,473	7,478	6,207	9,855	9,698	10,349	287,05
7,294	11,123	6,802	5,888	9,422	9,698	10,560	287,1
7,151	10,177	8,295	6,811	9,891	9,627	10,876	287,15
7,008	10,597	9,077	6,598	8,774	9,839	11,017	287,2
6,794	11,018	9,503	5,639	9,386	9,839	11,122	287,25
6,972	11,403	10,214	6,207	8,377	9,909	11,228	287,3
7,330	11,053	11,529	5,213	8,954	9,627	11,298	287,35
7,115	10,772	10,712	5,888	8,665	9,274	11,087	287,4
7,581	9,336	10,036	7,308	9,314	9,310	10,876	287,45
7,151	10,737	9,965	8,232	10,107	9,274	10,595	287,5
7,259	9,547	9,219	9,404	8,665	9,274	10,419	287,55
7,080	9,932	9,006	9,439	8,954	9,662	10,419	287,6
7,151	10,142	9,148	10,185	9,494	10,050	10,595	287,65
7,151	11,053	8,260	10,114	8,954	10,297	10,736	287,7
7,115	11,228	8,615	10,114	8,557	10,474	10,912	287,75
7,724	11,088	7,584	9,759	9,170	10,474	11,193	287,8
7,151	11,158	6,625	8,516	8,233	10,615	11,333	287,85
7,724	10,808	7,407	8,196	9,819	10,686	11,298	287,9
7,187	10,352	7,940	7,663	8,593	10,827	11,122	287,95
7,867	9,897	8,402	7,663	9,134	10,897	10,876	288
7,509	10,107	8,864	7,486	8,089	10,932	10,595	288,05
7,616	9,582	9,645	6,492	7,873	10,968	10,490	288,1
7,330	10,037	9,503	4,396	7,512	11,109	10,525	288,15
7,044	10,597	9,219	5,320	6,936	11,391	10,595	288,2

7,437	11,298	8,117	6,101	7,512	11,391	10,595	288,25
7,044	11,858	6,909	5,568	9,278	11,426	10,736	288,3
7,080	11,438	7,513	6,705	8,629	11,391	10,876	288,35
7,223	11,088	7,264	6,527	8,882	11,321	10,876	288,4
7,402	11,228	6,945	5,142	7,945	11,321	10,876	288,45
7,509	11,403	6,127	6,420	8,125	11,321	10,771	288,5
7,294	11,088	7,726	6,172	7,404	11,321	10,665	288,55
7,080	11,088	9,290	6,207	8,954	11,038	10,595	288,6
7,437	10,913	9,965	5,781	8,593	10,862	10,525	288,65
7,294	11,088	9,717	4,609	8,377	10,827	10,595	288,7
7,187	11,088	10,036	5,639	7,837	10,932	10,595	288,75
7,831	10,948	9,930	7,379	7,765	11,038	10,595	288,8
7,473	10,282	9,468	7,486	8,089	11,356	10,595	288,85
7,867	10,597	8,757	7,877	7,981	11,321	10,630	288,9
7,080	10,352	9,255	7,344	7,837	11,250	10,701	288,95
7,437	10,247	9,645	7,237	7,873	11,391	10,806	289
7,223	10,387	9,006	7,415	7,801	11,426	10,876	289,05
7,187	10,632	8,295	7,202	8,197	11,038	10,876	289,1
7,437	10,878	8,402	6,527	8,990	11,250	10,806	289,15
6,865	12,314	7,478	8,906	8,521	11,038	10,736	289,2
7,366	11,718	6,802	7,841	8,305	11,038	10,630	289,25
7,223	11,088	6,802	7,450	8,305	10,827	10,665	289,3
8,189	11,193	6,660	6,776	8,629	10,756	10,665	289,35
7,831	10,667	7,051	6,349	8,341	10,650	10,736	289,4
7,437	10,317	8,224	5,568	9,314	10,615	10,841	289,45
7,867	10,317	9,041	5,852	8,954	10,686	10,876	289,5
7,330	10,527	9,361	6,634	9,602	10,615	11,017	289,55
7,437	10,702	9,788	5,604	8,665	10,650	11,052	289,6
7,366	11,473	9,930	6,527	8,593	10,580	11,052	289,65
7,366	11,438	9,148	5,959	10,936	10,862	11,017	289,7
7,652	10,843	9,503	8,622	10,107	10,932	10,947	289,75
7,759	11,753	9,539	6,989	9,675	11,109	10,841	289,8
7,437	11,053	9,290	9,972	8,269	11,391	10,665	289,85
7,437	10,772	9,503	8,906	7,512	11,321	10,595	289,9
7,509	10,737	8,188	6,811	8,089	8,816	10,630	289,95
7,581	11,193	7,869	6,634	8,954	9,592	10,665	290
6,865	11,263	6,802	7,486	9,026	9,768	10,701	290,05
6,686	11,438	7,442	6,527	8,449	10,121	10,771	290,1
7,008	11,963	7,691	5,923	8,377	10,474	10,806	290,15
6,758	11,368	7,442	5,746	7,909	10,897	10,806	290,2
7,080	11,788	7,655	6,278	9,062	10,756	10,806	290,25
7,044	12,349	7,193	5,923	8,449	10,615	10,736	290,3
7,187	11,788	6,945	5,639	8,125	10,262	10,665	290,35
7,688	10,772	8,473	6,278	8,593	10,121	10,630	290,4
7,366	11,018	10,889	6,847	8,017	10,156	10,595	290,45
7,187	10,387	9,432	5,000	8,125	10,156	10,630	290,5
7,437	10,843	8,935	2,763	7,981	10,227	10,701	290,55
7,473	10,632	8,260	4,219	8,377	10,297	10,876	290,6
7,974	9,722	8,650	7,877	7,512	10,333	10,947	290,65
7,652	10,317	7,478	6,989	7,873	10,721	11,017	290,7
7,294	9,757	11,209	5,568	8,305	10,509	11,017	290,75
8,010	10,177	10,996	5,284	7,548	10,721	11,052	290,8
7,724	10,808	8,828	7,060	8,341	10,827	11,017	290,85
7,151	10,948	8,473	5,249	7,945	10,686	10,947	290,9
7,223	11,333	8,366	7,202	8,089	10,615	10,912	290,95

6,722	11,753	8,295	9,581	7,945	10,439	10,876	291
7,581	11,648	7,442	10,149	9,242	10,297	10,947	291,05
6,722	11,368	6,767	9,262	9,350	10,403	11,052	291,1
7,008	11,648	6,767	8,977	9,314	10,686	11,158	291,15
6,865	10,808	6,518	7,912	8,954	10,897	11,439	291,2
7,294	10,878	6,802	8,374	9,026	11,003	11,474	291,25
7,259	10,808	7,726	6,207	8,413	11,074	11,474	291,3
7,294	11,228	9,112	5,781	8,377	11,250	11,369	291,35
6,937	11,578	9,965	5,142	8,521	9,980	11,263	291,4
7,616	10,457	9,397	5,071	8,017	10,791	11,193	291,45
7,151	10,702	8,899	7,344	7,909	10,827	11,193	291,5
6,758	12,139	8,473	4,929	7,656	10,756	11,263	291,55
7,366	11,018	8,650	6,420	7,801	10,756	11,298	291,6
7,080	11,368	8,650	7,273	7,620	10,932	11,369	291,65
7,223	10,878	8,686	6,385	7,512	10,827	11,509	291,7
6,972	10,808	8,722	6,705	8,089	10,686	11,650	291,75
6,758	11,508	9,290	5,426	5,782	10,544	11,615	291,8
6,972	12,034	9,219	5,497	7,368	10,333	11,544	291,85
6,865	10,527	7,940	5,852	7,080	10,121	11,474	291,9
6,579	10,457	9,503	6,953	8,377	10,050	11,369	291,95
6,507	10,247	10,001	7,521	10,431	10,333	11,333	292
6,579	10,913	10,285	6,740	11,152	10,192	11,298	292,05
6,794	10,737	10,392	6,811	10,612	9,909	11,404	292,1
7,187	10,948	10,250	5,107	9,314	9,909	11,439	292,15
7,223	11,333	10,001	8,196	9,386	9,945	11,650	292,2
6,794	10,107	9,432	8,196	8,701	9,909	11,720	292,25
6,972	10,212	9,326	7,308	7,765	9,627	11,720	292,3
6,364	10,843	8,615	7,060	7,801	9,662	11,720	292,35
6,257	10,597	8,615	8,516	7,368	9,486	11,650	292,4
6,758	11,368	8,935	9,048	7,548	9,133	11,650	292,45
6,114	10,702	8,757	7,983	7,296	9,027	11,650	292,5
6,615	11,018	7,975	7,948	6,828	8,639	11,579	292,55
6,615	10,948	7,975	7,521	6,251	9,027	11,579	292,6
6,829	10,843	7,193	7,877	6,215	8,639	11,579	292,65
6,221	10,843	8,082	8,090	5,746	9,133	11,685	292,7
6,364	10,808	9,432	7,344	6,539	9,415	11,720	292,75
6,794	10,352	9,077	7,166	6,792	9,345	11,826	292,8
6,364	10,527	8,828	5,355	5,855	9,486	11,861	292,85
6,293	11,228	8,935	4,254	6,647	9,698	11,861	292,9
6,293	10,843	9,077	5,178	7,404	10,050	11,861	292,95
6,472	11,018	8,686	4,680	8,665	10,333	11,790	293
7,151	10,808	8,188	5,426	8,810	10,439	11,650	293,05
6,615	9,582	8,899	6,811	8,701	11,144	11,579	293,1
6,436	10,317	7,549	6,776	8,449	10,086	11,509	293,15
6,114	10,632	8,935	6,420	8,449	9,168	11,474	293,2
6,507	10,352	9,468	6,385	8,918	8,216	11,439	293,25
7,151	10,527	10,498	6,314	7,692	8,075	11,579	293,3
6,972	10,597	12,133	6,563	7,260	8,957	11,685	293,35
6,650	9,266	11,209	5,142	8,233	10,368	11,650	293,4
6,579	9,897	10,427	5,107	8,233	11,144	11,579	293,45
7,938	10,597	10,036	6,918	8,089	10,756	11,544	293,5
7,259	11,438	10,036	7,273	8,485	10,368	11,509	293,55
7,294	11,368	8,722	9,901	7,837	9,945	11,509	293,6
7,044	11,473	8,224	11,605	8,954	9,698	11,579	293,65
6,937	11,193	7,798	10,682	8,449	9,204	11,509	293,7

6,472	11,438	6,554	10,611	8,810	9,415	11,439	293,75
6,364	11,823	6,305	10,007	9,134	9,627	11,228	293,8
6,865	11,263	6,767	9,013	7,801	9,274	11,193	293,85
7,223	10,667	7,726	7,663	8,377	8,357	11,298	293,9
6,507	10,667	7,762	7,841	8,521	8,286	11,333	293,95
6,543	10,808	7,655	7,770	8,990	7,934	11,439	294
6,364	11,193	9,219	5,710	7,080	7,934	11,439	294,05
6,472	10,597	9,574	5,604	7,837	8,921	11,439	294,1
6,221	10,527	9,361	4,609	8,810	9,345	11,439	294,15
7,008	10,948	8,828	5,142	8,629	9,627	11,439	294,2
7,259	10,317	8,828	6,740	7,801	10,192	11,474	294,25
6,722	11,788	8,579	6,563	7,801	10,050	11,369	294,3
7,187	10,317	8,650	7,983	8,269	9,909	11,333	294,35
6,937	10,737	9,752	7,770	8,485	8,992	11,298	294,4
7,044	10,387	9,503	7,060	7,548	8,357	11,263	294,45
7,115	11,123	9,645	6,598	8,089	8,745	11,333	294,5
6,901	11,193	9,717	6,385	8,701	8,569	11,439	294,55
6,937	12,349	9,397	6,989	10,720	8,604	11,439	294,6
6,937	11,648	8,935	7,202	8,774	8,533	11,439	294,65
7,437	11,648	8,117	7,344	9,242	8,992	11,509	294,7
6,794	12,069	9,255	8,019	9,783	9,133	11,509	294,75
7,044	11,158	9,183	7,024	10,720	9,627	11,474	294,8
6,722	10,878	9,219	6,847	11,080	9,945	11,544	294,85
7,437	10,808	9,539	6,634	9,711	10,156	11,579	294,9
7,294	9,967	10,569	7,095	9,026	10,544	11,755	294,95
6,829	9,897	11,138	7,415	8,197	10,615	11,826	295
7,366	10,212	10,925	6,527	6,936	10,474	11,931	295,05
8,117	10,317	10,960	7,131	7,620	10,439	11,931	295,1
7,223	10,527	10,747	7,912	7,729	10,509	11,861	295,15
7,724	11,158	10,783	10,185	9,134	10,580	11,720	295,2
7,294	11,578	9,752	8,906	7,801	10,192	11,615	295,25
7,294	10,913	9,041	8,125	9,675	10,227	11,439	295,3
7,008	10,948	8,864	7,912	9,458	10,156	11,298	295,35
7,402	10,527	8,579	8,871	8,774	10,192	11,122	295,4
7,330	10,597	8,295	8,480	9,134	10,262	11,158	295,45
7,724	11,508	8,188	7,699	6,936	10,297	11,158	295,5
7,759	11,193	8,011	8,551	7,044	10,403	11,298	295,55
7,581	11,088	9,006	7,344	6,936	9,980	11,439	295,6
7,080	10,247	8,864	7,735	8,305	9,451	11,474	295,65
7,581	11,088	8,437	7,592	8,197	9,627	11,439	295,7
7,509	10,527	7,122	6,172	6,900	9,345	11,439	295,75
7,974	11,508	8,473	7,131	6,467	9,415	11,333	295,8
7,366	11,928	7,762	6,847	5,422	9,486	11,052	295,85
7,724	11,438	7,193	7,131	5,026	9,486	11,298	295,9
7,688	11,438	8,046	6,563	4,701	9,380	11,193	295,95
7,974	11,648	7,798	5,746	5,602	9,274	11,158	296
7,902	11,893	8,046	6,634	6,539	9,415	11,298	296,05
8,367	12,909	9,219	6,207	8,377	9,839	11,158	296,1
8,511	12,664	9,183	6,456	7,801	9,204	11,052	296,15
8,153	11,578	8,935	5,462	9,386	9,027	11,052	296,2
7,867	10,913	8,828	5,071	8,701	9,415	11,017	296,25
7,509	10,562	8,224	5,888	8,738	9,345	11,052	296,3
7,974	10,317	8,793	6,492	8,017	9,133	10,982	296,35
7,437	11,438	9,503	6,314	8,017	8,921	10,806	296,4
7,294	11,263	10,214	5,178	7,801	9,133	10,736	296,45

7,259	11,823	10,427	6,278	6,683	9,345	10,806	296,5
7,437	11,438	9,539	5,888	6,828	9,168	10,876	296,55
7,294	11,158	9,183	8,445	5,746	9,521	10,947	296,6
6,865	10,948	8,935	9,333	4,161	9,909	11,017	296,65
6,865	11,298	8,295	10,433	4,521	9,521	11,122	296,7
6,829	11,088	8,402	10,185	6,575	9,698	11,122	296,75
6,758	11,158	8,686	8,906	8,017	9,627	11,122	296,8
7,151	10,702	9,752	8,090	8,738	9,662	11,298	296,85
7,795	11,368	9,894	6,918	8,125	9,733	11,017	296,9
8,189	11,368	9,894	7,060	9,314	9,698	11,158	296,95
8,511	10,737	10,143	5,781	8,269	9,662	11,158	297
8,868	10,142	9,219	6,776	8,665	9,451	11,298	297,05
7,616	10,212	9,823	7,344	8,738	9,803	11,298	297,1
7,294	9,932	9,823	6,705	9,026	9,415	11,298	297,15
7,259	11,368	9,788	6,207	9,747	9,451	11,298	297,2
6,507	10,808	9,859	5,852	12,017	9,310	11,298	297,25
6,472	11,263	8,935	6,634	10,107	9,239	11,333	297,3
6,472	12,209	9,077	7,983	8,161	9,310	11,158	297,35
7,759	12,139	9,006	7,592	6,864	9,486	10,876	297,4
6,579	12,069	9,432	9,581	7,008	10,121	11,017	297,45
7,831	12,314	7,513	8,480	8,377	10,050	11,087	297,5
7,366	11,088	7,300	7,877	8,738	9,909	11,052	297,55
8,439	10,527	7,549	7,699	8,738	9,803	11,087	297,6
7,831	10,212	8,046	6,918	9,458	9,839	11,193	297,65
7,724	11,508	9,290	6,847	9,242	9,627	10,982	297,7
7,437	10,983	9,006	6,705	8,449	9,662	11,017	297,75
7,473	11,158	9,219	5,639	8,233	9,698	11,087	297,8
7,795	11,823	9,574	6,598	9,638	9,662	11,087	297,85
7,724	11,683	8,615	6,349	11,188	9,521	11,017	297,9
7,187	12,839	8,757	5,923	9,530	9,133	11,052	297,95
7,330	13,084	8,793	7,557	9,675	8,569	11,158	298
7,437	12,489	7,691	8,693	7,404	8,604	11,298	298,05
7,437	12,069	7,264	9,936	6,539	9,133	11,298	298,1
7,294	12,384	6,518	9,155	7,512	9,415	11,298	298,15
8,010	12,069	8,579	7,948	8,449	9,486	11,228	298,2
7,795	11,403	8,082	7,628	7,548	9,486	11,087	298,25
7,652	11,473	9,326	7,948	5,855	9,592	11,017	298,3
8,117	11,368	9,539	6,278	7,224	9,521	10,947	298,35
7,938	11,123	9,823	5,142	6,864	9,627	10,912	298,4
7,151	10,282	10,392	4,467	6,756	9,556	10,701	298,45
7,259	10,142	9,503	4,467	8,629	9,239	10,876	298,5
7,616	10,177	9,752	7,131	8,161	9,274	10,841	298,55
7,581	10,878	9,006	6,527	8,701	9,662	10,876	298,6
7,724	11,018	9,361	4,645	8,810	10,015	10,806	298,65
7,294	12,244	8,579	6,705	8,017	10,227	10,876	298,7
7,724	12,524	8,046	6,563	9,675	10,439	10,841	298,75
7,867	12,384	7,300	8,800	10,612	10,509	10,806	298,8
7,724	12,244	6,483	8,977	9,494	10,721	10,806	298,85
7,616	12,489	6,589	8,835	9,314	11,003	11,017	298,9
7,509	12,944	7,158	7,699	8,774	10,650	11,017	298,95
7,795	12,139	8,650	7,202	10,179	10,368	11,017	299
7,366	11,578	10,747	5,923	9,675	10,192	10,947	299,05
7,652	10,913	12,879	3,615	9,386	10,050	10,876	299,1
7,867	10,597	11,813	2,052	9,098	9,839	10,841	299,15
8,117	9,827	10,960	2,514	8,521	10,192	10,876	299,2

7,902	9,652	10,640	9,013	8,665	10,580	10,876	299,25
7,688	10,457	10,107	9,972	8,161	10,403	10,947	299,3
7,831	9,827	10,747	9,510	9,062	10,403	10,982	299,35
7,724	9,231	9,752	9,759	8,665	10,227	11,017	299,4
7,581	10,107	9,788	10,398	9,098	9,945	11,158	299,45
7,151	10,772	9,823	9,688	8,557	9,768	11,052	299,5
7,330	11,928	9,326	8,480	9,098	9,662	10,947	299,55
7,366	13,890	8,650	8,551	8,449	9,733	11,087	299,6
7,724	13,470	7,798	8,445	8,053	9,839	11,439	299,65
7,115	12,349	7,229	8,019	7,945	9,945	10,771	299,7
7,259	10,737	6,731	8,267	7,440	10,156	10,947	299,75
7,616	10,317	5,665	7,237	8,485	10,262	10,876	299,8
7,044	10,317	4,031	7,450	8,377	10,297	10,947	299,85
7,115	10,772	7,940	6,492	7,837	9,909	11,052	299,9
7,437	9,967	9,183	6,385	7,368	9,627	11,087	299,95
7,080	11,683	10,356	4,751	7,512	9,310	11,052	300
7,151	11,018	10,569	7,521	8,161	9,415	10,841	300,05
7,974	11,823	10,214	6,598	8,053	9,803	10,701	300,1
7,974	12,594	9,112	6,776	9,386	10,015	10,665	300,15
7,330	11,683	9,645	7,592	10,395	9,980	10,419	300,2
7,187	10,387	9,255	8,835	9,819	9,556	10,173	300,25
7,509	10,527	8,650	8,800	8,449	8,992	10,419	300,3
7,115	9,582	7,940	9,013	9,098	9,521	10,947	300,35
7,008	9,687	7,513	8,267	8,593	9,874	10,595	300,4
7,187	9,967	10,107	8,338	7,224	9,768	10,947	300,45
7,187	11,403	9,681	8,516	7,296	9,909	10,947	300,5
6,722	11,088	9,148	7,131	7,476	9,627	10,947	300,55
7,652	11,298	8,722	7,521	9,242	9,627	10,876	300,6
8,153	10,772	9,468	7,273	9,819	9,874	10,736	300,65
7,616	10,527	8,650	7,273	10,071	10,015	10,665	300,7
7,652	9,547	6,376	6,776	9,386	10,262	10,595	300,75
7,259	8,531	10,001	6,776	9,530	10,121	10,665	300,8
6,758	9,582	8,402	7,344	9,026	9,980	10,771	300,85
7,115	11,718	9,290	7,521	8,846	10,121	10,912	300,9
7,187	12,384	10,036	6,243	8,521	10,050	10,982	300,95
7,652	13,680	8,757	7,841	8,485	10,050	11,158	301
7,902	12,349	8,011	7,060	8,701	10,050	11,158	301,05
7,509	10,843	6,802	8,977	8,089	9,839	11,017	301,1
7,115	10,527	6,660	9,190	9,494	9,803	10,912	301,15
6,937	10,072	5,914	7,983	8,197	9,874	10,841	301,2
7,402	10,247	6,767	7,344	8,557	9,839	10,736	301,25
7,008	9,862	6,945	6,776	7,440	9,768	10,771	301,3
7,294	10,983	9,219	6,740	7,008	9,627	10,876	301,35
7,008	11,438	11,138	5,781	8,233	9,556	11,052	301,4
7,080	10,878	10,178	6,314	8,089	9,415	11,193	301,45
8,117	11,123	9,183	5,781	8,197	9,521	11,298	301,5
7,366	10,808	9,183	6,847	8,810	9,627	11,369	301,55
7,902	11,368	8,650	6,492	8,557	10,192	11,298	301,6
7,294	11,368	8,224	6,989	9,170	9,768	11,087	301,65
6,794	11,123	8,011	8,161	9,314	10,192	10,982	301,7
7,044	10,913	7,442	8,480	9,350	10,509	10,876	301,75
7,044	11,088	7,371	8,232	8,485	10,156	10,947	301,8
6,686	10,843	8,366	7,521	8,665	10,192	11,193	301,85
6,436	11,228	9,219	7,628	8,305	10,580	10,982	301,9
7,330	11,648	9,361	6,243	8,990	10,580	11,052	301,95

7,330	11,648	8,722	6,420	8,954	10,615	10,912	302
7,008	10,597	9,290	5,355	9,062	10,439	10,736	302,05
6,722	11,368	8,544	5,568	8,738	10,333	11,052	302,1
7,115	10,913	7,798	5,852	8,918	10,227	10,876	302,15
7,437	10,667	7,798	5,213	9,098	10,121	11,158	302,2
7,616	11,438	8,366	5,639	9,458	10,121	10,560	302,25
7,509	10,772	9,717	5,781	8,810	10,121	10,525	302,3
7,115	10,247	9,717	5,746	9,675	10,192	10,525	302,35
7,080	10,247	10,072	4,396	9,602	10,050	10,630	302,4
6,901	10,282	9,681	5,462	9,566	10,121	10,701	302,45
6,794	9,547	9,183	7,024	10,900	9,945	10,912	302,5
7,151	10,878	8,935	6,243	8,846	9,980	11,158	302,55
6,937	11,928	8,615	7,912	9,819	10,262	11,122	302,6
7,545	12,139	8,686	8,835	9,999	10,580	10,982	302,65
7,366	12,524	8,437	8,693	10,323	10,544	10,876	302,7
8,010	11,648	7,655	6,776	9,422	9,768	10,736	302,75
7,366	11,018	7,798	7,060	9,675	9,698	10,630	302,8
7,330	9,967	8,011	6,776	9,494	10,192	10,701	302,85
7,115	10,247	6,696	8,196	9,242	9,521	10,595	302,9
7,294	10,107	6,696	8,019	9,134	9,662	10,595	302,95
7,008	10,177	8,757	8,835	7,945	9,310	10,595	303
6,650	11,053	9,610	8,445	8,089	10,791	10,701	303,05
7,509	11,438	9,610	8,161	7,729	9,662	10,665	303,1
8,046	10,247	8,935	6,776	7,584	9,698	10,630	303,15
7,724	10,072	8,508	6,030	8,593	9,063	10,665	303,2
6,829	9,547	8,757	5,710	7,729	10,015	10,736	303,25
7,187	11,438	7,798	6,492	7,801	10,262	10,841	303,3
7,366	10,772	7,371	7,273	7,188	10,050	10,876	303,35
7,795	10,527	7,691	7,202	7,873	9,768	10,806	303,4
8,260	10,352	7,798	7,628	7,945	9,945	10,736	303,45
7,902	11,648	8,935	6,634	8,449	9,945	10,630	303,5
7,724	11,648	8,544	6,776	7,152	9,909	10,701	303,55
7,151	10,247	7,229	5,852	7,765	10,297	10,806	303,6
7,044	10,948	8,046	6,634	7,512	10,368	10,876	303,65
7,080	11,788	6,660	8,338	7,548	10,439	10,947	303,7
6,794	11,928	6,198	6,598	7,729	10,333	11,052	303,75
7,259	12,069	7,407	7,450	7,945	10,403	10,982	303,8
6,615	11,998	8,544	7,344	8,701	10,333	10,947	303,85
6,794	11,928	8,793	6,563	8,197	10,544	10,876	303,9
6,937	10,878	8,153	4,787	10,395	10,192	10,876	303,95
7,223	10,352	8,437	6,563	9,566	9,803	10,876	304
6,794	10,843	9,077	4,290	10,323	9,839	10,806	304,05
6,865	9,722	8,117	6,776	10,251	9,733	10,736	304,1
8,260	9,511	9,148	4,645	10,215	10,262	10,876	304,15
7,616	9,336	12,417	4,893	9,350	10,121	10,947	304,2
7,473	9,511	12,559	5,497	9,314	10,333	10,982	304,25
7,259	9,617	12,133	5,533	8,593	10,121	11,052	304,3
7,581	9,687	11,280	6,420	8,882	10,086	11,052	304,35
7,115	9,967	9,859	6,492	9,206	10,227	11,087	304,4
7,581	9,547	10,036	7,912	8,593	10,827	10,912	304,45
7,330	10,387	9,077	11,108	8,701	10,862	10,982	304,5
7,223	11,228	10,143	11,676	8,665	10,544	10,806	304,55
6,686	12,104	10,463	11,073	8,521	10,050	10,982	304,6
7,366	12,769	9,219	10,540	8,449	10,333	10,806	304,65
6,972	12,209	8,366	10,860	8,017	10,474	10,876	304,7

7,151	11,928	7,407	11,250	7,909	9,733	10,876	304,75
6,615	10,317	7,513	12,919	7,044	10,121	10,982	304,8
6,794	10,002	7,371	9,617	8,125	9,980	10,982	304,85
6,937	9,757	6,802	7,557	7,873	10,227	10,876	304,9
6,794	9,582	8,153	7,060	7,296	10,192	10,806	304,95
7,044	10,492	8,437	10,895	7,404	10,333	10,947	305
7,473	10,597	8,402	8,800	7,404	9,521	10,876	305,05
7,366	9,897	7,691	9,546	7,656	9,027	10,876	305,1
6,650	9,757	7,833	8,267	7,584	8,921	10,947	305,15
6,543	10,352	8,011	7,663	7,837	9,592	11,158	305,2
6,865	11,893	8,437	7,308	7,837	9,909	10,841	305,25
6,507	11,928	7,229	6,989	7,512	10,192	10,876	305,3
6,972	11,718	7,513	6,989	7,945	10,227	10,912	305,35
6,865	11,438	6,802	7,131	7,260	10,156	11,017	305,4
6,937	11,403	6,945	6,492	8,738	10,297	10,912	305,45
7,437	11,088	7,904	6,776	8,449	10,686	11,087	305,5
7,294	11,648	7,513	5,249	8,774	10,474	11,158	305,55
7,151	11,263	9,859	5,568	8,485	10,439	11,158	305,6
7,652	9,967	11,635	3,615	8,954	10,509	11,087	305,65
7,151	10,037	11,991	3,438	8,954	10,544	10,982	305,7
6,615	9,792	11,849	3,224	9,170	10,156	11,052	305,75
6,221	9,371	10,640	6,136	9,458	9,803	10,982	305,8
6,686	9,371	10,498	5,355	9,458	10,050	11,017	305,85
6,543	10,457	9,006	6,101	9,566	9,980	10,982	305,9
6,794	11,123	9,255	9,510	9,170	10,050	10,982	305,95
6,937	10,772	8,188	10,220	9,602	9,945	11,017	306
7,294	11,018	8,579	9,901	9,638	9,768	11,017	306,05
7,294	10,843	7,762	8,835	10,323	9,451	11,158	306,1
6,972	10,948	7,762	8,303	10,539	9,274	11,193	306,15
6,722	11,368	8,793	7,202	10,972	9,204	11,052	306,2
7,008	11,508	9,183	6,420	10,648	9,168	10,982	306,25
6,972	11,718	8,935	6,918	10,720	9,027	10,876	306,3
7,080	12,034	10,072	8,338	10,612	8,921	10,806	306,35
6,937	11,473	9,859	6,456	11,080	9,168	10,876	306,4
6,507	11,823	9,219	5,213	9,278	9,274	10,982	306,45
6,722	10,317	8,650	4,645	8,882	9,345	11,087	306,5
6,364	11,298	10,036	5,959	8,593	9,698	11,193	306,55
7,115	10,527	10,712	5,923	9,026	9,486	11,439	306,6
6,972	10,632	10,712	6,243	8,738	9,521	11,579	306,65
6,865	9,757	10,498	7,344	8,377	9,380	11,685	306,7
7,115	9,547	9,645	7,699	8,413	9,451	11,579	306,75
7,115	10,387	9,041	7,948	9,098	9,556	11,474	306,8
7,044	10,562	10,285	7,592	8,954	9,662	11,193	306,85
7,294	10,387	9,503	11,676	9,566	9,839	10,947	306,9
6,579	10,142	9,183	11,108	9,098	9,945	10,947	306,95
7,151	10,177	8,935	11,321	9,170	10,050	11,017	307
7,330	10,317	8,153	8,693	8,125	10,333	11,228	307,05
7,724	9,336	7,584	8,516	10,612	10,509	11,298	307,1
7,008	9,266	7,051	8,942	9,999	10,439	11,369	307,15
6,722	9,617	7,229	8,693	9,711	9,980	11,509	307,2
7,259	9,967	6,731	8,480	8,665	9,980	11,579	307,25
7,151	11,053	6,589	7,344	8,269	9,909	11,509	307,3
6,579	11,018	7,300	7,060	7,945	9,909	11,333	307,35
6,615	10,282	7,300	6,634	7,945	9,909	11,193	307,4
6,722	11,298	6,980	5,781	8,017	9,909	11,052	307,45

7,044	11,578	7,300	6,172	7,656	9,733	10,982	307,5
7,938	11,263	7,371	7,308	8,629	9,698	11,017	307,55
6,686	11,403	7,975	7,060	8,918	9,486	11,087	307,6
7,008	12,069	8,793	6,101	9,783	9,274	11,158	307,65
6,293	10,597	8,188	7,415	10,035	9,698	11,298	307,7
7,044	10,002	8,366	6,776	8,990	9,803	11,369	307,75
7,223	9,862	8,935	4,716	8,738	9,803	11,298	307,8
7,223	10,562	9,717	5,781	9,386	9,662	11,369	307,85
8,296	10,352	10,925	5,497	8,846	9,909	11,263	307,9
8,117	7,760	11,351	4,965	8,341	10,121	11,193	307,95
7,187	9,406	10,676	6,776	8,017	9,909	11,017	308
6,937	8,916	10,498	7,060	8,161	9,733	10,982	308,05
7,044	9,687	10,463	7,770	8,701	9,592	10,841	308,1
6,042	9,196	10,498	8,587	7,801	9,274	10,806	308,15
5,863	10,352	9,681	8,693	9,314	9,415	10,841	308,2
6,865	10,737	9,788	8,764	8,738	9,451	10,947	308,25
7,294	9,687	8,402	8,977	8,269	9,839	11,052	308,3
7,366	10,072	9,397	9,404	7,188	9,980	11,193	308,35
7,366	11,018	9,361	10,469	7,332	9,909	11,439	308,4
8,081	10,878	9,468	10,966	7,476	9,909	11,298	308,45
7,867	9,757	8,615	10,220	8,269	10,121	11,298	308,5
7,938	9,967	8,935	10,682	7,620	10,156	11,298	308,55
7,759	9,827	9,219	10,540	8,197	9,733	11,158	308,6
7,437	9,687	7,087	9,972	8,377	9,733	11,017	308,65
7,437	9,652	6,660	8,835	7,692	9,698	10,806	308,7
7,437	9,967	8,366	9,190	7,044	9,909	10,595	308,75
7,151	11,018	8,437	9,368	6,936	10,050	10,595	308,8
6,829	11,543	7,158	7,841	6,071	10,086	10,630	308,85
7,867	11,158	7,798	7,131	6,503	10,227	10,736	308,9
7,294	12,349	6,660	6,101	7,440	10,403	10,876	308,95
7,759	10,667	7,620	8,019	7,296	10,650	11,087	309
7,187	9,862	5,523	7,557	7,296	10,968	11,122	309,05
7,223	10,422	6,092	6,669	7,080	11,250	11,017	309,1
7,402	11,123	6,412	6,989	7,296	11,391	10,947	309,15
6,794	11,438	7,371	5,710	7,945	11,462	10,876	309,2
7,724	11,508	8,864	5,568	6,467	11,179	10,806	309,25
9,369	10,247	9,432	4,751	7,656	10,580	10,736	309,3
9,119	10,142	10,534	4,751	7,440	10,580	10,665	309,35
8,046	8,846	9,788	4,680	7,440	10,827	10,701	309,4
7,688	7,445	8,366	5,426	6,683	10,897	10,701	309,45
7,509	7,620	8,508	5,710	7,188	11,038	10,806	309,5
7,652	6,114	9,290	6,563	8,233	11,250	10,876	309,55
7,187	10,037	9,041	7,521	8,954	11,250	11,017	309,6
7,008	12,349	9,183	6,953	9,602	10,509	11,017	309,65
7,223	12,244	8,473	7,060	9,314	10,297	11,122	309,7
7,294	11,403	7,869	6,918	8,629	10,615	11,087	309,75
6,615	10,983	7,158	8,409	8,954	10,968	11,017	309,8
7,080	11,508	6,376	7,344	9,458	10,580	10,947	309,85
7,330	11,928	6,269	6,136	9,891	10,156	10,876	309,9
8,725	12,279	6,873	6,065	10,215	10,580	10,806	309,95
8,582	10,387	7,229	5,249	10,792	10,156	10,876	310
7,294	9,932	7,229	4,858	9,134	10,333	10,912	310,05
7,151	9,091	8,970	5,710	8,918	9,274	10,982	310,1
6,937	10,387	9,006	4,538	8,738	9,698	11,052	310,15
6,257	10,037	8,508	3,189	9,026	9,698	11,158	310,2

6,543	9,091	9,503	3,651	10,071	9,662	11,158	310,25
6,364	9,827	10,356	4,929	10,251	9,698	11,228	310,3
6,650	10,632	11,422	6,030	10,395	9,662	11,193	310,35
6,972	11,438	11,209	6,953	10,612	9,662	11,087	310,4
7,545	10,527	10,107	6,953	9,458	9,556	11,017	310,45
7,652	9,371	10,036	7,202	9,891	9,451	10,982	310,5
7,652	9,652	9,468	9,190	9,386	9,627	11,017	310,55
7,795	10,247	8,508	8,480	10,972	9,627	11,087	310,6
7,581	9,231	8,046	8,835	8,665	9,592	11,158	310,65
7,867	9,932	7,051	8,090	8,305	9,486	11,193	310,7
7,080	10,527	8,970	7,344	8,233	9,310	11,193	310,75
6,829	11,648	7,229	7,841	8,738	9,310	11,158	310,8
6,865	11,368	6,731	7,628	8,485	9,345	11,052	310,85
6,507	11,438	4,777	6,705	8,629	9,803	11,017	310,9
8,046	11,158	6,945	7,592	9,494	10,192	11,158	310,95
7,151	11,508	8,508	6,563	8,918	10,262	11,298	311
6,722	11,368	8,437	6,278	9,062	10,262	11,369	311,05
7,080	11,018	8,793	6,705	8,738	10,580	11,369	311,1
7,259	10,878	9,539	7,273	8,629	10,721	11,298	311,15
7,688	10,983	8,757	6,776	8,233	10,721	11,228	311,2
6,794	11,018	7,833	5,462	8,846	10,262	11,228	311,25
7,080	10,457	7,264	5,959	8,233	9,839	11,263	311,3
6,829	9,687	8,544	5,568	7,801	9,768	11,333	311,35
7,080	9,476	7,549	4,858	7,440	9,768	11,439	311,4
7,187	11,368	9,361	6,456	8,017	9,556	11,579	311,45
7,044	11,788	9,112	6,634	8,161	9,486	11,509	311,5
7,759	11,648	9,112	8,054	8,738	9,451	11,474	311,55
7,151	11,193	8,295	7,983	9,963	9,380	11,439	311,6
6,972	10,527	8,046	6,989	10,251	9,415	11,439	311,65
7,151	10,632	7,726	9,084	8,738	9,698	11,439	311,7
7,902	10,948	6,980	9,084	8,954	9,909	11,474	311,75
7,294	11,683	7,122	8,196	9,242	10,121	11,509	311,8
7,902	11,683	7,051	7,735	9,350	10,262	11,579	311,85
7,616	12,349	7,442	6,527	8,990	10,580	11,650	311,9
8,189	11,368	6,625	7,415	8,629	10,474	11,579	311,95
7,724	10,808	6,660	6,349	8,990	10,192	11,439	312
7,294	9,371	6,554	5,391	9,386	9,909	11,228	312,05
7,294	10,808	7,904	4,645	6,972	9,909	11,228	312,1
7,294	12,104	9,752	4,787	5,062	10,368	11,193	312,15
7,509	10,632	10,534	3,082	9,026	10,897	11,228	312,2
7,581	10,948	10,072	3,011	9,494	10,827	11,052	312,25
7,437	10,913	8,828	4,148	8,125	10,650	11,017	312,3
7,437	10,597	9,432	5,888	7,801	10,439	11,087	312,35
7,437	10,527	9,574	6,740	8,017	10,474	11,052	312,4
7,724	11,018	9,290	8,125	6,936	10,050	11,017	312,45
7,581	11,228	8,828	8,764	6,792	10,156	11,017	312,5
7,294	10,878	8,153	7,912	7,224	10,509	10,876	312,55
7,437	11,228	8,722	6,705	6,107	10,509	10,806	312,6
7,437	10,772	9,255	6,811	6,864	10,262	10,806	312,65
6,937	9,827	8,473	7,592	5,927	10,227	10,771	312,7
7,044	9,827	8,295	6,918	7,476	10,015	10,806	312,75
6,686	8,951	8,046	5,746	8,918	10,121	10,771	312,8
7,366	10,387	7,975	7,095	8,233	10,368	10,771	312,85
7,437	11,298	8,153	6,882	7,260	10,015	10,665	312,9
7,759	10,667	9,681	7,983	7,440	9,768	10,736	312,95

7,509	9,231	9,788	7,486	8,017	9,945	10,771	313
7,008	8,776	9,006	6,847	8,485	10,403	10,806	313,05
7,616	9,932	8,793	5,604	9,098	10,262	10,806	313,1
6,579	11,018	8,970	6,207	8,485	10,262	10,736	313,15
7,366	10,632	8,544	7,806	8,233	10,368	10,736	313,2
7,581	10,142	8,437	9,546	8,810	10,156	10,876	313,25
7,259	11,263	7,655	8,019	7,981	10,156	10,982	313,3
7,330	9,722	7,407	7,735	8,017	9,909	11,158	313,35
7,437	11,228	6,589	7,770	8,954	9,909	11,193	313,4
7,437	11,438	6,696	8,090	9,242	9,803	11,298	313,45
7,509	10,387	6,802	7,450	9,278	9,451	11,369	313,5
7,294	10,107	7,940	7,202	8,629	9,204	11,439	313,55
7,867	11,228	9,503	6,847	8,521	9,168	11,298	313,6
7,294	11,368	8,402	5,107	8,810	9,274	11,193	313,65
6,794	9,967	7,549	6,349	8,701	9,486	11,087	313,7
6,758	9,617	6,802	6,705	8,233	9,733	11,052	313,75
7,545	11,228	7,691	5,284	7,224	10,121	11,087	313,8
7,223	10,737	8,366	6,207	7,224	9,627	11,298	313,85
7,759	11,088	9,788	6,776	6,575	9,592	11,439	313,9
8,010	11,368	10,321	6,420	8,377	9,980	11,544	313,95
7,294	11,438	10,036	7,486	7,584	9,839	11,509	314
7,938	10,562	9,255	6,669	8,810	10,333	11,439	314,05
7,437	11,788	8,437	5,178	9,675	9,980	11,228	314,1
7,437	10,597	7,584	6,563	9,314	9,909	11,158	314,15
7,294	10,983	7,726	6,989	9,134	9,698	11,122	314,2
7,652	10,492	8,046	7,628	9,098	10,086	11,158	314,25
7,259	11,333	8,935	7,202	9,242	9,874	11,263	314,3
6,650	10,317	8,899	6,314	8,954	9,803	11,439	314,35
7,867	10,247	8,650	6,705	8,557	9,556	11,615	314,4
7,330	11,158	8,935	5,284	9,350	9,592	11,790	314,45
7,259	11,998	8,757	5,781	8,377	9,698	11,826	314,5
8,224	12,174	8,935	5,852	8,593	9,980	11,650	314,55
7,795	11,333	9,645	6,492	7,584	9,945	11,369	314,6
7,473	10,072	9,681	6,492	8,089	10,192	11,158	314,65
7,581	9,126	8,722	6,918	5,206	10,192	11,017	314,7
7,652	10,983	8,650	6,776	9,026	9,945	11,052	314,75
7,545	10,422	9,183	5,888	8,990	9,733	11,158	314,8
6,615	10,632	9,539	7,415	8,161	9,592	11,158	314,85
6,972	11,508	8,686	7,344	9,098	9,627	11,193	314,9
6,901	12,349	8,437	6,456	9,062	10,121	11,298	314,95
6,794	11,718	7,620	8,054	9,566	10,368	11,439	315
7,509	11,963	7,726	8,906	8,738	10,580	11,333	315,05
6,865	11,858	7,726	7,983	8,629	10,827	11,087	315,1
7,724	10,737	8,402	7,486	9,026	10,050	11,017	315,15
7,616	9,827	9,361	7,699	8,954	9,451	10,876	315,2
7,437	10,002	8,899	5,675	9,566	9,627	10,665	315,25
7,151	9,967	9,041	5,533	9,026	9,980	10,525	315,3
7,223	10,037	8,935	6,456	9,026	9,980	10,419	315,35
7,366	9,792	9,006	6,492	8,557	10,297	10,279	315,4
7,080	9,722	9,752	9,262	8,665	10,509	10,349	315,45
6,972	10,878	9,645	8,871	8,233	10,615	10,419	315,5
6,937	11,368	8,899	7,628	7,584	10,403	10,701	315,55
7,115	11,963	8,473	7,948	6,972	10,192	10,876	315,6
6,829	11,788	7,051	8,480	6,864	10,262	10,876	315,65
6,829	11,368	6,518	9,688	7,404	9,839	10,736	315,7

6,686	10,878	6,234	9,190	8,413	9,839	10,560	315,75
7,008	10,037	5,914	8,338	9,566	9,592	10,454	315,8
5,899	11,088	6,589	9,368	8,125	9,556	10,419	315,85
7,366	9,547	7,975	6,989	7,873	9,274	10,454	315,9
6,436	10,247	9,183	6,349	7,152	9,098	10,595	315,95
6,722	10,422	10,143	7,060	6,756	9,345	10,771	316
7,080	9,266	9,361	4,574	7,512	9,415	10,982	316,05
7,080	9,722	9,112	4,148	7,440	9,451	11,158	316,1
7,724	9,827	9,788	5,710	7,512	9,627	11,052	316,15
7,867	9,266	8,793	6,172	6,611	9,733	10,876	316,2
7,509	10,352	8,615	6,527	5,782	9,909	10,806	316,25
7,115	9,652	9,077	7,628	6,611	9,980	10,841	316,3
7,294	8,986	8,295	8,196	6,719	10,227	10,525	316,35
8,046	9,441	8,402	8,693	8,161	9,839	10,454	316,4
7,616	10,667	7,442	7,592	7,729	9,909	10,595	316,45
7,187	10,983	7,513	8,658	7,296	9,909	10,736	316,5
6,579	11,368	7,798	7,699	7,008	10,015	10,736	316,55
6,543	11,788	7,620	8,267	8,341	10,050	10,736	316,6
6,650	11,718	6,767	7,202	8,557	9,980	10,841	316,65
6,042	10,527	6,909	7,415	8,269	9,733	10,876	316,7
6,436	11,648	7,051	7,202	6,647	10,050	10,876	316,75
6,543	11,543	8,260	6,243	8,125	10,050	10,806	316,8
7,437	9,862	8,579	5,639	9,350	10,262	10,736	316,85
7,581	9,757	8,402	5,639	10,323	10,192	10,771	316,9
7,437	9,056	10,072	5,284	11,080	10,086	10,736	316,95
7,581	9,056	11,707	4,858	11,873	9,698	10,665	317
6,937	8,250	11,778	4,538	14,323	9,627	10,806	317,05
6,758	8,671	10,996	4,290	9,314	9,768	10,736	317,1
6,364	10,002	11,067	5,213	11,080	9,803	10,806	317,15
6,436	10,527	9,859	8,054	12,197	9,909	10,876	317,2
6,937	10,737	9,361	8,622	11,837	9,909	10,876	317,25
7,151	11,438	8,650	9,972	9,891	9,698	10,771	317,3
7,831	10,772	8,473	11,250	7,801	9,239	10,595	317,35
7,509	11,088	8,615	10,611	7,296	8,886	10,314	317,4
7,581	10,387	7,798	10,291	7,620	9,380	10,173	317,45
7,008	9,827	6,412	9,119	8,629	9,980	10,173	317,5
6,722	9,757	7,158	8,764	9,206	9,874	10,103	317,55
7,330	10,527	8,508	7,806	8,197	10,050	10,138	317,6
7,151	10,808	8,188	7,770	7,692	9,733	10,384	317,65
6,293	12,979	8,757	7,166	7,801	10,050	10,701	317,7
6,114	12,069	8,153	7,486	7,584	10,192	11,052	317,75
6,543	10,282	7,371	5,710	7,692	9,627	12,001	317,8
7,187	9,862	6,980	5,284	7,296	9,345	10,771	317,85
7,294	9,687	7,335	6,314	7,368	9,380	10,384	317,9
7,616	9,687	8,402	5,426	7,260	9,133	10,244	317,95
7,509	9,722	9,645	5,568	9,242	9,239	10,314	318
7,259	9,897	11,209	5,355	8,089	9,380	10,454	318,05
7,366	10,843	10,676	5,639	7,368	9,698	10,595	318,1
7,259	10,282	10,214	5,142	7,512	9,909	10,806	318,15
6,722	10,983	9,610	6,740	7,620	9,839	11,052	318,2
7,008	11,298	9,006	6,030	7,476	9,733	11,228	318,25
7,366	13,049	8,970	7,237	9,422	10,156	11,369	318,3
7,008	12,454	7,869	7,273	8,125	10,403	11,298	318,35
6,686	12,699	8,188	7,060	9,278	10,509	11,122	318,4
6,543	10,667	7,122	7,024	8,377	10,721	10,947	318,45

6,579	10,457	6,163	7,202	8,413	10,439	10,806	318,5
6,686	10,422	7,158	6,243	8,810	10,050	10,665	318,55
6,221	10,422	11,351	6,278	9,422	9,627	10,665	318,6
7,473	10,772	11,707	5,320	8,665	9,274	10,665	318,65
7,437	9,932	11,849	5,213	10,503	9,451	10,630	318,7
7,724	9,056	11,209	4,929	10,323	9,768	10,490	318,75
7,402	10,177	10,427	6,492	7,981	9,839	10,384	318,8
6,937	9,827	9,681	7,273	7,368	10,050	10,349	318,85
6,722	10,177	9,326	10,185	7,296	10,262	10,384	318,9
6,507	9,827	9,183	11,960	7,476	10,121	10,454	318,95
7,080	11,578	8,260	10,753	7,729	10,050	10,560	319
6,829	12,804	8,011	10,256	7,548	9,945	10,595	319,05
7,223	11,648	7,193	9,830	7,801	9,909	10,595	319,1
7,294	10,948	6,376	9,190	6,936	9,980	10,490	319,15
7,115	10,317	6,021	8,090	6,936	10,121	10,314	319,2
6,829	10,212	5,203	7,841	5,927	10,333	10,208	319,25
6,937	10,527	6,412	7,415	5,927	10,192	10,103	319,3
6,829	10,142	7,513	7,237	7,080	10,297	10,138	319,35
7,044	11,228	8,188	7,628	6,792	10,439	10,244	319,4
7,294	11,193	8,615	6,030	6,287	11,003	10,419	319,45
6,972	10,808	8,331	4,432	6,251	11,497	10,595	319,5
7,366	10,387	8,046	4,716	5,963	11,638	10,701	319,55
7,259	10,387	9,290	4,893	4,990	11,603	10,701	319,6
6,972	10,913	8,935	5,994	6,611	11,426	10,771	319,65
7,437	11,753	9,290	4,751	6,756	11,038	10,736	319,7
7,652	11,648	9,503	5,710	7,044	10,580	10,701	319,75
7,867	11,718	8,828	6,563	7,296	10,333	10,595	319,8
7,151	11,928	7,869	6,989	7,476	10,192	10,454	319,85
6,686	11,648	7,335	6,563	8,377	10,156	10,384	319,9
6,722	10,667	7,833	6,243	8,810	10,121	10,419	319,95
6,972	10,667	6,945	7,060	8,521	10,192	10,525	320
6,472	9,827	7,371	6,634	8,918	10,474	10,630	320,05
6,972	9,687	9,859	6,669	9,819	10,827	10,736	320,1
6,829	9,196	11,245	5,675	9,530	11,179	10,841	320,15
7,795	10,667	11,031	5,710	10,071	10,686	10,876	320,2
7,867	9,967	11,707	5,888	9,747	10,756	10,841	320,25
7,545	10,282	10,960	5,213	9,278	10,756	10,771	320,3
7,616	9,652	10,996	7,521	8,918	10,333	10,701	320,35
8,081	10,142	10,925	8,942	8,413	10,121	10,665	320,4
7,223	9,757	10,178	7,877	8,449	9,945	10,701	320,45
6,507	10,177	9,717	9,013	8,161	9,521	10,736	320,5
6,221	11,963	7,726	8,764	8,593	8,286	10,806	320,55
6,579	11,578	6,731	10,398	7,945	9,063	10,912	320,6
6,722	12,419	6,731	7,379	8,089	9,380	11,017	320,65
6,328	11,158	6,589	6,918	8,305	9,274	11,087	320,7
7,008	11,928	6,376	6,136	7,873	9,239	11,052	320,75
7,616	11,403	5,878	6,065	6,683	9,345	11,052	320,8
7,545	10,562	7,264	7,344	7,404	9,662	11,052	320,85
7,080	9,932	7,407	7,166	8,701	9,592	11,158	320,9
7,473	9,336	7,940	5,355	9,314	9,521	11,158	320,95
6,758	10,667	8,224	5,710	8,449	9,451	11,052	321
7,724	11,298	8,757	4,929	8,233	9,345	10,982	321,05
7,151	11,823	9,361	4,645	7,440	9,274	10,876	321,1
7,509	11,648	10,285	4,787	8,810	9,345	10,912	321,15
6,972	11,753	9,361	4,325	7,801	9,380	11,017	321,2

7,437	10,808	8,935	6,030	7,548	9,909	11,122	321,25
7,402	10,843	9,503	6,030	7,945	10,050	11,158	321,3
7,581	12,769	8,295	7,663	7,945	9,909	11,122	321,35
7,008	14,030	8,473	10,007	7,801	9,803	11,122	321,4
7,294	13,330	8,295	7,806	7,801	9,698	11,158	321,45
8,797	13,330	8,793	7,273	7,729	10,050	11,087	321,5
8,332	11,193	8,082	7,841	7,620	10,403	10,947	321,55
8,046	11,018	7,051	6,385	7,512	9,980	10,876	321,6
7,652	10,072	6,447	5,710	7,945	10,121	10,876	321,65
6,972	10,737	7,371	5,604	8,305	9,909	10,841	321,7
7,652	11,088	7,584	6,598	9,062	9,839	10,806	321,75
7,437	11,158	12,950	5,178	9,098	9,733	10,876	321,8
7,187	10,527	13,128	5,178	8,990	9,839	11,017	321,85
7,652	10,983	11,955	4,929	8,125	9,874	10,982	321,9
7,294	10,562	10,036	3,935	7,512	9,803	11,017	321,95
6,758	10,597	8,899	7,486	8,017	9,803	10,876	322
7,259	10,843	8,579	8,232	8,449	9,698	10,947	322,05
7,473	10,457	9,148	9,155	8,485	9,627	10,806	322,1
7,151	11,088	7,798	9,901	8,810	9,627	10,806	322,15
7,867	11,403	7,940	8,587	8,449	9,556	10,771	322,2
7,759	10,878	7,726	8,906	8,089	9,627	10,771	322,25
7,008	9,336	7,122	8,267	9,026	9,909	10,771	322,3
7,115	10,632	7,726	6,918	8,665	9,945	10,771	322,35
7,151	9,617	6,838	5,923	9,386	10,262	11,017	322,4
6,579	11,788	7,513	5,923	8,810	10,192	11,158	322,45
6,328	11,648	8,153	5,107	8,774	10,121	11,369	322,5
6,472	11,578	8,082	6,349	8,089	9,698	11,369	322,55
6,722	11,403	7,478	6,101	7,404	9,980	11,298	322,6
6,650	11,578	6,873	4,538	6,467	10,227	11,263	322,65
7,008	10,457	7,016	6,847	7,945	10,333	11,193	322,7
6,972	10,527	7,655	7,060	8,053	10,650	10,736	322,75
7,187	9,862	8,366	8,232	7,837	10,227	10,490	322,8
7,330	9,757	11,138	8,409	7,945	9,909	10,525	322,85
7,509	10,142	11,920	6,847	7,440	9,698	10,701	322,9
6,722	10,457	11,422	4,893	6,936	9,627	10,982	322,95
7,151	10,667	10,427	5,178	7,260	9,803	10,876	323
6,972	10,667	9,894	4,965	7,512	9,945	10,841	323,05
6,865	10,492	7,869	6,705	7,909	10,121	10,665	323,1
6,615	10,527	7,691	8,445	10,107	10,262	10,525	323,15
6,865	10,457	7,051	7,628	10,684	10,368	10,595	323,2
6,865	10,808	7,798	7,592	6,719	10,615	10,560	323,25
7,044	12,069	8,437	7,486	9,963	10,262	10,630	323,3
6,829	11,998	9,361	7,486	10,179	10,121	10,736	323,35
7,688	11,368	8,473	6,989	9,026	9,980	10,806	323,4
7,294	11,368	7,869	7,308	7,981	9,698	10,665	323,45
6,937	11,158	8,544	7,060	7,837	9,556	10,560	323,5
7,151	11,333	7,869	6,847	7,512	9,839	10,454	323,55
6,364	11,053	8,188	6,349	7,152	9,909	10,454	323,6
6,722	10,948	8,331	6,634	7,224	9,874	10,525	323,65
7,259	10,667	9,290	6,918	7,548	9,627	10,349	323,7
6,650	10,948	10,178	6,811	7,404	9,627	10,314	323,75
7,330	10,808	10,143	6,278	7,548	9,803	10,138	323,8
6,937	10,808	8,899	5,249	11,765	9,733	9,892	323,85
6,042	9,687	8,579	5,355	11,837	9,556	9,927	323,9
6,507	10,142	8,508	5,284	10,251	9,945	9,857	323,95

6,829	10,772	9,148	7,521	10,431	9,909	9,892	324
6,257	10,667	9,823	7,663	10,179	9,839	9,716	324,05
6,829	11,263	10,427	7,948	9,675	9,909	9,435	324,1
6,794	11,088	10,178	6,634	7,440	9,839	9,470	324,15
6,507	9,862	9,539	6,811	6,647	10,050	9,470	324,2
7,080	9,511	8,011	7,060	8,738	9,768	9,540	324,25
6,722	10,247	9,183	7,948	9,386	9,698	9,611	324,3
6,829	10,072	8,082	8,551	9,855	9,733	9,751	324,35
7,008	10,037	8,224	7,912	9,638	9,662	9,857	324,4
7,366	10,983	8,260	8,551	10,251	9,945	9,962	324,45
6,937	11,718	8,473	8,835	9,350	10,192	10,103	324,5
7,008	10,948	7,549	8,693	8,089	10,192	10,103	324,55
6,972	11,718	7,513	8,054	8,954	9,980	10,208	324,6
6,937	11,893	6,127	7,699	8,521	9,909	10,314	324,65
7,223	13,049	6,340	6,278	8,846	10,262	10,454	324,7
7,008	12,244	5,594	6,065	8,665	10,192	10,560	324,75
6,758	10,247	7,087	6,101	8,161	10,086	10,595	324,8
7,294	10,247	8,864	5,213	8,305	9,945	10,630	324,85
7,151	9,652	8,650	6,349	8,161	9,874	10,630	324,9
7,187	10,072	8,224	3,082	8,269	9,945	10,595	324,95
6,650	10,037	10,107	2,727	9,170	10,156	10,595	325
7,652	9,687	10,712	5,852	7,584	10,333	10,454	325,05
7,044	10,632	9,432	6,492	7,548	10,333	10,595	325,1
7,151	10,808	10,854	6,634	10,972	10,192	10,525	325,15
6,543	10,387	10,143	6,740	8,089	10,403	10,525	325,2
7,294	10,142	9,468	10,185	8,053	10,686	10,490	325,25
6,972	9,582	8,082	11,357	6,936	11,038	10,525	325,3
7,044	9,476	8,260	10,327	7,188	11,321	10,454	325,35
6,615	10,843	7,335	9,759	7,584	11,497	10,560	325,4
7,294	10,457	6,838	9,262	9,026	11,391	10,595	325,45
7,223	10,457	7,264	9,262	8,449	10,368	10,876	325,5
7,223	10,948	7,584	8,693	8,629	10,050	11,052	325,55
7,652	10,317	6,767	8,729	8,774	9,909	11,122	325,6
7,437	10,527	5,914	7,557	8,557	10,262	11,158	325,65
6,865	11,053	5,772	7,912	8,413	9,415	11,298	325,7
6,507	12,209	6,838	6,172	7,801	9,874	11,298	325,75
6,507	12,839	6,731	6,136	8,017	9,803	11,333	325,8
7,151	12,069	7,264	5,000	7,152	9,662	11,298	325,85
7,437	11,438	6,838	5,781	6,035	10,015	11,333	325,9
7,223	11,438	8,117	4,893	6,900	10,086	11,369	325,95
6,901	10,737	8,864	3,828	8,197	9,980	11,439	326
6,829	10,212	9,006	3,579	8,485	9,803	11,369	326,05
7,330	9,897	9,788	3,544	8,269	9,980	11,158	326,1
6,972	9,722	10,356	4,219	6,503	10,121	10,947	326,15
7,402	9,617	11,067	4,609	6,756	9,945	11,087	326,2
6,865	9,091	10,747	5,391	7,188	9,768	11,052	326,25
6,221	9,862	10,392	6,669	7,981	9,839	10,982	326,3
6,722	10,247	9,397	7,131	8,377	10,050	11,087	326,35
6,436	10,387	9,539	7,237	10,612	9,592	11,228	326,4
6,543	10,457	8,650	8,977	8,521	9,556	11,228	326,45
6,650	11,158	8,508	7,912	8,810	9,698	11,193	326,5
7,115	11,508	7,371	9,262	9,206	9,909	11,193	326,55
7,294	10,457	6,483	9,297	8,810	9,556	11,158	326,6
6,972	10,247	5,665	8,125	9,242	9,204	11,087	326,65
6,579	10,282	5,807	8,267	9,134	9,133	10,947	326,7

6,937	10,527	5,559	7,379	9,602	9,310	10,912	326,75
6,615	10,632	6,376	5,994	7,873	9,521	10,912	326,8
6,865	10,037	6,554	5,355	7,224	9,768	10,947	326,85
6,650	10,983	8,117	4,112	7,404	9,803	10,982	326,9
6,901	11,438	9,361	3,189	7,801	9,839	11,017	326,95
6,650	11,613	8,899	4,219	8,521	10,262	11,017	327
7,008	11,368	8,793	5,604	8,197	10,050	11,087	327,05
7,581	11,158	8,224	6,492	8,846	9,980	11,158	327,1
6,293	9,827	7,584	6,634	8,990	9,909	11,298	327,15
8,117	10,352	8,260	6,918	8,017	9,839	11,193	327,2
7,545	10,422	8,722	6,598	8,161	9,874	11,158	327,25
7,187	10,247	9,645	6,420	8,449	10,333	11,158	327,3
7,473	10,002	9,681	6,385	8,593	10,121	11,158	327,35
7,008	10,527	9,965	5,994	8,738	10,050	11,369	327,4
6,865	9,967	9,468	6,385	7,656	9,909	11,544	327,45
6,615	11,648	8,544	6,492	8,017	10,015	11,579	327,5
7,008	11,788	8,899	6,669	8,341	10,086	11,650	327,55
6,722	12,209	7,975	8,267	8,701	10,333	11,685	327,6
6,937	12,629	6,945	8,622	9,422	9,662	11,615	327,65
6,615	10,808	6,518	8,551	11,080	9,980	11,439	327,7
6,615	10,983	6,980	8,090	9,891	9,768	11,509	327,75
6,758	10,317	6,412	7,450	5,927	9,768	11,509	327,8
7,008	10,247	6,447	7,948	7,368	9,839	11,439	327,85
6,650	10,142	8,793	7,344	6,143	9,451	11,193	327,9
7,366	9,441	9,965	5,071	7,044	9,521	11,087	327,95
7,867	10,387	11,955	2,869	7,188	9,274	10,912	328
7,151	8,566	11,849	5,639	7,404	9,662	11,017	328,05
7,831	9,511	11,991	4,325	7,512	10,086	10,947	328,1
7,473	10,282	10,356	5,994	6,035	9,945	10,876	328,15
7,437	10,527	10,818	7,557	6,503	9,768	10,876	328,2
7,044	10,562	10,356	8,693	7,945	10,015	10,806	328,25
7,616	10,983	9,823	9,546	7,656	10,474	10,665	328,3
7,080	11,368	8,935	10,824	8,233	10,262	10,665	328,35
7,223	10,983	8,082	11,676	8,377	10,192	10,630	328,4
6,901	10,913	6,696	11,854	8,053	10,192	10,665	328,45
7,259	10,737	5,559	7,841	7,909	10,156	10,736	328,5
7,044	10,247	6,092	6,527	7,765	10,333	10,665	328,55
6,972	11,368	6,092	9,333	7,404	10,192	10,560	328,6
6,185	11,298	6,696	8,054	7,368	10,262	10,454	328,65
7,044	10,632	6,554	7,770	7,152	10,192	10,384	328,7
7,437	10,527	7,513	6,989	7,656	9,909	10,490	328,75
7,294	9,897	7,762	6,456	7,548	10,156	10,454	328,8
7,616	10,632	8,686	5,142	7,440	9,803	10,630	328,85
7,616	10,948	8,579	5,071	10,503	10,368	10,138	328,9
8,046	10,177	9,077	5,497	8,521	10,121	10,244	328,95
7,330	10,002	9,894	4,183	9,098	9,662	9,751	329
8,725	10,562	9,006	4,148	9,386	9,451	9,259	329,05
7,294	10,913	9,041	4,503	9,891	9,874	9,400	329,1
7,151	12,069	8,473	4,148	10,035	9,556	10,384	329,15
7,187	11,648	7,904	4,680	9,242	9,627	10,384	329,2
7,902	12,244	7,513	6,456	8,738	9,168	10,454	329,25
7,187	11,718	7,264	8,516	9,602	9,133	10,630	329,3
6,794	11,368	6,873	6,598	9,638	8,992	10,876	329,35
6,650	11,508	6,696	6,314	9,711	8,957	11,087	329,4
6,937	10,948	8,402	5,178	10,467	9,345	11,158	329,45

7,366	10,562	8,260	5,284	10,720	9,698	11,122	329,5
6,758	11,228	8,970	5,178	10,720	9,451	11,087	329,55
7,652	10,702	11,031	5,746	10,648	9,239	11,122	329,6
6,901	10,667	8,650	6,278	10,179	9,592	11,052	329,65
7,008	10,002	11,351	6,740	10,143	9,556	10,982	329,7
6,937	9,932	12,026	6,918	9,530	9,698	10,982	329,75
7,223	10,107	10,818	6,989	9,638	9,415	11,052	329,8
7,008	9,091	10,996	7,841	8,665	9,239	11,228	329,85
7,294	9,476	9,468	7,806	9,170	9,380	11,228	329,9
7,688	10,527	9,859	8,729	8,774	9,698	10,982	329,95
7,473	10,142	10,143	10,291	8,990	9,310	10,947	330
7,902	10,212	8,579	9,119	8,810	9,310	10,876	330,05
7,437	9,441	8,402	9,297	8,882	9,803	10,841	330,1
7,294	7,935	7,513	9,652	9,062	9,909	10,630	330,15
6,543	8,461	6,909	9,333	8,341	10,156	10,595	330,2
6,937	8,951	6,376	9,404	9,602	10,192	10,630	330,25
6,937	11,963	6,163	8,551	8,521	10,086	10,701	330,3
6,615	13,330	5,203	8,835	7,476	9,627	10,630	330,35
7,187	13,435	5,310	8,161	6,864	9,380	10,490	330,4
6,829	12,594	5,523	8,232	6,900	9,380	10,454	330,45
7,294	11,788	5,203	8,267	7,008	9,239	10,490	330,5
7,831	11,578	5,665	8,622	7,765	9,556	10,490	330,55
7,974	11,368	4,635	6,740	7,873	9,415	10,560	330,6
8,439	11,088	10,321	6,527	6,359	9,733	10,525	330,65
7,759	10,772	9,077	5,533	7,008	10,086	10,525	330,7
8,332	9,547	10,712	2,088	6,864	10,015	10,454	330,75
6,722	9,371	10,818	3,935	7,080	9,909	10,349	330,8
7,294	9,827	9,894	2,550	6,936	9,274	10,244	330,85
7,652	11,088	9,148	2,763	7,368	9,698	10,138	330,9
7,616	10,177	8,864	4,112	7,224	9,909	10,208	330,95
7,187	10,457	8,153	5,852	6,467	10,050	10,208	331
7,294	10,878	8,011	7,521	6,900	9,768	10,173	331,05
7,473	10,843	8,650	7,166	6,792	9,698	10,173	331,1
7,652	10,843	9,326	7,237	8,233	9,415	10,314	331,15
7,187	11,963	9,183	7,095	8,882	9,733	10,314	331,2
7,831	12,419	8,082	8,196	8,882	9,909	10,384	331,25
7,795	10,948	8,082	7,806	8,738	10,121	10,208	331,3
7,724	10,457	8,082	8,338	8,918	10,192	10,173	331,35
7,473	9,652	7,335	8,764	8,665	10,192	10,314	331,4
7,294	9,336	7,513	7,699	8,593	10,192	10,454	331,45
8,153	8,426	8,793	6,882	8,846	10,227	10,525	331,5
7,044	9,547	9,219	6,989	8,738	10,086	10,560	331,55
6,686	11,368	10,107	6,598	8,377	10,015	10,595	331,6
6,722	11,753	10,178	6,065	7,837	10,227	10,595	331,65
6,436	12,559	10,036	5,071	7,368	10,262	10,595	331,7
6,507	12,069	10,036	6,598	7,656	10,050	10,525	331,75
6,650	12,454	7,726	7,060	7,945	10,086	10,454	331,8
7,437	11,578	8,864	7,024	8,341	10,192	10,384	331,85
7,080	11,368	7,016	7,628	8,377	10,403	10,314	331,9
7,366	10,527	6,483	9,794	8,197	10,297	10,349	331,95
7,008	9,266	7,442	8,658	7,512	10,227	10,454	332
6,794	9,827	8,437	9,297	6,359	10,580	10,525	332,05
7,080	9,476	9,503	8,516	6,828	10,791	10,560	332,1
7,795	9,827	9,645	8,125	7,512	11,779	10,630	332,15
7,366	10,142	10,072	6,207	7,909	10,368	10,630	332,2

7,366	10,948	11,031	7,344	9,350	10,262	10,630	332,25
7,437	10,632	11,849	7,060	8,882	9,168	10,595	332,3
7,402	10,002	10,143	7,486	9,278	8,780	10,525	332,35
7,151	10,177	9,397	6,314	7,368	9,451	10,349	332,4
6,722	10,247	9,183	6,172	8,017	9,098	10,314	332,45
6,686	10,878	8,579	8,977	8,918	10,192	10,208	332,5
6,901	11,648	7,869	9,048	7,945	10,368	10,314	332,55
8,010	11,438	7,051	9,084	7,044	10,474	10,454	332,6
7,831	11,368	8,188	8,445	7,224	10,650	10,630	332,65
7,151	11,368	7,442	7,663	7,044	10,721	10,841	332,7
7,223	10,808	8,188	7,486	7,765	10,650	10,947	332,75
7,437	10,667	8,544	7,379	7,440	10,439	10,876	332,8
7,581	10,422	8,899	6,669	8,089	10,509	10,947	332,85
7,581	10,667	7,869	6,243	8,233	10,333	10,841	332,9
7,259	10,843	9,219	6,776	7,008	10,297	10,701	332,95
7,724	11,403	9,041	6,847	6,756	10,439	10,525	333
6,794	11,893	8,970	6,705	8,377	10,192	10,454	333,05
5,863	12,769	8,828	6,349	7,332	9,345	10,525	333,1
6,579	12,104	8,117	5,994	8,665	9,027	10,701	333,15
6,328	12,279	8,473	6,669	8,557	9,098	11,017	333,2
6,829	12,314	8,153	5,852	9,819	9,274	11,333	333,25
7,437	11,123	8,650	6,065	9,963	9,345	11,509	333,3
8,153	10,282	8,650	5,888	9,999	9,274	11,439	333,35
7,759	9,792	9,610	6,989	10,539	9,345	11,228	333,4
7,902	9,757	11,067	6,065	11,116	9,698	11,052	333,45
6,722	8,811	12,417	5,497	9,026	9,803	10,912	333,5
7,402	10,387	12,879	5,142	10,612	9,768	10,876	333,55
6,543	8,636	13,164	5,426	10,684	9,556	10,912	333,6
6,722	9,827	11,387	5,639	10,215	9,204	10,947	333,65
7,223	10,037	11,564	7,948	9,819	9,098	11,158	333,7
7,294	8,951	11,067	10,291	9,819	9,098	11,263	333,75
6,865	9,687	11,742	11,499	10,395	9,168	11,439	333,8
7,259	9,371	10,569	11,747	7,729	9,345	11,474	333,85
7,437	11,333	9,610	11,534	10,143	9,556	11,439	333,9
7,545	11,158	8,437	11,321	10,395	9,662	11,439	333,95
7,437	11,123	7,940	10,966	11,152	9,627	11,369	334
6,579	11,578	7,264	12,493	10,792	9,627	11,193	334,05
6,293	11,928	7,869	10,860	9,242	9,556	11,228	334,1
6,150	11,333	6,731	9,546	8,089	9,451	11,298	334,15
7,581	10,948	5,594	8,800	7,765	9,345	11,369	334,2
6,364	11,368	5,878	7,663	7,692	9,415	11,439	334,25
7,330	12,279	6,056	7,912	7,476	9,556	11,439	334,3
7,151	11,508	7,193	8,516	7,476	9,627	11,439	334,35
7,294	11,158	7,229	8,019	7,656	9,345	11,509	334,4
7,509	10,072	8,011	7,379	8,197	9,204	11,474	334,45
7,473	9,827	8,224	6,811	8,017	9,345	11,439	334,5
6,758	9,547	8,366	6,527	8,305	9,345	11,439	334,55
7,008	10,562	8,650	5,355	8,701	9,415	11,228	334,6
7,509	10,422	8,970	5,462	8,377	9,662	11,087	334,65
7,473	10,037	10,356	4,751	8,846	9,839	11,052	334,7
7,795	10,247	11,671	5,959	8,810	9,803	11,087	334,75
7,581	9,967	9,930	6,278	8,990	9,415	11,228	334,8
7,437	9,406	9,930	4,254	9,350	9,803	11,369	334,85
7,151	10,037	10,072	5,923	8,954	9,556	11,439	334,9
7,115	11,578	8,260	6,314	8,521	9,980	11,369	334,95

7,187	12,944	8,793	8,090	9,747	9,839	11,158	335
6,937	12,209	8,224	6,527	9,530	9,592	11,017	335,05
7,151	12,769	7,904	6,563	9,134	9,768	10,947	335,1
7,187	11,648	6,873	5,497	9,458	9,662	10,912	335,15
7,044	11,858	5,736	5,604	9,530	9,415	10,947	335,2
7,115	10,878	3,924	5,888	10,539	9,345	10,982	335,25
7,581	9,652	4,955	5,320	8,665	8,992	11,052	335,3
7,581	9,582	12,488	5,781	8,810	9,451	11,052	335,35
6,972	8,846	9,717	4,290	9,855	9,768	11,017	335,4
6,293	9,687	10,392	4,077	10,035	9,945	11,017	335,45
6,293	10,387	11,707	8,445	8,810	9,768	10,982	335,5
7,008	10,387	12,026	6,634	8,810	9,980	11,017	335,55
7,330	11,578	10,996	7,948	9,386	9,662	11,017	335,6
7,259	10,527	10,569	8,374	8,918	9,486	11,017	335,65
6,650	9,897	10,072	8,303	8,269	9,310	11,017	335,7
7,115	9,231	9,503	9,297	7,116	9,345	10,947	335,75
7,080	9,266	8,650	8,551	7,656	9,380	10,947	335,8
7,473	9,547	8,757	8,338	8,449	9,345	10,982	335,85
7,366	9,547	8,544	9,048	8,305	9,239	10,982	335,9
6,829	9,792	7,904	8,906	8,377	9,204	10,982	335,95
7,115	10,072	7,655	8,764	8,521	9,133	11,017	336
7,151	10,282	7,229	7,806	8,882	9,027	11,122	336,05
7,437	10,878	6,945	8,338	8,629	8,957	11,052	336,1
7,581	11,508	7,691	8,693	8,089	9,310	11,017	336,15
7,223	11,648	6,838	8,516	7,873	9,698	11,017	336,2
7,437	11,228	7,442	7,060	9,098	9,803	11,017	336,25
7,294	10,948	7,904	7,060	8,485	9,874	11,158	336,3
7,223	10,317	7,549	6,243	8,305	9,874	11,158	336,35
7,437	10,037	8,260	7,131	7,656	9,945	11,158	336,4
7,724	10,737	8,224	6,598	7,368	10,050	11,122	336,45
7,652	11,018	8,402	6,492	7,440	10,121	11,052	336,5
6,901	10,632	9,326	4,929	8,413	10,262	10,982	336,55
7,223	9,687	9,255	4,787	8,161	10,262	10,912	336,6
6,328	11,193	8,757	4,290	8,882	10,227	10,947	336,65
6,722	12,909	8,686	3,828	8,089	10,050	10,947	336,7
6,364	13,435	8,331	7,912	8,017	9,980	11,052	336,75
7,366	14,696	6,802	7,095	8,017	9,839	11,087	336,8
7,080	11,648	8,117	7,237	8,377	9,698	11,052	336,85
6,436	12,174	8,864	7,486	8,017	9,345	11,052	336,9
6,436	11,123	8,295	6,420	8,125	9,168	11,017	336,95
7,187	11,508	8,579	4,574	8,089	9,415	10,947	337
6,758	10,983	9,645	6,030	8,233	9,627	10,876	337,05
6,901	10,597	11,245	5,710	8,918	9,909	10,736	337,1
7,437	10,107	12,417	6,385	9,999	9,980	10,665	337,15
7,294	10,107	13,697	1,804	9,747	10,015	10,736	337,2
7,437	9,126	13,590	6,953	8,846	9,874	10,876	337,25
7,151	10,177	13,270	7,735	8,665	9,768	11,052	337,3
6,436	9,652	13,732	6,882	8,305	9,310	11,087	337,35
7,080	9,897	11,493	7,131	9,026	9,133	11,052	337,4
6,901	9,476	9,788	7,344	8,846	9,098	10,982	337,45
8,117	10,247	8,188	8,729	8,738	9,592	10,912	337,5
8,260	10,772	9,610	9,901	8,701	9,486	10,841	337,55
8,189	9,511	9,219	11,215	8,377	9,204	10,806	337,6
7,938	9,687	10,107	13,310	8,233	8,851	10,876	337,65
6,507	8,846	9,255	11,215	8,918	9,133	10,912	337,7

6,436	8,916	8,508	9,190	9,638	9,627	10,947	337,75
6,829	8,986	7,051	8,054	8,846	9,874	11,122	337,8
7,473	11,998	6,838	7,415	8,738	10,544	11,298	337,85
6,328	12,349	7,051	7,841	8,449	10,297	11,369	337,9
6,328	14,731	7,478	9,404	7,801	10,121	11,298	337,95
6,328	13,119	7,655	9,759	7,729	9,698	11,228	338
6,328	10,352	6,802	9,190	7,224	9,415	11,122	338,05
6,901	10,107	6,412	8,516	7,765	9,345	10,912	338,1
7,366	9,862	7,798	8,977	8,197	9,627	10,771	338,15
6,436	10,107	10,285	8,019	7,620	9,909	10,525	338,2
8,546	10,177	10,285	5,639	7,945	9,980	10,736	338,25
7,044	9,196	10,463	6,492	7,729	10,156	10,947	338,3
7,402	9,757	10,747	5,852	8,089	10,121	11,087	338,35
6,901	9,196	8,935	9,190	7,909	10,050	11,158	338,4
6,829	10,037	8,011	10,043	8,449	10,156	11,228	338,45
6,722	12,979	7,940	6,563	8,377	9,980	11,298	338,5
6,436	12,489	6,945	6,776	7,945	9,698	11,228	338,55
6,972	12,314	6,909	7,521	8,485	9,345	11,122	338,6
7,151	11,823	6,554	6,669	8,233	9,310	11,017	338,65
7,581	10,772	5,772	6,065	8,305	9,274	10,947	338,7
7,688	10,597	7,762	5,888	8,846	9,345	10,876	338,75
7,509	9,547	8,793	6,065	8,521	9,556	10,876	338,8
6,937	9,547	10,072	5,746	9,026	10,050	10,947	338,85
7,151	10,142	11,564	4,538	10,251	9,945	11,193	338,9
7,437	10,457	11,778	5,426	12,233	9,909	11,298	338,95
7,652	10,667	11,635	5,923	10,792	10,262	11,439	339
7,366	11,648	9,788	6,492	9,494	10,156	11,474	339,05
6,865	10,037	8,722	7,841	9,963	10,050	11,439	339,1
6,650	8,986	9,717	8,196	9,638	9,768	11,369	339,15
7,008	10,702	8,153	7,663	9,386	10,050	11,193	339,2
6,650	9,897	7,264	8,019	9,170	9,803	11,158	339,25
7,330	10,667	7,513	7,060	9,170	9,451	11,052	339,3
7,330	11,158	7,655	5,852	9,675	9,168	10,982	339,35
7,437	11,088	7,264	6,705	9,242	9,204	10,982	339,4
7,044	10,177	8,224	6,634	7,945	9,204	10,982	339,45
7,545	10,702	8,011	6,847	6,647	9,274	10,982	339,5
6,794	11,053	9,006	6,527	6,864	9,592	11,052	339,55
6,722	10,177	8,544	6,207	6,467	9,909	11,017	339,6
6,937	10,948	9,112	5,710	6,900	10,262	11,017	339,65
6,650	11,438	9,468	6,705	7,873	9,945	11,052	339,7
6,615	10,667	8,935	7,841	9,711	10,262	11,087	339,75
7,115	11,648	9,006	7,663	9,206	10,615	11,158	339,8
7,581	10,422	7,229	8,303	9,134	10,650	11,087	339,85
7,759	10,808	7,798	8,835	8,846	10,721	11,017	339,9
8,511	10,527	8,295	8,232	9,422	10,509	11,052	339,95
7,652	9,476	7,726	7,060	9,170	10,403	11,158	340
7,223	9,441	8,473	7,131	9,819	10,156	11,158	340,05
7,294	11,648	10,854	6,207	10,071	10,121	11,087	340,1
7,080	10,597	11,351	5,923	11,152	10,121	11,017	340,15
7,187	10,843	10,143	5,497	9,242	10,262	11,017	340,2
7,437	11,963	9,112	6,314	8,882	10,474	11,017	340,25
7,688	11,788	9,148	6,314	7,729	10,686	11,087	340,3
6,865	11,613	9,006	5,994	7,296	10,897	11,228	340,35
7,867	11,123	8,508	8,374	7,512	10,932	11,544	340,4
6,722	9,967	7,940	9,368	8,593	10,791	11,685	340,45

7,688	11,788	8,117	11,889	9,170	10,686	11,755	340,5
7,545	9,967	7,833	8,835	8,413	10,544	11,720	340,55
7,652	9,827	9,112	8,693	8,233	10,474	11,544	340,6
6,937	9,196	9,574	7,486	8,089	10,333	11,333	340,65
6,865	9,371	8,722	6,669	7,620	10,192	11,158	340,7
6,436	9,722	8,153	5,462	8,269	10,333	11,017	340,75
6,364	10,527	7,869	6,527	7,224	10,509	10,947	340,8
7,044	10,317	7,726	7,699	8,089	10,756	10,947	340,85
7,008	10,282	6,447	6,847	8,882	10,756	11,087	340,9
7,294	10,037	6,483	7,699	8,305	10,791	11,228	340,95
6,400	10,247	5,985	6,847	8,017	10,650	11,298	341
7,402	9,827	6,802	5,888	8,161	10,827	11,369	341,05
7,330	9,617	6,802	5,746	8,197	10,474	11,298	341,1
8,081	9,897	7,300	5,710	7,945	10,192	11,052	341,15
6,758	9,757	8,153	6,030	7,837	10,192	10,806	341,2
6,507	9,967	8,331	6,101	8,053	10,121	10,665	341,25
7,008	10,667	8,331	5,994	7,801	9,839	10,630	341,3
6,722	11,718	8,011	5,923	7,512	9,733	10,630	341,35
7,187	11,928	7,833	5,746	6,719	9,980	10,701	341,4
6,901	10,808	8,366	5,746	8,089	10,015	10,841	341,45
7,509	10,562	7,229	5,497	7,729	10,333	11,087	341,5
7,509	9,827	7,335	5,213	7,981	10,580	11,333	341,55
7,437	9,336	7,300	5,923	8,954	11,356	11,439	341,6
7,509	10,457	8,082	4,787	9,278	11,779	11,158	341,65
6,400	9,652	10,356	4,467	11,549	11,532	10,947	341,7
6,650	11,648	11,280	4,574	9,278	10,968	10,841	341,75
6,507	11,543	11,209	5,071	9,927	10,439	10,876	341,8
7,151	11,963	9,610	4,787	9,963	10,086	10,806	341,85
6,650	10,632	9,077	8,019	10,503	9,909	10,665	341,9
6,150	9,967	8,793	8,729	10,612	10,297	10,665	341,95
7,080	9,231	8,011	9,759	10,648	9,874	10,912	342
6,901	10,212	7,513	10,540	10,503	9,451	11,087	342,05
6,865	10,037	7,513	9,972	8,593	9,168	11,158	342,1
7,115	9,967	8,508	8,906	9,098	8,816	11,298	342,15
7,151	10,772	9,077	7,735	8,449	8,675	11,298	342,2
6,937	10,632	9,717	7,486	9,819	8,745	11,439	342,25
6,543	11,088	8,544	7,060	8,665	8,851	11,193	342,3
6,543	10,702	8,828	8,587	8,810	8,851	11,158	342,35
6,722	10,843	7,691	7,628	8,810	8,075	10,947	342,4
6,436	11,928	7,513	6,776	8,701	8,921	10,876	342,45
6,722	11,228	7,940	7,273	8,377	8,498	10,806	342,5
6,078	10,948	8,117	6,492	7,765	8,639	11,017	342,55
6,794	10,037	7,371	5,781	6,936	9,698	11,158	342,6
6,579	10,562	7,335	5,639	7,116	10,262	11,439	342,65
6,758	10,808	8,473	5,923	7,945	10,474	11,509	342,7
6,794	10,667	9,077	5,746	7,224	10,297	11,509	342,75
6,865	10,422	9,219	7,415	7,224	10,333	11,439	342,8
6,901	10,247	8,188	7,237	6,864	10,192	11,263	342,85
7,151	10,212	7,762	5,071	5,746	10,262	11,158	342,9
7,795	10,702	7,762	5,213	5,963	10,333	11,017	342,95
6,650	11,123	8,508	7,415	7,152	10,333	11,087	343
6,293	11,648	9,503	7,912	8,233	10,368	11,122	343,05
6,758	12,839	8,970	8,906	7,692	10,368	11,087	343,1
6,722	12,909	9,326	7,841	7,584	10,333	11,158	343,15
7,223	11,613	9,183	7,628	8,774	10,615	11,228	343,2

7,044	11,683	8,615	8,445	8,593	10,650	11,298	343,25
7,366	11,018	8,864	7,415	7,656	11,038	11,404	343,3
7,044	10,247	9,148	7,060	8,377	11,038	11,369	343,35
7,187	10,352	10,534	7,060	7,873	10,827	11,228	343,4
6,185	9,617	11,564	5,923	7,296	10,721	11,017	343,45
7,151	10,177	11,422	4,716	7,584	10,439	10,876	343,5
7,008	11,438	10,889	5,036	8,665	10,439	10,701	343,55
6,722	11,368	10,001	6,776	8,449	10,121	10,595	343,6
7,008	12,139	9,574	8,587	8,629	10,086	10,595	343,65
7,294	11,998	8,864	7,770	7,296	10,227	10,736	343,7
7,473	10,527	8,722	8,587	7,332	10,262	10,876	343,75
7,581	9,687	8,579	8,196	7,548	10,227	11,017	343,8
7,437	8,951	8,366	9,404	7,512	10,403	11,158	343,85
7,115	10,037	7,158	8,942	7,512	10,156	11,298	343,9
7,294	9,932	7,869	7,912	8,233	9,945	11,193	343,95
7,366	10,457	8,117	7,344	8,918	9,874	11,087	344
7,616	11,788	8,508	7,628	9,170	9,662	10,912	344,05
7,795	13,049	7,584	7,983	9,783	9,592	10,771	344,1
7,473	12,979	7,869	7,131	8,738	9,627	10,665	344,15
7,974	12,349	7,158	7,592	7,224	9,627	10,560	344,2
8,511	11,578	6,980	6,847	6,936	9,451	10,665	344,25
8,475	11,158	5,807	5,746	7,476	9,310	10,806	344,3
7,616	10,667	8,188	5,426	7,548	9,239	10,982	344,35
7,509	10,527	9,041	6,669	7,512	9,274	11,122	344,4
6,937	9,897	9,574	5,923	7,332	9,627	11,158	344,45
6,937	8,881	9,752	5,391	7,332	9,698	11,017	344,5
6,615	10,072	10,107	4,858	7,548	9,945	10,912	344,55
7,008	11,403	9,645	5,746	7,368	9,909	10,701	344,6
7,473	11,158	8,615	5,639	6,936	9,874	10,665	344,65
8,010	10,247	8,579	6,634	8,413	9,980	10,701	344,7
7,509	9,266	8,544	6,989	8,629	9,909	10,736	344,75
7,724	9,757	8,437	9,262	7,584	9,909	10,806	344,8
7,437	11,158	8,366	9,368	7,224	9,980	10,876	344,85
7,724	10,878	8,331	8,693	7,152	10,121	10,947	344,9
7,402	11,298	7,869	8,587	7,945	10,474	10,982	344,95
7,294	11,298	7,655	7,735	8,413	10,403	10,982	345
7,974	10,597	7,869	7,770	9,350	10,403	10,947	345,05
7,652	10,562	7,584	7,841	9,819	10,403	10,876	345,1
7,366	11,018	7,655	6,207	10,576	10,580	10,806	345,15
7,044	11,718	7,904	5,497	10,323	10,297	10,665	345,2
7,616	12,034	8,366	4,929	10,467	10,121	10,595	345,25
7,294	11,963	7,798	3,651	9,747	10,156	10,560	345,3
7,294	11,858	7,549	5,213	8,521	10,192	10,244	345,35
7,080	10,282	8,224	5,213	7,476	10,015	10,876	345,4
7,581	10,177	8,793	6,420	8,521	9,486	11,087	345,45
7,151	10,352	8,864	6,278	9,062	8,780	11,158	345,5
7,151	12,559	9,823	6,278	8,882	8,816	11,087	345,55
6,794	11,928	10,356	7,202	8,774	9,310	10,912	345,6
7,581	11,018	11,280	6,563	8,233	9,521	10,771	345,65
7,473	10,702	11,138	7,592	7,909	9,556	10,665	345,7
6,901	11,228	10,072	6,634	8,233	9,909	10,665	345,75
7,259	9,757	9,219	6,882	8,269	10,262	10,876	345,8
7,044	9,476	9,432	8,161	7,801	10,262	11,087	345,85
7,115	10,597	8,188	9,830	7,332	10,368	11,263	345,9
7,902	10,247	7,940	9,333	7,692	10,227	11,298	345,95

7,688	10,562	8,153	9,262	8,485	10,192	11,193	346
7,259	10,772	6,554	9,155	9,855	9,733	10,947	346,05
7,259	11,578	8,295	8,445	8,629	9,345	10,701	346,1
7,330	11,228	8,579	8,267	9,422	9,133	10,595	346,15
7,008	11,438	8,650	7,131	6,467	8,745	10,630	346,2
6,865	11,053	8,650	6,278	4,881	8,992	10,630	346,25
7,008	11,718	8,935	7,060	6,251	9,980	10,630	346,3
7,223	11,928	8,402	5,923	7,801	10,403	10,701	346,35
6,650	11,018	8,295	5,000	6,575	10,827	10,806	346,4
6,758	10,422	8,864	5,036	7,296	10,827	11,052	346,45
6,758	10,527	8,686	5,923	5,170	10,544	11,228	346,5
7,545	10,072	9,503	6,882	7,008	10,439	11,333	346,55
7,294	9,652	9,752	6,705	7,945	9,980	11,439	346,6
7,437	9,827	9,432	6,065	6,647	9,803	11,439	346,65
7,294	9,827	9,290	5,426	7,440	9,803	11,298	346,7
6,865	9,827	9,219	5,639	7,080	9,980	10,947	346,75
6,507	10,457	8,970	7,237	9,098	9,945	10,771	346,8
6,794	11,368	9,112	7,948	9,026	9,803	10,736	346,85
6,364	12,769	8,650	8,196	9,819	9,451	10,947	346,9
6,650	11,823	7,833	8,019	8,485	9,627	11,052	346,95
6,865	10,737	6,731	7,415	8,593	9,239	11,158	347
6,615	9,932	6,945	7,948	9,494	9,415	11,333	347,05
6,650	10,037	6,554	6,492	9,638	9,521	11,439	347,1
7,366	10,457	8,153	6,492	8,918	9,733	11,439	347,15
7,437	10,632	8,686	6,492	8,593	9,909	11,404	347,2
7,187	10,808	10,178	4,787	9,530	9,698	11,193	347,25
6,722	10,913	10,960	4,645	11,260	9,556	11,228	347,3
6,615	10,808	10,498	5,213	11,224	9,592	11,158	347,35
7,008	10,632	9,361	5,710	11,549	9,204	11,158	347,4
6,901	11,648	8,437	7,131	11,549	8,886	11,158	347,45
6,472	11,508	8,686	8,871	10,071	9,027	11,298	347,5
6,758	10,702	8,793	9,333	7,404	9,133	11,263	347,55
6,472	11,193	8,331	9,226	6,575	9,521	11,298	347,6
6,794	10,843	8,188	8,622	7,512	9,662	11,369	347,65
6,901	10,632	9,006	7,948	8,521	9,133	11,439	347,7
7,115	10,562	9,219	7,237	8,377	9,168	11,509	347,75
6,472	10,072	9,574	6,349	8,269	9,274	11,615	347,8
5,863	10,107	9,788	6,278	8,089	9,274	11,579	347,85
7,151	11,648	9,717	5,639	8,810	9,310	11,439	347,9
7,259	10,808	9,503	6,243	9,134	9,133	11,263	347,95
7,115	11,088	8,650	6,456	8,377	9,168	11,122	348
7,437	11,018	8,402	7,131	8,125	9,239	11,017	348,05
6,758	10,808	6,980	8,338	8,233	9,168	10,982	348,1
6,722	11,403	7,655	8,729	7,368	9,310	10,982	348,15
7,044	10,843	7,549	9,013	7,584	9,239	11,017	348,2
7,473	12,629	7,833	9,688	7,692	9,380	11,158	348,25
7,938	12,874	7,904	9,404	7,981	9,380	11,263	348,3
7,938	12,209	8,935	8,303	10,071	9,345	11,369	348,35
7,902	11,158	9,574	7,521	8,233	9,451	11,439	348,4
8,081	11,193	9,823	6,989	7,656	9,662	11,369	348,45
7,688	10,527	9,361	5,533	8,017	9,768	11,228	348,5
7,902	10,282	9,397	5,781	7,368	9,909	11,122	348,55
7,545	10,843	10,107	4,148	6,864	9,698	11,052	348,6
7,509	10,702	10,392	5,284	5,782	9,627	11,052	348,65
6,722	11,788	10,321	7,592	4,305	9,592	10,982	348,7

6,865	12,279	9,645	4,787	4,341	9,909	11,017	348,75
6,579	11,963	9,077	5,852	4,305	9,909	11,017	348,8
6,150	11,788	8,935	6,989	3,404	10,333	11,017	348,85
6,364	10,422	7,762	7,166	2,899	10,192	11,052	348,9
6,650	10,072	7,655	7,735	5,206	10,121	11,158	348,95
5,935	9,617	6,554	7,344	6,287	10,192	11,158	349
7,151	10,107	7,798	6,207	6,900	10,262	11,158	349,05
7,044	10,562	8,579	6,065	6,936	10,615	11,122	349,1
6,686	10,387	9,397	4,538	6,900	10,721	11,087	349,15
6,650	10,457	9,823	4,858	7,332	10,650	11,052	349,2
6,794	10,107	10,427	5,639	7,548	10,756	10,947	349,25
7,366	9,441	10,712	6,420	8,233	10,474	10,876	349,3
8,010	10,002	9,219	6,492	8,161	10,156	10,912	349,35
8,081	9,757	8,153	6,420	8,197	9,768	10,947	349,4
7,509	10,107	7,016	8,232	7,873	9,556	10,982	349,45
7,223	9,687	6,909	7,166	7,656	9,486	10,947	349,5
7,724	9,336	7,051	7,912	7,729	9,627	10,982	349,55
6,865	9,126	9,183	7,237	8,305	9,733	11,052	349,6
7,008	11,298	9,006	8,161	9,602	9,662	11,087	349,65
6,042	11,438	9,041	8,764	10,143	9,980	11,017	349,7
7,223	11,998	7,371	8,196	9,963	9,839	11,052	349,75
7,294	11,788	6,589	7,308	10,071	9,909	11,087	349,8
7,115	11,158	6,376	5,781	9,783	10,439	11,158	349,85
6,937	10,072	6,127	6,207	9,278	9,698	11,052	349,9
6,937	10,948	6,198	5,391	9,242	9,063	11,017	349,95
7,080	11,228	6,945	6,278	5,818	8,675	10,982	350
7,080	12,034	7,584	6,349	8,774	9,027	10,947	350,05
7,473	11,053	8,260	7,379	9,206	8,886	10,912	350,1
7,509	11,508	8,295	5,142	8,305	9,063	11,017	350,15
7,402	11,228	7,407	5,746	8,557	9,133	11,017	350,2
7,187	11,228	8,011	6,278	8,918	8,886	11,052	350,25
7,044	11,473	9,645	5,923	8,593	8,921	11,017	350,3
7,330	11,053	11,067	6,136	8,629	8,710	11,052	350,35
6,436	11,298	11,067	5,533	7,368	8,816	11,122	350,4
7,044	11,578	11,387	5,746	8,701	8,886	11,158	350,45
7,008	11,788	11,991	4,787	8,377	8,710	11,193	350,5
6,543	10,772	10,712	4,787	8,810	8,286	11,158	350,55
7,294	11,018	9,574	5,994	9,350	8,604	11,158	350,6
6,543	10,632	10,072	7,202	9,242	8,286	11,052	350,65
7,115	11,403	7,407	7,770	9,747	8,357	10,947	350,7
7,008	9,827	7,407	8,622	9,350	8,533	10,876	350,75
7,259	10,107	7,798	8,516	7,945	8,569	10,876	350,8
7,437	10,983	8,082	8,019	7,512	8,604	10,876	350,85
7,294	10,107	8,188	8,480	7,765	8,675	10,982	350,9
7,115	10,562	9,041	7,060	8,882	8,816	11,052	350,95
6,901	10,737	9,717	7,344	11,657	8,886	11,158	351
7,330	11,858	10,925	5,888	11,981	8,921	11,193	351,05
6,650	11,893	10,001	6,598	11,368	9,239	11,263	351,1
6,615	11,928	8,650	6,989	10,107	9,345	11,193	351,15
6,650	11,368	8,260	6,492	8,954	9,592	11,052	351,2
6,579	10,212	7,300	9,936	6,864	9,521	10,947	351,25
6,257	10,247	6,945	10,824	8,017	9,698	10,876	351,3
6,615	10,702	6,873	10,256	9,314	9,662	10,841	351,35
7,330	9,862	8,295	8,693	9,963	9,592	10,876	351,4
7,724	9,301	9,894	8,054	10,359	9,274	10,912	351,45

8,010	9,476	10,925	7,273	10,215	8,710	11,017	351,5
7,330	9,091	10,996	5,888	9,999	8,921	11,158	351,55
7,044	8,776	10,498	6,456	9,819	9,310	11,193	351,6
6,865	9,582	9,645	6,136	9,819	9,733	11,298	351,65
6,722	9,757	7,940	6,314	9,566	9,698	11,369	351,7
6,400	10,948	9,148	9,262	8,774	10,439	11,404	351,75
5,792	12,069	9,148	9,333	7,981	10,403	11,369	351,8
6,221	11,718	7,442	9,190	7,296	10,439	11,193	351,85
7,115	11,788	6,305	9,546	7,692	10,474	11,158	351,9
7,545	11,998	5,878	8,729	6,972	10,262	10,947	351,95
6,829	10,422	5,523	7,948	6,431	10,439	11,228	352
7,044	10,002	5,452	7,912	8,089	10,439	11,369	352,05
7,115	8,916	4,528	7,486	9,098	9,874	11,087	352,1
5,935	11,438	4,102	7,663	9,458	9,698	11,087	352,15
7,115	10,107	5,345	7,273	9,602	9,627	11,158	352,2
6,865	10,107	8,188	8,267	9,242	9,521	10,912	352,25
7,330	10,878	9,788	6,101	8,810	9,592	10,947	352,3
6,758	10,212	9,930	5,923	9,747	9,733	10,806	352,35
7,044	10,808	9,255	5,568	8,161	9,662	10,630	352,4
6,543	11,123	8,935	4,893	8,197	9,274	10,419	352,45
6,436	11,053	7,726	5,781	8,810	9,345	10,595	352,5
6,400	10,632	6,838	6,492	7,656	9,027	10,982	352,55
7,330	10,457	5,807	6,314	7,512	9,133	11,193	352,6
7,294	10,913	6,163	5,781	7,224	9,345	10,947	352,65
7,724	10,527	7,122	5,817	7,909	9,168	10,947	352,7
7,259	10,878	8,295	5,142	7,620	8,921	10,912	352,75
6,686	9,967	8,828	6,172	7,692	9,239	10,736	352,8
6,150	8,951	9,326	5,710	7,584	9,733	10,806	352,85
6,185	8,110	9,006	5,355	8,377	9,486	10,947	352,9
6,042	8,391	9,965	6,349	8,665	9,345	11,298	352,95
6,114	10,352	10,321	3,402	8,810	9,168	11,369	353
7,294	11,053	9,930	4,112	8,089	8,992	11,298	353,05
7,616	10,702	10,498	4,503	6,792	9,380	11,298	353,1
6,758	9,336	10,285	4,325	6,107	9,310	11,052	353,15
6,364	8,811	10,214	4,787	4,773	9,451	10,806	353,2
5,613	8,356	10,178	6,314	5,638	9,909	10,595	353,25
6,257	9,476	9,539	6,918	6,683	10,050	10,595	353,3
7,044	9,441	8,579	8,835	8,665	9,945	10,525	353,35
7,187	9,827	8,970	8,977	6,215	10,474	10,384	353,4
6,722	10,177	8,970	9,013	6,828	10,474	10,314	353,45
6,257	9,196	7,940	9,333	6,503	11,179	10,384	353,5
6,794	8,601	7,371	9,190	6,431	10,827	10,595	353,55
5,434	9,652	7,442	9,262	9,170	11,603	10,736	353,6
7,867	10,667	8,082	7,735	10,539	11,567	10,912	353,65
6,293	11,193	8,260	7,379	8,665	11,285	10,947	353,7
6,400	12,489	8,295	7,060	6,864	11,250	10,701	353,75
6,794	12,139	8,544	6,492	7,765	11,285	10,454	353,8
6,400	11,403	8,295	6,172	12,125	11,426	10,314	353,85
6,972	10,772	8,117	5,213	10,107	11,391	10,384	353,9
6,722	10,352	8,224	4,041	10,792	11,250	10,454	353,95
6,865	10,177	7,229	3,970	10,503	11,215	10,630	354
7,759	10,387	7,513	5,107	9,855	10,897	10,876	354,05
6,865	10,527	7,691	5,497	9,999	10,791	10,806	354,1
7,581	10,142	8,260	6,847	10,467	11,038	10,841	354,15
6,829	9,582	11,138	7,486	10,467	11,179	10,771	354,2

6,829	9,652	11,529	7,095	9,530	11,144	10,701	354,25
6,794	9,126	11,351	5,107	8,089	11,038	10,560	354,3
6,507	9,792	11,635	2,514	8,557	10,721	10,525	354,35
7,008	11,018	11,707	4,716	7,945	10,968	10,525	354,4
6,937	10,002	11,387	5,852	9,170	11,003	10,560	354,45
7,151	10,072	11,422	3,722	9,530	11,074	10,454	354,5
6,937	10,212	9,503	9,936	9,963	10,721	10,349	354,55
6,901	10,562	9,361	10,753	8,990	10,086	10,314	354,6
7,259	10,843	8,508	13,239	9,422	10,050	10,314	354,65
7,330	10,878	7,940	11,676	10,648	10,015	10,454	354,7
7,724	11,088	7,158	12,067	9,711	9,839	10,665	354,75
7,974	11,228	7,726	9,901	9,386	9,733	10,736	354,8
7,509	9,652	7,442	9,617	8,738	9,592	10,841	354,85
6,722	9,687	7,513	8,125	7,656	9,768	10,701	354,9
7,044	10,702	8,224	6,492	7,548	9,909	10,736	354,95
6,686	11,648	8,935	7,131	8,954	10,050	10,806	355
7,008	11,753	8,650	6,563	7,368	10,192	10,806	355,05
6,901	12,489	8,722	6,101	6,071	10,262	10,876	355,1
6,865	11,648	8,224	6,776	6,719	10,192	10,912	355,15
7,473	11,228	7,087	6,065	7,152	10,121	10,841	355,2
7,545	11,368	7,442	7,379	7,296	10,050	10,771	355,25
7,581	10,387	5,523	8,338	9,206	10,156	10,701	355,3
7,509	10,457	4,706	8,232	8,810	10,297	10,595	355,35
7,008	10,878	9,610	6,492	8,846	10,474	10,595	355,4
7,008	9,897	10,605	6,705	9,602	10,474	10,630	355,45
6,722	11,438	11,920	5,249	9,494	10,544	10,771	355,5
7,080	11,858	12,524	4,325	9,855	10,721	10,876	355,55
7,008	12,419	10,178	2,656	9,170	10,827	11,017	355,6
7,259	12,349	9,539	6,420	8,305	10,791	11,017	355,65
7,581	11,928	9,468	8,267	8,990	10,650	11,017	355,7
6,937	10,597	8,331	8,729	9,314	10,580	10,912	355,75
7,581	9,967	7,371	10,043	9,350	10,509	10,665	355,8
7,259	9,897	6,909	11,534	9,242	10,650	10,525	355,85
6,794	10,002	7,300	12,777	9,062	10,862	10,454	355,9
7,366	10,843	7,584	10,007	7,945	10,968	10,419	355,95
7,294	11,928	7,940	9,439	8,161	10,897	10,525	356
7,759	11,228	8,722	8,125	7,909	10,932	10,736	356,05
7,294	11,018	8,082	6,385	7,620	11,074	10,947	356,1
8,117	11,193	6,554	6,136	6,035	11,038	11,017	356,15
8,117	10,913	6,802	6,634	7,188	11,144	11,087	356,2
8,260	10,983	6,873	7,273	8,918	10,932	10,982	356,25
7,974	11,648	6,554	6,669	9,206	10,721	10,771	356,3
7,366	11,648	7,975	6,349	8,918	10,580	10,630	356,35
6,794	11,228	8,650	5,923	8,377	10,544	10,490	356,4
7,437	11,333	8,011	5,036	8,449	10,650	10,384	356,45
7,223	12,349	8,722	4,538	8,954	10,721	10,384	356,5
7,437	11,298	9,077	5,355	8,846	10,721	10,525	356,55
7,724	12,419	8,864	3,899	8,413	10,544	10,665	356,6
6,901	11,928	8,402	4,432	7,368	10,439	10,841	356,65
6,794	10,212	9,219	5,462	6,323	10,368	10,947	356,7
7,724	11,263	8,011	5,355	7,584	10,474	10,982	356,75
7,473	10,527	8,544	5,923	6,467	10,544	10,876	356,8
7,294	10,107	9,823	6,776	7,476	10,544	10,736	356,85
8,117	9,161	11,351	6,776	8,557	10,439	10,595	356,9
7,974	8,706	10,640	6,349	8,557	10,333	10,525	356,95

7,151	8,005	11,280	4,787	8,341	10,297	10,525	357
7,223	8,916	10,321	4,077	7,116	10,262	10,525	357,05
7,616	8,951	9,397	6,207	7,116	10,262	10,525	357,1
6,650	8,916	8,508	8,622	7,584	10,227	10,560	357,15
6,722	9,687	8,970	5,213	7,440	10,192	10,665	357,2
6,865	11,578	8,579	7,983	7,368	10,050	10,736	357,25
7,115	12,314	7,798	10,540	9,206	9,980	10,841	357,3
8,046	10,422	6,945	9,581	7,440	9,909	10,912	357,35
7,688	9,371	6,980	9,546	6,143	9,909	10,912	357,4
7,473	9,266	6,945	9,581	6,575	9,733	10,876	357,45
7,509	10,002	5,807	9,723	6,395	10,086	10,771	357,5
6,472	10,142	5,665	8,338	6,071	10,333	10,665	357,55
6,937	9,827	6,945	7,912	7,801	10,474	10,665	357,6
8,439	11,963	9,255	7,060	7,837	10,650	10,736	357,65
7,509	11,858	8,473	7,308	8,269	10,791	10,771	357,7
7,759	12,069	6,873	7,735	7,512	10,791	10,806	357,75
7,223	11,438	6,767	5,923	7,368	10,580	10,841	357,8
7,366	9,757	6,518	7,628	7,909	10,474	10,912	357,85
7,223	9,336	6,589	6,492	8,665	10,156	10,947	357,9
7,366	10,562	8,437	5,462	9,314	10,121	10,947	357,95
7,366	8,986	8,722	4,716	9,242	9,909	10,806	358
7,008	9,511	10,072	4,929	9,747	9,909	10,736	358,05
7,294	11,158	10,569	4,325	9,386	9,909	10,736	358,1
7,759	11,578	10,889	4,538	8,629	10,015	10,841	358,15
6,615	11,543	10,214	5,462	8,089	10,050	10,982	358,2
7,366	11,368	8,615	7,486	8,413	9,980	11,017	358,25
7,294	11,928	8,402	8,303	8,738	9,945	11,228	358,3
6,937	12,384	7,513	6,918	8,197	9,839	11,193	358,35
7,759	12,174	6,589	6,847	7,620	9,592	11,158	358,4
7,402	11,508	5,878	7,308	7,296	9,627	11,017	358,45
7,115	11,158	7,122	6,527	6,611	10,121	10,876	358,5
6,794	10,808	5,843	7,060	9,386	10,050	10,841	358,55
7,115	10,247	6,554	5,746	8,954	9,874	10,876	358,6
6,722	10,737	9,183	4,361	9,494	9,909	10,982	358,65
7,080	10,177	10,783	4,929	10,576	9,803	11,122	358,7
7,044	9,722	10,925	5,355	10,900	9,627	11,158	358,75
6,436	10,597	10,285	4,325	10,215	9,698	11,158	358,8
7,259	11,193	9,681	5,213	10,792	9,556	11,193	358,85
7,294	11,123	9,645	7,699	9,134	9,945	11,193	358,9
7,151	10,352	9,112	10,185	6,143	9,839	11,158	358,95
7,187	10,212	7,940	11,144	6,792	9,345	11,052	359
6,901	9,722	7,833	10,185	7,837	9,415	11,017	359,05
7,223	10,913	7,549	9,333	8,377	9,556	10,982	359,1
7,366	11,613	7,300	9,439	8,990	9,486	11,017	359,15
7,151	12,699	8,650	8,693	9,026	9,698	11,158	359,2
7,616	12,349	8,331	8,303	9,675	9,803	11,228	359,25
7,509	12,279	7,798	8,480	11,729	9,627	11,333	359,3
8,081	11,438	6,092	7,948	11,657	9,592	11,369	359,35
7,259	11,298	6,731	7,699	10,828	9,521	11,439	359,4
6,579	11,088	8,793	7,344	9,819	9,451	11,369	359,45
6,615	10,983	9,006	6,527	8,774	9,345	11,263	359,5
7,402	11,368	10,569	5,959	8,738	9,345	11,158	359,55
7,151	12,734	11,529	4,787	9,098	9,345	11,017	359,6
7,509	12,559	12,417	4,716	8,954	10,086	11,052	359,65
6,507	12,384	12,346	5,604	8,233	10,474	11,087	359,7

7,008	11,263	10,854	8,445	8,665	10,509	11,228	359,75
7,330	10,212	10,676	8,977	8,882	10,333	11,369	359,8
7,437	10,142	9,574	8,090	8,089	10,474	11,369	359,85
7,151	9,441	8,544	10,540	9,026	10,333	11,298	359,9
7,151	8,916	7,620	12,280	8,665	9,909	11,298	359,95
7,294	8,706	7,229	10,789	7,981	9,874	11,263	360
7,223	8,566	8,757	11,108	7,332	10,050	11,158	360,05
7,294	9,792	9,290	10,753	8,521	9,980	11,122	360,1
7,581	9,617	9,041	9,617	9,098	9,733	11,052	360,15
7,688	10,212	8,295	8,835	7,368	9,521	10,947	360,2
7,831	11,403	7,798	8,338	7,368	9,556	11,017	360,25
7,509	11,298	8,402	8,374	7,656	9,486	11,158	360,3
7,294	11,333	6,945	7,841	7,440	9,627	11,228	360,35
8,081	11,403	5,772	9,297	6,900	9,768	11,263	360,4
7,938	11,228	5,701	8,409	7,008	9,839	11,228	360,45
7,437	11,368	4,706	8,196	6,467	9,698	11,158	360,5
7,437	12,174	6,945	8,977	6,215	9,345	11,017	360,55
7,330	11,298	6,767	8,125	5,602	9,204	11,017	360,6
6,650	10,983	6,731	6,420	6,683	9,239	11,017	360,65
6,829	11,088	7,087	6,527	5,999	9,310	10,982	360,7
6,579	11,788	7,478	6,207	7,512	9,486	10,876	360,75
6,722	12,069	8,615	5,462	7,692	9,486	10,806	360,8
6,937	11,718	9,432	5,107	7,152	9,627	10,806	360,85
7,008	11,998	9,112	4,467	7,224	9,592	10,876	360,9
7,080	12,104	9,965	4,077	7,801	9,768	10,982	360,95
7,581	10,457	9,077	5,355	7,945	9,592	11,017	361
7,437	10,247	10,072	4,787	9,350	9,556	11,052	361,05
7,437	9,476	9,077	6,207	11,260	9,698	11,017	361,1
8,475	9,476	8,402	6,492	10,395	9,839	10,947	361,15
7,867	8,846	8,544	5,639	9,747	10,050	10,876	361,2
8,403	9,056	8,970	6,136	9,999	10,227	10,876	361,25
7,795	9,406	12,488	6,385	8,738	10,650	10,876	361,3
7,795	9,476	12,808	5,888	9,170	11,038	10,841	361,35
7,437	8,846	11,316	8,019	9,026	11,144	10,876	361,4
7,223	11,053	10,036	9,048	8,521	10,650	10,947	361,45
6,257	11,018	10,072	8,480	9,206	10,403	10,982	361,5
6,472	13,084	8,650	10,185	8,738	10,333	10,912	361,55
6,364	13,470	7,513	11,676	9,494	10,544	10,806	361,6
7,008	12,909	6,731	11,392	10,792	10,580	10,771	361,65
7,402	11,648	5,488	10,540	9,170	10,932	10,876	361,7
8,046	9,582	2,680	9,688	11,765	10,333	10,947	361,75
7,616	9,827	5,274	8,800	11,981	10,192	11,017	361,8
7,616	8,916	6,305	7,735	11,008	9,486	11,052	361,85
7,044	9,722	7,513	7,806	10,828	10,050	11,052	361,9
7,366	9,757	9,148	7,024	9,891	10,121	11,052	361,95
7,938	9,547	10,605	6,278	10,720	9,980	10,982	362
7,974	9,827	10,889	6,101	9,927	9,945	10,947	362,05
7,581	9,827	9,539	5,355	9,242	9,662	10,947	362,1
7,402	10,247	8,437	3,899	8,485	9,415	10,947	362,15
7,402	9,862	9,077	5,781	9,098	9,698	11,017	362,2
7,223	9,722	9,006	7,735	8,017	9,768	11,087	362,25
7,080	11,368	8,722	8,587	6,972	9,733	11,158	362,3
6,937	12,874	8,331	8,338	7,008	9,733	11,158	362,35
7,115	13,750	8,650	7,983	9,783	9,733	11,158	362,4
7,473	13,540	6,945	8,906	8,197	9,627	11,087	362,45

7,330	12,069	6,056	9,546	8,161	9,239	11,017	362,5
7,187	11,578	5,914	8,267	9,278	8,921	10,912	362,55
8,153	10,492	5,878	8,942	9,602	9,027	10,736	362,6
7,115	10,247	5,097	8,232	8,990	9,310	10,736	362,65
6,436	8,671	9,361	5,426	8,521	9,345	10,806	362,7
6,829	9,056	11,849	5,071	8,593	9,274	10,912	362,75
7,402	9,757	12,417	4,183	8,665	9,274	10,947	362,8
7,724	9,336	12,204	3,935	7,548	8,992	10,947	362,85
7,437	8,986	12,666	3,438	7,224	9,027	10,876	362,9
7,008	8,916	10,463	3,260	8,053	8,886	10,771	362,95
6,937	10,247	9,645	2,834	7,909	9,345	10,665	363
7,008	11,788	9,432	1,484	7,512	9,310	10,595	363,05
6,829	12,384	10,072	8,906	7,801	9,909	10,490	363,1
6,794	13,575	10,143	10,256	7,945	9,486	10,490	363,15
6,579	13,890	8,615	8,551	7,260	9,556	10,595	363,2
6,293	12,069	7,940	9,190	6,936	9,451	10,736	363,25
7,080	11,788	7,158	14,446	8,665	9,310	10,876	363,3
7,759	10,632	6,518	10,647	10,107	8,851	10,982	363,35
8,046	10,387	6,696	8,054	8,954	9,204	11,017	363,4
7,437	9,617	7,584	8,480	8,593	9,310	10,912	363,45
7,294	9,687	9,361	9,013	7,368	9,098	10,771	363,5
7,151	9,266	10,854	10,540	7,981	9,274	10,665	363,55
7,080	9,476	12,062	9,119	7,801	9,556	10,595	363,6
6,686	10,247	11,991	7,060	8,485	10,156	10,630	363,65
6,543	11,018	11,138	6,669	7,909	9,662	10,630	363,7
6,400	11,683	10,072	6,492	8,269	9,521	10,665	363,75
7,223	11,788	9,930	6,918	9,134	9,733	10,771	363,8
7,044	11,648	9,397	6,385	7,873	9,909	10,876	363,85
6,901	11,718	9,112	6,811	6,972	10,015	11,052	363,9
6,472	10,737	8,366	7,379	6,792	9,980	11,193	363,95
6,507	10,037	7,726	7,060	7,656	9,980	11,298	364
6,650	10,317	6,092	7,592	6,756	9,945	11,333	364,05
5,935	10,317	7,087	7,060	7,080	9,909	11,298	364,1
6,937	10,737	6,909	7,912	6,972	10,050	11,158	364,15
7,473	9,827	7,016	8,267	8,377	9,839	11,052	364,2
7,437	9,967	8,082	8,480	8,233	9,909	11,017	364,25
6,972	9,827	8,864	8,374	7,584	10,086	11,052	364,3
6,293	9,827	8,650	7,663	8,089	10,156	11,087	364,35
6,794	10,072	7,726	6,563	7,584	10,297	11,122	364,4
6,472	10,948	9,112	6,598	8,774	10,368	11,158	364,45
6,794	10,808	9,752	8,551	9,170	10,333	11,158	364,5
6,436	11,298	9,930	7,557	8,377	10,368	11,298	364,55
6,472	10,667	8,935	9,119	8,089	10,403	11,298	364,6
6,257	10,772	9,006	10,256	7,801	10,403	11,158	364,65
7,187	10,527	7,016	9,368	8,738	10,333	10,982	364,7
7,294	9,687	6,447	9,546	8,521	10,403	10,806	364,75
6,615	9,687	6,092	9,297	8,521	10,297	10,595	364,8
6,579	9,021	6,980	9,084	8,954	10,262	10,525	364,85
5,971	9,196	9,077	9,581	9,206	10,368	10,525	364,9
6,221	10,107	8,117	6,989	8,954	10,262	10,595	364,95
6,937	10,843	8,224	6,349	9,638	10,333	10,595	365
6,901	10,527	8,046	8,516	8,521	10,580	10,595	365,05
6,507	9,406	7,300	8,622	7,801	10,756	10,560	365,1
6,722	10,212	6,945	7,912	7,404	10,721	10,595	365,15
6,257	10,387	6,802	7,628	7,080	10,509	10,630	365,2

6,472	10,808	6,945	7,344	7,729	10,439	10,595	365,25
6,829	12,034	6,838	6,918	7,945	10,439	10,384	365,3
6,328	11,648	7,655	5,746	8,593	10,403	10,279	365,35
6,686	11,368	7,762	4,858	8,449	10,474	10,103	365,4
7,402	10,878	7,691	5,142	7,945	10,368	9,997	365,45
6,150	10,177	6,945	4,077	7,656	10,368	9,822	365,5
6,436	10,737	6,554	5,391	7,584	10,227	9,857	365,55
6,436	10,177	7,087	5,710	7,296	10,121	9,997	365,6
6,364	9,722	10,889	6,207	7,620	10,121	10,103	365,65
6,293	8,846	11,067	5,355	7,512	10,156	10,314	365,7
6,400	9,196	11,564	3,011	8,233	10,227	10,419	365,75
6,472	9,266	11,884	3,970	9,350	10,333	10,384	365,8
6,650	9,336	11,209	8,480	8,954	10,368	10,384	365,85
7,008	9,406	10,072	7,273	10,756	10,509	10,173	365,9
6,507	8,741	9,219	7,415	10,972	10,474	10,771	365,95
7,008	8,706	9,077	7,770	10,323	10,474	10,314	366
6,865	10,562	8,260	9,190	10,648	10,439	10,173	366,05
6,364	11,753	7,584	9,404	10,395	10,297	10,314	366,1
6,543	11,788	5,878	9,084	8,593	10,227	10,349	366,15
6,364	10,702	5,381	9,190	10,107	10,227	10,314	366,2
6,364	9,967	4,599	8,622	9,206	10,050	10,208	366,25
6,436	10,772	4,137	8,409	8,521	9,980	9,997	366,3
6,257	10,002	4,173	7,202	8,810	10,050	10,595	366,35
6,650	9,371	2,396	6,563	9,278	10,121	10,595	366,4
6,185	9,687	3,213	6,492	8,593	10,121	10,525	366,45
6,507	10,597	7,300	6,030	8,485	10,121	10,454	366,5
6,472	10,177	7,371	5,462	7,945	10,086	10,454	366,55
6,722	10,527	6,945	4,325	8,197	10,050	10,560	366,6
6,400	10,562	8,082	5,000	7,801	10,050	10,665	366,65
6,543	10,983	7,655	4,396	7,945	10,121	10,736	366,7
6,328	10,878	8,331	5,639	7,801	10,050	10,665	366,75
6,078	9,757	9,148	5,178	7,873	9,909	10,806	366,8
7,509	10,737	9,148	5,355	8,269	10,015	10,665	366,85
6,472	10,597	7,726	4,467	7,837	10,192	10,701	366,9
6,436	10,317	6,696	3,970	7,584	10,333	10,665	366,95
6,543	10,808	6,518	4,574	8,089	10,439	10,806	367
6,722	10,107	7,869	4,396	8,305	10,474	10,876	367,05
6,507	9,897	10,463	5,639	8,125	10,615	11,017	367,1
6,293	10,387	10,463	4,751	8,557	10,439	11,122	367,15
6,364	10,247	9,859	6,492	8,305	10,262	11,158	367,2
6,400	9,687	9,326	6,776	9,819	10,509	11,087	367,25
6,579	9,126	8,970	7,770	8,954	10,544	10,876	367,3
7,044	9,021	8,473	8,125	9,350	10,686	10,736	367,35
6,650	9,617	9,219	6,918	9,747	10,439	10,630	367,4
6,042	10,072	10,250	7,166	9,747	10,192	10,595	367,45
6,436	9,021	9,930	5,036	9,530	10,015	10,630	367,5
5,899	10,878	9,717	5,284	9,350	9,768	10,665	367,55
7,151	11,403	9,788	7,841	9,314	9,909	10,736	367,6
6,722	11,928	8,579	7,877	10,431	9,945	10,771	367,65
6,829	12,664	7,229	7,628	11,116	9,909	10,806	367,7
6,579	11,928	6,980	8,800	11,404	9,839	10,912	367,75
6,543	10,808	5,950	8,090	12,269	9,592	10,876	367,8
6,615	9,792	6,021	7,592	11,440	9,204	10,876	367,85
6,436	9,091	5,807	7,592	10,648	8,851	10,806	367,9
6,328	8,986	6,589	7,486	10,251	8,675	10,701	367,95

7,080	9,406	8,295	7,060	10,035	8,745	10,595	368
7,151	8,496	10,321	5,959	9,963	9,027	10,630	368,05
6,829	8,286	11,067	4,929	9,530	9,556	10,665	368,1
7,366	8,741	10,925	5,249	9,566	10,015	10,736	368,15
6,937	9,547	9,574	5,426	10,071	10,086	10,806	368,2
6,829	9,967	8,970	6,314	8,774	9,698	10,806	368,25
7,437	12,104	8,188	6,740	9,026	10,121	10,841	368,3
6,794	12,804	7,904	8,161	9,638	10,192	10,806	368,35
6,865	12,839	7,584	7,060	9,314	10,121	10,806	368,4
7,008	11,788	5,736	6,776	8,954	9,980	10,876	368,45
6,937	11,018	4,990	7,131	8,810	10,192	10,876	368,5
6,865	9,862	4,457	7,237	8,341	10,121	10,806	368,55
6,722	9,161	6,021	6,101	8,305	10,121	10,771	368,6
6,543	9,687	7,335	6,349	8,485	10,121	10,665	368,65
6,901	9,862	8,686	4,361	8,990	10,086	10,665	368,7
6,972	10,142	10,356	4,467	9,062	10,050	10,665	368,75
7,294	10,843	11,102	3,615	8,738	9,945	10,736	368,8
7,330	11,788	10,214	3,366	8,377	9,556	10,876	368,85
7,581	12,769	9,503	2,798	8,161	9,627	10,912	368,9
7,437	11,998	9,112	6,065	9,458	9,627	10,806	368,95
7,151	10,352	7,869	8,693	9,566	9,627	10,665	369
7,187	10,142	7,051	9,865	9,242	9,768	10,595	369,05
7,223	9,897	5,061	9,581	9,170	9,662	10,595	369,1
7,187	9,196	4,919	8,835	9,134	9,662	10,630	369,15
7,008	10,667	8,650	7,770	8,089	9,662	10,701	369,2
6,507	11,053	10,534	6,776	8,413	9,698	10,736	369,25
7,080	10,247	10,712	5,568	8,557	9,839	10,701	369,3
6,794	10,667	9,077	5,178	8,665	9,909	10,665	369,35
6,722	10,492	8,366	7,770	8,665	9,874	10,701	369,4
7,187	11,438	9,077	6,989	8,629	10,050	10,736	369,45
7,366	11,158	8,153	7,521	8,521	9,698	10,595	369,5
7,437	11,018	8,082	8,658	8,305	9,733	10,630	369,55
8,189	10,843	7,584	7,557	7,945	9,909	10,595	369,6
7,759	11,508	6,767	7,202	7,008	9,662	10,525	369,65
7,187	11,018	7,584	7,131	6,611	9,839	10,525	369,7
7,652	9,547	8,224	6,207	6,503	9,909	10,595	369,75
6,686	10,317	8,757	5,462	5,242	10,086	10,630	369,8
7,581	11,928	9,503	5,639	5,206	10,121	10,701	369,85
7,115	12,559	9,041	5,142	5,782	10,121	10,736	369,9
7,509	12,524	9,006	7,131	7,224	10,192	10,701	369,95
6,543	12,874	8,295	6,989	6,828	10,192	10,630	370
6,400	12,069	8,366	5,213	6,900	10,121	10,630	370,05
6,686	11,123	7,584	6,243	7,224	10,086	10,560	370,1
6,794	10,667	6,873	6,030	7,332	10,156	10,525	370,15
7,724	10,948	6,980	6,101	7,188	10,156	10,490	370,2
7,223	11,018	7,869	6,634	7,008	10,262	10,454	370,25
7,294	9,511	9,326	5,923	8,521	10,368	10,525	370,3
7,831	9,126	11,600	5,710	8,593	10,474	10,595	370,35
7,044	8,356	14,692	5,746	8,161	10,686	10,630	370,4
6,937	8,776	15,438	5,852	8,125	10,721	10,701	370,45
6,686	9,091	12,702	7,131	7,909	10,756	10,806	370,5
6,901	9,441	11,671	4,183	7,008	10,580	10,736	370,55
7,294	10,107	10,214	5,959	7,440	10,686	10,701	370,6
7,795	12,069	10,463	7,450	7,548	10,615	10,665	370,65
7,688	12,314	10,178	9,404	8,846	10,650	10,630	370,7

6,972	10,983	9,681	9,404	8,629	10,650	10,595	370,75
7,187	10,282	9,788	13,985	7,656	10,580	10,525	370,8
7,402	10,737	7,016	14,020	7,548	10,474	10,525	370,85
7,330	11,053	6,412	11,925	8,125	10,192	10,595	370,9
7,223	12,244	6,483	9,617	7,368	10,474	10,701	370,95
7,759	11,508	6,802	7,663	7,296	10,474	10,665	371
6,794	11,718	7,407	7,983	7,260	10,474	10,701	371,05
6,650	10,527	7,016	9,119	7,188	10,474	10,771	371,1
6,758	10,037	6,660	8,942	6,936	10,192	10,806	371,15
6,579	9,967	6,163	8,622	7,260	9,909	10,876	371,2
6,722	10,422	7,798	9,048	7,873	10,192	10,841	371,25
7,080	10,808	8,082	6,740	7,981	10,439	10,771	371,3
7,581	11,368	7,549	6,776	7,945	10,262	10,630	371,35
7,294	11,158	7,229	7,415	7,332	10,192	10,595	371,4
7,366	10,878	7,371	6,243	6,719	9,980	10,560	371,45
7,044	10,107	6,021	5,604	7,656	10,121	10,525	371,5
6,686	10,212	6,056	5,071	7,548	10,156	10,560	371,55
6,436	9,827	4,777	4,858	7,440	9,909	10,701	371,6
6,579	9,687	10,534	5,178	8,233	9,803	10,841	371,65
6,865	10,142	10,001	3,722	7,584	9,839	10,982	371,7
7,008	11,648	10,250	3,508	7,945	9,415	10,982	371,75
7,008	11,543	11,031	5,710	7,801	9,662	10,876	371,8
7,008	10,808	9,965	5,781	8,269	9,592	10,736	371,85
6,686	10,913	9,503	5,817	7,837	9,909	10,630	371,9
6,436	10,037	8,935	5,781	7,909	9,839	10,665	371,95
7,080	10,107	8,864	5,781	8,918	9,415	10,736	372
7,115	10,317	8,295	6,207	8,521	9,098	10,876	372,05
6,472	9,862	8,722	7,308	8,089	8,992	10,876	372,1
6,543	10,597	9,148	6,563	7,548	9,098	10,806	372,15
6,507	9,932	11,031	7,486	8,197	8,816	10,736	372,2
6,436	10,177	11,102	8,871	8,269	8,886	10,806	372,25
6,293	10,177	10,712	8,800	9,711	9,345	10,912	372,3
7,867	10,808	10,321	8,445	11,224	9,345	10,912	372,35
7,616	12,349	9,574	9,155	10,251	9,556	10,947	372,4
7,688	12,629	9,006	8,622	10,215	9,839	10,982	372,45
7,330	11,963	8,188	9,475	9,891	10,050	11,052	372,5
7,008	10,457	6,412	9,901	9,855	10,050	11,017	372,55
6,722	10,632	5,239	9,901	9,675	10,156	11,052	372,6
5,935	9,792	4,883	8,906	10,071	10,192	11,158	372,65
6,722	10,352	3,924	8,906	9,963	10,121	11,228	372,7
6,865	10,913	6,589	8,551	9,638	10,050	11,193	372,75
6,758	11,263	9,077	7,095	8,017	9,980	11,158	372,8
6,937	11,648	11,458	6,030	9,062	9,980	11,052	372,85
7,223	10,317	10,250	5,284	8,954	9,945	10,947	372,9
7,259	10,002	10,143	4,219	6,359	9,980	10,947	372,95
7,545	10,107	10,001	3,366	8,197	9,909	10,982	373
6,972	9,862	9,610	6,456	7,873	9,909	11,158	373,05
6,901	10,142	9,290	7,912	7,368	10,086	11,333	373,1
6,257	9,897	9,290	7,806	4,485	10,121	11,439	373,15
6,615	9,617	9,041	6,918	7,620	10,156	11,544	373,2
7,294	10,142	8,828	6,527	8,521	10,403	11,579	373,25
7,008	10,878	8,188	7,060	7,620	10,544	11,439	373,3
7,294	11,578	7,087	6,740	8,738	10,403	11,228	373,35
6,901	11,578	7,016	7,699	7,692	9,945	11,122	373,4
6,686	11,228	7,051	8,445	7,368	9,733	11,052	373,45

6,829	11,438	6,340	8,764	7,729	9,698	11,017	373,5
6,865	10,737	5,914	9,475	7,801	9,768	10,982	373,55
7,437	10,737	5,665	8,622	7,945	9,451	11,017	373,6
7,473	10,878	7,016	8,835	8,701	9,733	11,052	373,65
7,151	10,247	9,788	5,817	8,738	9,839	11,122	373,7
7,008	9,757	10,356	5,639	8,089	9,768	11,228	373,75
6,794	10,387	10,854	5,107	8,197	10,050	11,369	373,8
6,794	10,282	9,574	4,325	7,224	10,227	11,298	373,85
6,686	10,457	9,041	6,065	8,521	9,945	11,298	373,9
7,008	11,753	9,112	5,426	8,089	9,698	11,158	373,95
7,294	11,123	8,722	7,060	7,512	9,733	11,017	374
6,543	10,457	8,508	6,953	7,945	9,803	10,876	374,05
7,509	10,072	8,082	9,119	8,269	9,662	10,771	374,1
7,044	9,827	7,158	7,948	8,774	9,909	10,665	374,15
7,473	9,091	6,518	8,090	8,557	10,121	10,736	374,2
7,294	8,846	8,473	8,409	8,593	10,509	10,736	374,25
6,829	8,776	9,752	8,445	7,801	10,968	10,912	374,3
6,686	10,597	9,574	6,705	9,783	10,721	11,122	374,35
6,400	10,387	7,549	5,533	10,287	10,580	11,228	374,4
6,901	10,282	7,513	5,639	7,801	10,333	11,333	374,45
7,044	11,648	7,229	7,806	7,152	10,403	11,298	374,5
6,758	12,629	5,772	5,639	7,656	10,121	11,158	374,55
6,579	11,403	3,533	6,847	10,539	9,980	11,052	374,6
7,008	11,648	3,391	7,699	10,503	9,909	10,947	374,65
7,223	10,983	4,173	7,806	8,593	9,486	10,912	374,7
7,688	9,617	7,158	6,989	7,152	9,451	10,912	374,75
8,761	10,352	7,264	4,467	9,098	9,733	10,947	374,8
6,865	8,601	6,305	4,361	9,350	10,050	11,017	374,85
7,080	8,566	8,295	4,467	11,621	10,509	11,017	374,9
6,865	8,321	11,813	5,178	10,431	10,474	10,982	374,95
6,722	9,652	13,199	5,781	11,080	10,368	11,017	375
7,437	9,967	10,107	7,735	10,828	9,980	11,122	375,05
7,080	11,298	9,468	4,148	9,675	9,662	11,298	375,1
8,403	12,244	9,717	3,118	9,062	9,627	11,439	375,15
6,794	11,438	8,331	4,325	9,098	9,768	11,439	375,2
6,543	10,667	7,655	8,835	9,314	9,909	11,333	375,25
6,901	10,037	6,518	8,906	9,855	9,874	11,228	375,3
7,652	12,139	5,488	9,333	9,386	9,521	11,017	375,35
7,330	11,718	6,589	7,344	9,242	9,345	10,912	375,4
7,294	10,843	5,878	7,663	9,855	9,556	10,806	375,45
6,758	9,897	8,188	7,735	9,638	9,803	10,736	375,5
6,114	9,441	9,006	8,019	8,774	9,768	10,806	375,55
6,722	9,371	8,793	6,740	8,521	9,662	11,017	375,6
6,686	8,496	8,331	5,675	7,801	10,156	11,298	375,65
7,115	10,457	7,655	6,634	7,440	10,615	11,474	375,7
6,686	9,547	9,183	5,746	8,990	10,544	11,579	375,75
7,044	9,336	10,960	6,207	7,873	10,439	11,544	375,8
6,615	9,967	9,255	6,243	8,305	10,544	11,439	375,85
6,328	10,387	8,615	5,923	7,152	10,333	11,193	375,9
6,472	10,247	7,158	5,497	6,792	10,050	11,087	375,95
6,436	10,037	7,478	8,303	6,395	9,768	10,912	376
6,650	10,107	6,802	8,125	7,008	9,698	10,876	376,05
7,187	10,527	6,234	5,107	8,305	9,521	10,912	376,1
7,008	9,862	6,447	6,456	8,593	9,451	11,017	376,15
7,581	10,247	6,163	6,492	9,170	9,556	11,158	376,2

7,008	10,772	8,402	6,278	8,665	9,803	11,298	376,25
6,686	10,702	8,082	4,396	8,810	9,768	11,369	376,3
6,579	9,897	7,726	3,295	8,810	9,733	11,369	376,35
6,150	10,808	7,051	3,864	8,665	9,662	11,298	376,4
5,434	11,263	7,869	3,366	9,747	9,662	11,158	376,45
5,971	11,508	7,051	4,148	8,882	9,627	11,087	376,5
6,829	11,928	7,655	4,822	7,765	9,380	11,158	376,55
6,543	11,158	7,726	5,355	8,305	9,239	11,158	376,6
6,794	9,652	10,321	6,669	7,873	9,098	11,087	376,65
6,865	9,722	10,285	6,030	6,972	9,063	10,982	376,7
6,829	9,476	9,859	4,183	7,440	9,204	10,876	376,75
7,008	8,356	9,397	2,798	8,197	9,345	10,806	376,8
6,615	9,161	9,752	4,432	8,233	9,415	10,876	376,85
7,008	8,321	9,539	4,680	8,377	9,627	10,841	376,9
6,543	7,795	9,788	5,994	8,449	9,627	10,771	376,95
6,400	9,582	10,001	6,882	9,062	9,803	10,665	377
7,008	10,878	9,148	6,776	9,314	9,839	10,595	377,05
6,722	10,037	8,864	7,060	9,963	9,874	10,525	377,1
7,616	10,247	9,219	6,776	8,774	9,662	10,490	377,15
7,867	9,582	6,980	8,338	8,593	9,345	10,525	377,2
7,366	9,897	5,772	8,374	8,089	9,098	10,454	377,25
6,865	10,667	4,919	8,906	8,918	8,992	10,314	377,3
7,330	9,897	6,198	8,729	7,476	9,415	10,033	377,35
6,400	10,317	6,198	8,764	8,305	9,768	9,822	377,4
6,078	11,298	6,305	7,663	8,810	9,909	9,576	377,45
6,722	12,139	5,523	5,959	8,774	9,839	9,470	377,5
6,829	12,069	6,269	5,497	8,377	9,698	9,365	377,55
6,078	11,648	6,625	4,751	6,972	9,662	9,470	377,6
6,794	10,527	5,523	4,077	7,332	9,415	9,611	377,65
7,080	10,177	5,665	5,178	9,098	9,310	9,787	377,7
7,437	9,547	7,229	5,391	8,738	9,698	10,068	377,75
8,546	10,072	9,219	5,036	8,521	9,909	10,279	377,8
7,294	9,617	10,960	3,899	8,125	10,050	10,173	377,85
7,080	8,250	10,605	2,621	7,008	10,262	10,173	377,9
6,937	8,496	10,889	2,479	5,999	10,333	10,314	377,95
6,078	9,336	10,498	4,041	7,260	9,874	10,595	378
7,008	9,511	9,717	5,888	6,251	10,333	10,771	378,05
6,972	10,317	9,432	6,456	6,756	10,192	10,806	378,1
7,044	10,878	9,112	7,592	6,719	10,192	10,876	378,15
7,008	10,107	8,579	9,368	6,756	10,439	10,806	378,2
6,472	11,053	7,513	9,333	6,647	10,474	10,771	378,25
6,865	9,932	6,767	9,404	6,431	10,121	10,771	378,3
7,795	10,212	5,736	10,966	7,332	9,768	10,771	378,35
7,080	9,827	5,381	10,576	8,341	9,380	10,876	378,4
7,044	10,142	5,310	9,546	9,134	9,168	10,876	378,45
7,652	10,737	5,772	9,475	8,593	9,239	10,841	378,5
7,330	9,932	5,026	8,445	9,242	9,345	10,806	378,55
6,436	9,722	6,873	7,770	9,098	9,627	10,841	378,6
6,722	9,687	5,594	7,202	9,386	9,698	10,806	378,65
6,078	11,018	6,838	6,136	8,269	9,733	10,876	378,7
6,400	12,454	6,731	4,965	8,197	9,909	10,912	378,75
6,972	12,734	7,335	4,822	8,629	9,980	10,982	378,8
6,722	12,489	8,011	2,443	10,612	9,803	11,052	378,85
7,115	11,018	7,726	3,402	10,359	10,050	11,017	378,9
8,010	10,808	7,478	3,651	10,143	10,050	10,876	378,95

7,473	10,002	8,579	5,710	9,855	10,156	10,736	379
7,044	11,543	9,894	3,970	10,684	10,192	10,630	379,05
7,902	10,317	8,970	5,142	10,648	10,015	10,630	379,1
7,366	9,792	7,513	3,757	10,648	10,050	10,665	379,15
7,115	8,741	6,056	4,645	9,314	10,297	10,701	379,2
6,543	8,951	15,331	6,953	9,242	10,368	10,771	379,25
6,543	9,126	13,341	7,557	9,242	10,544	10,841	379,3
7,366	8,636	12,346	6,456	8,954	10,474	10,947	379,35
6,686	10,667	10,498	5,107	9,098	10,262	10,947	379,4
6,937	11,053	9,148	4,254	8,269	10,156	10,912	379,45
7,151	9,582	9,255	8,693	7,440	10,156	10,806	379,5
7,294	9,722	8,508	9,155	7,945	10,086	10,841	379,55
6,972	10,037	6,767	10,185	7,945	10,050	10,771	379,6
6,901	9,967	5,772	11,960	8,593	9,451	10,665	379,65
7,080	9,266	4,706	9,404	9,422	9,133	10,665	379,7
7,080	10,247	7,371	9,688	9,963	9,274	10,665	379,75
7,223	12,454	6,731	9,013	10,467	9,345	10,806	379,8
7,366	12,244	7,229	9,297	11,116	9,380	10,771	379,85
7,223	11,858	6,731	9,048	11,152	9,274	10,771	379,9
6,579	10,177	7,051	7,486	10,972	9,274	10,771	379,95
7,259	11,508	7,229	7,415	10,467	9,168	10,841	380
7,151	11,088	7,940	6,953	10,143	9,063	10,982	380,05
7,581	10,737	8,224	5,923	10,900	8,957	11,087	380,1
6,901	10,317	7,975	5,710	9,963	9,027	11,193	380,15
7,402	9,266	9,539	4,822	9,783	8,992	11,193	380,2
6,543	8,846	9,574	5,710	8,197	9,063	11,158	380,25
7,151	9,547	9,290	5,710	7,801	9,274	11,087	380,3
6,328	9,757	9,432	7,877	7,801	9,310	11,017	380,35
6,293	11,928	8,366	8,054	8,341	9,345	10,947	380,4
7,044	11,123	8,011	9,226	8,377	9,345	10,947	380,45
6,901	10,142	7,478	8,764	7,512	9,345	10,947	380,5
7,080	10,002	7,691	9,475	8,810	9,415	11,052	380,55
6,794	9,652	6,092	10,362	8,665	9,486	11,158	380,6
7,008	9,757	6,163	9,723	9,206	9,556	11,298	380,65
6,579	8,846	6,518	8,551	9,494	9,521	11,369	380,7
6,829	10,772	7,691	8,480	9,242	9,627	11,298	380,75
6,615	10,422	8,686	7,983	9,783	9,733	11,228	380,8
6,865	10,282	8,366	7,415	9,278	9,839	11,052	380,85
7,151	10,913	7,833	6,492	8,954	9,839	11,017	380,9
6,758	10,002	7,229	6,563	8,341	9,803	10,982	380,95
6,794	11,053	7,442	5,852	7,981	9,839	10,912	381
6,579	11,473	6,731	6,918	7,692	9,803	10,876	381,05
6,543	11,578	7,940	5,994	8,125	9,627	10,947	381,1
7,187	11,263	6,696	5,213	7,945	9,909	11,017	381,15
6,758	10,878	6,980	5,639	8,557	10,050	11,087	381,2
7,080	11,508	6,731	5,994	8,774	10,050	11,158	381,25
7,115	11,088	8,224	5,178	8,738	9,945	11,158	381,3
7,151	10,177	7,975	6,349	8,125	9,945	11,158	381,35
6,972	9,932	8,970	5,994	7,837	9,909	11,087	381,4
6,221	10,562	8,899	5,426	8,089	9,909	11,017	381,45
7,223	10,667	8,188	4,183	8,738	9,909	10,876	381,5
6,829	10,527	7,655	5,497	8,918	9,839	10,806	381,55
6,472	10,702	7,726	5,746	7,801	9,627	10,806	381,6
6,436	11,018	7,904	5,426	7,620	9,521	10,736	381,65
6,901	10,177	8,011	5,852	7,008	9,486	10,701	381,7

6,901	9,897	7,478	6,918	6,972	9,627	10,665	381,75
7,044	10,212	7,407	6,776	7,224	9,839	10,665	381,8
6,972	10,247	7,300	7,308	8,774	10,050	10,630	381,85
7,974	9,757	7,726	7,735	7,873	10,050	10,701	381,9
6,364	10,387	7,975	7,379	7,296	9,945	10,771	381,95
6,328	10,948	8,508	6,918	7,837	9,945	10,806	382
6,722	11,403	8,402	5,284	10,720	9,980	10,806	382,05
6,758	11,613	8,295	5,568	9,530	9,980	10,806	382,1
7,044	11,123	7,833	5,639	9,422	10,227	10,736	382,15
6,650	10,247	6,127	4,538	7,188	10,403	10,595	382,2
6,364	9,547	5,239	7,912	7,512	9,909	10,419	382,25
7,330	8,741	6,305	7,202	7,801	10,192	10,349	382,3
6,364	9,056	7,264	6,456	9,602	9,768	10,314	382,35
7,366	10,247	9,752	5,639	8,125	9,803	10,419	382,4
7,366	10,422	10,498	4,290	7,656	9,698	10,560	382,45
7,080	10,317	10,107	5,568	8,449	9,698	10,665	382,5
6,758	9,336	8,722	3,331	7,332	9,980	10,771	382,55
6,436	8,741	8,046	6,527	8,738	9,980	10,806	382,6
6,007	8,776	7,798	6,811	7,909	9,945	10,806	382,65
6,007	9,547	7,762	6,989	8,377	10,333	10,806	382,7
6,472	10,177	7,264	8,125	7,296	10,615	10,736	382,75
7,080	10,527	8,366	9,262	7,548	10,615	10,630	382,8
6,722	10,772	7,584	8,196	7,620	10,333	10,630	382,85
7,366	9,266	7,158	7,841	7,044	10,121	10,595	382,9
7,187	9,126	6,518	6,847	7,368	10,262	10,595	382,95
7,402	8,916	7,549	8,019	8,954	10,192	10,595	383
7,902	9,196	6,767	8,161	9,134	10,262	10,560	383,05
7,151	11,403	7,442	6,847	8,738	10,862	10,490	383,1
7,151	9,967	8,153	6,420	8,197	10,791	10,525	383,15
6,436	11,648	7,087	6,101	8,089	10,580	10,595	383,2
7,008	11,648	6,234	7,060	8,557	10,368	10,736	383,25
7,115	11,228	6,518	8,125	11,080	10,297	10,806	383,3
6,972	10,808	6,554	7,948	9,530	10,086	10,876	383,35
6,650	10,247	4,955	8,161	8,882	10,121	10,912	383,4
6,436	9,967	4,493	7,806	8,377	9,945	10,876	383,45
6,328	9,792	6,163	6,030	8,305	9,345	10,806	383,5
6,937	9,196	6,660	6,776	7,945	8,886	10,736	383,55
7,187	9,196	8,508	5,852	7,873	8,639	10,595	383,6
7,044	8,776	10,214	4,858	7,476	8,286	10,490	383,65
7,080	9,441	10,854	4,538	7,873	7,722	10,454	383,7
7,294	10,282	11,209	3,544	8,233	7,263	10,490	383,75
7,187	11,053	10,250	2,230	9,242	7,651	10,630	383,8
6,543	11,648	9,112	0,987	7,512	7,934	10,876	383,85
6,257	10,772	7,442	3,508	8,089	8,004	10,982	383,9
6,865	10,737	6,909	5,923	8,233	8,039	11,087	383,95
6,364	10,107	7,407	6,776	8,161	7,969	11,087	384
6,650	10,913	7,655	7,344	8,089	7,863	11,017	384,05
6,579	9,406	7,513	6,918	7,801	8,145	10,947	384,1
6,758	9,056	8,224	7,628	8,954	8,181	10,806	384,15
6,722	9,161	9,112	5,142	9,170	8,145	10,630	384,2
6,615	8,986	9,041	5,213	8,918	8,251	10,560	384,25
6,722	8,531	9,255	3,793	6,395	8,851	10,454	384,3
6,865	10,247	9,148	5,568	9,314	9,063	10,560	384,35
7,187	10,527	8,935	5,675	9,134	9,380	10,806	384,4
6,364	11,508	8,864	6,207	9,314	9,733	11,052	384,45

6,364	10,597	8,188	7,344	10,287	9,874	11,228	384,5
6,364	10,597	7,584	7,202	10,503	10,297	11,228	384,55
6,686	10,527	6,163	7,344	10,828	10,544	11,228	384,6
7,008	10,527	6,412	7,912	10,828	10,615	11,158	384,65
6,937	10,177	7,264	7,983	9,855	10,827	11,087	384,7
6,758	9,371	7,798	8,125	8,738	11,003	11,017	384,75
6,007	9,266	7,762	7,735	8,593	10,968	10,876	384,8
6,758	10,387	8,366	6,385	8,485	10,968	10,876	384,85
6,758	10,282	7,940	6,527	8,918	11,038	10,912	384,9
6,722	9,932	6,909	6,634	7,620	10,932	11,017	384,95
7,080	11,088	7,833	6,882	7,801	10,862	11,158	385
6,185	11,858	7,478	6,207	7,080	10,756	11,228	385,05
6,543	11,403	7,513	6,278	8,161	10,615	11,369	385,1
6,543	11,228	6,767	6,172	7,981	10,615	11,333	385,15
6,436	9,897	6,376	7,060	7,008	10,509	11,298	385,2
6,185	11,928	5,914	7,486	8,449	10,509	11,158	385,25
6,328	12,069	8,117	7,131	8,557	10,509	10,982	385,3
6,829	11,368	8,828	6,136	8,089	10,439	10,876	385,35
6,114	11,263	9,717	5,710	7,981	10,403	10,771	385,4
6,400	9,897	9,112	3,686	8,305	10,262	10,771	385,45
6,829	9,967	8,935	5,533	9,062	10,015	10,701	385,5
6,794	9,021	7,691	6,136	7,008	9,980	10,771	385,55
6,185	8,566	6,873	7,166	7,801	10,050	10,771	385,6
6,114	8,986	6,412	6,492	7,837	10,086	10,701	385,65
6,257	9,547	10,143	7,202	7,008	10,192	10,665	385,7
6,150	9,406	12,275	8,338	7,368	10,333	10,560	385,75
6,150	10,737	9,859	7,379	8,954	10,474	10,419	385,8
6,221	11,088	9,717	5,639	8,954	10,615	10,314	385,85
6,794	10,317	9,255	8,622	9,530	10,756	10,208	385,9
6,579	10,177	8,864	7,948	11,224	10,721	10,138	385,95
6,579	10,527	7,407	9,901	9,458	10,650	10,208	386
7,080	10,422	6,945	9,759	9,206	10,509	10,314	386,05
6,364	10,387	6,234	9,013	8,305	10,403	10,419	386,1
6,472	10,212	6,198	8,835	8,017	10,403	10,490	386,15
6,507	10,492	6,660	8,693	7,801	10,333	10,525	386,2
6,722	11,438	5,736	7,912	7,729	10,227	10,560	386,25
7,044	12,419	5,594	7,202	7,440	10,262	10,595	386,3
6,400	12,629	7,300	7,060	6,792	10,368	10,595	386,35
7,223	11,648	6,660	7,060	6,647	10,439	10,630	386,4
7,437	10,632	6,376	5,391	7,008	10,509	10,630	386,45
6,972	9,652	6,731	5,462	6,972	10,474	10,665	386,5
6,257	10,107	6,696	5,355	7,692	10,509	10,665	386,55
6,472	9,652	8,224	4,716	7,584	10,474	10,806	386,6
6,472	10,002	10,783	4,290	7,080	10,615	10,947	386,65
6,114	10,107	12,062	4,183	7,188	10,756	10,982	386,7
7,294	10,597	11,707	4,148	7,440	10,756	11,052	386,75
7,151	9,757	10,498	4,538	7,440	10,968	11,158	386,8
7,366	9,476	10,072	4,574	9,170	11,215	11,193	386,85
6,972	10,247	9,290	7,202	8,197	11,038	11,228	386,9
7,330	10,422	9,539	7,024	9,098	11,603	11,087	386,95
7,437	11,088	8,508	9,119	8,557	11,391	10,947	387
7,115	12,244	8,046	9,759	8,738	10,474	10,806	387,05
6,865	11,858	6,873	8,480	9,530	10,368	10,806	387,1
6,829	11,578	6,660	7,237	10,179	10,439	10,841	387,15
7,259	11,158	6,660	6,349	11,296	10,721	10,912	387,2

7,008	11,228	6,340	5,994	10,756	10,686	10,947	387,25
6,794	10,948	7,335	5,852	9,422	10,791	10,947	387,3
6,722	11,088	8,153	5,533	8,629	10,968	10,876	387,35
6,901	11,018	10,143	4,893	8,701	10,756	10,912	387,4
6,722	10,843	11,600	5,142	7,548	10,439	10,841	387,45
7,437	10,037	11,173	5,497	7,729	10,368	10,771	387,5
7,688	8,986	10,925	4,893	8,017	10,368	10,665	387,55
7,044	9,266	10,534	5,639	8,846	10,227	10,595	387,6
7,044	9,336	10,036	7,912	7,801	10,192	10,665	387,65
7,294	9,582	10,214	9,723	8,233	10,192	10,665	387,7
7,366	10,037	9,361	13,310	7,873	10,650	10,665	387,75
6,937	10,527	9,503	10,576	7,801	10,403	10,841	387,8
7,008	11,578	8,082	9,794	7,837	10,721	10,947	387,85
7,581	10,387	7,726	8,906	7,260	10,544	11,087	387,9
7,223	10,667	8,011	7,557	8,377	10,015	11,193	387,95
7,259	10,072	6,945	6,918	8,341	9,627	11,193	388
7,509	10,387	6,873	7,557	7,656	9,592	11,087	388,05
7,831	10,422	7,087	6,669	7,837	9,733	10,912	388,1
7,616	10,352	8,082	6,918	7,224	9,874	10,876	388,15
7,545	9,897	9,077	5,923	7,296	10,086	10,876	388,2
7,616	9,862	8,899	5,355	7,368	10,192	10,982	388,25
7,151	9,056	9,290	5,391	7,080	9,698	11,087	388,3
7,831	11,368	9,219	5,071	7,656	9,980	11,158	388,35
7,473	12,489	8,650	5,923	7,044	9,909	11,298	388,4
7,044	12,769	8,686	7,379	8,089	10,050	11,404	388,45
7,008	11,368	8,331	8,835	7,404	10,050	11,404	388,5
6,722	11,158	6,873	6,989	6,828	9,698	11,298	388,55
7,545	10,808	7,016	6,918	7,440	9,451	11,122	388,6
7,294	10,667	7,584	6,420	7,512	9,698	11,087	388,65
7,652	11,088	8,650	6,207	7,224	9,627	11,158	388,7
7,151	10,247	9,788	5,000	8,305	9,662	11,158	388,75
6,937	9,652	10,640	5,604	7,729	10,439	11,263	388,8
6,472	8,776	11,245	5,320	8,882	10,544	11,333	388,85
6,650	8,881	9,965	5,284	9,638	10,544	11,369	388,9
7,867	9,336	10,107	6,207	8,954	10,227	11,439	388,95
7,437	10,247	10,392	6,492	9,098	10,227	11,439	389
7,437	10,352	9,752	6,030	9,242	10,192	11,439	389,05
8,618	8,916	9,006	9,333	9,134	10,156	11,439	389,1
7,509	9,196	9,326	8,942	9,350	9,839	11,298	389,15
7,831	10,983	8,793	9,226	8,882	9,556	11,228	389,2
7,831	11,858	8,899	9,475	9,170	9,556	11,193	389,25
7,294	11,928	8,082	9,048	9,242	9,980	11,228	389,3
7,581	11,893	7,513	9,048	8,738	10,686	11,263	389,35
7,581	12,454	6,767	8,374	8,846	10,509	11,369	389,4
6,615	12,909	6,483	8,019	8,774	10,121	11,439	389,45
6,758	12,664	6,269	7,592	9,170	9,909	11,509	389,5
7,008	12,209	6,731	6,598	8,593	10,121	11,579	389,55
6,722	11,228	6,518	6,349	10,071	10,121	11,439	389,6
6,650	11,718	7,513	5,533	7,584	10,156	11,333	389,65
6,650	11,368	8,544	4,716	7,656	9,874	11,193	389,7
8,189	11,438	10,427	5,036	7,080	9,839	11,017	389,75
7,724	10,948	11,209	4,751	8,197	9,733	10,912	389,8
7,974	10,247	11,813	4,148	7,873	9,909	10,982	389,85
8,511	9,336	11,351	3,615	7,008	9,909	11,052	389,9
8,153	9,231	10,001	5,391	6,864	10,050	11,087	389,95

7,938	10,737	8,970	5,320	6,972	10,015	11,158	390
7,652	9,722	9,574	6,776	7,656	9,874	11,298	390,05
7,473	11,088	9,823	8,338	8,125	9,768	11,369	390,1
7,294	10,107	10,925	8,693	6,828	9,945	11,439	390,15
7,115	11,648	9,219	8,338	7,224	10,121	11,439	390,2
7,652	12,209	8,899	7,806	8,629	9,945	11,439	390,25
8,081	11,263	8,188	7,912	9,350	9,980	11,404	390,3
7,330	11,018	8,011	8,764	8,810	10,192	11,369	390,35
7,080	10,142	6,589	8,658	9,819	10,192	11,439	390,4
7,759	9,722	6,589	8,800	10,684	10,192	11,439	390,45
7,151	10,317	6,731	9,333	10,756	10,262	11,544	390,5
7,223	11,193	8,153	8,658	10,720	10,156	11,650	390,55
7,437	10,808	8,935	7,379	10,179	10,121	11,755	390,6
7,223	10,457	10,747	6,776	8,810	10,086	11,755	390,65
7,902	10,562	9,645	6,527	7,801	10,192	11,755	390,7
7,509	10,913	9,717	5,355	8,413	10,192	11,650	390,75
7,974	11,018	9,574	5,923	7,729	9,909	11,579	390,8
7,867	11,718	9,503	8,338	7,981	9,451	11,544	390,85
7,867	13,190	8,508	8,196	8,017	9,133	11,544	390,9
7,938	11,788	7,051	8,267	7,873	8,710	11,509	390,95
7,187	11,123	6,127	7,841	8,593	8,604	11,544	391
8,689	10,212	5,772	6,847	8,918	8,710	11,579	391,05
7,366	10,527	5,878	7,060	8,665	8,745	11,615	391,1
6,865	9,687	6,980	6,563	8,161	8,780	11,685	391,15
6,937	10,527	10,072	6,385	9,170	8,851	11,720	391,2
7,044	11,123	12,169	4,325	8,593	8,780	11,826	391,25
6,543	12,139	13,768	2,798	8,377	8,816	11,720	391,3
6,722	11,333	13,768	5,391	8,846	8,992	11,720	391,35
7,294	10,632	12,275	3,260	8,341	9,204	11,509	391,4
6,758	11,088	11,671	6,563	8,449	9,415	11,439	391,45
7,330	10,772	10,214	10,540	7,801	9,415	11,263	391,5
7,294	10,002	10,285	9,759	7,620	9,556	11,158	391,55
7,437	10,492	9,894	10,114	8,485	9,592	11,087	391,6
7,938	10,562	8,757	12,316	8,521	9,627	11,193	391,65
7,688	9,967	8,366	11,144	8,017	9,521	11,158	391,7
7,473	9,722	9,112	9,581	7,801	9,310	11,228	391,75
7,187	10,878	9,894	9,190	7,332	8,992	11,439	391,8
6,829	11,088	9,006	7,841	8,233	9,098	11,439	391,85
6,937	10,878	8,899	6,669	6,972	9,345	11,439	391,9
7,652	11,753	8,046	6,456	7,080	9,627	11,228	391,95
7,151	12,104	7,869	6,278	7,801	9,415	11,369	392
7,294	11,368	7,513	7,237	7,801	9,098	11,369	392,05
7,259	10,527	7,051	6,989	8,233	9,345	11,158	392,1
7,509	10,808	6,340	6,669	7,729	9,063	11,052	392,15
7,867	10,948	7,513	6,456	7,512	9,063	11,087	392,2
7,402	11,018	10,569	5,107	8,089	9,133	11,017	392,25
7,759	10,422	12,062	5,639	7,656	9,133	11,122	392,3
7,473	11,298	13,022	5,355	7,476	9,592	11,158	392,35
7,724	10,772	12,559	5,462	7,729	10,121	10,912	392,4
7,652	9,827	11,849	4,290	7,440	10,368	11,263	392,45
7,759	10,352	11,920	6,989	6,828	10,403	11,369	392,5
7,008	9,722	10,889	10,220	5,674	9,768	11,298	392,55
6,865	9,897	10,072	12,884	6,035	10,156	11,474	392,6
6,794	11,053	9,645	11,712	6,936	10,192	11,263	392,65
7,223	11,228	8,402	11,463	6,792	10,050	11,158	392,7

7,187	11,438	8,331	11,641	7,620	9,980	10,876	392,75
7,759	10,667	7,940	11,534	8,918	9,980	10,736	392,8
8,224	9,827	6,802	11,250	10,467	9,698	10,525	392,85
8,654	9,932	6,518	10,327	10,287	9,521	10,314	392,9
7,974	10,002	6,660	10,114	10,431	9,310	10,173	392,95
7,581	11,368	6,873	9,972	8,882	9,733	10,244	393
7,724	10,808	6,660	8,835	9,638	9,839	10,525	393,05
7,974	10,667	7,513	8,622	8,485	9,909	10,806	393,1
7,831	11,508	7,798	8,303	9,891	9,839	11,017	393,15
7,044	12,629	6,056	6,776	7,548	9,733	11,087	393,2
7,187	13,610	7,442	6,811	7,548	9,698	10,947	393,25
6,865	12,769	6,980	6,527	7,873	9,909	10,771	393,3
6,722	13,505	6,660	6,420	7,008	9,839	10,525	393,35
6,937	13,330	6,447	5,320	7,656	9,874	10,314	393,4
7,044	12,909	8,153	4,290	5,927	9,839	10,314	393,45
7,581	12,279	7,798	5,142	3,873	9,768	10,384	393,5
7,151	10,913	9,255	4,325	8,161	9,733	10,349	393,55
7,294	10,948	11,280	5,355	8,089	9,980	10,349	393,6
7,330	10,808	11,778	2,727	7,332	9,839	10,525	393,65
7,259	9,652	12,062	5,071	7,873	9,733	10,665	393,7
7,581	9,827	12,915	5,426	7,512	9,451	10,736	393,75
8,010	9,126	13,093	6,101	7,440	9,627	10,806	393,8
7,581	9,266	13,555	6,634	8,125	9,909	10,876	393,85
7,294	8,671	12,879	8,516	8,521	10,333	10,736	393,9
7,724	8,391	11,742	8,800	8,521	9,662	10,736	393,95
7,688	10,387	11,493	9,475	8,774	9,486	10,806	394
7,223	10,772	11,316	10,256	9,062	9,627	10,701	394,05
7,509	11,193	9,788	12,032	8,990	10,015	10,771	394,1
7,581	11,088	9,148	12,032	9,747	10,015	10,736	394,15
7,938	11,298	9,503	10,824	10,287	9,698	11,052	394,2
8,260	11,193	9,006	10,824	9,566	9,768	10,876	394,25
7,795	10,352	7,513	10,611	10,359	9,803	10,841	394,3
7,294	11,508	7,264	10,505	10,828	9,909	11,087	394,35
7,437	10,808	6,021	9,794	9,747	9,945	11,228	394,4
7,581	11,508	4,955	9,901	11,801	9,909	11,333	394,45
7,616	11,158	6,518	9,368	11,008	9,874	11,369	394,5
7,831	12,174	6,873	8,516	10,612	9,415	11,193	394,55
7,294	11,928	6,767	7,912	9,783	9,168	11,193	394,6
7,795	12,069	7,122	8,090	7,332	9,168	11,087	394,65
7,616	11,298	7,513	8,303	6,431	9,204	11,122	394,7
7,902	10,597	7,584	5,959	6,828	9,239	10,912	394,75
7,759	10,702	8,082	5,071	8,593	8,851	10,876	394,8
7,652	10,667	9,148	4,787	7,296	9,168	10,876	394,85
7,294	11,683	10,107	4,574	7,152	9,063	11,122	394,9
7,581	11,508	10,356	4,254	7,620	9,274	10,947	394,95
7,795	11,508	9,681	4,716	8,233	9,486	11,087	395
7,473	11,298	8,899	4,751	8,017	9,909	11,298	395,05
7,581	10,527	8,224	6,492	8,269	9,839	11,158	395,1
7,724	11,053	8,260	6,598	8,701	9,662	11,298	395,15
7,509	11,578	8,579	8,054	7,945	9,839	11,193	395,2
7,974	11,158	8,935	6,207	8,954	9,698	11,193	395,25
7,402	10,808	10,676	6,953	8,017	9,698	11,122	395,3
6,937	10,843	10,605	6,847	8,089	9,415	11,052	395,35
7,044	11,298	10,107	6,101	8,305	9,310	10,841	395,4
7,008	11,718	8,970	5,320	8,017	9,274	10,771	395,45

7,509	10,772	8,864	5,107	9,026	9,310	10,947	395,5
7,437	11,508	8,473	6,492	9,242	9,486	11,122	395,55
7,652	11,228	8,260	7,557	10,395	9,592	11,158	395,6
7,581	10,808	8,153	7,770	10,251	9,698	11,193	395,65
6,758	10,387	8,793	7,095	10,359	10,050	11,087	395,7
7,008	11,263	9,361	7,344	10,395	10,192	11,017	395,75
7,008	11,158	9,610	6,563	9,602	10,192	10,947	395,8
6,937	11,263	9,752	6,101	8,377	9,980	10,947	395,85
8,725	10,808	12,844	6,563	7,080	9,592	10,876	395,9
7,294	10,878	12,631	6,385	8,017	9,451	10,806	395,95
7,294	10,808	11,849	7,841	7,260	9,768	10,806	396
8,046	9,827	11,635	7,628	7,332	9,909	10,912	396,05
7,509	10,037	10,712	7,735	6,647	10,262	10,912	396,1
6,829	9,547	10,356	9,794	6,143	10,262	10,876	396,15
7,080	9,932	10,143	10,007	7,224	10,192	10,876	396,2
7,545	11,088	9,717	10,789	6,647	10,121	10,947	396,25
7,080	11,053	8,935	9,723	6,503	10,192	11,017	396,3
7,044	11,928	8,615	8,906	6,792	10,227	11,017	396,35
6,686	10,597	8,153	8,835	8,341	10,192	11,017	396,4
6,937	10,492	8,366	8,871	8,485	10,333	10,876	396,45
6,722	9,722	7,655	8,516	7,873	10,297	10,841	396,5
7,008	11,018	7,122	7,735	7,260	10,368	10,841	396,55
7,867	10,597	7,122	7,486	9,494	10,262	10,912	396,6
7,652	11,508	7,726	8,090	8,017	10,650	10,982	396,65
7,902	11,648	8,935	7,344	9,062	10,791	10,982	396,7
7,759	11,193	7,726	7,486	7,620	10,615	10,947	396,75
7,867	11,123	7,371	7,273	8,485	10,474	10,982	396,8
8,224	11,963	6,483	5,710	7,008	10,262	11,017	396,85
7,509	11,998	6,305	6,882	7,332	10,192	11,052	396,9
7,187	11,403	7,051	6,776	7,044	10,474	11,017	396,95
7,223	12,279	7,655	6,136	8,629	10,580	10,912	397
6,794	12,279	7,798	5,000	7,584	10,580	10,876	397,05
7,509	12,104	8,260	4,751	8,377	10,262	10,876	397,1
7,008	12,209	8,437	5,639	8,521	9,980	10,841	397,15
6,972	11,858	9,539	6,101	8,774	9,592	10,806	397,2
7,294	11,053	9,965	5,852	8,557	9,239	10,876	397,25
7,366	11,438	10,712	5,710	9,711	8,921	10,876	397,3
7,437	10,002	10,889	5,959	8,918	8,921	10,947	397,35
7,223	9,652	11,102	5,462	8,701	8,992	11,017	397,4
7,366	10,107	9,930	6,207	8,197	8,745	11,158	397,45
7,652	8,706	9,574	5,959	7,945	9,063	11,122	397,5
7,151	8,321	9,539	6,420	7,801	8,886	11,122	397,55
7,902	9,091	10,285	7,131	7,801	8,780	11,158	397,6
7,223	8,671	10,640	8,303	7,873	9,098	11,017	397,65
7,724	8,846	10,107	8,374	7,873	8,286	10,947	397,7
7,259	10,457	8,935	7,557	8,449	8,569	10,841	397,75
7,008	10,843	9,148	7,273	7,584	8,710	10,912	397,8
8,046	10,352	8,473	8,090	7,008	8,851	10,947	397,85
7,080	10,737	7,691	9,262	7,909	9,133	11,017	397,9
6,972	11,473	6,660	9,404	7,260	9,451	11,017	397,95
7,330	10,878	6,696	9,190	8,954	9,874	11,087	398
7,008	12,209	5,772	8,196	9,098	9,909	11,158	398,05
7,581	12,069	6,447	8,516	9,278	10,121	11,298	398,1
7,115	11,648	6,945	7,557	9,819	10,262	11,439	398,15
7,187	11,368	7,584	7,592	9,530	10,615	11,579	398,2

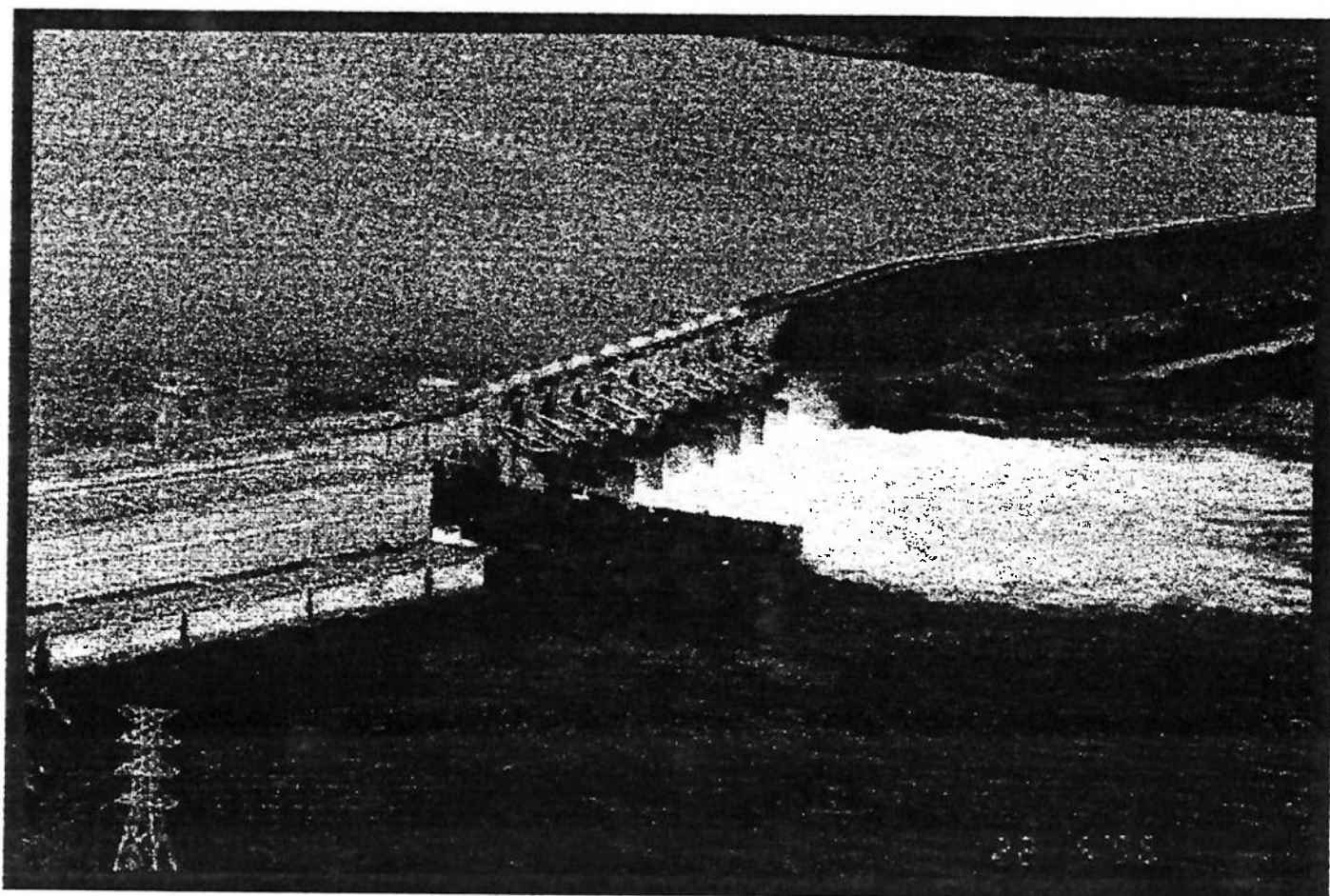
7,223	11,718	7,869	6,669	9,062	11,003	11,720	398,25
6,865	10,808	8,473	6,776	8,665	11,109	11,544	398,3
6,007	11,123	8,331	5,178	8,089	10,897	11,439	398,35
6,507	10,772	8,437	4,183	8,089	10,050	11,369	398,4
6,650	10,878	9,610	4,751	7,945	9,204	11,298	398,45
6,972	10,387	8,473	4,929	7,801	8,921	11,228	398,5
7,115	11,018	9,930	4,041	8,269	9,486	11,228	398,55
7,366	10,457	9,717	4,396	7,620	9,415	11,298	398,6
7,724	10,667	10,498	5,249	7,008	9,310	11,439	398,65
7,509	9,967	9,717	4,538	7,080	9,239	11,509	398,7
7,008	9,582	9,823	5,355	8,089	9,345	11,439	398,75
7,187	9,406	9,645	5,142	8,377	9,486	11,369	398,8
8,224	9,687	9,255	6,349	8,593	9,803	11,017	398,85
7,366	9,897	9,112	9,546	8,629	9,980	10,841	398,9
7,402	10,737	8,260	9,262	9,134	10,050	10,665	398,95
7,008	11,998	8,153	8,906	11,152	10,156	10,665	399
7,115	12,559	7,940	9,297	8,990	9,768	10,876	399,05
6,722	11,648	7,335	9,794	10,323	9,874	11,087	399,1
6,865	11,333	7,940	9,048	9,747	9,698	11,228	399,15
6,758	10,808	6,234	8,054	10,359	9,909	11,263	399,2
7,151	10,247	6,234	8,516	11,512	9,768	11,228	399,25
7,366	10,527	6,447	8,019	10,467	10,050	11,369	399,3
6,615	10,177	7,549	8,232	8,738	10,192	11,017	399,35
6,972	9,827	9,219	6,278	8,341	10,227	10,490	399,4
6,507	8,881	10,427	6,492	8,089	10,333	10,314	399,45
6,758	8,040	10,960	4,822	7,656	10,121	10,419	399,5
7,080	8,811	10,001	5,497	8,485	9,980	10,701	399,55
6,937	9,617	10,996	6,563	8,305	10,050	10,701	399,6
7,115	9,862	11,245	5,391	8,413	10,121	10,701	399,65
6,865	10,457	11,102	7,699	7,548	9,945	10,771	399,7
6,901	10,282	10,321	8,800	8,377	9,909	10,841	399,75
7,223	10,107	9,041	9,830	7,873	9,945	10,771	399,8
6,722	10,808	7,655	10,505	7,008	10,580	10,771	399,85
6,364	10,247	7,975	9,333	7,080	11,074	10,876	399,9
6,865	10,948	6,731	9,297	6,611	10,474	10,982	399,95
6,722	11,508	6,127	9,972	7,044	10,439	10,912	400
7,330	11,648	6,589	9,475	7,584	10,403	10,876	400,05
7,759	10,878	5,878	8,480	7,368	10,544	10,454	400,1
7,437	10,317	5,736	8,480	7,729	10,439	10,736	400,15
6,901	10,002	4,173	8,800	7,909	10,262	10,841	400,2
6,722	9,687	5,168	8,090	8,269	10,262	10,595	400,25
6,650	9,476	8,011	7,060	8,846	10,156	10,595	400,3

Anexo 3 – Relato do Trabalho da Subcomissão “Desenvolvimento de Pesquisa”,
Estudo de Flutuação de Pressão em Bacia de Dissipação, Caso Usina Porto
Colombia.

ASSOCIAÇÃO BRASILEIRA DE RECURSOS HÍDRICOS - ABRH

COMISSÃO DE HIDRÁULICA E MECÂNICA DOS FLUIDOS

RELATO DO TRABALHO DA SUBCOMISSÃO
"DESENVOLVIMENTO DE PESQUISA"



ESTUDO DE FLUTUAÇÃO DE PRESSÃO
EM BACIA DE DISSIPAÇÃO

- CASO USINA PORTO COLÔMBIA -

ESTUDOS DE FLUTUAÇÃO DE PRESSÃO EM BACIA DE DISSIPACÃO

Caso Usina Porto Colômbia

AUTORES

Fátima Moraes de Almeida	FURNAS
Jayme Pinto Ortiz	FCTH / EPUSP
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Modelo 1:100

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ASSOCIAÇÃO BRASILEIRA DE RECURSOS HÍDRICOS - ABRH

COMISSÃO DE HIDRÁULICA E MECÂNICA DOS FLUIDOS

RELATO DO TRABALHO DA SUBCOMISSÃO "DESENVOLVIMENTO DE PESQUISA"

ESTUDO DE FLUTUAÇÃO DE PRESSÃO EM BACIA DE DISSIPACÃO

1. INTRODUÇÃO

Criada em novembro de 1990, com objetivo principal de incentivar a participação dos profissionais da área de hidráulica nos trabalhos e eventos promovidos pela ABRH, a Comissão de Hidráulica e Mecânica dos Fluidos criou uma Subcomissão destinada a prestar apoio às pesquisas hidráulicas em desenvolvimento no país. A Subcomissão "Desenvolvimento de Pesquisa" foi composta pelos Laboratórios de Hidráulica representados na Comissão (FURNAS (LAHE), FCTH e CEHPAR), que se comprometeram a somar esforços em torno de um tema para pesquisa conjunta.

Em novembro de 1993, no X Simpósio Brasileiro de Recursos Hídricos da ABRH, realizado na cidade de Gramado-RS, foi proposto pelo LAHE a escolha do tema "Estudo de Flutuação de Pressão em Bacia de Dissipação".

Tal proposta foi vinculada a oportunidade surgida com o ensecamento da Bacia de Dissipação do Vertedouro da UHE de Porto Colômbia, de propriedade de Furnas Centrais Elétricas S.A., programado para o período de estiagem do ano de 1995.

O ensecamento da Bacia permitiria o desenvolvimento dos trabalhos preliminares necessários à sua instrumentação.

Desde então a Subcomissão "Desenvolvimento de Pesquisa" passou a atuar na elaboração desse projeto, que consistia da aquisição de dados instantâneos de pressão no protótipo e em modelos hidráulicos reduzidos construídos em diversas escalas.

No período de 17 a 23/05/96, realizou-se, na UHE de Porto Colômbia, a campanha de medição de flutuações de pressões instantâneas na bacia de dissipação do vertedouro.

Para as vazões vertidas de 500, 1.000, 2.000, 3.000 e 4.000 m³/s foram aquiridos dados instantâneos de pressão em 7 (sete) pontos da bacia de dissipação, distribuídos longitudinalmente ao longo do vão nº 01 do vertedouro (extremo direito) e distantes 7,20 m do muro lateral da bacia.

Esses dados foram aquiridos em conjunto pelas equipes e sistemas de aquisição do LAHE e da FCTH.

O presente relato apresenta um histórico dos problemas ocorridos na bacia de Porto Colômbia, as pesquisas desenvolvidas com o intuito de diagnosticar suas causas e propor uma solução; os fatores que motivaram a sua instrumentação; os objetivos destes estudos; a descrição dos serviços desenvolvidos no protótipo; critérios de escolha dos pontos de medição, especificação da instrumentação utilizada, projeto dos embutidos instalados na bacia, trabalhos de instalação subaquática dos transdutores, campanha de medição realizada e compilação dos dados obtidos; os trabalhos em andamento: análise dos dados do protótipo, estudos em desenvolvimento em modelos nas escalas 1:100, 1:40 e 1:20, estabelecimento da metodologia a ser adotada no processamento final de todos os dados, incluindo a comparação modelos X protótipo e o planejamento das próximas etapas de estudo.

1.1 HISTÓRICO

1.1.1 Identificação do Problema

A Usina Hidroelétrica de Porto Colômbia, que iniciou sua operação no ano de 1973, situa-se no Rio Grande, na divisa dos Estados de Minas Gerais e São Paulo.

Seu vertedouro possuía uma bacia de dissipação convencional tipo II do Bureau of Reclamation, cujos parâmetros de projeto haviam sido alterados em função dos estudos em modelo realizados naquela época.

Uma inspeção subaquática realizada em outubro de 1983 revelou o péssimo estado de conservação das estruturas componentes da bacia.

Observou-se que, ao longo dos, até então, 10 anos de operação da Usina, um par de erosões laterais e simétricas haviam surgido em cada um dos seus 36 "chute-blocks".

Na laje da bacia, imediatamente a jusante dos "chute-blocks", crateras de erosão que atingiam as dimensões médias de 2,00 m de comprimento por 1,65 m de largura e 0,70 m de profundidade, possuíam sinais evidentes de arrancamento das ferragens do concreto.

No restante da laje apenas duas irregularidades superficiais foram encontradas.

Em alguns blocos do "end-sill" também foi observada a existência de pequenas erosões.

Pesquisando-se o histórico das vazões vertidas na Usina, verificou-se que, ao longo de todo o seu período de operação, a descarga máxima ocorrida de 5.700 m³/s, registrada em fevereiro de 1983, não havia atingido 36% de sua capacidade plena de vazão (16.000 m³/s). Nessa ocasião mediu-se sobre a bacia a carga total de 20,80 m.

Desta forma, as erosões encontradas na bacia ocorreram para condições de operação bem inferiores àquela que seria sua solicitação máxima ($q = 98 \text{ m}^3/\text{s.m}$, para $l = 163,00 \text{ m}$).

1.1.2 Diagnóstico Preliminar

Todos os dados coletados sobre o vertedouro foram submetidos à apreciação de 3 consultores que forneceram a FURNAS seus pareceres técnicos acerca do assunto.

A análise desses documentos em conjunto com a de diversos registros de casos semelhantes ao de Colômbia, possibilitou o diagnóstico preliminar de que os danos ocorridos na bacia tiveram origem num processo típico de cavitação por vórtice.

Este processo estaria instalado apenas na região dos "chute-blocks" e na laje da bacia a jusante dos mesmos, já que no restante da laje e no "end-sill", a quantidade, forma, localização e intensidade das erosões sugeriam a ocorrência de um simples desgaste imposto, provavelmente, pela circulação e transporte, no interior da bacia, do material erodido proveniente da região de montante. Contudo, este diagnóstico foi reavaliado e modificado, conforme descrito no item 1.1.4.

1.1.3 Pesquisa em Modelo

Para comprovação deste diagnóstico e estudos de obras corretivas que eliminassem o problema, construiu-se no LAHE, na escala 1:50, um modelo bidimensional do vertedouro.

Deste modelo pretendia-se obter a indicação da existência de zonas de baixa pressão ou de padrões de escoamento que resultassem na ocorrência de cavitação no protótipo.

Sendo assim, iniciou-se a pesquisa, onde, em sucessivas campanhas de medição de pressões médias, procurou-se identificar, nos "chute-blocks" e na laje da bacia logo a

jusante dos mesmos, locais que evidenciassem a existência de bolsões de pressão negativa.

Após a instrumentação de 412 pontos de medição, conseguiu-se caracterizar, para diferentes situações de vazão ensaiadas, a ocorrência de pressões negativas em pontos distribuídos ao longo de todas as arestas e faces dos blocos, sendo essas últimas verificadas nas proximidades das arestas.

Na laje da bacia, além de se constatar a existência de fortes flutuações e gradientes de pressão foram verificados, em pontos afastados menos de 0,50 m dos blocos, pressões mínimas da ordem de 3,5 m.c.a. e, em outros, valores de pressão inferiores a 1,00 m.c.a., cujas flutuações registradas apresentaram-se superiores aos valores médios medidos.

Estes pontos foram então selecionados para medição e análise no campo de pressões instantâneas, campanha para a qual Fumas contou com o apoio, naquela época, de uma equipe de técnicos da FCTH.

Para as pressões instantâneas adquiridas foram realizadas análises estatística (valores máximo, médio e mínimo, amplitude máxima, variância e desvio padrão) e espectral (frequência e ordenada de pico do espectro). Como parâmetro adicional de análise, para as tomadas com valores mais baixos de pressão, foi utilizado o tempo de permanência dos valores instantâneos abaixo da pressão de vapor, obtidos pela extrapolação dos valores de modelo para o protótipo, segundo a escala Froudiana adotada no projeto do modelo.

Os resultados destas análises demonstraram claramente que os danos no vertedouro da UHE de Porto Colômbia, tiveram origem num processo cavitante intenso que gerava a formação de cavidades no interior da massa fluida pela ocorrência de descolamentos e formação de vórtices, confirmando o diagnóstico preliminar apresentado.

Em que pesem as limitações de análise deste tipo de fenômeno em modelos Froudianos, os resultados obtidos demonstraram claramente que estes modelos são uma ferramenta bastante útil para a indicação de tendências cavitantes.

1.1.4 Estudo de Obras Corretivas

Na cavitação por vórtice, a identificação dos locais em que ocorrem as depressões permite a comprovação da existência do fenômeno. Entretanto, como esses vórtices encontram-se relativamente afastados dos contornos sólidos das estruturas, nem sempre é possível, no modelo, detectar-se a localização exata dos bolsões de baixa pressão desenvolvidos em seu interior. Desta forma pode-se afirmar que, no caso específico de cavitação por vórtice, se no modelo forem obtidas pressões negativas, pode-se atestar a existência do risco de cavitação e que, o fato de não encontrá-las, não comprova a eliminação desse risco.

Sendo assim, julgou-se prudente que os estudos prosseguissem com o teste de alternativas que contemplassem a remoção dos "chute-blocks". As propostas de obras sugeridas pelos consultores, como o enchimento parcial ou total dos espaços entre os blocos, o adoçamento das arestas dos mesmos etc., foram afastadas em virtude do risco decorrente da não identificação no modelo de possíveis pressões ainda remanescentes ou surgidas com a adoção dessas alternativas, capazes de gerar cavitação.

Removendo-se os "chute-blocks", as prováveis perdas de rendimento da bacia seriam corrigidas através da pesquisa de novas formas de "end-sill".

Com o objetivo de se obter parâmetros comparativos de análise quando da escolha da obra corretiva a ser adotada, realizou-se no modelo uma campanha de caracterização do desempenho da bacia de dissipação conforme o "lay-out" original de projeto.

Nesta campanha levantou-se a curva de rendimento da bacia, registraram-se as erosões ocorridas a jusante da mesma, documentou-se o escoamento em seu interior, avaliou-se o posicionamento do ressalto hidráulico, as condições de restituição à calha do rio, o fluxo junto ao fundo da bacia e entre os blocos do "end-sill" etc.

De todos os dados e observações extraídos desta campanha, que visou, prioritariamente, a obtenção de informações que subsidiassem a fase de pesquisa da solução, destaca-se aquela que influenciou decisivamente a concepção da forma de "end-sill" a ser estudada, a saber:

- Em frente aos blocos do "end-sill" observou-se a formação de um vórtice tipo ferradura que se desenvolvia no plano horizontal, bem próximo à face frontal dos mesmos;
- Devido à ação contínua do fluxo, estes vórtices, de formação instável, que surgiam em posição afastada da estrutura, iam se aproximando da mesma até o ponto em que se desestabilizavam e tornavam a se formar na posição inicial.

Em virtude desta observação, surgiu a hipótese de que, também nesta região, as pequenas erosões encontradas na inspeção subaquática de outubro de 1983, pudessem ser o resultado do início de um processo de cavitação por vórtice.

Tal suspeita fez com que, durante a etapa de pesquisa da solução, fossem estudadas, preferencialmente, em modelo, formas contínuas de "end-sill".

A realização de uma 2ª inspeção subaquática na bacia, ocorrida em outubro de 1990, mostrou, através da forma de evolução do processo erosivo verificado nos blocos do "end-sill", que as suspeitas levantadas quanto à origem destes danos estavam comprovadas. Dispensou-se desta forma qualquer trabalho

de pesquisa em busca da confirmação do diagnóstico de cavitação no "end-sill".

Sendo assim, dentre todas as formas de "end-sill" estudadas em modelo, optou-se por aquela que, embora não proporcionasse à bacia o melhor desempenho hidráulico, conjugava a garantia de eliminação completa dos riscos de cavitação com a certeza do não comprometimento das condições gerais de escoamento na bacia.

Estudos comparativos entre a alternativa de obra proposta e o "lay-out" original da bacia foram, posteriormente, desenvolvidos num modelo de conjunto, construído na escala 1:100, onde efetuou-se também um levantamento detalhado da capacidade de vazão do vertedouro, caracterizou-se o escoamento de restituição a jusante (vazões vertidas + turbinadas), fez-se o estudo de lançamento da ensecadeira projetada para a execução das obras de reparo/modificação da bacia e um ensaio qualitativo do desmonte hidráulico dessa ensecadeira através do vertimento de descargas crescentes.

2. OBJETIVOS DOS ESTUDOS

O estudo sistemático das flutuações de pressão em bacias de dissipação tem sido conduzido por diversos investigadores, entretanto, a obtenção desses dados, em sua grande maioria, é efetuada em modelos reduzidos e, dificilmente, comprovados com medições no protótipo.

Com o ensecamento da bacia de dissipação do vertedouro da UHE de Porto Colômbia, para realização das obras de recuperação a que a mesma foi submetida, surgiu, para a Subcomissão "Desenvolvimento de Pesquisa", a oportunidade de instrumentação dessa bacia visando, não só uma análise comparativa entre dados obtidos no protótipo e em modelos, como também a determinação da real eficiência hidráulica da bacia após as modificações introduzidas em

sua geometria, dos esforços hidrodinâmicos a que a mesma estará submetida em diversas situações de operação e do início da formação de um banco de dados que, certamente, em muito contribuirá para o projeto de novas bacias.

Tendo em vista a importância desses dados que, se não inéditos, são pelo menos raros dentro da literatura nacional e internacional, no que se refere à medição em protótipos, pôde-se contar com o apoio de FURNAS que teve especial interesse na realização desse trabalho conjunto, cujos resultados deverão ser disponibilizados, futuramente, no meio técnico da hidráulica experimental.

3. ATRIBUIÇÕES DOS LABORATÓRIOS

Para a realização desses trabalhos foram acordadas as seguintes atribuições, por Laboratório:

- **LAHE:** disponibilização da Usina, execução das obras necessárias à instrumentação da bacia, compra da instrumentação, fornecimento de infraestrutura básica à realização dos testes de protótipo, planejamento da campanha de ensaios e aquisição dos dados no protótipo e em modelo de conjunto construído em escala 1:100, utilizando sistema próprio de aquisição.
- **LAHE/FCTH/CEHPAR:** definição dos pontos de medição, especificação da instrumentação, projeto / fabricação de dispositivos especiais de medição, coleta dos dados de protótipo através de sistema próprio de aquisição, construção e exploração de um modelo bidimensional na escala 1:20 (LAHE / FCTH) e 1:40 (CEHPAR) e análise de todos os dados coletados (protótipo e modelos).

4. PARTICIPAÇÃO DA CESP E DA COPPE

A equipe de Furnas contou com o apoio do Laboratório de Instrumentação Oceanográfica da COPPE, que presta serviço ao LAHE, e que participou dos trabalhos desde a preparação da instrumentação utilizada nos ensaios até o processo de medição propriamente dito, incluindo as fases de testes preliminares, calibração dos transdutores e aquisição dos sinais instantâneos de pressão.

A CESP, também representada na Comissão de Hidráulica, prestou fundamental contribuição para o desenvolvimento dos estudos, através da cessão de sua equipe de mergulhadores, com larga experiência em inspeções subaquáticas em estruturas hidráulicas, e de seus equipamentos de monitoração, comunicação e filmagem que permitiram, da superfície, o acompanhamento e orientação dos trabalhos de instalação dos transdutores.

5. DESENVOLVIMENTO DOS TRABALHOS REALIZADOS NO PROTÓTIPO

5.1 ESCOLHA DOS PONTOS DE MEDIÇÃO

Para nortear a escolha da localização dos pontos de medição de pressão a serem instalados no protótipo, o LAHE realizou, no modelo de conjunto, escala 1:100, uma campanha de medição de pressões médias em pontos situados na bacia, ao longo dos eixos longitudinais dos vãos n° 01 (extremo direito), n° 05 (central) e n° 09 (extremo esquerdo) do vertedouro.

A análise dos resultados obtidos nesta campanha mostrou não haver, em termos de pressões médias, variações significativas entre as medições efetuadas na margem esquerda, direita ou no eixo da bacia de dissipação.

Obteve-se, além disso, a ordem de grandeza das pressões médias a que os transdutores de pressão seriam submetidos no protótipo, informação importante para a especificação dos mesmos.

Decidiu-se por instrumentar no protótipo os pontos D1, D3, D5 e D7 mostrados na Figura 1. Avaliou-se que a distância do centro do vão nº 1 (extremo direito) ao muro lateral da bacia (7,50 m) seria suficiente para eliminar das medições possíveis efeitos de parede. A escolha de um vão extremo favoreceu ainda os aspectos referentes à infra-estrutura necessária para realização das medições, a saber: condições de acesso, facilidades para instalação de uma cabine de medições, proximidade às instalações da Usina e disponibilidade de pontos de água, luz, força e telefone. Essa escolha influiu também no comprimento dos cabos dos transdutores, distâncias das tomadas piezométricas aos locais de medição e volume de obras e material para instalação dos embutidos.

Por solicitação da FCTH instalaram-se mais três pontos de medição, denominados de DA, DC e DB, localizados, respectivamente, nos pontos extremos de tangência e no centro da curva de concordância existente entre o perfil vertente e a laje horizontal da bacia de dissipação também apresentados na Figura 1.

A Foto 1 mostra, com a bacia ensecada, os vãos 1 e 2 do vertedouro, o muro lateral direito da bacia de dissipação e o início dos serviços da instalação dos pontos de medição escolhidos.

5.2 PROJETO DOS EMBUTIDOS

De forma a facilitar a instalação, possíveis trocas e calibrações, pensou-se, inicialmente, em posicionar os transdutores fora da bacia. O contato dos mesmos com os locais de medição seria feito através de tubos de interligação de metal, com paredes espessas,

embutidos no concreto da bacia. Entretanto, as condições locais (espessura dos muros laterais e encontros externos com aterro e enrocamento de proteção) não permitiam esse tipo de instalação (ver Foto 1).

A possibilidade de instalação dos transdutores no próprio local de medição, se por um lado apresentava a vantagem de eliminar possíveis efeitos de amortecimento ou amplificação do sinal, introduzidos pelas tubulações de interligação, por outro apresentava o risco de, mesmo com a instalação de dispositivos especiais de proteção, expor os transdutores a situações adversas que poderiam lhes causar danos irreparáveis. Os trabalhos de término da obra, desmobilização de equipamentos, remoção da ensecadeira de jusante e vertimento para limpeza da bacia poderiam obstruir as tomadas de pressão ou, até mesmo, romper a membrana dos transdutores, inutilizando-os.

Para se evitar os inconvenientes acima citados e ainda propiciar a recuperação e possível reutilização dos transdutores em outras medições, adotaram-se os seguintes critérios de projeto:

- Durante a obra de modificação e reparos na bacia, seriam embutidas, na mesma, tubulações e dispositivos de espera para futura instalação dos transdutores;
- A instalação dos transdutores só ocorreria por ocasião da realização da campanha de medição;
- Após o término da campanha os transdutores seriam removidos;
- Ao lado de cada ponto de medição de pressão instantânea seria instalada uma tomada piezométrica que serviria de testemunho para as medições.

Com base nos parâmetros acima definidos, foi desenvolvido um projeto cujo "as built" é apresentado nas Figuras 1, 2 e 3.

Cabe alertar que, devido à alta concentração de armadura existente no perfil do vertedouro, na região dos pontos DA, DB e DC, de forma a viabilizar suas instalações, os mesmos foram ligeiramente deslocados, em relação a suas posições inicialmente propostas e descritas no item 5.1.

Em cada ponto de medição foi instalada uma caixa cilíndrica de ferro galvanizado com 20 cm de diâmetro e 40 cm de profundidade. O tamponamento das caixas foi feito através de um flange cego, faceado com o piso da bacia e fixado a um anel interno das mesmas através de parafusos.

Na parede lateral, próximo ao fundo das caixas, foi conectada com massa epóxi (sikadur 32) uma mangueira plástica nervurada especial, de alta pressão e resistência, com diâmetro interno de 2", utilizada como conduíte, para passagem das mangueiras com os cabos elétricos dos transdutores, ligando a caixa até o topo do muro lateral direito da bacia. No interior das mangueiras foram deixadas guias, para passagem dos cabos dos transdutores, em cabo de aço de $\Phi = 5$ mm.

Ao lado de cada um dos pontos de medição de pressão instantânea foi instalada, também faceada na bacia, uma tomada piezométrica, confeccionada em tubo de PVC rígido de $\Phi = 3/4"$.

Para a instalação dos pontos D3, D5 e D7, foram abertas, no piso da bacia, três canaletas de aproximadamente 15 cm de largura por 40 cm de profundidade, em local próximo ao muro lateral direito e à caixa metálica, e 15 cm no restante do trajeto. O ponto de união das três canaletas, junto ao muro lateral direito, ocorre na estaca 0 +359,922 m, onde foi aberta uma ranhura de 30 cm de largura por 15 cm de profundidade para a passagem dos 3 conduítes e das três tubulações das tomadas piezométricas.

Critério idêntico foi adotado para a

instalação dos pontos DA, DB, DC e D1, sendo que, dada a localização dos mesmos, aproveitou-se, para a subida dos tubos junto ao muro, a ranhura do "stop-log" das adufas de desvio já existente.

5.3 INSTRUMENTAÇÃO UTILIZADA

5.3.1 Transdutores

Para a realização das medições, foram especificados transdutores cuja faixa de trabalho englobasse o intervalo de valores de pressão de possível ocorrência. Como precaução quanto ao surgimento de pressões negativas, os transdutores foram ajustados pelo fabricante, para operarem na faixa de - 0,5 a 5 bar (- 5,1 a 51 m.c.a.). Esta faixa corresponde a uma variação de 4 a 20 mA que, convertida, fornece um sinal de tensão de 1 a 5 Volts. Este sinal de tensão foi monitorado e aqusitado pelos sistemas de aquisição de dados (do LAHE e da FCTH). A Foto 2 mostra o transdutor Hytronic utilizado.

5.3.1.1 Adaptações Efetuadas

Os transdutores foram rosqueados em flanges metálicos, juntamente com cápsulas metálicas cilíndricas. Na Foto 3 encontra-se uma vista do conjunto flange / transdutor / cápsula. Tais flanges têm as mesmas dimensões dos flanges cegos, usados para tamponar as caixas metálicas embutidas no piso da bacia. Os fios do transdutor (sinal de corrente) foram emendados isoladamente e vedados, e o cabo de extensão foi introduzido em uma mangueira ("poly-flo") de $\Phi = 3/8"$. Nas extremidades foram usadas conexões anilhadas, para fixação das mangueiras e vedação das cápsulas e cabos elétricos. Junto às conexões das cápsulas, foram soldados pinos que reforçaram a fixação das mangueiras, através de abraçadeiras plásticas, como pode ser observado na Foto 3. Na outra extremidade da mangueira foi providenciado um bujão com uma presilha, para enlaçar o cabo-de-aço guia, colocado no interior da

mangueira nervurada usada como conduíte. Com o auxílio destes cabos, as mangueiras foram puxadas até a superfície.

Originalmente os transdutores eram de pressão relativa, mas esta opção mostrou-se inadequada, tendo em vista a possibilidade de penetração de água no interior das cápsulas, a despeito de todas as precauções tomadas para que tal não ocorresse. Caso houvesse entrada de água nas cápsulas e, conseqüentemente, no interior dos invólucros dos transdutores, os componentes eletrônicos e os elementos sensores dos transdutores sofreriam danos irreparáveis, impossibilitando qualquer tipo de medida. Desta forma, em função das responsabilidades e riscos envolvidos e, conforme sugestão do fabricante, os transdutores foram ajustados e lacrados, sendo que no interior dos invólucros e atuando na membrana sensora interna, havia uma pressão de 914 mbar, referente à pressão atmosférica na data em que os transdutores foram lacrados.

Sendo assim, quando sem carga, porém submetido a uma pressão atmosférica diferente de 914 mbar, os mesmos indicavam uma saída em corrente correspondente a uma carga fictícia igual à diferença entre P_{atm} e 914 mbar.

Logo, uma vez conhecida a pressão atmosférica local, ajustava-se a curva do fabricante a nova situação.

Ao longo de todos os ensaios foi efetuada a medição da pressão atmosférica local.

5.3.1.2 Especificação Técnica

Como elementos transdutores de pressão, foram utilizados 7 (sete) unidades, de um total de 9 (nove), com as seguintes características:

- Fabricante: Hytronic
- Modelo: H-25
- Tipo de sensor: Piezoresistivo
- Faixa de operação: - 0,5 a 5 bar
- Repetibilidade+Histerese+Linearidade: $\pm 0,25\%$ FE (erro máximo)
- Saída: 2 fios: 4 a 20 mA
- Tempo de resposta: 2 ms
- Alimentação: 15 a 30 Vcc

Externamente, as cápsulas foram identificadas, segundo o código do fabricante, como segue: IK-112, IK-121, IK-116, JG-19, IK-127, IK-122, IK-133, JF-105 e JF-103 (ver Foto 4). Destes nove, os transdutores JF-103 e JF-105 não foram instalados.

5.3.2 Conversores e Fontes

As fontes, ligadas à rede elétrica (120 / 220 Vca), fornecem 24 Vcc para alimentação dos transdutores que, quando em carga, geram um sinal de corrente variável de 4 a 20 mA. Tal variação se dá em função da solicitação mecânica a que estiverem submetidos. Os conversores, ao receberem o sinal de corrente proveniente dos transdutores, fornecem um sinal de tensão compreendido entre 1 e 5 Vcc, proporcional ao valor de corrente. Estes sinais de tensão são então injetados na placa de aquisição de dados, através de cabos blindados com conectores tipo BNC.

5.3.2.1 Especificação Técnica

5.3.2.1.1 Fontes de Alimentação

- Fabricante: DME Instrumentos
- Entrada: 120/220 Vca
- Saída: 24 Vcc, regulados
- Corrente máxima de saída: 0,5 A

5.3.2.1.2 Conversores

- Fabricante: Hytronic
- Entrada: 0 a 20 mA
- Saída: 0 a 5 Vcc

5.3.2.2 Adaptações Efetuadas

Objetivando facilitar as diversas conexões elétricas existentes entre transdutores, conversores, fontes e placa de aquisição de dados, foram montados 2 módulos, compreendendo 4 fontes de alimentação para os transdutores e 4 conversores corrente / tensão, além dos terminais de entrada dos sinais de corrente, provenientes dos transdutores e conectores de saída do sinal de tensão para a placa de aquisição, como pode ser visto na Foto 5. Com este procedimento reduziu-se muito a probabilidade de erros nas conexões / ligações entre os vários componentes do sistema (transdutor, conversor + fonte e placa de aquisição), o que poderia acarretar danos irremediáveis aos transdutores e placa de aquisição. Foram também tomados os devidos cuidados quanto à blindagem e aterramento necessários, para se evitar qualquer tipo de interferência nos sinais a serem aquisitados (ruído).

5.3.3 Placas de Aquisição de Dados

As placas de aquisição possuem as seguintes características:

5.3.3.1 FURNAS

- Fabricante: Lynx
- Modelo: CAD 12/36
- Características:
 - Conversor A / D de 12 bits de resolução
 - Precisão: $\pm 1/2$ BmS (bit menos significativo)
 - Erro de linearidade: $\pm 1/4$ BmS
 - 16 entradas analógicas simples ou 8 diferenciais programáveis (até $\pm 15V$)

5.3.3.2 FCTH

- Fabricante: ANAMED
- Modelo: AM 13PC
- Características:
 - Conversor A / D de 12 bits de resolução
 - Tempo de resposta: 15,5 ms
 - Desvio máximo da linha reta ideal: 0,024%
 - Separação entre canais: 95 dB
 - Impedância de entrada: 10 MW
 - Proteção contra sobretensão: ligado $\pm 22 V$ e desligado $\pm 10 V$
 - Consumo: 5 Vcc/33 mA; + 12 Vcc / 50 mA; - 12 Vcc/66 mA
 - 16 entradas multiplexadas programáveis (até $\pm 5 V$)

5.3.4 Microcomputadores e Softwares de Aquisição e Análise

Os sinais para aquisição conjunta (FURNAS e FCTH) foram extraídos das saídas dos módulos, com o auxílio de "T's" do tipo BNC. Na Foto 6 podem ser vistos os sistemas de aquisição já montados no interior da cabine de medição.

5.3.4.1 FURNAS

O microcomputador utilizado foi um IBM PS/ValuePoint 486 DX2-66, com 16 Mb de memória RAM e disco rígido com 340 Mb de capacidade.

Como software de aquisição de dados foi utilizado o AqDados da Lynx, na versão 4.09 e para as diversas análises dos dados aquisitados o SisDin, também da Lynx, na versão 2.17.

5.3.4.2 FCTH

O microcomputador utilizado foi um PC XT, 8088 de 4,77 MHz com 640 Kb de memória RAM e disco rígido de 20 Mb de capacidade.

Como software de aquisição foi utilizado AQUÍ3 da própria FCTH.

5.3.5 Instrumentação de Apoio

Como instrumentação de apoio foram utilizados:

- Multímetro digital Fluke de 5 1/2 dígitos modelo 45 (COPPE)
- Multímetro digital Minipa 4 1/2 dígitos modelo ET2700 (FURNAS)
- Osciloscópio Tektronix duplo traço, 50 MHz modelo 2205 (COPPE)
- Analisador de Espectro HP modelo 3582A (FCTH)
- Filtro ativo programável (FCTH)
- Barômetro Bruel & Kjaer, faixa de trabalho de 790 a 1040 mbar e sensibilidade de 5 mbar (FURNAS)
- Bomba Manual F. Maskina P. Tube RP-60 ($p = 120 \text{ kg/cm}^2$; $Q = 7,5 \text{ l/min.}$)
- Medidores de nível ("PIO" - fabricação FURNAS)

O multímetro Minipa foi utilizado para as verificações comuns de tensões e continuidade e o Fluke para leituras suplementares dos sinais de tensão a serem aquisitados. O osciloscópio prestou-se à análise da amplitude dos ruídos presentes nos sinais a serem aquisitados. Com o analisador de espectro observou-se em quais frequências ocorriam picos de maior energia, definindo-se assim a frequência ideal de amostragem. O filtro mostrou-se útil quando ficou constatado que, apesar dos cuidados tomados, havia a presença de ruído, na faixa de 60 Hz, nos 2 últimos canais aquisitados (pontos D5 e D7). Assim, o filtro foi ajustado de forma a suprimir esta faixa, já que as frequências de interesse situavam-se em torno de 1 Hz, segundo análise prévia, feita com o analisador de espectros. Logo, os transdutores IK-122 (D5) e IK-133 (D7) foram aquisitados respectivamente nos canais 5 e 6 (sem filtragem) e

nos canais 8 e 9 (com filtragem) simultaneamente.

5.4 INSTALAÇÃO DOS TRANSDUTORES E SISTEMAS DE APOIO E PROCEDIMENTOS DE CALIBRAÇÃO

Após instalação, montagem e verificação de todo o sistema de apoio (microcomputador, fontes, conversores, multímetro etc.) os transdutores foram conectados aos módulos e foi realizado o 1º ensaio de calibração (CAL01). Para tanto, estando os transdutores sobre a superfície d'água, foram feitas oito marcações metro a metro nas mangueiras poly-flo. Tais marcações constituíram-se na referência de profundidade a que os transdutores seriam submetidos. A cada m, foi realizada uma aquisição de 10 s, tanto na imersão quanto na emersão.

Realizado o 1º ensaio de calibração dos transdutores, partiu-se então para a sua instalação nos pontos determinados. Esta função ficou a cargo da CESP, que possui larga experiência em atividades subaquáticas (ver Fotos 7, 8 e 9). Toda a operação de instalação dos transdutores foi monitorada da superfície, através de filmagem subaquática.

Inicialmente foi feita uma avaliação da quantidade de sedimentos depositados no fundo da bacia e da eventual necessidade de um vertimento de limpeza. Embora a quantidade de resíduos no interior das caixas metálicas fosse pequena, em alguns casos foi necessário usar-se uma bomba manual, para desobstruir a passagem da mangueira do transdutor. Concomitantemente foram retirados os plugs dos piezômetros e aplicada a mesma bomba para desobstruí-los. Na oportunidade foram localizados os pontos de instalação dos transdutores, verificando-se que os flanges cegos e parafusos que os fixavam estavam em bom estado de conservação. Em seguida tais flanges foram retirados e os

transdutores instalados, um a um. As presilhas dos bujões foram presas aos cabos-guia das mangueiras nervuradas correspondentes e na oportunidade, o mergulhador que executou a operação reforçou tal enlace com uma amarração de cordão. Todas as mangueiras com os cabos de extensão dos transdutores passaram livres através das mangueiras nervuradas.

Com as mangueiras já na superfície, foram retirados os bujões de vedação e emendados os cabos, para que chegassem até à cabine de medição. Tais emendas foram idênticas às que foram feitas entre os transdutores e os cabos de extensão.

Terminadas as extensões, ligaram-se os transdutores aos módulos. Como explicado no item 5.3.4, utilizaram-se "T's" do tipo BNC para compartilhar o sinal a ser aquisitado, entre FURNAS e FCTH. Cabos apropriados fizeram as conexões entre as saídas dos módulos e as placas de aquisição do 2 sistemas (ver Foto 10).

A relação entre os pontos da bacia, os canais de aquisição de FURNAS, os transdutores e conversores a eles associados obedeceu ao seguinte critério:

Ponto	Nº do Canal	Transdutor	Resistência do Conversor Associado (Ω)	Observações
DA	0	IK-112	246,5	----
DB	1	IK-121	248,8	----
DC	2	IK-116	246,3	----
D1	3	JG-19	248,7	----
D3	4	IK-127	241,8	----
D5	5	IK-122	246,7	----
D7	6	IK-133	247,8	----
ATMOSF.	7	JF-105	248,8	Transdutor JF-105 aquisitando variações de pressão atmosférica
D5	8	IK-122F	246,7	Transdutor IK-122 aquisitando dados filtrados do ponto D5
D7	9	IK-133F	247,8	Transdutor IK-133 aquisitando dados filtrados no ponto D7

Como descrito anteriormente no item 5.3.5, os transdutores IK-122 e IK-133 foram aquisitados simultaneamente em 2 canais, devido à constatação da presença de ruído nas medições feitas através dos canais 5 e 6.

5.5 CAMPANHA DE MEDIÇÕES

5.5.1 Determinação da Curva de Calibração dos Transdutores

Durante a campanha de medição de pressões instantâneas, foram realizados 7

ensaios de calibração, distribuídos da seguinte forma:

- CAL01 - ensaio inicial com todos os transdutores;
- CAL02 - ensaio com os transdutores: IK-122, IK-127, IK-133, JF-105, JF-103 e JG-19 (os transdutores IK-112, IK-121 e IK-116 já estavam instalados na bacia de dissipação);
- CAL03 - ensaio com o transdutor JF-105;
- CAL04, 05, - ensaio final com todos 06 e 07 os transdutores, exceto JF-103 e JF-105;

Todos os dados foram aquisitados em Volts e foi necessário, através das curvas de calibração dos transdutores, transformá-los para m.c.a. A organização e o tratamento das informações dos arquivos de calibração são expostos nos itens a seguir.

5.5.1.1 Procedimentos de Ensaios, Análises e Correções

Nos dias em que foram realizadas as calibrações, os níveis d'água médios, medidos no interior da bacia de dissipação, indicaram uma lâmina d'água de aproximadamente 8,3 m sobre a mesma, o que se mostrou suficientemente apropriado para os ensaios em questão. Assim, todos os transdutores foram imersos até à profundidade de 8 m, de metro em metro, e depois emersos até à superfície, de igual forma.

Foi adotado o período de 10 s e a frequência de amostragem de 100 Hz para cada aquisição para todas as profundidades. Apesar de não haver necessidade de se aquisitar níveis estáticos com uma frequência tão alta, esse valor foi escolhido para padronização dos ensaios, uma vez que existia suficiente espaço em disco.

A primeira aquisição era sempre feita com o sensor na atmosfera, depois a uma

profundidade de 5 cm e, posteriormente, para cada metro imerso ou emerso.

O software AqDados possui o recurso de interromper uma aquisição, quantas vezes forem necessárias e pelo tempo que se desejar, podendo-se dar posterior continuidade à aquisição até o final do período estipulado para o arquivo. Com isso foi possível, em um mesmo arquivo, registrar os valores de tensão correspondentes às diversas profundidades às quais foram submetidos os transdutores. Assim, a cada 10 s, a aquisição era interrompida, para que os operadores imergissem ou emergissem os transdutores mais 1 m. Uma vez confirmada a profundidade, através de marcações previamente feitas nas mangueiras, a aquisição prosseguia por mais 10 s.

Uma outra possibilidade do AqDados refere-se à análise estatística dos sinais dentro de um intervalo de tempo determinado pelo usuário. Após anotação dos intervalos relativos às profundidades, fez-se a análise estatística dos sinais obtendo-se a média em tensão (Volts).

Para os vários ensaios de calibração realizados foi verificada a pressão atmosférica local, como se segue:

- CAL01 - 973 mbar
- CAL02 - 972 mbar
- CAL04 até 07 - 973 mbar

Como a dispersão máxima entre os valores de pressão foi de 1 mbar e a precisão do barômetro utilizado era de 5 mbar, a pressão atmosférica de 973 mbar, por ser a mais freqüente, foi adotada para todos os ensaios de calibração.

A curva do fabricante foi então ajustada para a nova pressão atmosférica de 973 mbar e os dados relativos de cada transdutor agrupados individualmente.

Na determinação das curvas de calibração não foram consideradas as leituras efetuadas com o sistema de aquisição referentes à atmosfera e a profundidades inferiores a 0,1275 m, que corresponde ao valor de erro máximo do transdutor (0,25% do fundo de escala).

Em função dos diversos ensaios de calibração, obtiveram-se várias equações para cada transdutor. Na determinação daquela que seria utilizada, foi adotado um critério de comparação dos resultados em m.c.a., dentro da faixa de valores de pressão esperados para as medições em questão. Este intervalo

situa-se entre -5 e 20 m.c.a., o que equivale, em tensão, a uma variação de aproximadamente 1 a 3 Volts.

Para os transdutores IK-122 e IK-133 foram adotados os dados dos canais filtrados, denominadas IK-122F e IK-133F.

A tabela abaixo mostra, por transdutor, todas as calibrações cujas curvas obtidas forneceram entre si, no intervalo de pressões esperado ($\approx -5,0$ m e $\approx 20,0$ m), diferenças $\Delta < 0,255$ m ($0,1275 \times 2$):

Transdutor	Calibrações
IK-112	CAL04 com CAL05
IK-121	CAL04 com CAL05
IK-116	CAL04 com CAL05
JG-19	CAL04 com CAL05
IK-127	CAL02 com CAL07 e CAL06 com CAL07
IK-122	CAL02 com CAL06 e CAL07 e CAL06 com CAL07
IK-133	CAL06 com CAL07
IK-122F	CAL02 com CAL06 e CAL07 e CAL06 com CAL07
IK-133F	CAL06 com CAL07

Pelos resultados obtidos, concluiu-se que para os transdutores IK-112, IK-121, IK-116 e JG-19 deveria ser adotada a equação média das calibrações CAL04 e CAL05 e para os transdutores IK-127, IK-122 e IK-133, a equação média das calibrações CAL06 e CAL07, por terem sido as únicas que, entre si, apresentaram, nos extremos do intervalo de análise, diferenças inferiores a 0,255 m.

Antes e depois de cada vertimento foram realizadas leituras de pressões estáticas com o "pio" que foram consistidas comparando-se a diferença existente entre as

cotas topográficas (ΔH) de dois pontos consecutivos e as respectivas diferenças entre os valores de pressão medidos em cada um desses pontos (ΔP).

As leituras obtidas com o "pio", após consistidas, constituíram-se em referências para comparação com os valores aqisitados no decorrer dos testes estáticos efetuados, também antes e depois de cada vertimento, com o sistema de aquisição.

A análise desses dados baseou-se no cálculo das diferenças $\Delta a = P1a - P2a$

(pressão medida com o "pio" - pressão medida com o sistema de aquisição, depois dos vertimentos) e na verificação das calibrações que, nestes testes forneceram, em relação ao

"pio", diferenças médias $\left(\frac{\Delta a + \Delta b}{2} \right)$ inferiores a 0,1275 m (precisão do transdutor). O resultado dessa verificação está apresentado na tabela abaixo:

Transdutor	Vazão Vertida (m³/s)			
	500/3.000	500	1.000/2.000	3.000/4.000
IK-112	Nenhuma	CAL04 e CAL05	CAL04 e CAL05	CAL04 e CAL05
IK-121	Nenhuma	CAL04	CAL04 e CAL05	CAL04 e CAL05
IK-116	CAL04 e CAL05	CAL04 e CAL05	CAL04 e CAL05	CAL04 e CAL05
JG-19	---	CAL01C, CAL04 e CAL05	CAL04 e CAL05	Nenhuma
IK-127	---	CAL06 e CAL07	CAL02C, CAL06 e CAL07	CAL02C, CAL06 e CAL07
IK-122F	---	CAL02 E CAL07	CAL02, CAL06 e CAL07	CAL02 E CAL06
IK-133F	---	CAL06 e CAL07	HYTRONIC, CAL06 e CAL07	HYTRONIC, CAL06 e CAL07

Os resultados obtidos com esse critério de análise vieram a ratificar a conclusão obtida anteriormente, ou seja, que deveriam ser adotadas para os transdutores IK-112, IK-121, IK-116 e JG-19 as médias das equações de calibração CAL04 e CAL05 correspondentes a cada dia de ensaio (convertidas para as pressões atmosféricas registradas

nos dias dos ensaios), e as médias das equações de calibração CAL06 e CAL07 para os transdutores IK-127, IK-122 e IK-133.

Abaixo são apresentadas, para cada um dos ensaios realizados, as equações médias, por transdutor, utilizadas na conversão Volt / m.c.a:

Transdutor	Vazões durante os Ensaios de Aquisição (m³/s)		
	500 / 3.000	500	1.000 / 2.000 / 3.000 / 4.000
1 D _A IK-112	P = 14,652 × T - 19,907	P = 14,652 × T - 19,882	P = 14,652 × T - 19,892
2 D _B IK-121	P = 14,348 × T - 19,753	P = 14,348 × T - 19,728	P = 14,348 × T - 19,738
3 D _C IK-116	P = 14,556 × T - 19,510	P = 14,556 × T - 19,485	P = 14,556 × T - 19,495
4 D _I JG-19	P = 14,546 × T - 20,229	P = 14,546 × T - 20,204	P = 14,546 × T - 20,214
5 D ₃ IK-127	P = 14,761 × T - 19,603	P = 14,761 × T - 19,578	P = 14,761 × T - 19,588
6 D ₅ IK-122F	P = 14,451 × T - 19,177	P = 14,451 × T - 19,152	P = 14,451 × T - 19,162
7 D ₇ IK133-F	P = 14,399 × T - 20,074	P = 14,399 × T - 20,049	P = 14,399 × T - 20,059

5.5.2 Vertimento de Limpeza

Para avaliação das condições de trabalho, realizou-se no dia 17/05 uma inspeção subaquática da bacia. Tal inspeção teve como principal objetivo, além da verificação das condições de depósito de sedimentos na bacia como um todo, a identificação (reconhecimento) dos locais de instalação dos transdutores e dos piezômetros.

Apesar da pequena espessura da camada de sedimento encontrada no fundo da bacia, essa inspeção indicou a necessidade de se promover um vertimento de limpeza da mesma, pois, se a camada de sedimento não chegava a impedir a realização dos serviços de instalação, prejudicava, entretanto, enormemente, a visibilidade dentro d'água, dificultando o trabalho de monitoração e orientação que se fazia da superfície, através do som e das imagens recebidas da filmagem subaquática realizada, pois, a água se tornava extremamente turva com os movimentos realizados pelos mergulhadores.

Solicitou-se então, à Operação da Usina, para o dia 19/05, o vertimento das vazões de 500 e 3.000 m³/s, ambas por um período de aproximadamente 1 (uma) hora.

Como os pontos DA, DB e DC situavam-se acima da cota do piso da bacia, não sendo portanto muito afetados pelo depósito de sedimentos, resolveu-se pela instalação dos mesmos no dia 18/05, logo, na véspera do vertimento de limpeza.

Foi acordado então, pela equipe responsável pela realização dos ensaios, que durante o vertimento de limpeza seria realizado um treinamento de toda a equipe de medição.

Simulou-se, assim, um ensaio completo:

- A equipe de operação da Usina anotou com intervalos de 10 em 10 minutos todas as condições de contorno dos ensaios.
- Antes e após o período total de vertimento, foram obtidos os valores das pressões estáticas nos piezômetros e aquisitados os mesmos valores através dos transdutores, para efeito de verificação da calibração dos mesmos.
- Durante o vertimento de cada uma das vazões ensaiadas, foram medidos de 5 em 5 minutos os níveis d'água nos dois postos linimétricos instalados na ilha a jusante. Esses dados eram anotados e transmitidos, via rádio, para a equipe responsável pelas medições, que ia analisando a tendência à estabilização da vazão em trânsito.
- Uma vez estabilizado o nível d'água de jusante, para a vazão vertida de 500 m³/s, os valores de pressões instantâneas foram aquisitados e, concomitantemente, mediram-se os valores das pressões médias em cada um dos pontos monitorados (DA, DB e DC).
- Passou-se, então, para a vazão de 3.000 m³/s, repetindo-se o mesmo procedimento.

5.5.3 Ensaios Realizados

Após o vertimento de limpeza, foram concluídos os trabalhos de instalação dos demais transdutores.

Na tarde do dia 20/05 foi realizado o primeiro ensaio completo para a vazão de 500 m³/s.

As vazões de 1.000 e 2.000 m³/s foram ensaiadas no dia 21/05, e as vazões de 3.000 e 4.000 m³/s, no dia 22/05.

Devido às condições operacionais da Usina não foi possível a realização do ensaio com a vazão vertida de 6.000 m³/s, conforme previsto na programação original.

As Fotos de 11 a 16 ilustram as condições de escoamento no interior da bacia, documentadas no decorrer de cada um dos ensaios acima citados.

6. TRABALHOS EM ANDAMENTO

6.1 ANÁLISE DOS DADOS DO PROTÓTIPO

A FCTH está desenvolvendo a análise dos dados do protótipo adquiridos com o sistema AQUi3. Estão sendo realizadas as análises estatísticas e espectrais iniciais, para as aquisições realizadas com escoamento estabilizado. Alguns resultados preliminares desta análise estão apresentados na sequência e mostram uma boa consistência, com valores médios máximos e mínimos na faixa esperada e com boa repetibilidade.

Os resultados apresentados nas Figuras de 4 a 13 se referem aos ensaios em protótipo com vazões no vertedouro entre 500 e 4.000 m³/s, onde foram medidas as flutuações de pressão com os 7 (sete) transdutores instalados no vertedouro e na bacia de dissipação, conforme descrito na Figura 1 e a partir da utilização do sistema de aquisição de dados da FCTH.

Os resultados da análise espectral estão apresentados nas Figuras de 4 a 10, que evidenciam que o ressalto é um fenômeno hidráulico turbulento de baixa frequência. A Figura 4 mostra que o transdutor DA (canal 1), instalado no vertedor, não é afetado pela energia de turbulência do ressalto para a vazão máxima vertida de 4.000 m³/s, o que

não acontece no transdutor DB (Figura 5 - canal 2), que já mostra o efeito desta energia para a vazão mencionada. Os picos de energia de turbulência para a vazão máxima ocorrem sobre os transdutores DC (canal 3) e D1 (canal 4), já localizados na bacia de dissipação, conforme mostram as Figuras 6 e 7, observando-se que a energia de turbulência das maiores escalas concentram-se na faixa de 0 a 5 Hz, como era de se esperar. As Figuras 8, 9 e 10 (transdutores D3 - canal 5, D5 - canal 6 e D7 - canal 7) mostram a atenuação gradativa do pico de energia de turbulência.

Os resultados da análise das flutuações de pressão no domínio do tempo estão apresentados nas Figuras 11, 12 e 13, evidenciando que o ressalto se caracteriza por grandes amplitudes de flutuações. A Figura 11 apresenta os resultados de amplitude de pressão ($p_{\max} - p_{\min}$) ao longo do ressalto para vazões variando entre 500 e 4.000 m³/s. Nota-se claramente nesta Figura o aumento gradativo das amplitudes de flutuação de pressão com a vazão, atingindo valores da ordem de 20 m, notando-se ainda que a zona crítica do ressalto para a vazão máxima vertida se situa entre os transdutores DC (canal 3) e D1 (canal 4), como já observado na análise espectral.

As Figuras 12 e 13 apresentam as linhas de pressão máxima, média e mínima ao longo do ressalto para as vazões de 2.000 e 4.000 m³/s, no entanto, para a vazão de 4.000 m³/s são observadas pressões negativas da ordem de 4 m.c.a. na zona crítica do ressalto (região dos transdutores DC e D1).

O CEHPAR, recebeu de FURNAS, no dia 4 de julho de 1997, em reunião realizada no Rio de Janeiro, um disquete de 100 Mb contendo os dados obtidos no protótipo pelo LAHE/COPPE com o sistema da Lynx.

No disquete os dados foram armazenados em arquivos no formato ASCII não

podendo serem utilizados na planilha de cálculo EXCEL, devido à grande quantidade de registros em um único arquivo. Para poder usá-los, optou-se por desmembrar cada arquivo em vários arquivos menores com 3.000 registros cada um. A aquisição de dados no protótipo ocorreu de forma contínua, uma vez que o tempo de interrupção entre um arquivo e outro foi menor que um segundo.

As variações do nível de água de jusante no protótipo, no início e no final da estabilização foram pequenas, de forma que podemos considerá-las como constantes para efeito de análise das flutuações de pressão.

O processamento de amostras da aqui-

sição 1, para cada vazão ensaiada no protótipo, permite-nos apresentar nas Figuras 14 a 18 gráficos das flutuações de pressão obtidos nos sete transdutores. Observa-se claramente nestes gráficos o processo de geração e de ampliação de turbulência, particularmente para as vazões mais altas.

Em cada gráfico apresentam-se valores da flutuação máxima, média e mínima, a diferença entre as flutuações máxima e mínima e a cota do transdutor.

Os resultados desses gráficos conduzem, para cada vazão, aos seguintes valores de amplitude de flutuação para os transdutores DA, DB, DC e D1.

Vazão (m ³ /s)	Transdutores de Pressão			
	DA (m)	DB (m)	DC (m)	D1 (m)
500	4,17	3,87	3,84	5,15
1.000	7,32	5,53	4,98	5,06
2.000	5,51	7,51	8,03	7,46
3.000	6,22	6,62	9,03	10,10
4.000	4,06	8,13	11,16	12,93

Com relação aos dados aquisitados pelo LAHE e COPPE, os trabalhos serão desenvolvidos da mesma forma, estando atualmente em uma fase inicial de processamento de dados.

6.2 MODELO NA ESCALA 1:100

Após o término da campanha de ensaios realizada no protótipo, os estudos de flutuação de pressão na UHE de Porto Colômbia tiveram continuidade através da simulação das condições ensaiadas na Usina no modelo hidráulico reduzido construído, no LAHE, na escala 1:100.

As condições de contorno registradas no

protótipo foram reproduzidas neste modelo de conjunto das obras, e as pressões médias e instantâneas foram medidas nos mesmos locais monitorados na Usina.

Foram instaladas tomadas piezométricas adicionais, de forma a se obter maior subsídio à comparação modelo / protótipo a ser efetuada, bem como informações mais completas acerca do processo de dissipação de energia ao longo da bacia.

Para atender a este último objetivo foi realizada ainda uma segunda campanha de ensaios, onde simulou-se também vazões vertidas superiores às ensaiadas no protótipo (de 500 a 12.000 m³/s), fixou-se a vazão turbi-

nada em 1.130 m³/s ($Q_{TURB.50\%}$) e variou-se o nível d'água de jusante conforme a curva-chave determinada para $NAR_{MARINBONDO} = 446,30$ m.

Os dados obtidos nestas campanhas de ensaio encontram-se em processo de análise pelo LAHE.

6.3 MODELO NA ESCALA 1:40

6.3.1 Construção

A construção do vertedouro foi desenvolvida em 3 estruturas separadas: a soleira vertedoura até o final da contra-curva; o trecho plano da bacia de dissipação e o defletor.

O vertedouro, com duas passagens (Foto 17), foi construído em um canal com paredes de concreto, sendo um trecho da parede esquerda constituída por um painel de acrílico transparente, para permitir a visualização do escoamento no interior do canal (Foto 18). O canal, com 0,925 m de largura (Foto 19), possui uma alimentação com duas tubulações de 0,274 m de diâmetro e uma tubulação com 0,180 m de diâmetro. A vazão imposta no modelo é estabelecida por medidores do tipo Venturi, ilustrados na Foto 20.

A tranquilização do escoamento é composta de tijolos perfurados e de telas (Foto 21). A imposição dos níveis de água de jusante é estabelecida a partir de uma comporta basculante implantada no trecho final do canal (Figura 19).

No modelo foram implantadas três réguas linimétricas (Figura 19) para a determinação dos níveis de água a montante do vertedouro (PL-01), na bacia de dissipação (PL-MÓVEL) e a jusante do vertedouro (PL-02).

A configuração geral do vertedouro e da bacia de dissipação implantados no modelo encontra-se na Figura 20.

6.3.2 Instrumentação

A estrutura do vertedouro foi instrumentada com 32 tomadas de pressão, sendo 25 piezômetros para leituras de pressões médias, e 7 transdutores de pressão para leituras de pressões instantâneas.

A localização dos transdutores de pressão no modelo correspondem às mesmas posições dos transdutores implantados no protótipo. As posições dos piezômetros no modelo ao longo da soleira vertedoura e da bacia de dissipação foram definidas pelo CEHPAR. No protótipo, os transdutores de pressão foram instalados ao longo da estaca 9 +45,659 m, correspondente ao alinhamento longitudinal afastado 7,2 m da base do muro direito. No modelo, todas as tomadas de pressão encontram-se instaladas à 9,55 m (dimensões de protótipo) do eixo do pilar central. Os transdutores de pressão, modelo Sodmex HPG9002, foram implantados (rosquedados) sob o fundo da bacia de dissipação, construída em acrílico. O contato do escoamento com a célula de pressão efetuou-se através de um orifício com diâmetro de 1,5 mm e com 1,6 mm de comprimento.

Após a instalação da estrutura no canal, o CEHPAR foi informado da mudança do posicionamento dos transdutores de pressão identificados como DA e DB. Diante dessa situação, não foi possível reposicioná-los a tempo, mantendo-se o posicionamento dos transdutores de pressão DA e DB, na estaca 0 +321,742 m e na estaca 0 +325,797 m, respectivamente, conforme indicado no desenho de referência DEC-T-CLB.13.215-R2.

O transdutor de pressão D1 foi implantado no modelo na estaca 0 +333,28 m, distante 0,801 m a montante de sua posição correspondente no protótipo. A localização correta da tomada de pressão D1 é na estaca 0 +334,081 m.

A posição dos piezômetros e dos transdutores de pressão implantados na estrutura do vertedouro e na bacia de dissipação estão

indicados na Figura 21. As Fotos 22 e 23 ilustram os transdutores de pressão instalados na bacia de dissipação.

6.3.3 Ensaios e Resultados Obtidos

Realizaram-se no modelo parcial testes com as vazões de 500 m³/s, 1.000 m³/s, 2.000 m³/s, 3.000 m³/s e 4.000 m³/s (Fotos 24 a 29). Para cada teste impostou-se aberturas iguais nas duas comportas do vertedouro, de maneira a se estabelecer no canal a montante da estrutura, na PL-01, os mesmos níveis de água obtidos para mesmas condições de operação na campanha de ensaios realizada na UHE de Porto Colômbia, nos dias 19 a 22 de maio de 1996. O níveis de água de jusante impostos na PL-02, correspondem aos níveis de água lidos no protótipo, no batente esquerdo da ilha. Os níveis de água resultantes no modelo constam do Quadro 1.

Para a aquisição de dados de pressão instantânea utilizou-se um sistema de instrumentação composto por um microcomputador 486 DXII 66 Mhz, equipado com placa de conversor analógico / digital de 12 bits (fabricada no CEHPAR) e sete transdutores de pressão do tipo relativo, bidirecional, para a faixa de -30 kPa a +30 kPa e saída em corrente, fabricado pela Sodmex.

Para cada teste efetuaram-se dois conjuntos de três aquisições de dados, sendo cada conjunto realizado com uma taxa de amostragem por segundo distinta. Ao final de cada conjunto de aquisições de dados, os transdutores foram calibrados a partir de um

nível de água estático. As tensões de calibração dos transdutores, as cotas estáticas e a escala de conversão utilizadas na calibração de cada transdutor, para as vazões ensaiadas, constam dos Quadros 2 a 4. Os arquivos gerados pelo sistema de aquisição de dados (no seu formato original), a quantidade de amostras por canal, a taxa de leitura (amostras por segundo), os canais ativos e o tempo de aquisição, para cada vazão ensaiada, constam dos Quadros 5 a 7.

Em cada teste, para cada aquisição, foram lidos os piezômetros instalados ao longo do vertedouro. As pressões obtidas nos piezômetros e nos transdutores de pressão são apresentadas nos Quadros 8 a 13.

As distribuições de pressão média obtidas para a aquisição 1 estão representadas na Figura 22. Observa-se nessa figura que as pressões obtidas nos transdutores ajustam-se bem à distribuição de pressões medidas nos piezômetros.

Os gráficos das flutuações de pressão, no domínio do tempo, obtidos em cada um dos transdutores, para a aquisição 1, efetuada para cada vazão, estão apresentados nas Figuras 23 a 27. Em cada gráfico apresentam-se a cota piezométrica média, a cota da tomada de pressão, as cotas piezométricas máxima e mínima e a diferença entre esses valores (amplitude da flutuação).

Os resultados desses gráficos conduzem, para cada vazão, aos seguintes valores de amplitude de flutuação para os transdutores de pressão DA, DB, DC e D1.

Vazão (m ³ /s)	Transdutores de Pressão			
	DA (m)	DB (m)	DC (m)	D1 (m)
500	4,74	2,63	2,61	2,22
1.000	10,31	4,83	5,86	5,24
2.000	12,89	9,90	10,50	9,28
3.000	11,64	12,70	14,98	14,35
4.000	9,19	11,03	18,72	14,71

Observa-se que os valores máximos da amplitude de flutuação deslocam-se de DA para DC à medida em que a vazão aumenta, identificando adequado acompanhamento do correspondente deslocamento do ressalto hidráulico para jusante

6.4 MODELO NA ESCALA 1:20

O projeto, construção e exploração do modelo bidimensional do vertedouro na escala 1:20 estão programados para uma próxima etapa dos estudos, sendo esta atribuição prevista para ser realizada por FURNAS e LAHE / FCTH.

6.5 COMPARAÇÃO MODELOS x PROTÓTIPO

Após os ensaios desenvolvidos no protótipo deu-se início a etapa de comparação dos resultados de protótipo e de modelo.

Os resultados de protótipo deverão ser comparados com os resultados dos modelos de FURNAS (escala 1:100), do CEHPAR (escala 1:40) e LAHE / FCTH (escala 1:20).

O programa de trabalho referente a comparação de dados, modelos / protótipo, está programado para o período de 11/97 a 04/98 e constará das seguintes etapas:

Etapa 1 - Análise complementar dos dados de protótipo aquisitados pela FCTH.

Etapa 2 - Análise, via Sistema Lynx, dos dados aquisitados no protótipo por FURNAS / COPPE e comparação com os aquisitados pela FCTH no protótipo.

Etapa 3 - Projeto, construção e aquisição de dados no modelo escala 1:20 LAHE / FCTH.

Etapa 4 - Análise estatística e espectral dos resultados de modelo.

Etapa 5 - Estudo comparativo entre os dados de protótipo e de modelo.

Etapa 6 - Publicação da análise comparativa e dos resultados obtidos.

7. PRÓXIMAS ETAPAS DE ESTUDO

Apresentou-se ao longo deste relato, um histórico dos problemas ocorridos na bacia de Porto Colombia, o diagnóstico de cavitação e erosão por vórtice ferradura da estrutura de dissipação na região dos blocos de queda (**chute blocks**), os estudos em modelo físico até então realizados, a solução de engenharia dada pelo grupo de consultores, a partir da remoção total dos blocos de queda, o trabalho de concepção, projeto e instrumentação de um vão da bacia de dissipação, o trabalho de aquisição de dados através de dois sistemas de aquisição operando simultaneamente.

Não se conhece na literatura nenhum trabalho de instrumentação em protótipo de estruturas de dissipação por ressalto hidráulico, com instalação de sete transdutores faceados à bacia, cujos sinais foram aquisitados sem problemas. Deve-se portanto reconhecer o esforço pioneiro de FURNAS Centrais Elétricas em apoiar o desenvolvimento deste trabalho dando a devida importância à pesquisa em protótipo de fenômenos hidráulicos turbulentos.

A etapa de trabalho que a subcomissão "Desenvolvimento de Pesquisa" deverá enfrentar daqui para a frente consiste no processamento e na análise dos dados instantâneos de flutuação de pressão de modo a configurar um banco de dados que servirá de base para o aprimoramento de projetos (pesquisa aplicada a engenharia hidráulica) e para o desenvolvimento de pesquisas básicas em turbulência.

7.1 PESQUISA APLICADA EM ENGENHARIA HIDRÁULICA

A literatura tem reportado a ocorrência de cavitação e erosão por vórtices ferradura em estruturas de dissipação para vazões operacionais bem abaixo das vazões de projeto dos vertedores. No caso da Usina Hidrelétrica de Porto Colombia, que tinha uma bacia de tipo II do USBR, erosões significativas foram observadas para descargas máximas inferiores a 36% ($5.700 \text{ m}^3/\text{s}$) da capacidade plena de vazão ($16.000 \text{ m}^3/\text{s}$). Isto está associado ao fato que para vazões mais baixas o vórtice ocorre próximo as fronteiras sólidas, acarretando danos as estruturas.

A decisão de engenharia mencionada neste relatório de se remover os blocos de queda da bacia de Porto Colômbia praticamente elimina a possibilidade de cavitação nesta região, já que os vórtices ferradura não devem mais se formar. Todavia, como as medições de flutuações de pressão no protótipo foram feitas após a eliminação dos blocos, os dados disponíveis não permitem um estudo direto da formação dos referidos vórtices.

Por outro lado, embora não exista a possibilidade de se estudar a cavitação no protótipo, os resultados permitirão estudar com detalhes os efeitos de escala em modelos em semelhança de Froude, já que são raras as possibilidades de instrumentação e medição em protótipo. Neste sentido já está em operação um modelo em escala 1:100 no LAHE, um modelo na escala 1:40 no CEHPAR e futuramente um modelo a ser explorado na escala 1:20 pela LAHE / FCTH. A simulação de modelos em escala Froude tem sido bastante útil na interpretação de fenômenos de cavitação por vórtice, admitindo-se escoamentos com número de Weber acima de 500. Todavia somente um estudo comparativo da envergadura do trabalho aqui proposto pode trazer algumas respostas definitivas para a interpretação dos efeitos de escala nos estudos de semelhança de Froude. Isto abriria a possibilidade de se estudar em modelo a

utilização e a otimização do uso dos chamados "blocos supercavitantes" em estruturas de dissipação por ressalto.

O banco de dados disponível a partir das medições de Porto Colombia será extremamente útil para os próximos projetos de estruturas de dissipação por ressalto. O ressalto é um fenômeno hidráulico de baixa frequência e de grande amplitude de flutuações, sendo que a análise de seu comportamento em protótipo, nos domínios do tempo e da frequência, permitirá a determinação, com segurança, das maiores escalas de turbulência e das solicitações hidrodinâmicas das estruturas.

É interessante salientar que as medições feitas com os sete transdutores permitirão uma análise criteriosa dos momentos de diversas ordens (média, desvio-padrão, variância, assimetria, curtose), das funções de autocorrelação, das correlações espaciais entre transdutores, dos espectros de potência, dos espectros cruzados entre transdutores, etc. Sendo assim será possível visualizar o caminhar do "roller" na bacia, o desenvolvimento e amortecimento de picos, a duração e o tamanho das maiores escalas de turbilhões, a possível distribuição de probabilidade das pressões flutuantes, que supõe-se não gaussiana na zona crítica do ressalto, a velocidade de convecção do ressalto, que supõe-se menor que a velocidade média do escoamento, etc.

Todas estas informações poderão ser utilizadas para o aprimoramento dos critérios de projetos de bacias de dissipação hoje disponíveis na literatura.

7.2 PESQUISAS BÁSICAS EM TURBULÊNCIA

Nos últimos dez anos o estudo da turbulência em escoamentos tem sido conduzido a partir de dois pontos de vista até certo ponto antagônicos.

Por um lado, sustenta-se que a turbulência é um fenômeno essencialmente randômico de forma que deve ser modelada a partir das ferramentas da estatística pesquisando-se os valores médios das quantidades turbulentas. Este ponto de vista segue a linha estabelecida pela teoria de Kolmogorov de 1941 da cascata de turbilhões¹. Segundo esta teoria, a turbulência se origina a partir da deformação do escoamento médio pelas instabilidades hidrodinâmicas e fronteiras dos escoamentos, gerando-se as maiores escalas de turbilhões (escalas integrais) que vão se decompondo em cascata até as menores escalas (escalas dissipativas).

Por outro lado há um outro ponto de vista que sustenta que a turbulência é composta por estruturas de coerência de modo a poder ser tratada como um fenômeno determinístico.

Uma análise mais aprofundada do tema indica que cada um destes pontos de vista não pode ser considerado isoladamente. Deve-se considerar as estruturas de coerência como parte integrante do escoamento turbulento. Desta forma quando se analisa um sinal turbulento de um escoamento qualquer e se identificam estruturas de coerência, observa-se que estas estruturas podem conservar a forma geométrica por algum tempo, mas são imprevisíveis em termos de posição no espaço e em tais situações, a análise randômica do sinal turbulento, utilizando as ferramentas da estatística, continua sendo fundamental para o estudo do fenômeno.

Nos escoamentos turbulentos as estruturas de coerência podem ser identificadas nas maiores escalas de turbilhões e no caso do ressalto hidráulico estão associadas ao caminhamento dos picos de flutuações de pressão, o que corresponde fisicamente ao caminhamento do "roller" ao longo da bacia de dissipação. Por outro lado, acredita-se que

os maiores turbilhões do ressalto são essencialmente anisotrópicos e a questão de como estes turbilhões trocam energia com os turbilhões menores até atingir as escalas dissipativas, em que os turbilhões são essencialmente isotrópicos, ainda é um problema teórico não claramente entendido. A análise dos dados de flutuações de pressão nos modelos e no protótipo da bacia de dissipação da Usina Hidrelétrica de Porto Colômbia, deve trazer subsídios importantes no sentido de se poder interpretar a estrutura da turbulência no ressalto hidráulico.

Com relação à distribuição de probabilidade, acredita-se que as flutuações de pressão no ressalto hidráulico não seguem uma distribuição gaussiana, pelo menos na zona crítica do ressalto hidráulico. Para se determinar a distribuição real de probabilidade são necessários registros longos, sendo escassas estas informações na literatura. Uma tentativa neste sentido foi realizada por TOSO & BOWERS (1988)² que utilizaram um registro de 24 horas de medição de flutuações de pressão em ressalto hidráulico em modelo. Embora seus resultados possam ser questionados quanto aos intervalos de confiança, já que os registros foram divididos em registros de uma hora, fica claro que a distribuição se destaca da distribuição gaussiana na região crítica do ressalto para valores da ordem de 2 a 3 vezes o desvio-padrão das flutuações de pressão. Por outro lado, observa-se que os valores de pico de flutuações de pressão obtidos por TOSO & BOWERS baseados nos valores de cálculo de

$$C_p^* = \frac{P_{\max} - P_{\text{medio}}}{\frac{1}{2} \rho U^2}, \text{ são da ordem de dez}$$

vezes os valores de RMS de flutuações de pressão baseados nos valores de cálculo de

$$C_p = \frac{\sqrt{p^2}}{\frac{1}{2} \rho U^2}. \text{ Os resultados de TOSO}$$

¹ LESIEUR, M. (1990) "Tubulence in Fluids". Kluwer Academic Publishers, Second Revision Edition 412p.

² TOSO, J.W. & BOWERS, C.E. (1988) "Extreme Pressures in Hydraulic Jump Stilling Basins". Journal of Hydraulic Engineering, vol. 114, n° 8, august 1988, p. 829-843

mostram valores de $C_p^+ \rightarrow 1$ para registro longo, não sendo todavia conclusivos. Os resultados disponíveis do protótipo de Porto Colômbia, onde foram feitos registros de flutuações de pressão através de dois sistemas de aquisição em paralelo, com intervalos de amostragem entre 5 e 45 minutos, além da possibilidade de se fazerem registros longos nos modelos, abrem a perspectiva de se conhecer a verdadeira distribuição de probabilidade de pressões no ressalto hidráulico, o que por si só seria um trabalho inédito.

Com relação a simulação numérica da turbulência, sabe-se que para a simulação direta de escoamentos turbulentos a partir da equação de Navier-Stokes há necessidade de se explicitar todas as escalas de turbulência, desde as maiores (escalas integrais) até as menores (escalas dissipativas de Kolmogorov). Considerando-se que a distância entre as maiores e as menores escalas aumenta com o número de Reynolds, torna-se impossível nos dias de hoje a simulação numérica direta dos escoamentos turbulentos encontrados na natureza com números de Reynolds superiores a 10^5 , sendo que o ressalto hidráulico se enquadra nesta situação. No sentido de se suprir esta dificuldade, a utilização dos chamados "LES - Large Eddy Simulation Turbulence Model" tem sido objeto de discussões em diversos simpósios internacionais e em revistas técnicas especializadas. Os "LES" tem como principal interesse descrever o comportamento das maiores escalas do escoamento, que normalmente, contém as informações desejadas sobre a estrutura de coerência da turbulência e os processos de transferência de energia para as menores escalas. Estes modelos requerem muito menos capacidade computacional, pois não tem o objetivo de simular as escalas dissipativas, que são introduzidas no cálculo a partir do estabelecimento de uma hipótese.

A simulação via "LES", em princípio, deve permitir a previsão das propriedades

estatísticas do escoamento turbulento pesquisado (momentos de diversas ordens, distribuição espectral, coeficientes de transferência para as menores escalas, etc), além de possibilitar a previsão da forma e da topologia da estrutura organizada das maiores escalas do escoamento, embora não tenha condição de reproduzir corretamente a fase destas estruturas, considerando-se que os escoamentos turbulentos são imprevisíveis no espaço.

Pretende-se portanto, a partir do banco de dados do estudo de flutuações de pressão de Porto Colômbia estudar a possibilidade de aplicação dos chamados "LES" na simulação numérica do ressalto hidráulico em bacias de dissipação.

Finalmente é importante enfatizar a contribuição à pesquisa na área de instrumentação aplicada a medição de fenômenos hidráulicos turbulentos. Na prática da Engenharia Hidráulica aplicada ao estudo das estruturas de dissipação tem sido mais comum a utilização de transdutores piezo-resistivos para a medição de flutuações de pressão.

Dois cuidados devem ser tomados quando da utilização destes transdutores. Em primeiro lugar, os transdutores devem ter uma membrana suficientemente pequena, de modo a registrar as menores escalas de turbulência. Em segundo lugar, preferencialmente, devem ser instalados faceados aos pontos de medição, de modo a impedir a atenuação ou amplificação das respostas em frequência introduzidas por sistemas de mangueiras e adaptadores instalados entre o ponto da tomada de pressão e o ponto de instalação do transdutor. Pesquisas neste sentido tem sido conduzidas por ORTIZ & BARBOSA³.

³ ORTIZ, J.P. & BARBOSA, F.S. (1995) "Critérios de escolha de transdutor elétrico de pressão como padrão de medida para laboratórios de hidráulica. Anais do Segundo Simpósio Brasileiro de Medição de Vazão - IPT/SP, p.415-424.

No caso de Porto Colômbia, estes cuidados foram tomados, o que torna, mais uma vez, o trabalho inédito em termos de instrumentação de protótipo. Nos modelos em escala 1:100, 1:40 e 1:20, as pesquisas poderão ser conduzidas com transdutores faceados ou não, de modo a se estabelecer um modelo matemático de correção dos sinais de pressão, quando da necessidade de utilização de sistemas de mangueiras e adaptadores entre a tomada de pressão e o transdutor.

É interessante salientar que pelo fato dos números de Reynolds de protótipo e modelo serem diferentes, diferenças deverão ocorrer nos respectivos espectros de potência, mesmo no caso de utilização de transdutores faceados (tanto no protótipo como no modelo). Sendo assim, os dados de Porto Colômbia permitirão contribuir com as pesquisas relativas aos estudos de resolução espacial e

em frequência das escalas de turbulência, a partir de medições de flutuações de pressão com transdutores piezoresistivos.

8. CONCLUSÃO

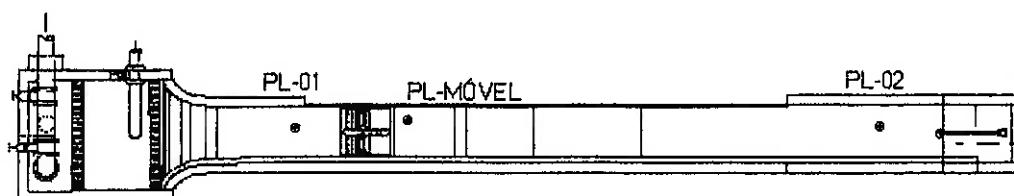
Pelo exposto, conclui-se que o trabalho até aqui desenvolvido pela Subcomissão "Desenvolvimento de Pesquisa" da ABRH sobre o tema "Flutuações de Pressão em Bacias de Dissipação" ultrapassou todas as expectativas de sucesso e se reveste de uma importância muito grande pois o banco de dados disponível e que começa a ser estudado, contém informações que devem trazer benefícios não só à pesquisa aplicada a Engenharia de Projeto de Estruturas Hidráulicas, mas também à pesquisa básica do Estudo da Turbulência, que permanece ainda, neste fim de século, como um dos tópicos não resolvido da ciência.

QUADRO 1 - NÍVEIS DE ÁGUA NO MODELO

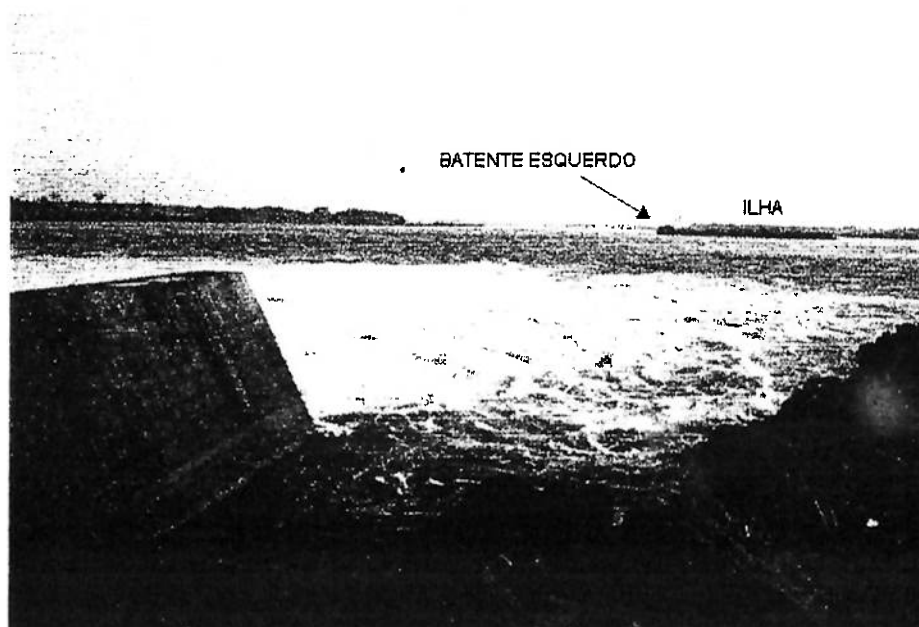
VAZÃO (m ³ /s)	N. A. A MONTANTE		N. A. A JUSANTE	
	MODELO (m)	PROTÓTIPO (m)	MODELO (m)	PROTÓTIPO (m)
500	466,24	465,77	443,85	443,81
1000	465,79	465,79	443,85	443,81
2000	465,74	465,74	444,36	444,32
3000	466,12	465,85	444,90	444,68
4000	465,74	465,74	445,19	445,15

NOTAS:

- N.A. a montante (modelo): corresponde ao nível de água lido na PL-01;
- N.A. a montante (protótipo): corresponde ao nível de água lido no reservatório;
- N.A. a jusante (modelo): corresponde ao nível de água lido na PL-02;
- N.A. a jusante (protótipo): corresponde ao nível de água lido no batente esquerdo da ilha.



MODELO PARCIAL - ESCALA 1:40



VISTA GERAL DO ESCOAMENTO A JUSANTE DO VERTEDOURO

QUADRO 2 - Tensões de Calibração dos Transdutores $Q=500 \text{ m}^3/\text{s}$ e $1.000 \text{ m}^3/\text{s}$

Transdutor de Pressão	Tensão de Referência		
	Cota 1 = 434,00 m (V_{cota1})	Cota 2 = 454,80 m (V_{cota2})	Escala m/V
DA	0,791	0,864	234,78
DB	0,804	0,887	239,13
DC	0,810	0,897	239,08
D1	0,806	0,893	239,08
D3	0,811	0,898	239,08
D5	0,813	0,897	247,62
D7	0,809	0,894	244,71

QUADRO 3 - Tensões de Calibração dos Transdutores $Q=2.000 \text{ m}^3/\text{s}$ e $3.000 \text{ m}^3/\text{s}$

Transdutor de Pressão	Tensão de Referência		
	Cota 1 = 434,00 m (V_{cota1})	Cota 2 = 454,80 m (V_{cota2})	Escala m/V
DA	0,791	0,863	238,04
DB	0,806	0,884	254,46
DC	0,812	0,896	236,29
D1	0,805	0,888	239,13
D3	0,812	0,896	236,29
D5	0,812	0,892	248,10
D7	0,811	0,890	251,24

Quadro 4 - Tensões de Calibração dos Transdutores $Q = 4.000 \text{ m}^3/\text{s}$

Transdutor de Pressão	Tensão de Referência		
	Cota 1 = 434,00 m (V_{cota1})	Cota 2 = 454,80 m (V_{cota2})	Escala m/V
DA	0,793	0,867	231,60
DB	0,805	0,887	242,05
DC	0,813	0,890	270,13
D1	0,806	0,892	241,86
D3	0,812	0,898	241,86
D5	0,809	0,897	236,36
D7	0,810	0,893	250,60

NOTAS:

- A "ESCALA" é obtida através da seguinte expressão: $ESCALA = (cota2 - cota1) / (V_{\text{cota2}} - V_{\text{cota1}})$.
Nessa equação a cota1 para DA é igual a 437,661 m, para DB é 434,952 m e para os demais é 434,00 m;
- m/V : metros por Volt; V : Volt .

QUADRO 5 - Características dos Arquivos Gerados $Q = 500 \text{ m}^3/\text{s}$ e $Q = 1.000 \text{ m}^3/\text{s}$

Vazão (m^3/s)	Arquivo	Amostras por Canal	Taxa de Leitura (A/s)	Canais Ativos	Tempo de Aquisição (s)
500	PC050A	3.850	71,46	7	53,88
	PC050B	3.850	71,46	7	53,88
	PC050C	3.850	71,44	7	53,89
	PC050D	3.850	143,60	7	26,81
	PC050E	3.850	143,90	7	26,75
	PC050F	3.850	143,65	7	26,80
1.000	PC100A	3.850	71,46	7	53,88
	PC100B	3.850	71,46	7	53,88
	PC100C	3.850	71,46	7	53,88
	PC100D	3.850	143,66	7	26,80
	PC100E	3.850	143,93	7	26,75
	PC100F	3.850	143,98	7	26,74

QUADRO 6 - Características dos Arquivos Gerados $Q = 2.000 \text{ m}^3/\text{s}$ e $Q = 3.000 \text{ m}^3/\text{s}$

Vazão (m^3/s)	Arquivo	Amostras por Canal	Taxa de Leitura (A/s)	Canais Ativos	Tempo de Aquisição (s)
2.000	PC200A	3.850	71,45	7	53,88
	PC200B	3.850	71,45	7	53,88
	PC200C	3.850	71,52	7	53,83
	PC200D	3.850	143,93	7	26,75
	PC200E	3.850	143,93	7	26,75
	PC200F	3.850	143,66	7	26,80
3.000	PC300A	3.850	71,46	7	53,88
	PC300B	3.850	71,53	7	53,88
	PC300C	3.850	71,53	7	53,82
	PC300D	3.850	143,93	7	26,75
	PC300E	3.850	143,93	7	26,75
	PC300F	3.850	143,61	7	26,81

QUADRO 7 - Características dos Arquivos Gerados $Q = 4.000 \text{ m}^3/\text{s}$

Vazão (m^3/s)	Arquivo	Amostras por Canal	Taxa de Leitura (A/s)	Canais Ativos	Tempo de Aquisição (s)
4.000	PC4001	3.850	284,94	7	13,51
	PC4002	3.850	285,02	7	13,51
	PC4003	3.850	284,94	7	13,51
	PC4004	3.850	440,59	7	8,74
	PC4005	3.850	440,98	7	8,73
	PC4006	3.850	440,39	7	8,74

NOTAS:- Cada arquivo contém as leituras dos sete transdutores de pressão; A/s : Amostras por segundo.

QUADRO 8 - PRESSÕES AO LONGO DO VERTEDOURO - AQUISIÇÃO 1

Resultados do modelo - escala 1:40

PIEZO- METRO	COTA DA TOMADA (m)	Vazão em Metros Cúbicos por Segundo										4.000		
		500		1.000		2.000		3.000		4.000		4.000		
		COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	PRESSÃO (m.c.a.)
1	450,697	466,16	15,46	466,12	15,42	465,84	15,14	465,64	14,94	464,84	14,14	464,84	14,14	14,14
2	451,274	466,40	15,13	466,24	14,97	465,84	14,57	465,40	14,13	464,68	13,41	464,68	13,41	13,41
3	451,839	466,44	14,60	465,86	14,02	465,60	13,76	464,80	12,96	463,48	11,64	463,48	11,64	11,64
4	452,000	466,36	14,36	465,64	13,64	464,64	12,64	462,92	10,92	461,32	9,32	461,32	9,32	9,32
5	451,896	465,20	13,30	462,28	10,38	459,40	7,50	457,92	6,02	457,16	5,26	457,16	5,26	5,26
6	451,626	451,70	0,07	451,72	0,09	452,40	0,77	452,80	1,17	453,12	1,49	453,12	1,49	1,49
7	451,208	451,40	0,19	451,12	-0,09	451,00	-0,21	450,76	-0,45	451,16	-0,05	451,16	-0,05	-0,05
8	450,651	450,60	-0,05	450,76	0,11	450,08	-0,57	450,40	-0,25	450,36	-0,29	450,36	-0,29	-0,29
9	449,961	450,20	0,24	450,20	0,24	450,20	0,24	449,84	-0,12	449,68	-0,28	449,68	-0,28	-0,28
10	449,143	449,30	0,16	448,76	-0,38	449,40	0,26	448,60	-0,54	448,64	-0,50	448,64	-0,50	-0,50
11	448,201	447,95	-0,25	448,16	-0,04	448,24	0,04	447,92	-0,28	448,08	-0,12	448,08	-0,12	-0,12
12	447,136	447,30	0,16	447,32	0,18	447,36	0,22	447,24	0,10	447,20	0,06	447,20	0,06	0,06
13	445,952	446,20	0,25	446,16	0,21	446,24	0,29	446,04	0,09	446,04	0,09	446,04	0,09	0,09
14	444,650	445,65	1,00	445,04	0,39	444,92	0,27	444,80	0,15	444,56	-0,09	444,56	-0,09	-0,09
15	441,763	443,50	1,74	443,64	1,88	443,68	1,92	443,60	1,84	443,72	1,96	443,72	1,96	1,96
16	438,823	442,88	4,06	443,44	4,62	443,20	4,38	443,28	4,46	443,64	4,82	443,64	4,82	4,82
DA	437,661	444,06	6,40	443,93	6,27	443,73	6,07	444,70	7,04	445,56	7,90	445,56	7,90	7,90
18	436,019	444,10	8,08	443,80	7,78	444,52	8,50	445,84	9,82	447,08	11,06	447,08	11,06	11,06
DB	434,952	444,34	9,39	445,07	10,12	444,88	9,93	446,77	11,82	447,76	12,81	447,76	12,81	12,81
20	434,392	443,80	9,41	443,96	9,57	444,96	10,57	446,20	11,81	447,28	12,89	447,28	12,89	12,89
DC	434,000	443,68	9,68	443,65	9,65	443,33	9,33	443,10	9,10	445,36	11,36	445,36	11,36	11,36
D1	434,000	443,27	9,27	443,53	9,53	442,27	8,27	442,37	8,37	442,87	8,87	442,87	8,87	8,87
23	434,000	443,55	9,55	443,16	9,16	443,20	9,20	442,80	8,80	442,72	8,72	442,72	8,72	8,72
24	434,000	443,70	9,70	443,28	9,28	443,32	9,32	443,00	9,00	443,00	9,00	443,00	9,00	9,00
D3	434,000	443,96	9,96	443,81	9,81	443,24	9,24	442,93	8,93	443,58	9,58	443,58	9,58	9,58
26	434,000	443,75	9,75	443,88	9,88	444,00	10,00	444,00	10,00	444,12	10,12	444,12	10,12	10,12
27	434,000	443,80	9,80	443,96	9,96	444,40	10,40	444,48	10,48	444,68	10,68	444,68	10,68	10,68
D5	434,000	443,24	9,24	444,18	10,18	443,53	9,53	444,78	10,78	445,14	11,14	445,14	11,14	11,14
29	434,000	443,85	9,85	444,08	10,08	444,56	10,56	445,20	11,20	445,52	11,52	445,52	11,52	11,52
30	434,000	443,90	9,90	444,12	10,12	444,84	10,84	445,44	11,44	445,88	11,88	445,88	11,88	11,88
D7	434,000	444,09	10,09	444,19	10,19	444,67	10,67	445,23	11,23	445,45	11,45	445,45	11,45	11,45
32	434,000	443,95	9,95	444,20	10,20	444,92	10,92	445,80	11,80	446,64	12,64	446,64	12,64	12,64

NOTAS: - Os resultados de DA, DB, DC, D1, D3, D5 e D7 foram obtidos com transdutores de pressão;

- m.c.a.: metro de coluna de água;

- Esses resultados estão representados na figura 10.

- pressão = cota piezométrica - cota da tomada;

QUADRO 9 - PRESSÕES AO LONGO DO VERTEDEIRO - AQUISIÇÃO 2
Resultados do modelo - escala 1:40

PIEZO- METRO	COTA DA TOMADA (m)	Vazão em Metros Cúbicos por Segundo											
		500			1.000			2.000			3.000		
		COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)
1	450,697	466,16	15,46	466,12	15,42	465,84	15,14	465,64	14,94	464,84	14,14	464,84	14,14
2	451,274	466,40	15,13	466,24	14,97	465,84	14,57	465,40	14,13	464,68	13,41	464,68	13,41
3	451,839	466,44	14,60	465,86	14,02	465,60	13,76	464,80	12,96	463,48	11,84	463,48	11,84
4	452,000	466,36	14,36	465,64	13,64	464,64	12,64	462,92	10,92	461,32	9,32	461,32	9,32
5	451,896	465,20	13,30	462,28	10,38	459,40	7,50	457,92	6,02	457,16	5,26	457,16	5,26
6	451,626	451,70	0,07	451,72	0,09	452,40	0,77	452,80	1,17	453,12	1,49	453,12	1,49
7	451,208	451,40	0,19	451,12	-0,09	451,00	-0,21	450,76	-0,45	451,16	-0,05	451,16	-0,05
8	450,651	450,60	-0,05	450,76	0,11	450,08	-0,57	450,40	-0,25	450,36	-0,29	450,36	-0,29
9	449,961	450,20	0,24	450,20	0,24	450,20	0,24	449,84	-0,12	449,68	-0,28	449,68	-0,28
10	449,143	449,30	0,16	448,76	-0,38	449,40	0,26	448,60	-0,54	448,64	-0,50	448,64	-0,50
11	448,201	447,95	-0,25	448,16	-0,04	448,24	0,04	447,92	-0,28	448,08	-0,12	448,08	-0,12
12	447,136	447,30	0,16	447,32	0,18	447,36	0,22	447,24	0,10	447,20	0,06	447,20	0,06
13	445,952	446,20	0,25	446,16	0,21	446,24	0,29	446,04	0,09	446,04	0,09	446,04	0,09
14	444,650	445,65	1,00	445,04	0,39	444,92	0,27	444,80	0,15	444,56	-0,09	444,56	-0,09
15	441,763	443,50	1,74	443,64	1,88	443,68	1,92	443,60	1,84	443,72	1,96	443,72	1,96
16	438,823	442,88	4,06	443,44	4,62	443,20	4,38	443,28	4,46	443,64	4,82	443,64	4,82
DA	437,661	443,97	6,31	444,00	6,34	443,78	6,12	444,66	7,00	445,47	7,81	445,47	7,81
18	436,019	444,10	8,08	443,80	7,78	444,52	8,50	445,84	9,82	447,08	11,06	447,08	11,06
DB	434,952	443,31	8,36	445,17	10,22	444,89	9,94	446,70	11,75	447,69	12,74	447,69	12,74
20	434,392	443,80	9,41	443,96	9,57	444,96	10,57	446,20	11,81	447,28	12,89	447,28	12,89
DC	434,000	443,64	9,64	443,68	9,68	443,38	9,38	443,13	9,13	445,23	11,23	445,23	11,23
D1	434,000	443,25	9,25	443,54	9,54	442,34	8,34	442,40	8,40	442,76	8,76	442,76	8,76
23	434,000	443,55	9,55	443,16	9,16	443,20	9,20	442,80	8,80	442,72	8,72	442,72	8,72
24	434,000	443,70	9,70	443,28	9,28	443,32	9,32	443,00	9,00	443,00	9,00	443,00	9,00
D3	434,000	443,91	9,91	443,84	9,84	443,34	9,34	442,90	8,90	443,50	9,50	443,50	9,50
26	434,000	443,75	9,75	443,88	9,88	444,00	10,00	444,00	10,00	444,12	10,12	444,12	10,12
27	434,000	443,80	9,80	443,96	9,96	444,40	10,40	444,48	10,48	444,68	10,68	444,68	10,68
D5	434,000	443,20	9,20	444,21	10,21	443,56	9,56	444,76	10,76	445,12	11,12	445,12	11,12
29	434,000	443,85	9,85	444,08	10,08	444,56	10,56	445,20	11,20	445,52	11,52	445,52	11,52
30	434,000	443,90	9,90	444,12	10,12	444,84	10,84	445,44	11,44	445,88	11,88	445,88	11,88
D7	434,000	444,07	10,07	444,23	10,23	444,73	10,73	445,20	11,20	445,42	11,42	445,42	11,42
32	434,000	443,95	9,95	444,20	10,20	444,92	10,92	445,80	11,80	446,64	12,64	446,64	12,64

NOTAS: - Os resultados de DA, DB, DC, D1, D3, D5 e D7 foram obtidos com transdutores de pressão;

- m.c.a.: metro de coluna de água;

- pressão = cota piezométrica - cota da tomada.

QUADRO 10 - PRESSÕES AO LONGO DO VERTEDEIRO - AQUISIÇÃO 3

Resultados do modelo - escala 1:40

PIEZÔ-METRO	COTA DA TOMADA (m)	Vazão em Metros Cúbicos por Segundo											
		500			1.000			2.000			3.000		
		COTA PIEZ. (m)	PRESSÃO (mca)		COTA PIEZ. (m)	PRESSÃO (mca)		COTA PIEZ. (m)	PRESSÃO (mca)		COTA PIEZ. (m)	PRESSÃO (mca)	
1	450,697	466,16	15,46		466,12	15,42		465,84	15,14		465,64	14,94	
2	451,274	466,40	15,13		466,24	14,97		465,84	14,57		465,40	14,13	
3	451,839	466,44	14,60		465,86	14,02		465,60	13,76		464,80	12,96	
4	452,000	466,36	14,36		465,64	13,64		464,64	12,64		462,92	10,92	
5	451,896	465,20	13,30		462,28	10,38		459,40	7,50		457,92	6,02	
6	451,626	451,70	0,07		451,72	0,09		452,40	0,77		452,80	1,17	
7	451,208	451,40	0,19		451,12	-0,09		451,00	-0,21		450,76	-0,45	
8	450,651	450,60	-0,05		450,76	0,11		450,08	-0,57		450,40	-0,25	
9	449,961	450,20	0,24		450,20	0,24		450,20	0,24		449,84	-0,12	
10	449,143	449,30	0,16		448,76	-0,38		449,40	0,26		448,60	-0,54	
11	448,201	447,95	-0,25		448,16	-0,04		448,24	0,04		447,92	-0,28	
12	447,136	447,30	0,16		447,32	0,18		447,36	0,22		447,24	0,10	
13	445,952	446,20	0,25		446,16	0,21		446,24	0,29		446,04	0,09	
14	444,650	445,65	1,00		445,04	0,39		444,92	0,27		444,80	0,15	
15	441,763	443,50	1,74		443,64	1,88		443,68	1,92		443,60	1,84	
16	438,823	442,88	4,06		443,44	4,62		443,20	4,38		443,28	4,46	
DA	437,661	444,03	6,37		443,99	6,33		443,83	6,17		444,70	7,04	
18	436,019	444,10	8,08		443,80	7,78		444,52	8,50		445,84	9,82	
DB	434,952	444,34	9,39		445,17	10,22		444,89	9,94		446,71	11,76	
20	434,392	443,80	9,41		443,96	9,57		444,96	10,57		446,20	11,81	
DC	434,000	443,69	9,69		443,69	9,69		443,40	9,40		443,06	9,06	
D1	434,000	443,28	9,28		443,56	9,56		442,35	8,35		442,34	8,34	
23	434,000	443,55	9,55		443,16	9,16		443,20	9,20		442,80	8,80	
24	434,000	443,70	9,70		443,28	9,28		443,32	9,32		443,00	9,00	
D3	434,000	443,96	9,96		443,83	9,83		443,29	9,29		442,86	8,86	
26	434,000	443,75	9,75		443,88	9,88		444,00	10,00		444,00	10,00	
27	434,000	443,80	9,80		443,96	9,96		444,40	10,40		444,48	10,48	
D5	434,000	443,25	9,25		444,19	10,19		443,54	9,54		444,70	10,70	
29	434,000	443,85	9,85		444,08	10,08		444,56	10,56		445,20	11,20	
30	434,000	443,90	9,90		444,12	10,12		444,84	10,84		445,44	11,44	
D7	434,000	444,14	10,14		444,23	10,23		444,74	10,74		445,21	11,21	
32	434,000	443,95	9,95		444,20	10,20		444,92	10,92		445,80	11,80	

NOTAS: - Os resultados de DA, DB, DC, D1, D3, D5 e D7 foram obtidos com transdutores de pressão;

- m.c.a : metro de coluna de água;

- pressão = cota piezométrica - cota da tomada.

QUADRO 11 - PRESSÕES AO LONGO DO VERTEDEIRO - AQUISIÇÃO 4

Resultados do modelo - escala 1:40

PIEZÔ-METRO	COTA DA TOMADA (m)	Vazão em Metros Cúbicos por Segundo											
		500			1.000			2.000			3.000		
		COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)
1	450,697	466,16	15,46	466,12	15,42	465,84	15,14	465,64	14,94	464,84	14,14	464,84	14,14
2	451,274	466,40	15,13	466,24	14,97	465,84	14,57	465,40	14,13	464,68	13,41	464,68	13,41
3	451,839	466,44	14,60	465,86	14,02	465,60	13,76	464,80	12,96	463,48	11,64	463,48	11,64
4	452,000	466,36	14,36	465,64	13,64	464,64	12,64	462,92	10,92	461,32	9,32	461,32	9,32
5	451,896	465,20	13,30	462,28	10,38	459,40	7,50	457,92	6,02	457,16	5,26	457,16	5,26
6	451,626	451,70	0,07	451,72	0,09	452,40	0,77	452,80	1,17	453,12	1,49	453,12	1,49
7	451,208	451,40	0,19	451,12	-0,09	451,00	-0,21	450,76	-0,45	451,16	-0,05	451,16	-0,05
8	450,651	450,60	-0,05	450,76	0,11	450,08	-0,57	450,40	-0,25	450,36	-0,29	450,36	-0,29
9	449,961	450,20	0,24	450,20	0,24	450,20	0,24	449,84	-0,12	449,68	-0,28	449,68	-0,28
10	449,143	449,30	0,16	448,76	-0,38	449,40	0,26	448,60	-0,54	448,64	-0,50	448,64	-0,50
11	448,201	447,95	-0,25	448,16	-0,04	448,24	0,04	447,92	-0,28	448,08	-0,12	448,08	-0,12
12	447,136	447,30	0,16	447,32	0,18	447,36	0,22	447,24	0,10	447,20	0,06	447,20	0,06
13	445,952	446,20	0,25	446,16	0,21	446,24	0,29	446,04	0,09	446,04	0,09	446,04	0,09
14	444,650	445,65	1,00	445,04	0,39	444,92	0,27	444,80	0,15	444,56	-0,09	444,56	-0,09
15	441,763	443,50	1,74	443,64	1,88	443,68	1,92	443,60	1,84	443,72	1,96	443,72	1,96
16	438,823	442,88	4,06	443,44	4,62	443,20	4,38	443,28	4,46	443,64	4,82	443,64	4,82
DA	437,661	444,05	6,39	444,04	6,38	443,78	6,12	444,66	7,00	445,48	7,82	445,48	7,82
18	436,019	444,10	8,08	443,80	7,78	444,52	8,50	445,84	9,82	447,08	11,06	447,08	11,06
DB	434,952	444,37	9,42	445,22	10,27	444,89	9,94	446,63	11,68	447,69	12,74	447,69	12,74
20	434,392	443,80	9,41	443,96	9,57	444,96	10,57	446,20	11,81	447,28	12,89	447,28	12,89
DC	434,000	443,72	9,72	443,75	9,75	443,40	9,40	443,00	9,00	445,33	11,33	445,33	11,33
D1	434,000	443,31	9,31	443,58	9,58	442,32	8,32	442,30	8,30	442,76	8,76	442,76	8,76
23	434,000	443,55	9,55	443,16	9,16	443,20	9,20	442,80	8,80	442,72	8,72	442,72	8,72
24	434,000	443,70	9,70	443,28	9,28	443,32	9,32	443,00	9,00	443,00	9,00	443,00	9,00
D3	434,000	443,96	9,96	443,91	9,91	443,29	9,29	442,95	8,95	443,50	9,50	443,50	9,50
26	434,000	443,75	9,75	443,88	9,88	444,00	10,00	444,00	10,00	444,12	10,12	444,12	10,12
27	434,000	443,80	9,80	443,96	9,96	444,40	10,40	444,48	10,48	444,68	10,68	444,68	10,68
D5	434,000	443,27	9,27	444,24	10,24	443,50	9,50	444,43	10,43	445,22	11,22	445,22	11,22
29	434,000	443,85	9,85	444,08	10,08	444,56	10,56	445,20	11,20	445,52	11,52	445,52	11,52
30	434,000	443,90	9,90	444,12	10,12	444,84	10,84	445,44	11,44	445,88	11,88	445,88	11,88
D7	434,000	444,18	10,18	444,28	10,28	444,68	10,68	445,17	11,17	445,42	11,42	445,42	11,42
32	434,000	443,95	9,95	444,20	10,20	444,92	10,92	445,80	11,80	446,64	12,64	446,64	12,64

NOTAS: -Os resultados de DA,DB,DC,D1,D3,D5 e D7 foram obtidos com transdutores de pressão;

- m.c.a. : metro de coluna de água;

- pressão = cota piezométrica - cota da tomada.

QUADRO 12 - PRESSÕES AO LONGO DO VERTEDOURO - AQUISIÇÃO 5
Resultados do modelo - escala 1:40

PIEZÔ-METRO	COTA DA TOMADA (m)	Vazão em Metros Cúbicos por Segundo											
		500			1.000			2.000			3.000		
		COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)
1	450,697	466,16	15,46	466,12	15,42	465,84	15,14	465,64	14,94	464,84	14,14	464,84	14,14
2	451,274	466,40	15,13	466,24	14,97	465,84	14,57	465,40	14,13	464,68	13,41	464,68	13,41
3	451,839	466,44	14,60	465,86	14,02	465,60	13,76	464,80	12,96	463,48	11,64	463,48	11,64
4	452,000	466,36	14,36	465,64	13,64	464,64	12,64	462,92	10,92	461,32	9,32	461,32	9,32
5	451,896	465,20	13,30	462,28	10,38	459,40	7,50	457,92	6,02	457,16	5,26	457,16	5,26
6	451,626	451,70	0,07	451,72	0,09	452,40	0,77	452,80	1,17	453,12	1,49	453,12	1,49
7	451,208	451,40	0,19	451,12	-0,09	451,00	-0,21	450,76	-0,45	451,16	-0,05	451,16	-0,05
8	450,651	450,60	-0,05	450,76	0,11	450,08	-0,57	450,40	-0,25	450,36	-0,29	450,36	-0,29
9	449,961	450,20	0,24	450,20	0,24	450,20	0,24	449,84	-0,12	449,68	-0,28	449,68	-0,28
10	449,143	449,30	0,16	448,76	-0,38	449,40	0,26	448,60	-0,54	448,64	-0,50	448,64	-0,50
11	448,201	447,95	-0,25	448,16	-0,04	448,24	0,04	447,92	-0,28	448,08	-0,12	448,08	-0,12
12	447,136	447,30	0,16	447,32	0,18	447,36	0,22	447,24	0,10	447,20	0,06	447,20	0,06
13	445,952	446,20	0,25	446,16	0,21	446,24	0,29	446,04	0,09	446,04	0,09	446,04	0,09
14	444,650	445,65	1,00	445,04	0,39	444,92	0,27	444,80	0,15	444,56	-0,09	444,56	-0,09
15	441,763	443,50	1,74	443,64	1,88	443,68	1,92	443,60	1,84	443,72	1,96	443,72	1,96
16	438,823	442,88	4,06	443,44	4,62	443,20	4,38	443,28	4,46	443,64	4,92	443,64	4,92
DA	437,661	444,07	6,41	444,05	6,39	443,74	6,08	444,71	7,05	445,38	7,72	445,38	7,72
18	436,019	444,10	8,08	443,80	7,78	444,52	8,50	445,84	9,82	447,08	11,06	447,08	11,06
DB	434,952	444,38	9,43	445,21	10,26	444,81	9,86	446,61	11,66	447,74	12,79	447,74	12,79
20	434,392	443,80	9,41	443,96	9,57	444,96	10,57	446,20	11,81	447,28	12,89	447,28	12,89
DC	434,000	443,74	9,74	443,74	9,74	443,23	9,23	443,10	9,10	445,33	11,33	445,33	11,33
D1	434,000	443,33	9,33	443,58	9,58	442,20	8,20	442,39	8,39	442,72	8,72	442,72	8,72
23	434,000	443,55	9,55	443,16	9,16	443,20	9,20	442,80	8,80	442,72	8,72	442,72	8,72
24	434,000	443,70	9,70	443,28	9,28	443,32	9,32	443,00	9,00	443,00	9,00	443,00	9,00
D3	434,000	443,99	9,99	443,89	9,89	443,11	9,11	442,89	8,89	443,44	9,44	443,44	9,44
26	434,000	443,75	9,75	443,88	9,88	444,00	10,00	444,00	10,00	444,12	10,12	444,12	10,12
27	434,000	443,80	9,80	443,96	9,96	444,40	10,40	444,48	10,48	444,68	10,68	444,68	10,68
D5	434,000	443,31	9,31	444,21	10,21	443,44	9,44	444,34	10,34	445,00	11,00	445,00	11,00
29	434,000	443,85	9,85	444,08	10,08	444,56	10,56	445,20	11,20	445,52	11,52	445,52	11,52
30	434,000	443,90	9,90	444,12	10,12	444,84	10,84	445,44	11,44	445,88	11,88	445,88	11,88
D7	434,000	444,22	10,22	444,29	10,29	444,57	10,57	445,12	11,12	445,30	11,30	445,30	11,30
32	434,000	443,95	9,95	444,20	10,20	444,92	10,92	445,80	11,80	446,64	12,64	446,64	12,64

NOTAS: -Os resultados de DA, DB, DC, D1, D3, D5 e D7 foram obtidos com transdutores de pressão;

- m.c.a. : metro de coluna de água;

- pressão = cota piezométrica - cota da tomada.

QUADRO 13 - PRESSÕES AO LONGO DO VERTEDOURO - AQUISIÇÃO 6
Resultados do modelo - escala 1:40

PIEZÔ- METRO	COTA DA TOMADA (m)	Vazão em Metros Cúbicos por Segundo												4.000		
		500			1.000			2.000			3.000			4.000		
		COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	COTA PIEZ. (m)	PRESSÃO (m.c.a.)	PRESSÃO (m.c.a.)
1	450,697	466,16	15,46	466,12	15,42	465,84	15,14	465,64	14,94	464,84	14,14	464,84	14,14	464,84	14,14	14,14
2	451,274	466,40	15,13	466,24	14,97	465,84	14,57	465,40	14,13	464,68	13,41	464,68	13,41	464,68	13,41	13,41
3	451,839	466,44	14,60	465,86	14,02	465,60	13,76	464,80	12,96	463,48	11,64	463,48	11,64	463,48	11,64	11,64
4	452,000	466,36	14,36	465,64	13,64	464,64	12,64	462,92	10,92	461,32	9,32	461,32	9,32	461,32	9,32	9,32
5	451,896	465,20	13,30	462,28	10,38	459,40	7,50	457,92	6,02	457,16	5,26	457,16	5,26	457,16	5,26	5,26
6	451,626	451,70	0,07	451,72	0,09	452,40	0,77	452,80	1,17	453,12	1,49	453,12	1,49	453,12	1,49	1,49
7	451,208	451,40	0,19	451,12	-0,09	451,00	-0,21	450,76	-0,45	451,16	-0,05	451,16	-0,05	451,16	-0,05	-0,05
8	450,651	450,60	-0,05	450,76	0,11	450,08	-0,57	450,40	-0,25	450,36	-0,29	450,36	-0,29	450,36	-0,29	-0,29
9	449,961	450,20	0,24	450,20	0,24	450,20	0,24	449,84	-0,12	449,68	-0,28	449,68	-0,28	449,68	-0,28	-0,28
10	449,143	449,30	0,16	448,76	-0,38	449,40	0,26	448,64	-0,54	448,64	-0,50	448,64	-0,50	448,64	-0,50	-0,50
11	448,201	447,95	-0,25	448,16	-0,04	448,24	0,04	447,92	-0,28	448,08	-0,12	448,08	-0,12	448,08	-0,12	-0,12
12	447,136	447,30	0,16	447,32	0,18	447,36	0,22	447,24	0,10	447,20	0,06	447,20	0,06	447,20	0,06	0,06
13	445,952	446,20	0,25	446,16	0,21	446,24	0,29	446,04	0,09	446,04	0,09	446,04	0,09	446,04	0,09	0,09
14	444,650	445,65	1,00	445,04	0,39	444,92	0,27	444,80	0,15	444,56	-0,09	444,56	-0,09	444,56	-0,09	-0,09
15	441,763	443,50	1,74	443,64	1,88	443,68	1,92	443,60	1,84	443,72	1,96	443,72	1,96	443,72	1,96	1,96
16	438,823	442,88	4,06	443,44	4,62	443,20	4,38	443,28	4,46	443,64	4,82	443,64	4,82	443,64	4,82	4,82
DA	437,661	444,05	6,39	443,99	6,33	443,72	6,06	444,73	7,07	445,40	7,74	445,40	7,74	445,40	7,74	7,74
18	436,019	444,10	8,08	443,80	7,78	444,52	8,50	445,84	9,82	447,08	11,06	447,08	11,06	447,08	11,06	11,06
DB	434,952	444,37	9,42	445,19	10,24	444,84	9,89	446,60	11,65	447,66	12,71	447,66	12,71	447,66	12,71	12,71
20	434,392	443,80	9,41	443,96	9,57	444,96	10,57	446,20	11,81	447,28	12,89	447,28	12,89	447,28	12,89	12,89
DC	434,000	443,72	9,72	443,74	9,74	443,26	9,26	443,10	9,10	445,24	11,24	445,24	11,24	445,24	11,24	11,24
D1	434,000	443,30	9,30	443,57	9,57	442,22	8,22	442,43	8,43	442,68	8,68	442,68	8,68	442,68	8,68	8,68
23	434,000	443,55	9,55	443,16	9,16	443,20	9,20	442,80	8,80	442,72	8,72	442,72	8,72	442,72	8,72	8,72
24	434,000	443,70	9,70	443,28	9,28	443,32	9,32	443,00	9,00	443,00	9,00	443,00	9,00	443,00	9,00	9,00
D3	434,000	443,97	9,97	443,88	9,88	443,08	9,08	442,93	8,93	443,34	9,34	443,34	9,34	443,34	9,34	9,34
26	434,000	443,75	9,75	443,88	9,88	444,00	10,00	444,00	10,00	444,12	10,12	444,12	10,12	444,12	10,12	10,12
27	434,000	443,80	9,80	443,96	9,96	444,40	10,40	444,48	10,48	444,68	10,68	444,68	10,68	444,68	10,68	10,68
D5	434,000	443,27	9,27	444,24	10,24	443,34	9,34	444,36	10,36	444,92	10,92	444,92	10,92	444,92	10,92	10,92
29	434,000	443,85	9,85	444,08	10,08	444,56	10,56	445,20	11,20	445,52	11,52	445,52	11,52	445,52	11,52	11,52
30	434,000	443,90	9,90	444,12	10,12	444,84	10,84	445,44	11,44	445,88	11,88	445,88	11,88	445,88	11,88	11,88
D7	434,000	444,19	10,19	444,29	10,29	444,53	10,53	445,16	11,16	445,19	11,19	445,19	11,19	445,19	11,19	11,19
32	434,000	443,95	9,95	444,20	10,20	444,92	10,92	445,80	11,80	446,64	12,64	446,64	12,64	446,64	12,64	12,64

NOTAS: -Os resultados de DA, DB, DC, D1, D3, D5 e D7 foram obtidos com transdutores de pressão;

- m.c.a.: metro de coluna de água;

- pressão = cota piezométrica - cota da tomada.

FIGURA 1 - PROJETO DOS EMBUTIDOS: POSICIONAMENTO DOS PONTOS DE MEDIÇÃO

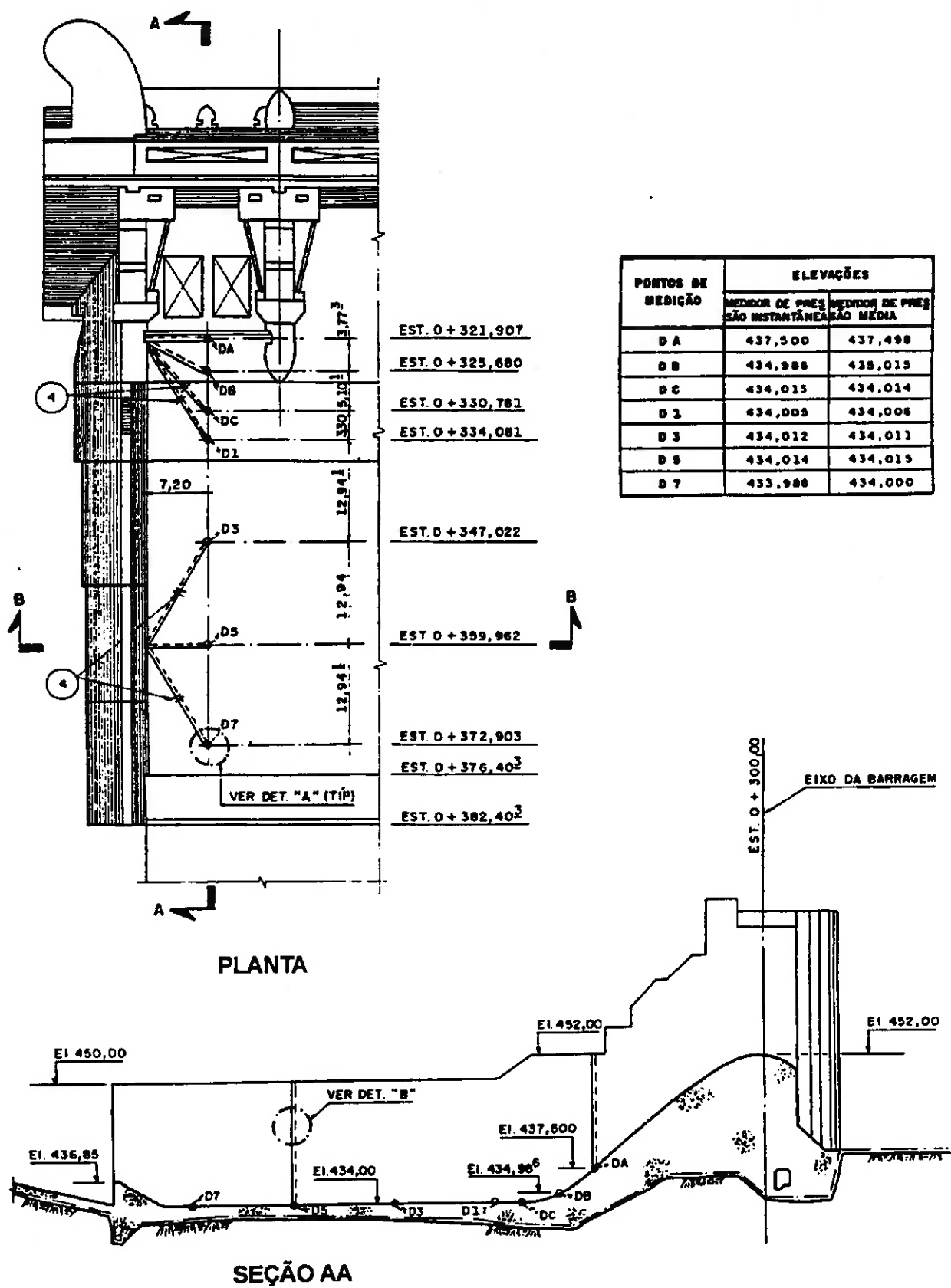
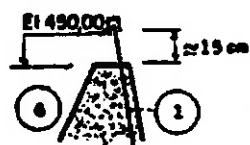
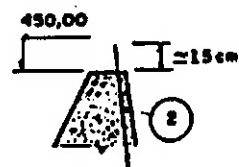


FIGURA 2 - PROJETO DOS EMBUTIDOS: SEÇÕES E DETALHES



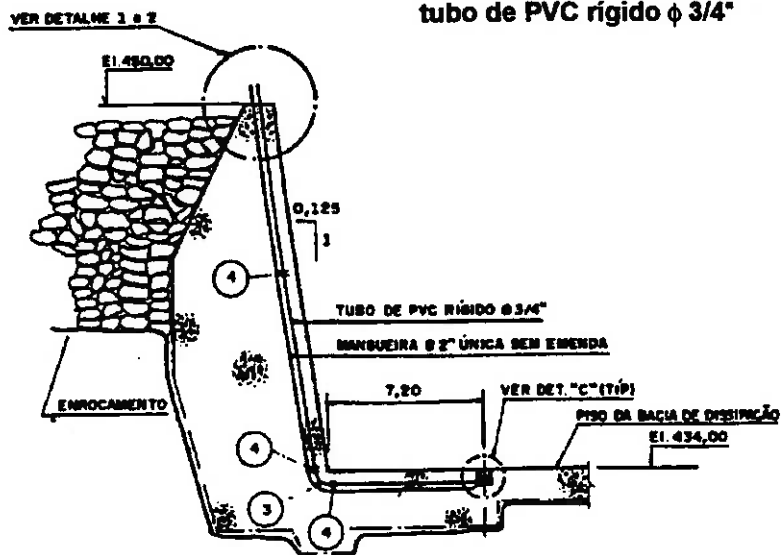
DETALHE 2

Detalhe da extremidade do tubo de PVC rígido ϕ 3/4"

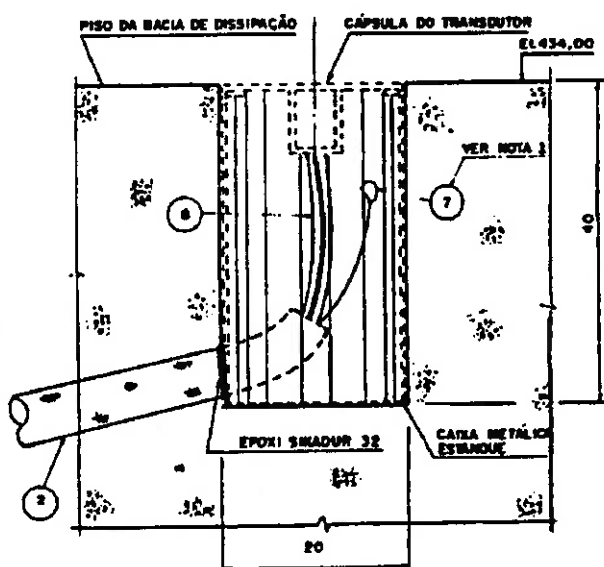


DETALHE 1

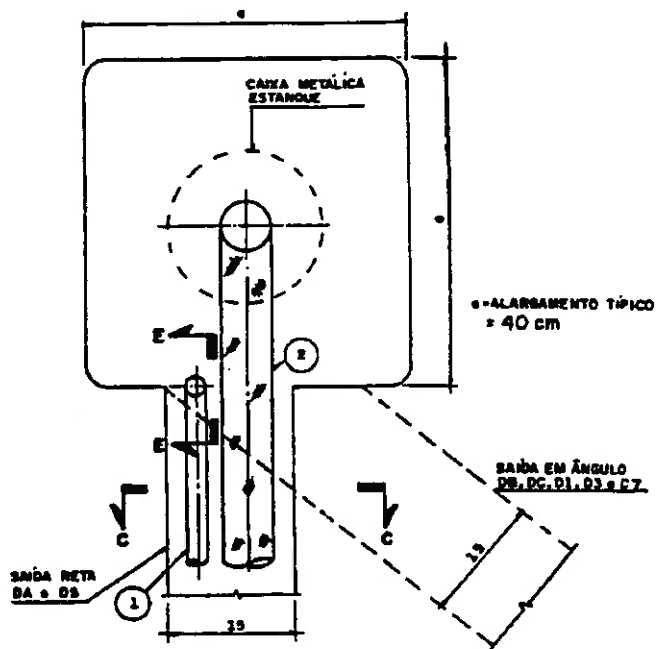
Detalhe da extremidade do tubo de PVC rígido ϕ 2"



SEÇÃO BB



DETALHE C (típico)



DETALHE A (típico)

FIGURA 3 - PROJETO DOS EMBUTIDOS: SEÇÕES E DETALHES

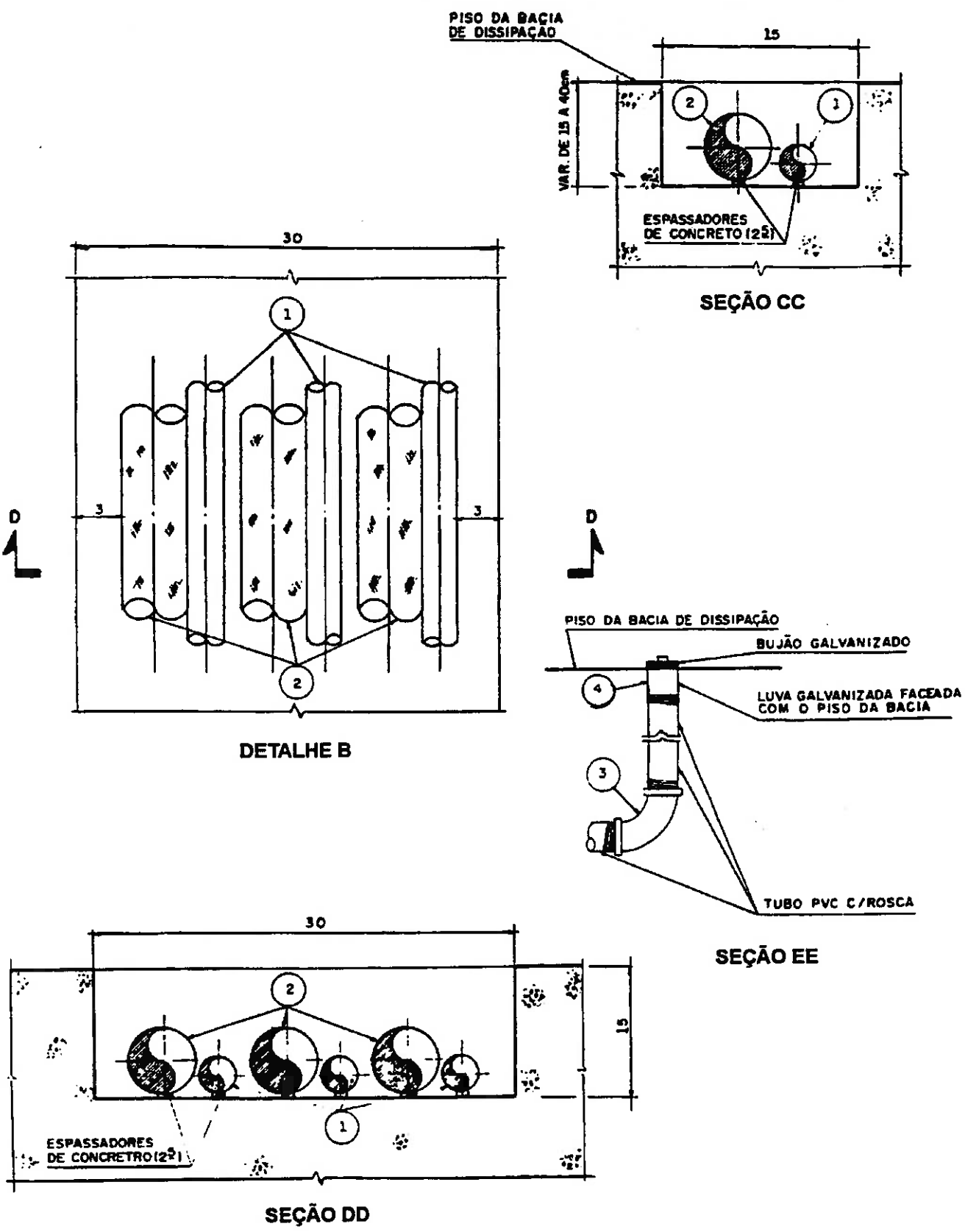


Figura 4 - Análise Espectral - canal 1 - Transdutor DA

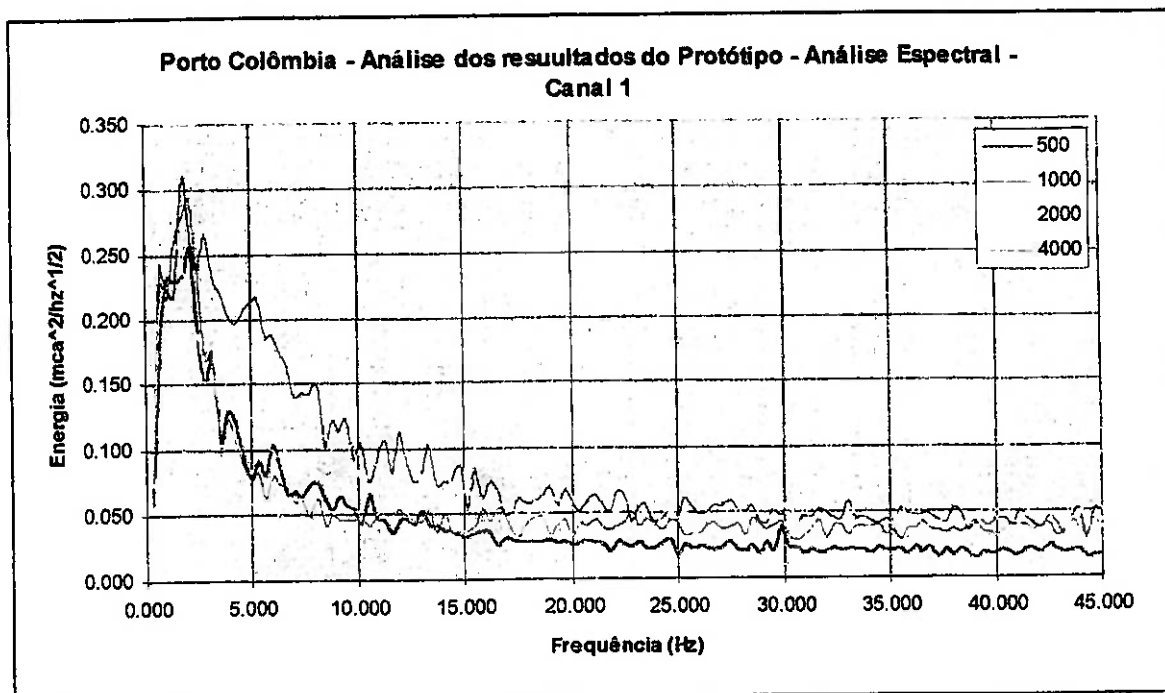


Figura 5 - Análise Espectral - canal 2 - Transdutor DB

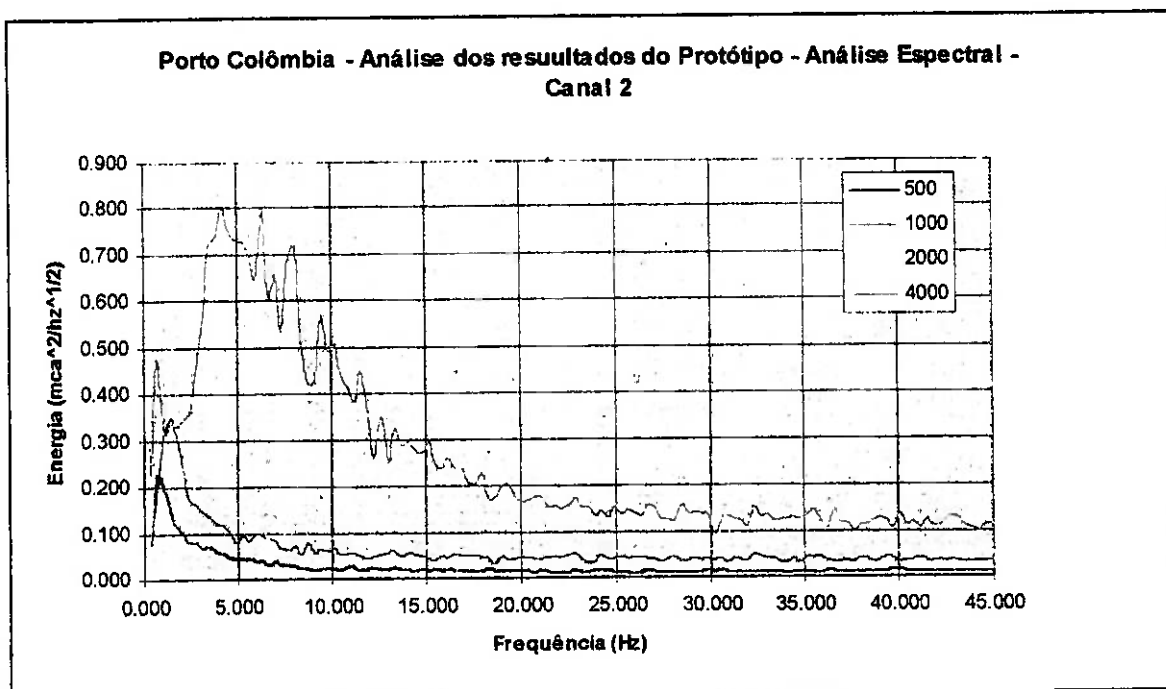


Figura 6 - Análise Espectral - canal 3 - Transdutor DC

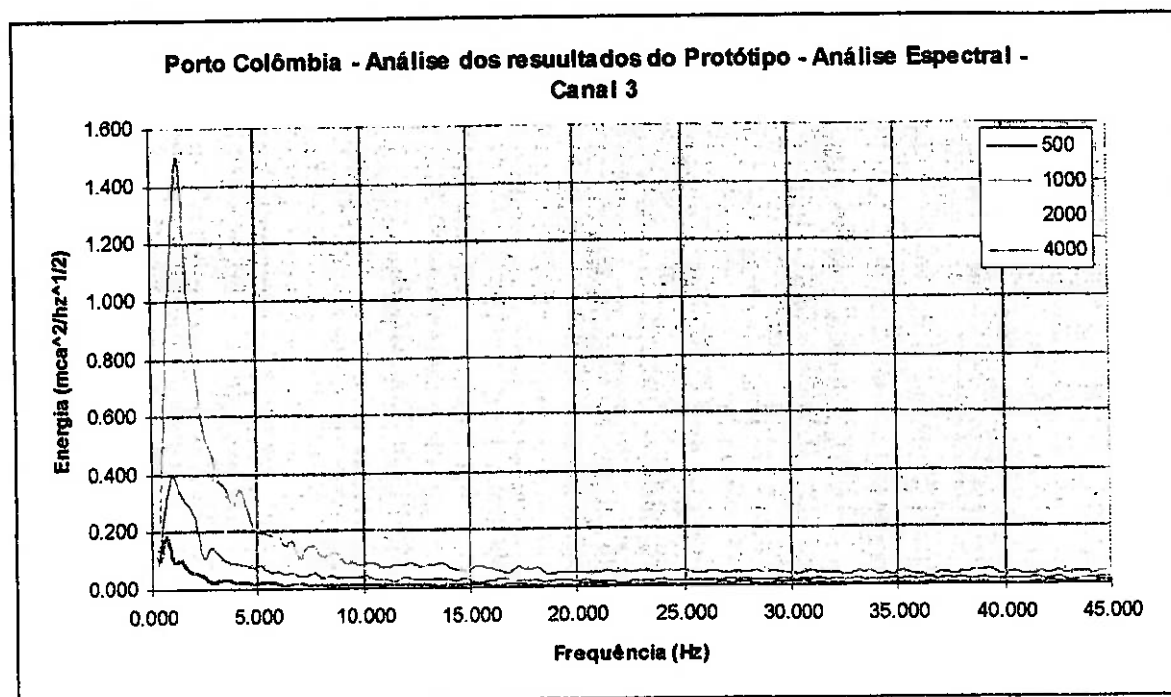


Figura 7 - Análise Espectral - canal 4 - Transdutor D1

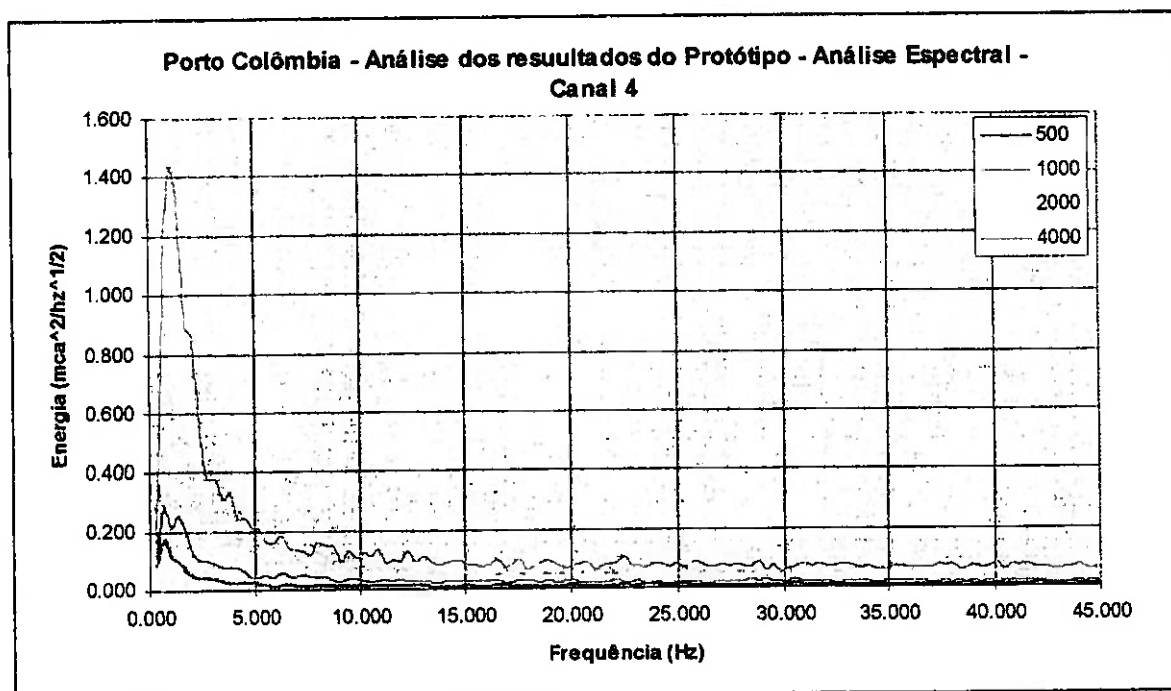


Figura 8 - Análise Espectral - canal 5 - Transdutor D3

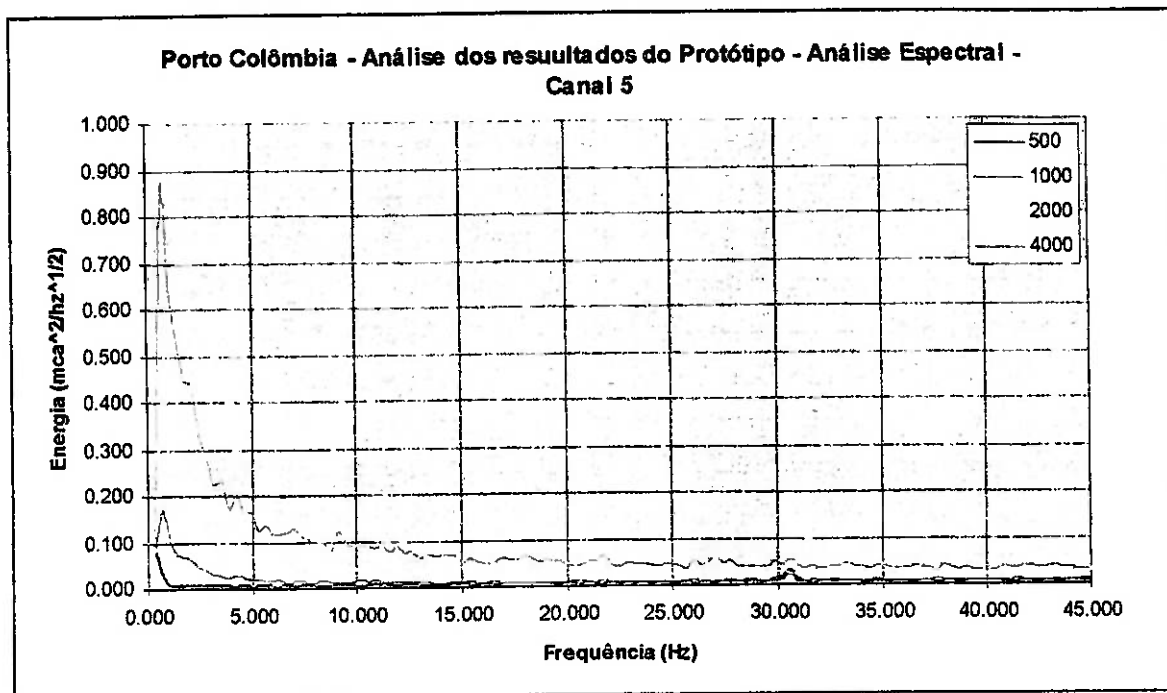


Figura 9 - Análise Espectral - canal 6 - Transdutor D5

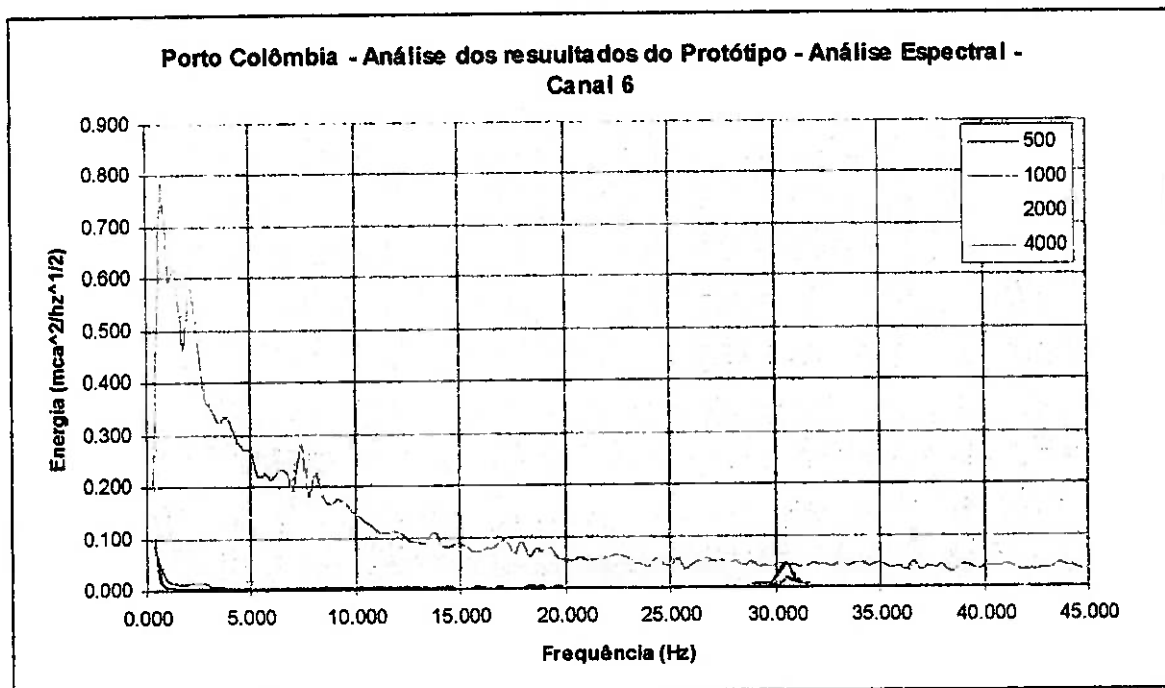


Figura 10 - Análise Espectral - canal 7 - Transdutor D7

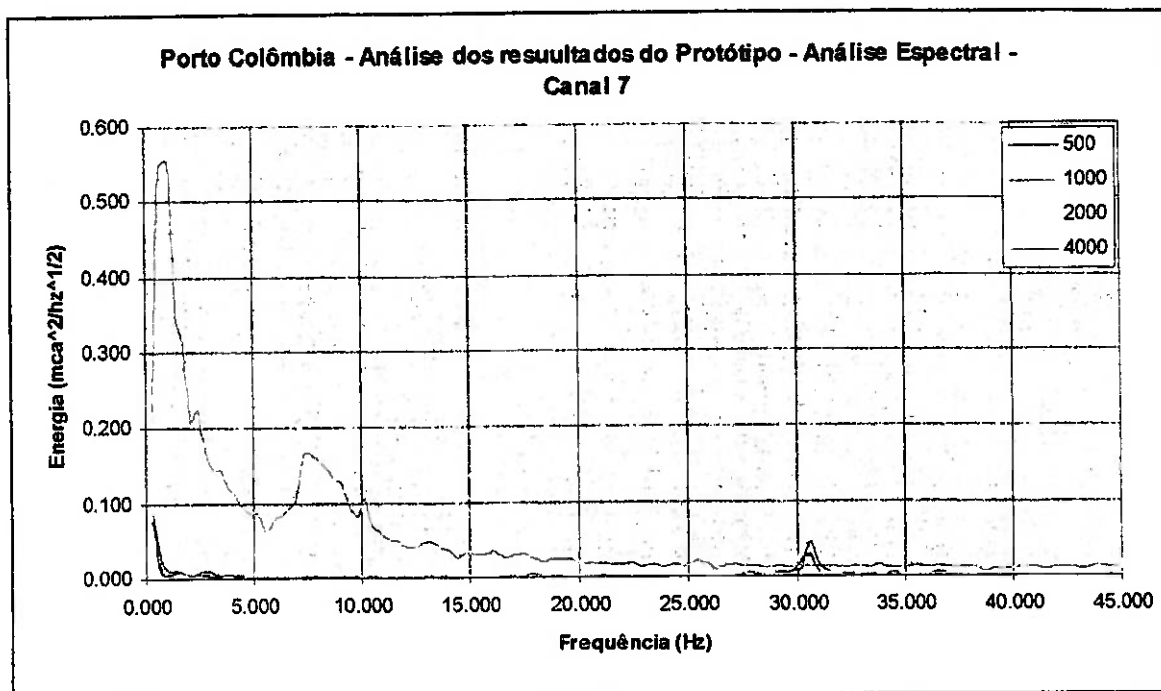


Figura 11 - Amplitudes de Flutuações de Pressão

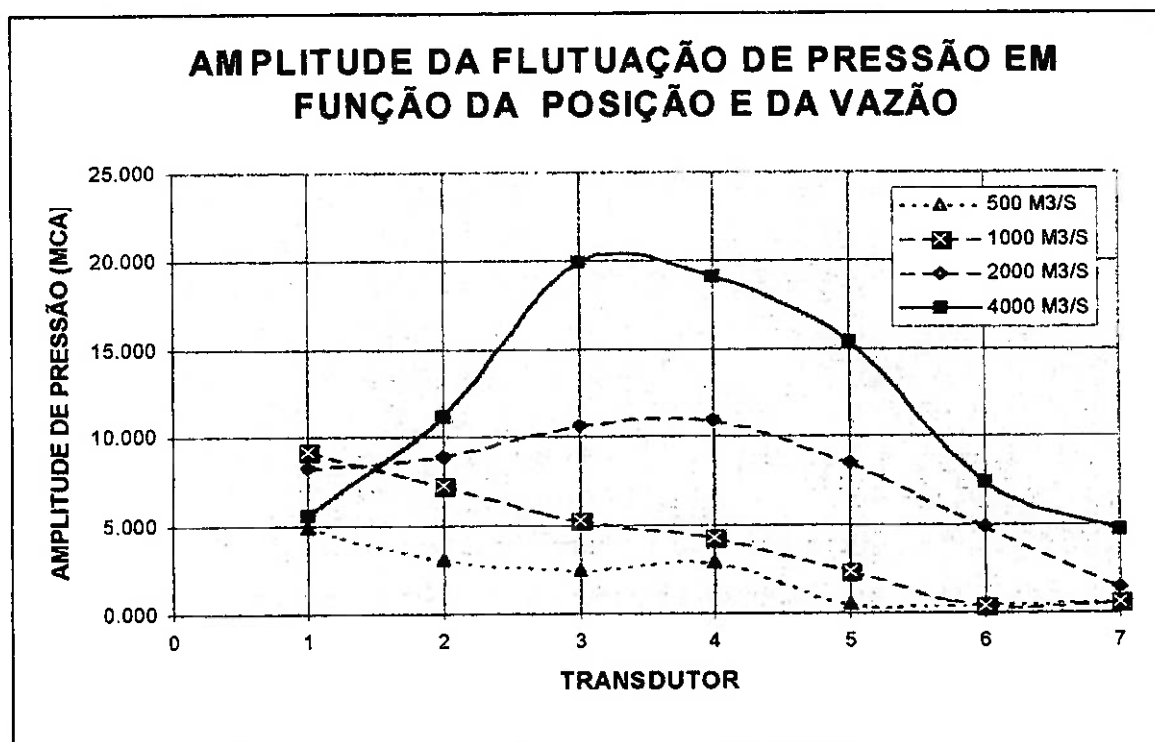


Figura 12 - PRESSÕES MÁXIMAS, MÉDIAS E MÍNIMAS, AO LONGO DO VERTEDEDOR Q = 2000 m3/s

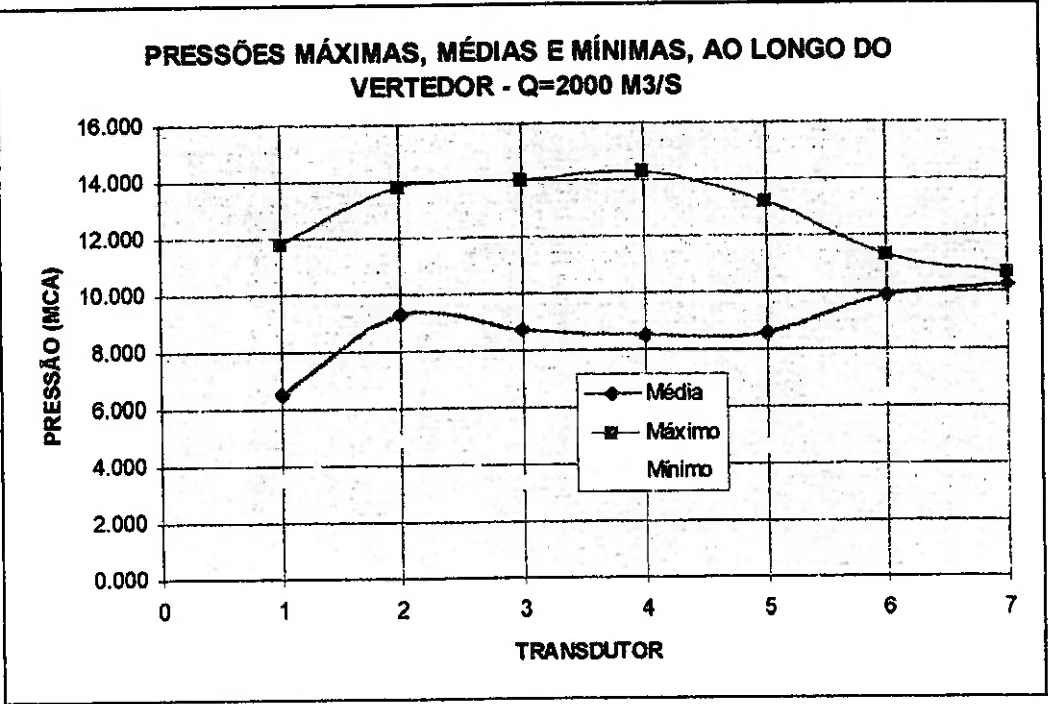
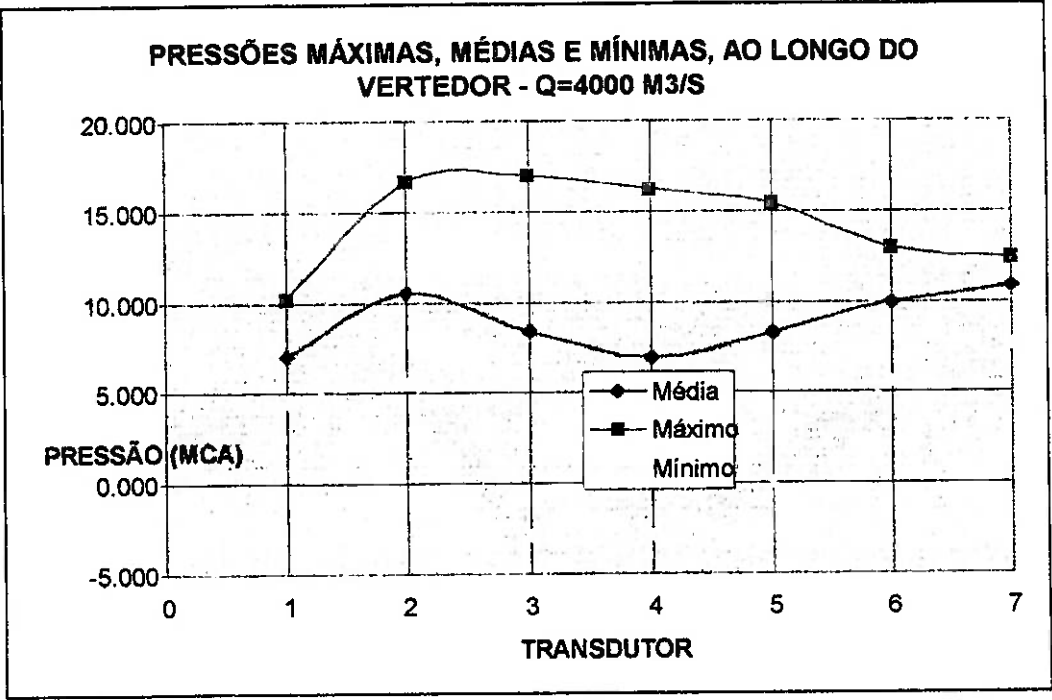


Figura 13 - PRESSÕES MÁXIMAS, MÉDIAS E MÍNIMAS, AO LONGO DO VERTEDEDOR Q = 4000 m3/s



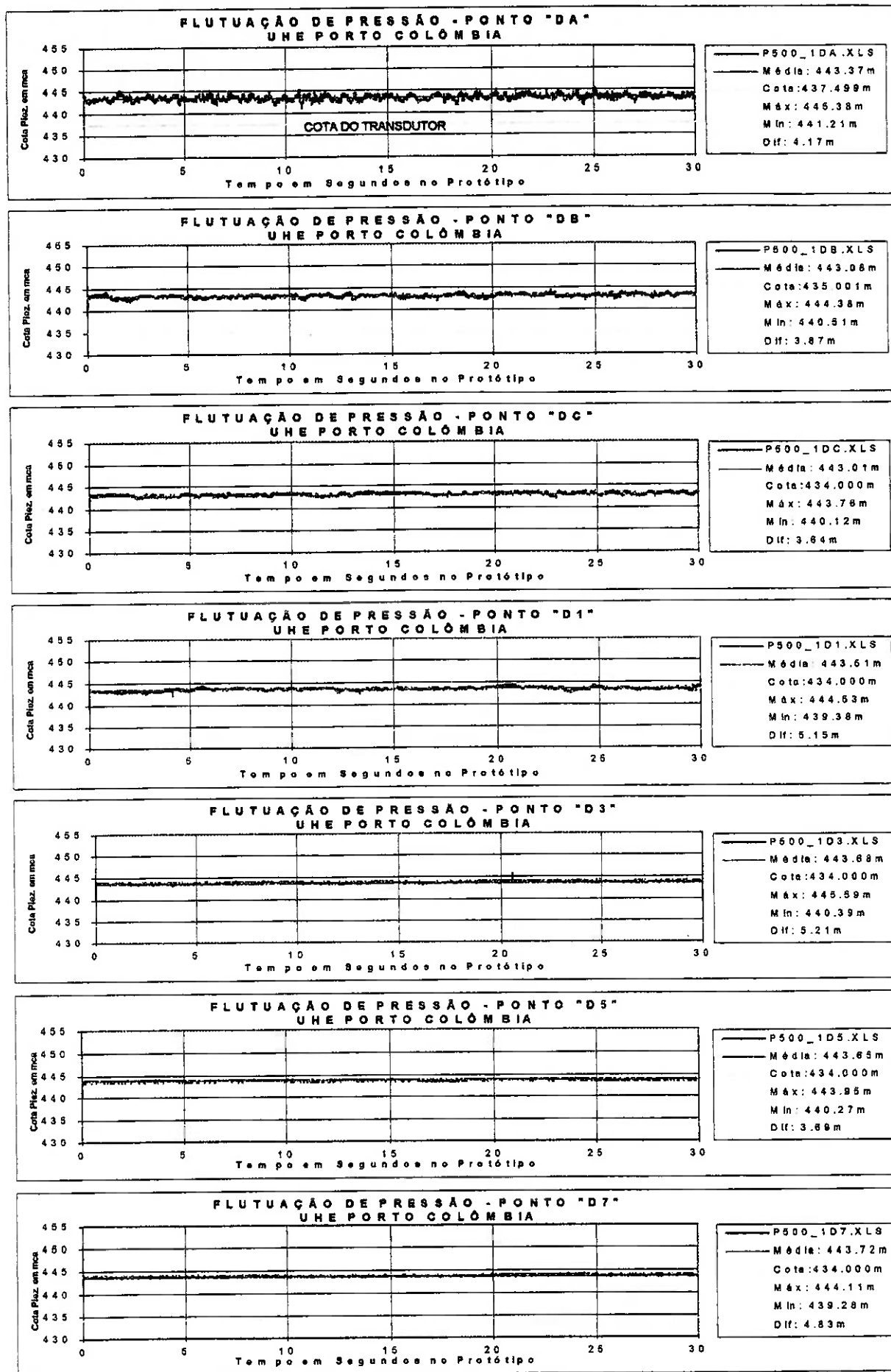


FIGURA 14 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE $500 \text{ m}^3/\text{s}$ - AQUISIÇÃO 1
Resultados do protótipo

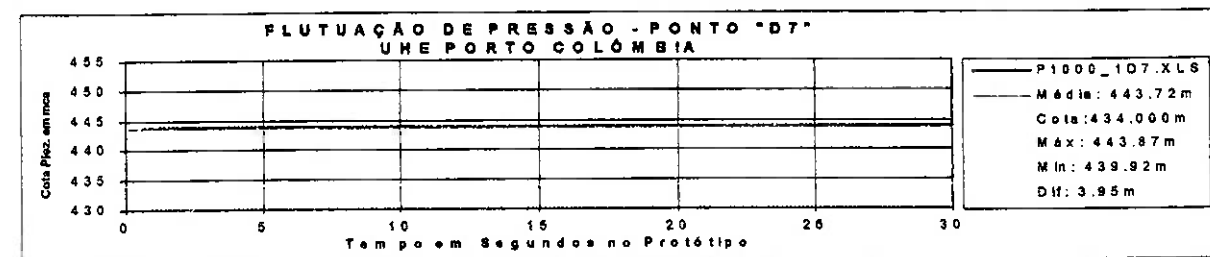
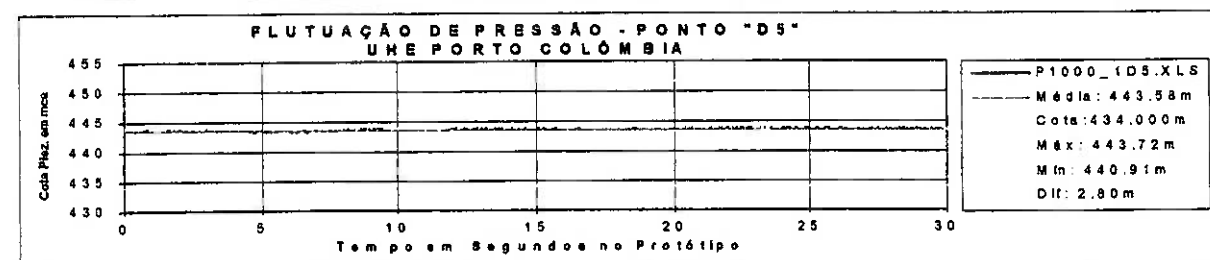
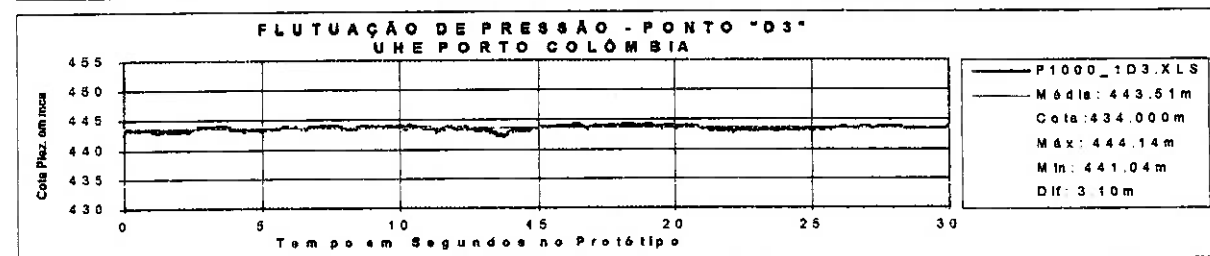
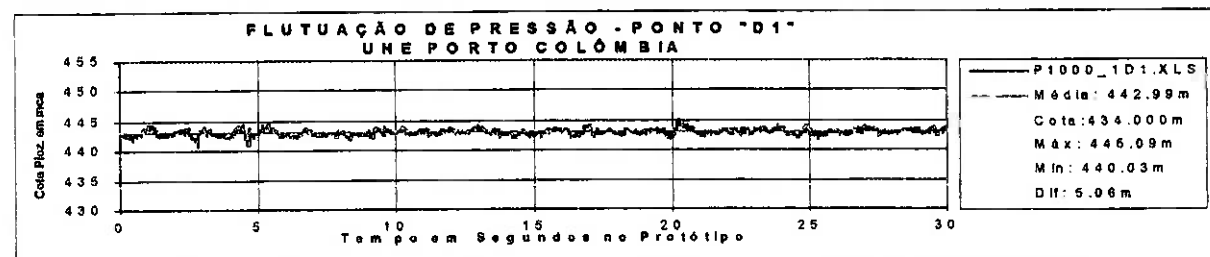
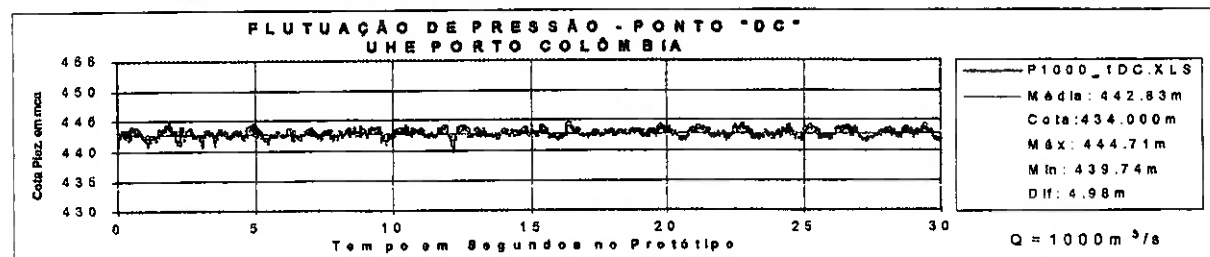
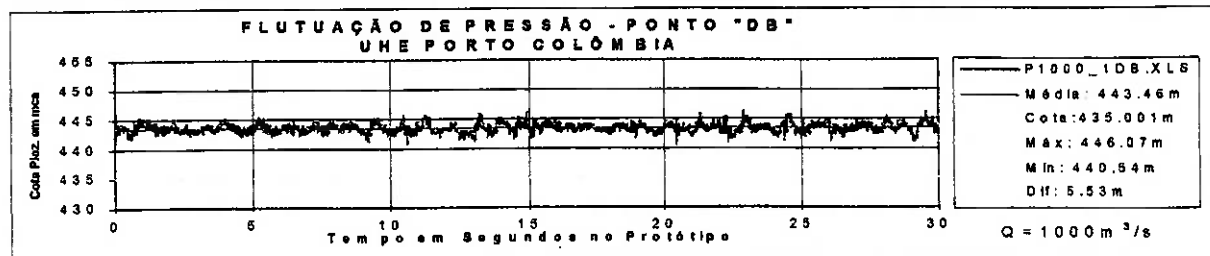
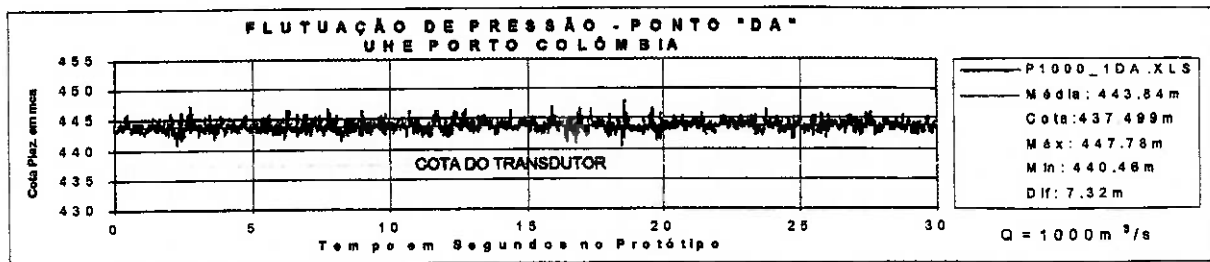


FIGURA 15 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE 1000 m³/s - AQUISIÇÃO 1
Resultados do protótipo

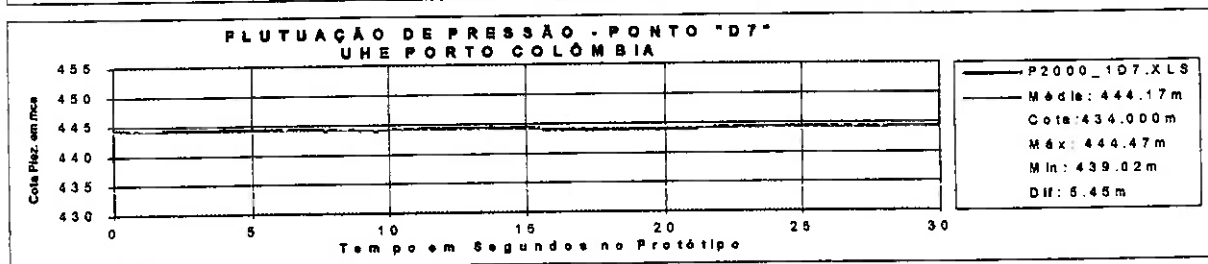
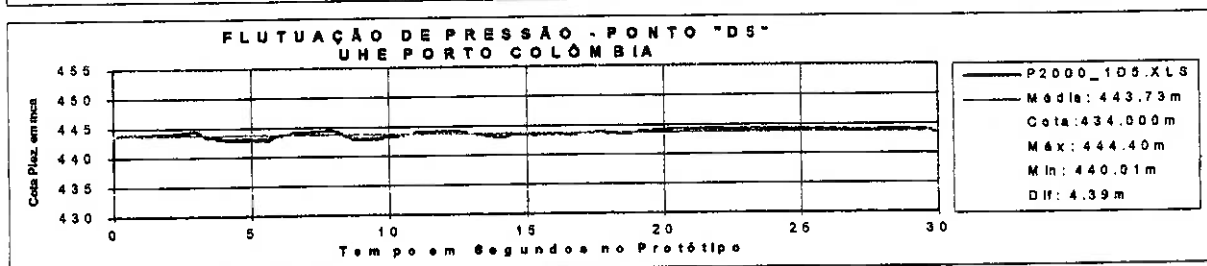
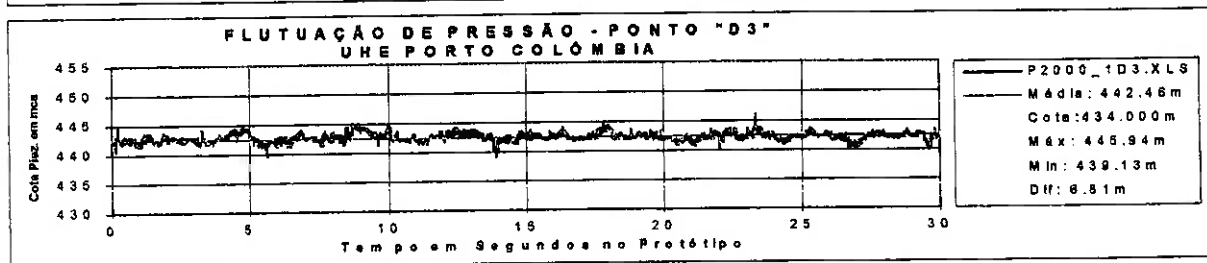
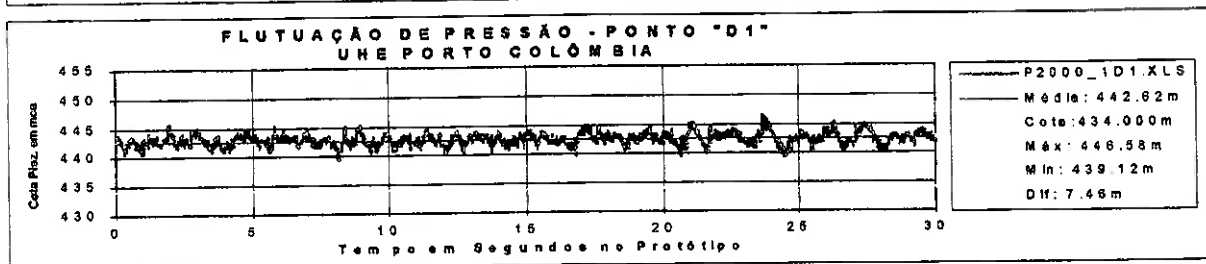
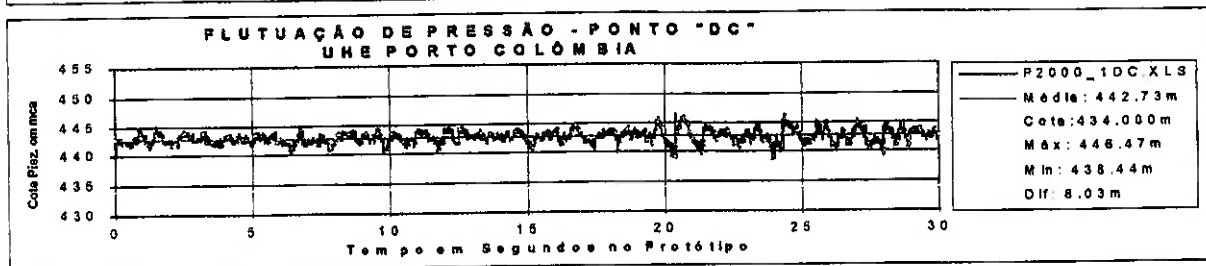
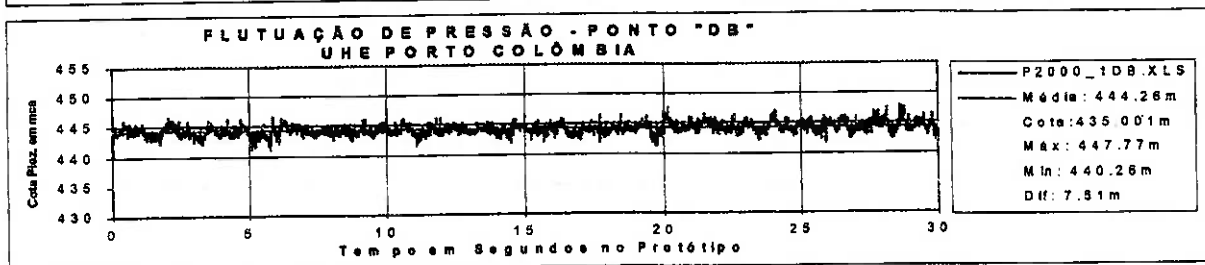
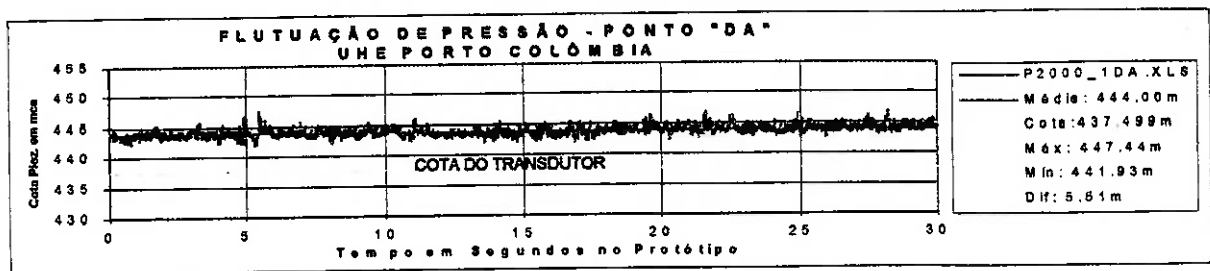


FIGURA 16 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE 2000 m³/s - AQUISIÇÃO 1
Resultados do protótipo

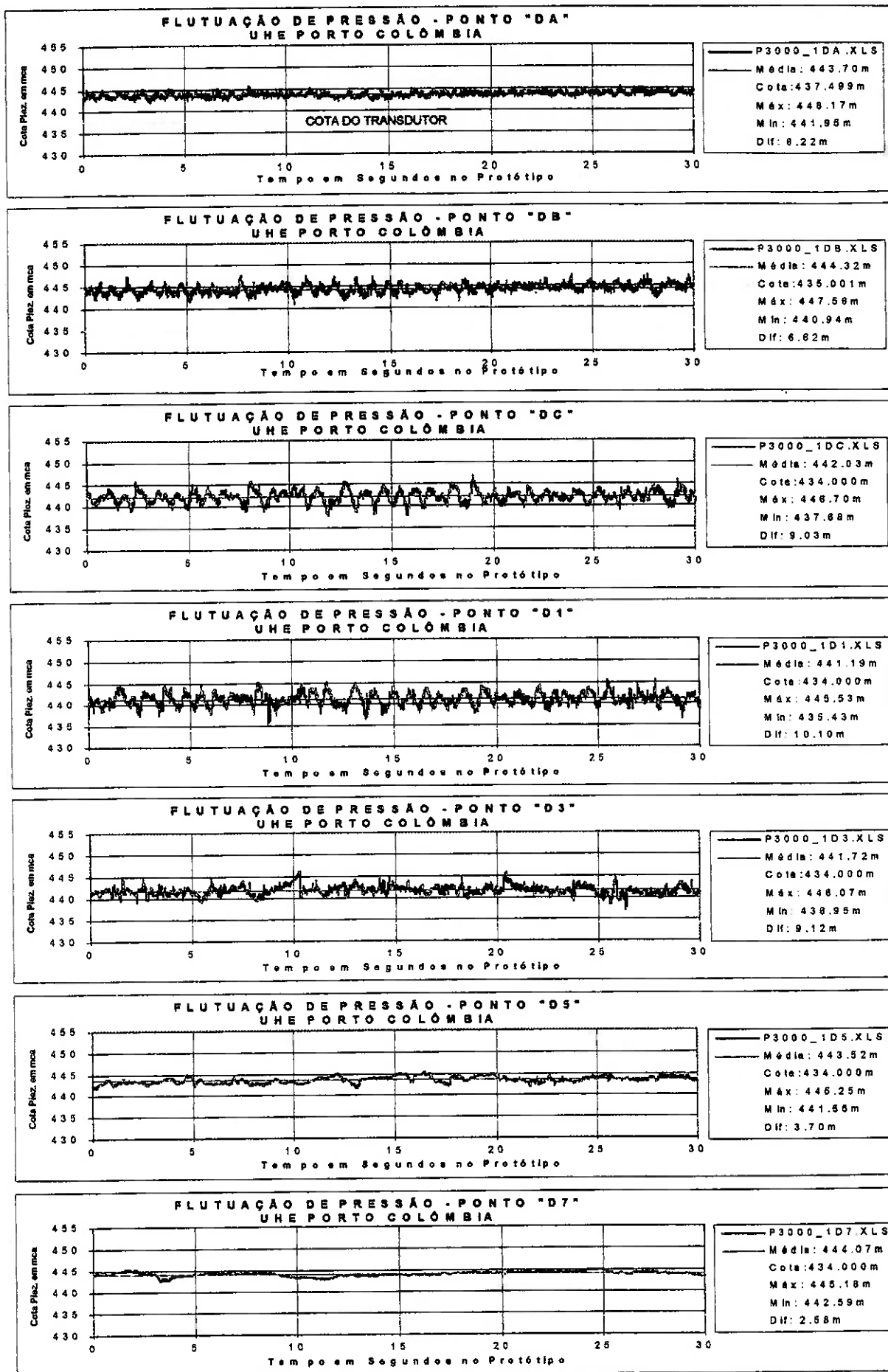


FIGURA 17 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE 3000 m³/s - AQUISIÇÃO 1
Resultados do protótipo

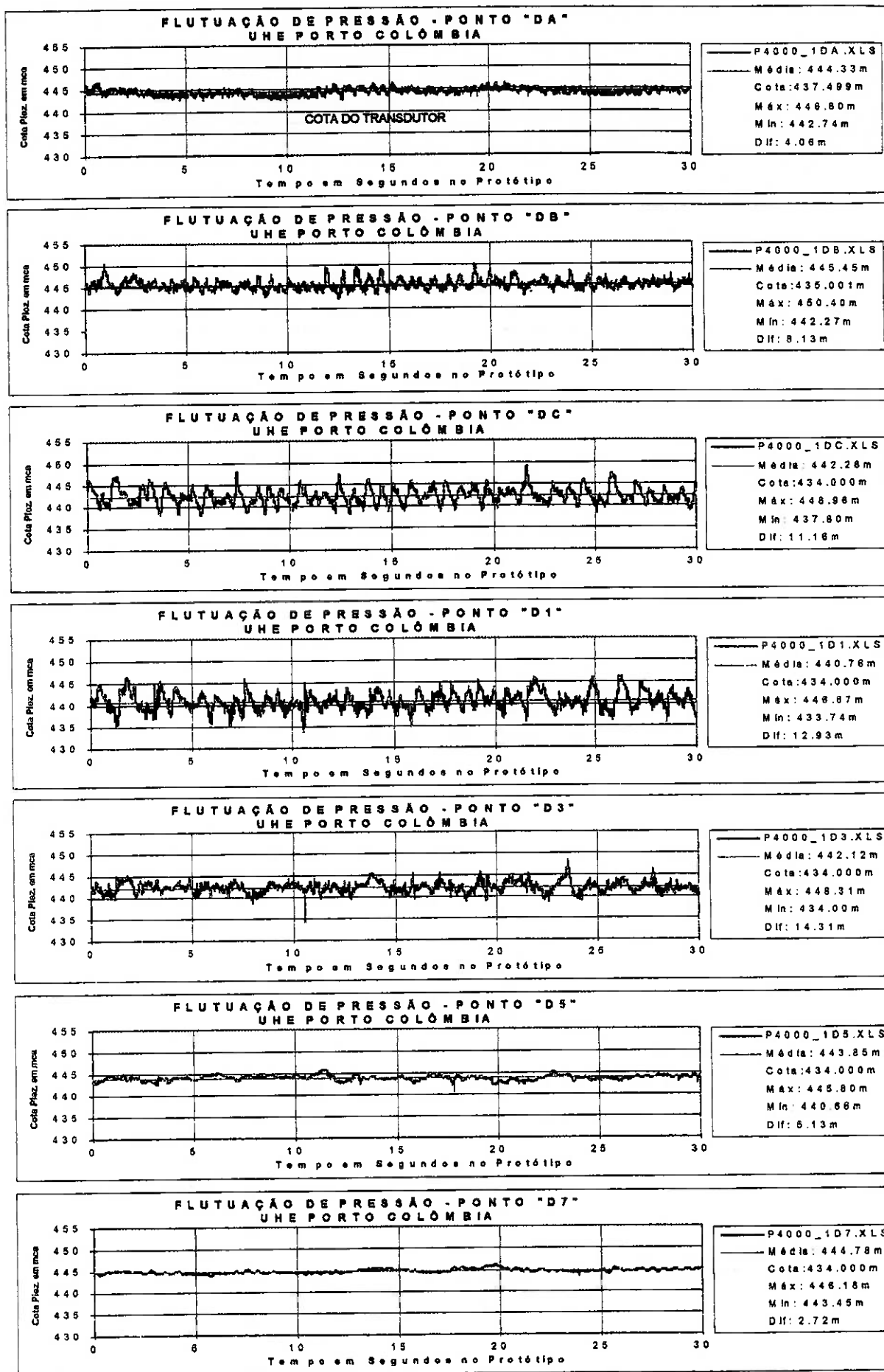


FIGURA 18 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE 4000 m³/s - AQUISIÇÃO 1
 Resultados do protótipo

Alumbrado

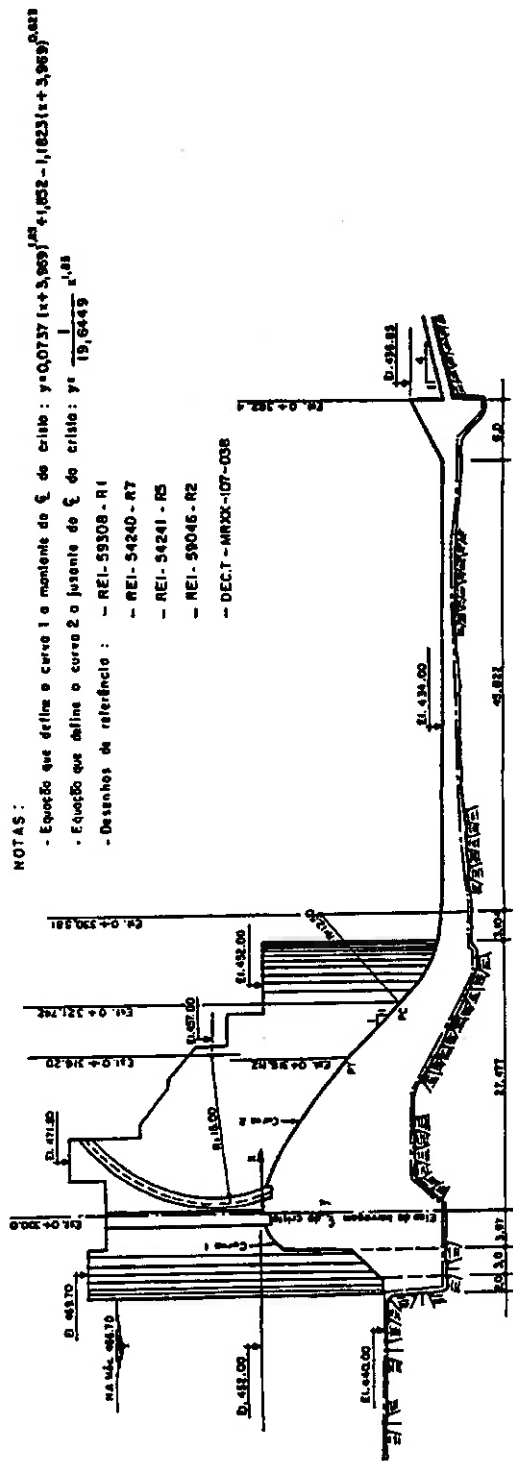
Trasquilador de techo perforado

RESTAURADO

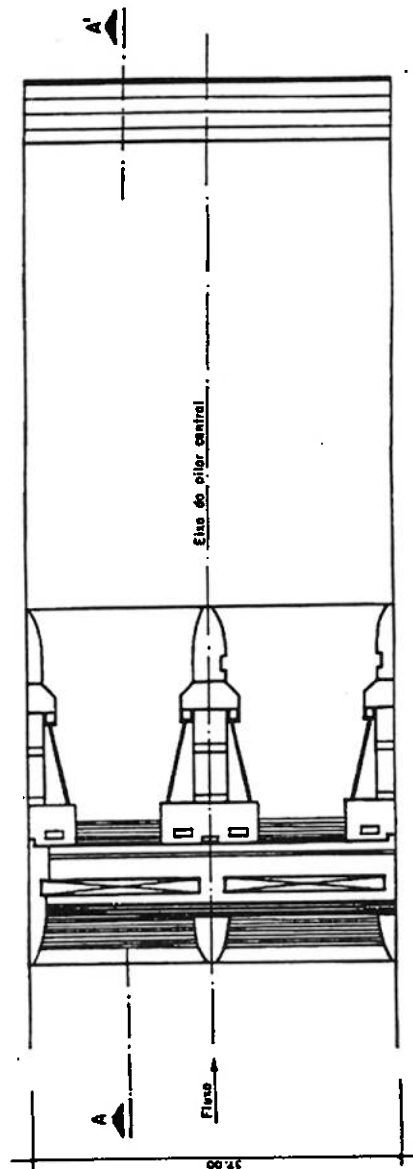
[illegible]

PLANTA

**FIGURA 20 - CONFIGURAÇÃO DO VERTEDOIRO E DA BACIA DE DISSIPAÇÃO NO
MODELO BIDIMENSIONAL DO VERTEDOIRO - ESCALA 1:40**

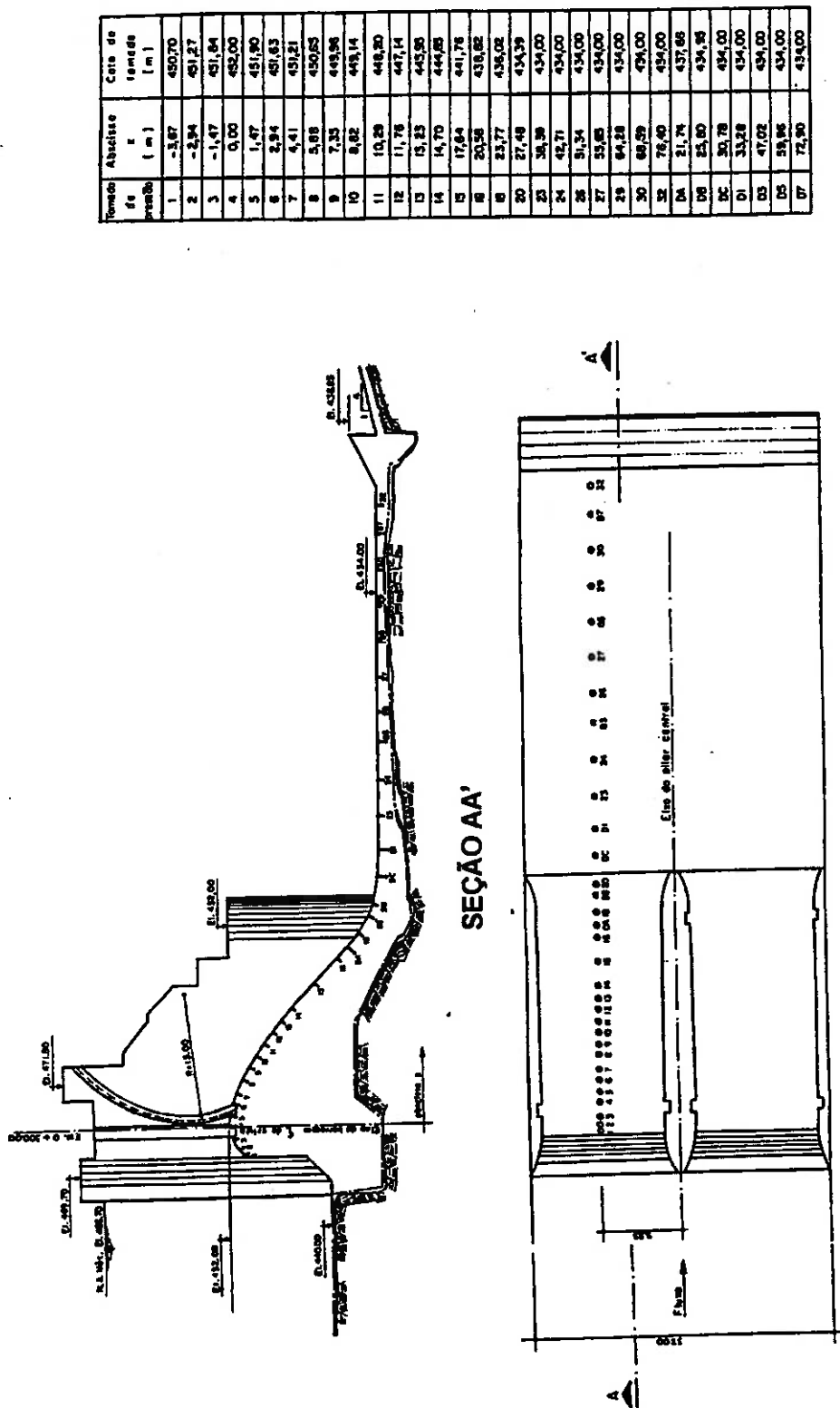


SEÇÃO AA'



PLANTA

FIGURA 21 - LOCALIZAÇÃO DAS TOMADAS DE PRESSÃO NO
MODELO BIDIMENSIONAL DO VERTEDOURO - ESCALA 1:40



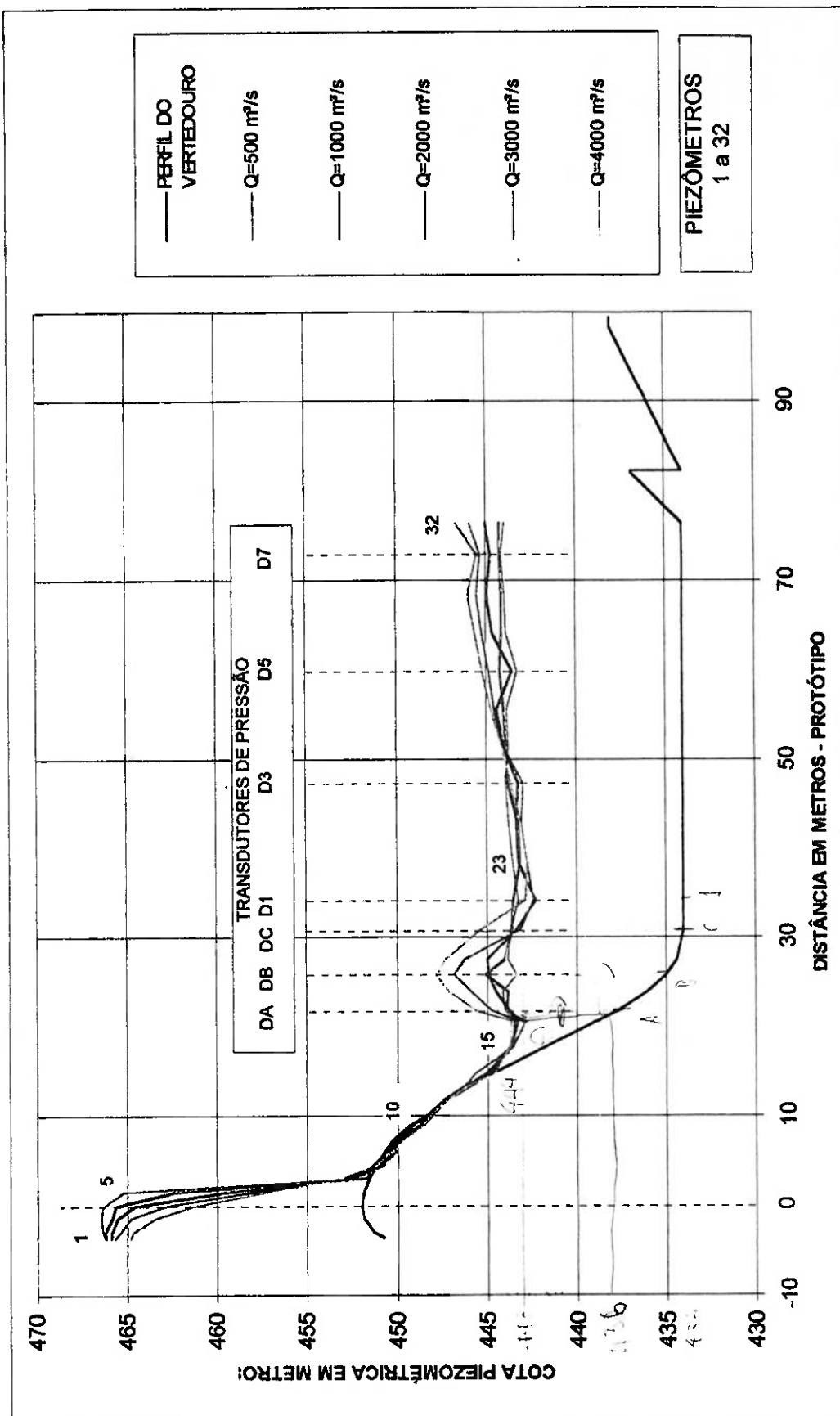


FIGURA 22 - DISTRIBUIÇÃO DAS PRESSÕES MÉDIAS AO LONGO DO VERTEDOIRO - AQUISIÇÃO 1

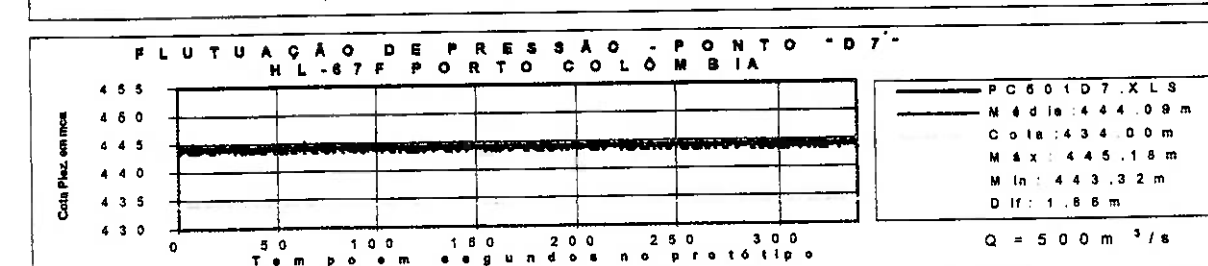
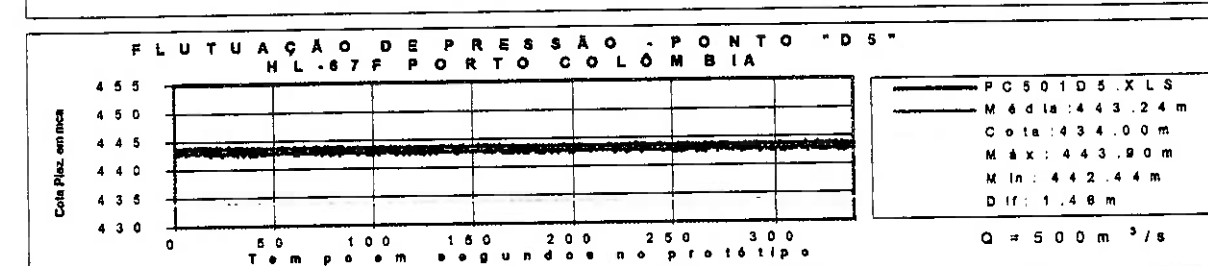
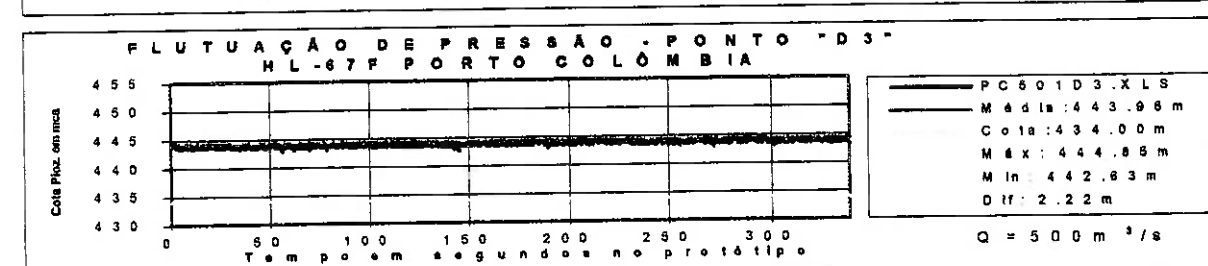
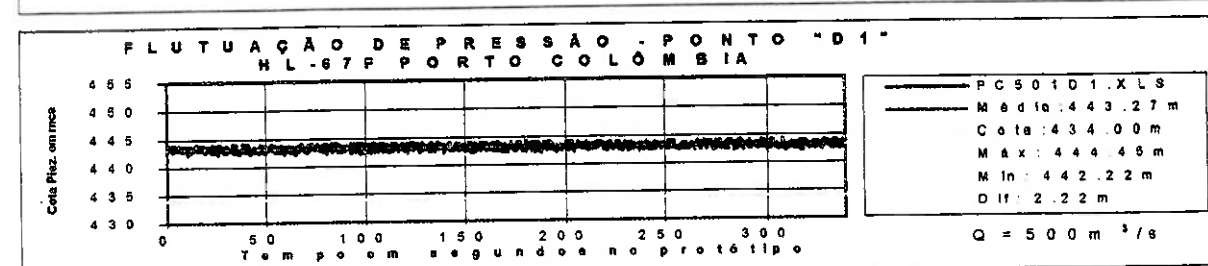
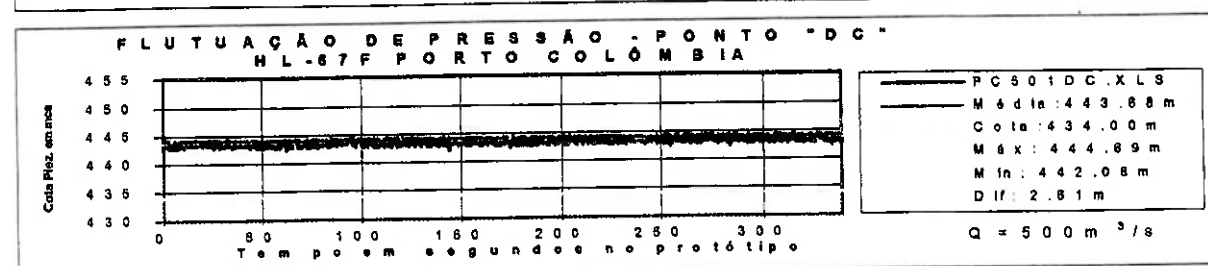
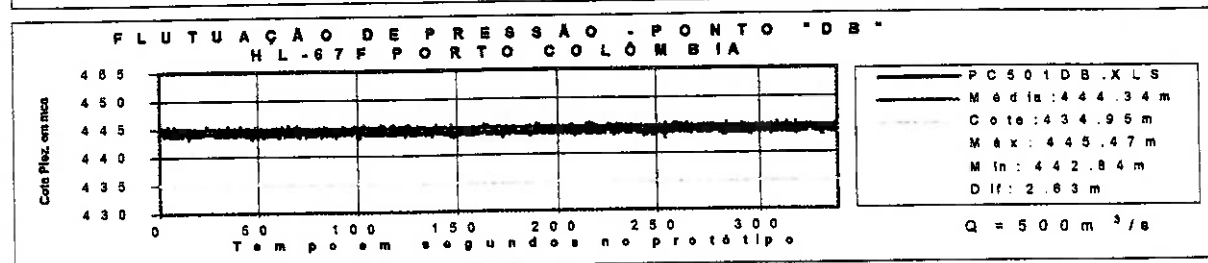
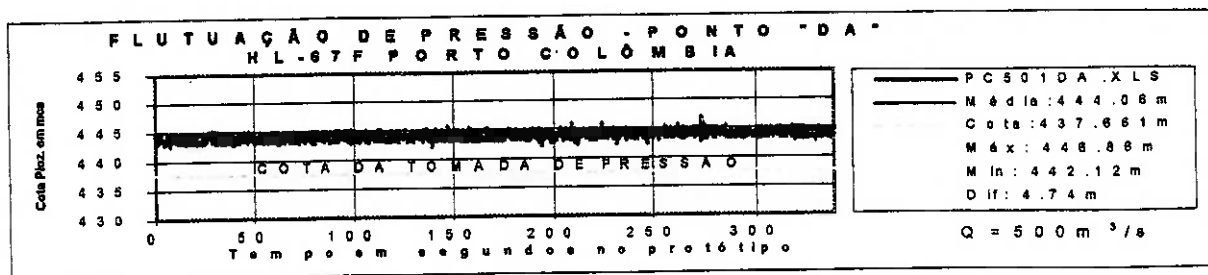


FIGURA 23 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE 500 m³/s - AQUISIÇÃO 1
Resultados do modelo - escala 1:40

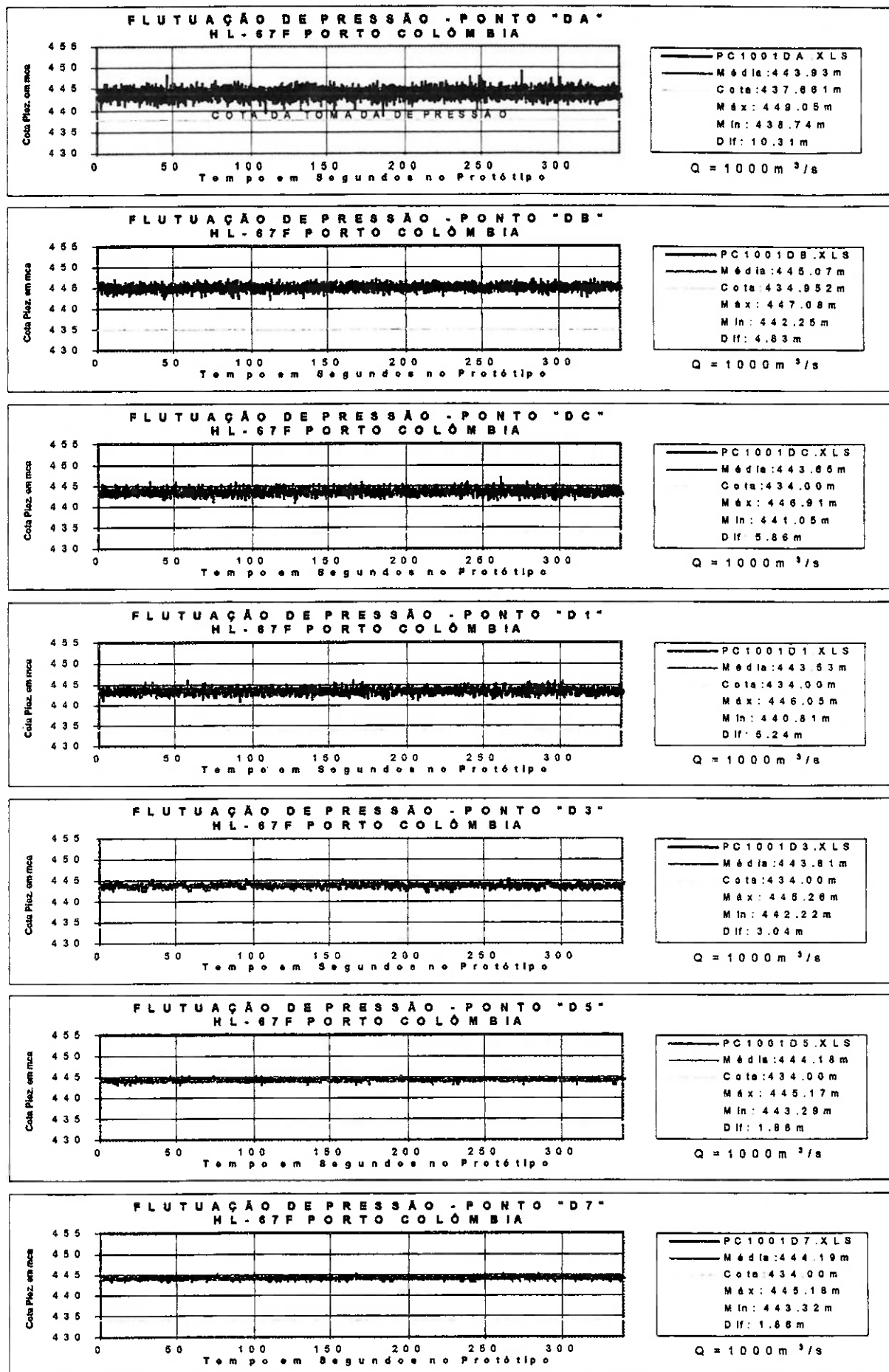


FIGURA 24 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE $1000 \text{ m}^3/\text{s}$ - AQUISIÇÃO 1
 Resultados do modelo - escala 1:40

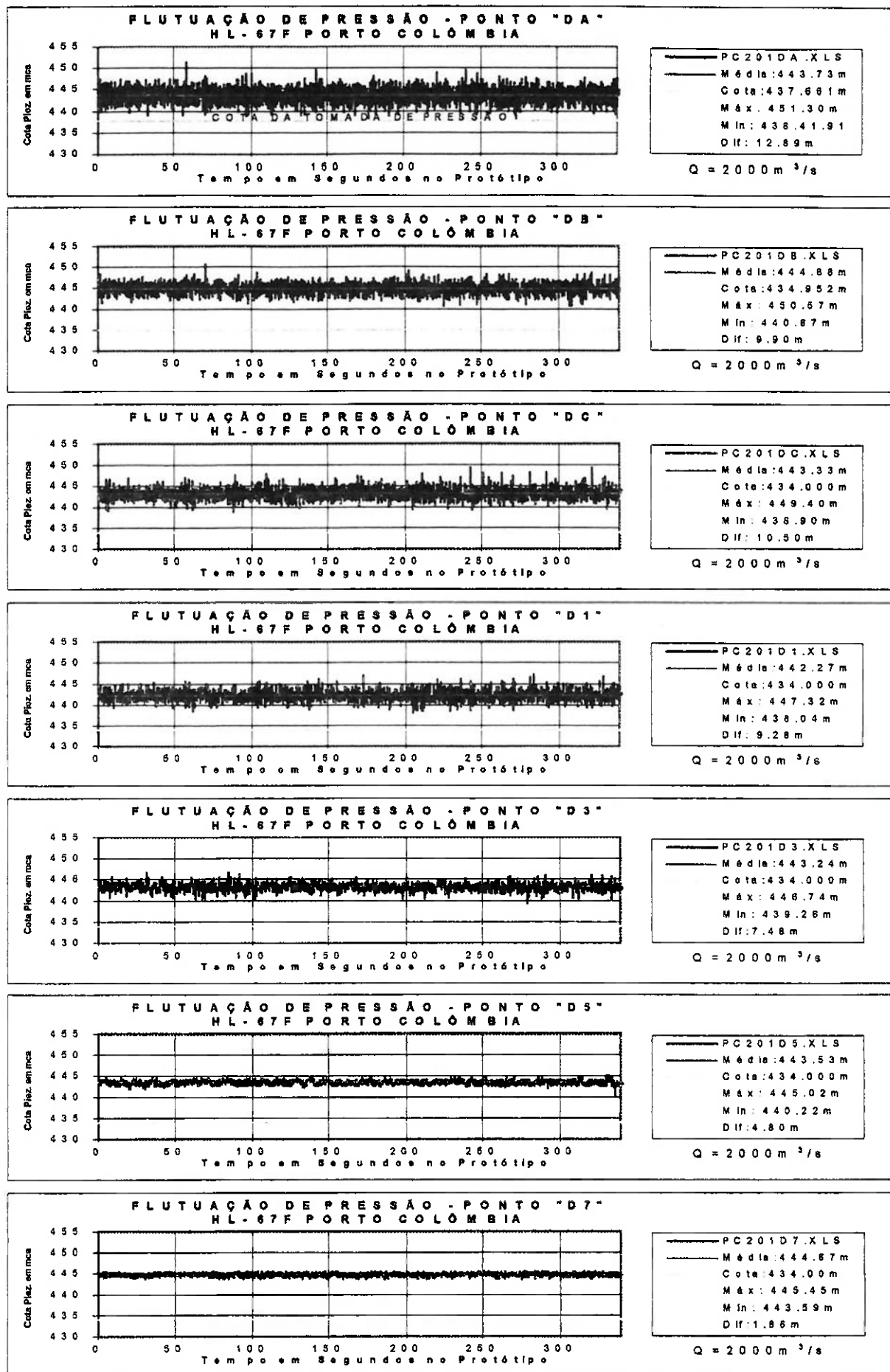


FIGURA 25 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE 2000 m³/s - AQUISIÇÃO 1
 Resultados do modelo - escala 1:40

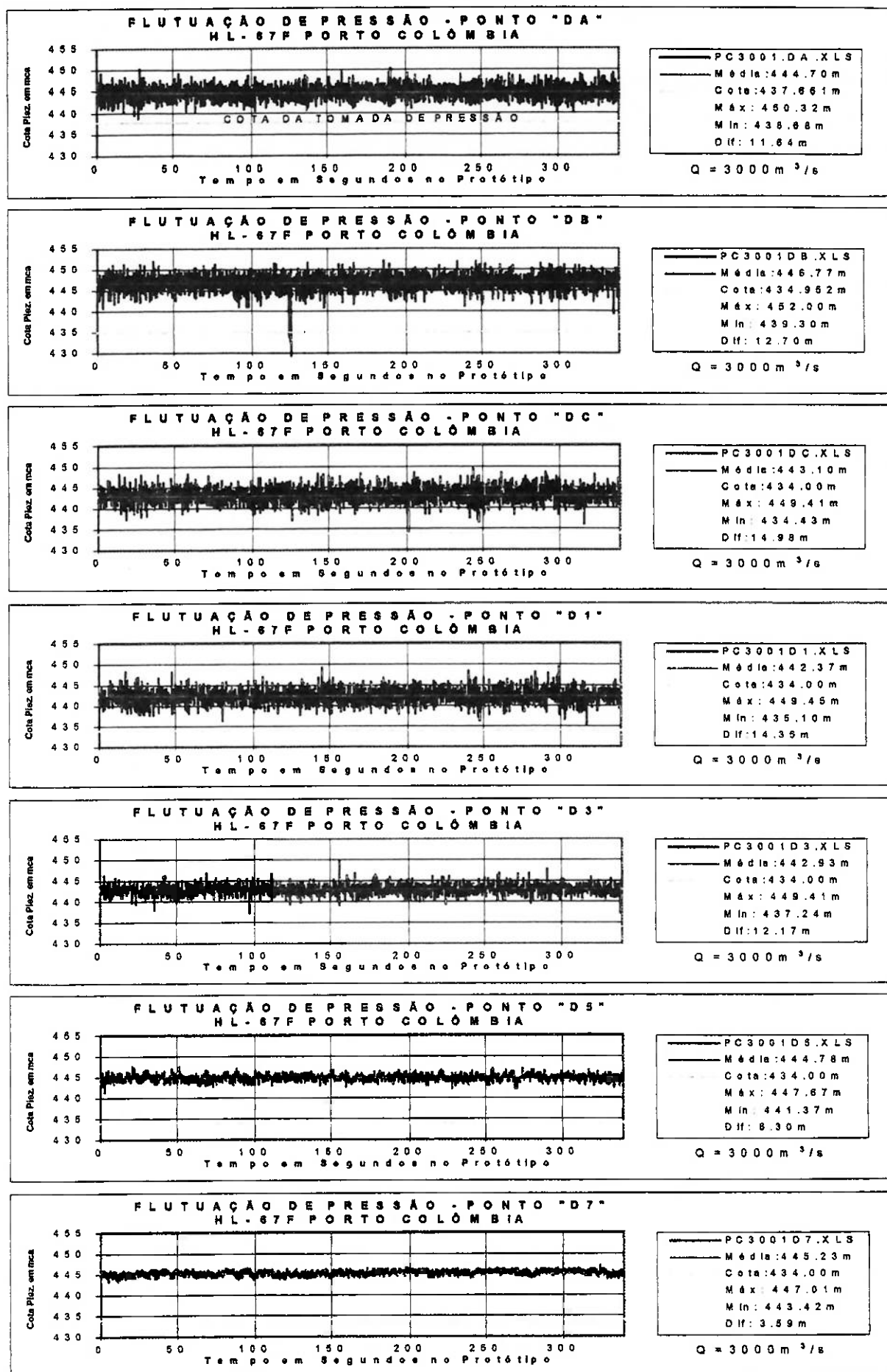


FIGURA 26 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE $3000 \text{ m}^3/\text{s}$ - AQUISIÇÃO 1
Resultados do modelo - escala 1:40

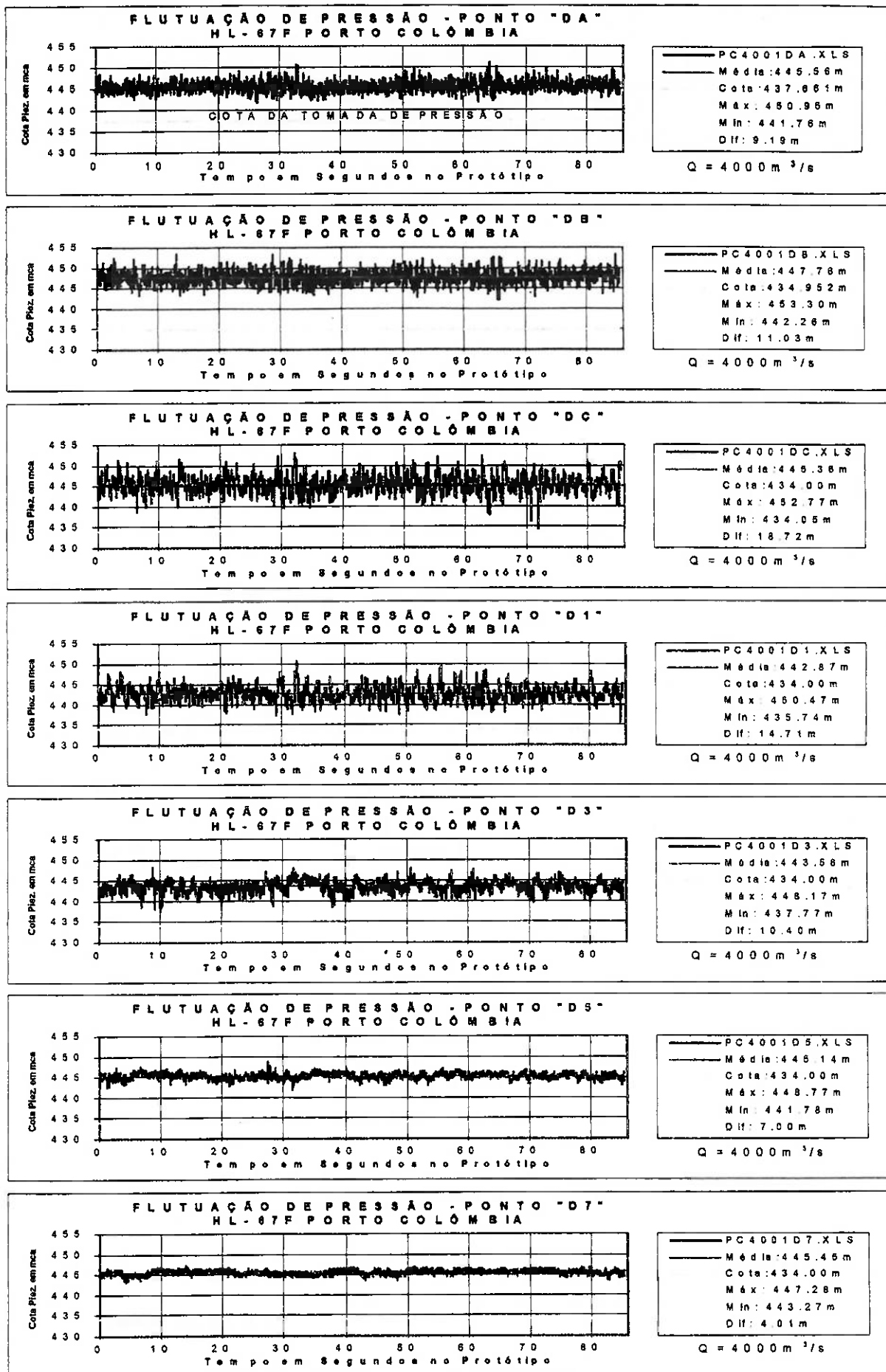


FIGURA 27 - FLUTUAÇÃO DE PRESSÃO PARA A VAZÃO DE 4000 m³/s - AQUISIÇÃO 1
Resultados do modelo - escala 1:40

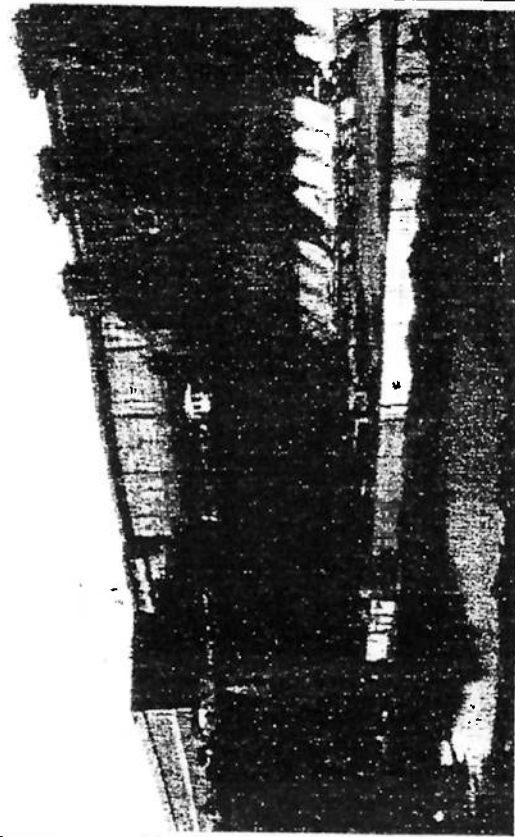


FOTO 1 - Bacia ensecada - Vãos 1 e 2 do vertedouro - Muro lateral direito da bacia de dissipação - Início da instalação dos pontos de medição escolhidos

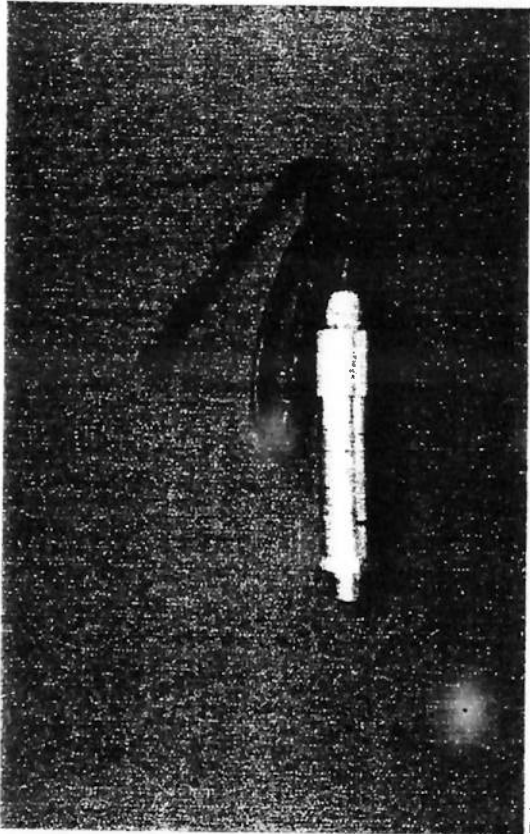


FOTO 2 - Transdutor Hytronic

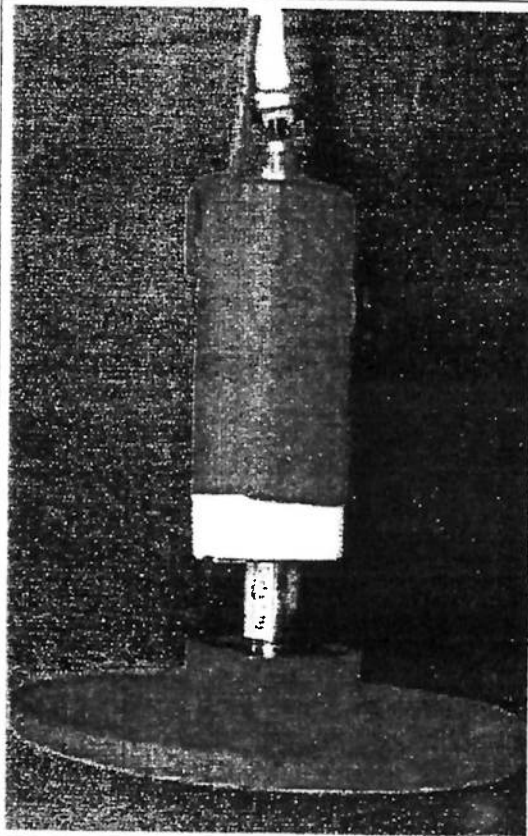


FOTO 3 - Vista da montagem do transdutor na cápsula estanque, mangueira com cabo de extensão e conexão anilhada

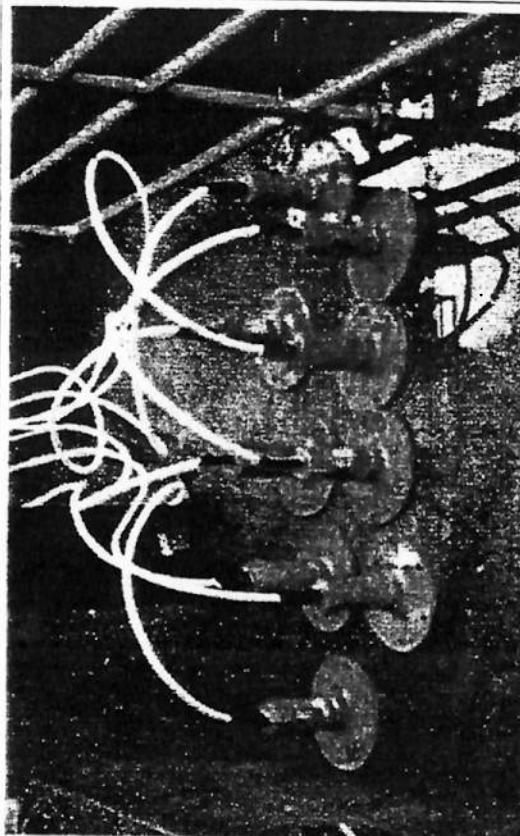


FOTO 4 - Transdutores encapsulados, observando-se o reforço na fixação das mangueiras

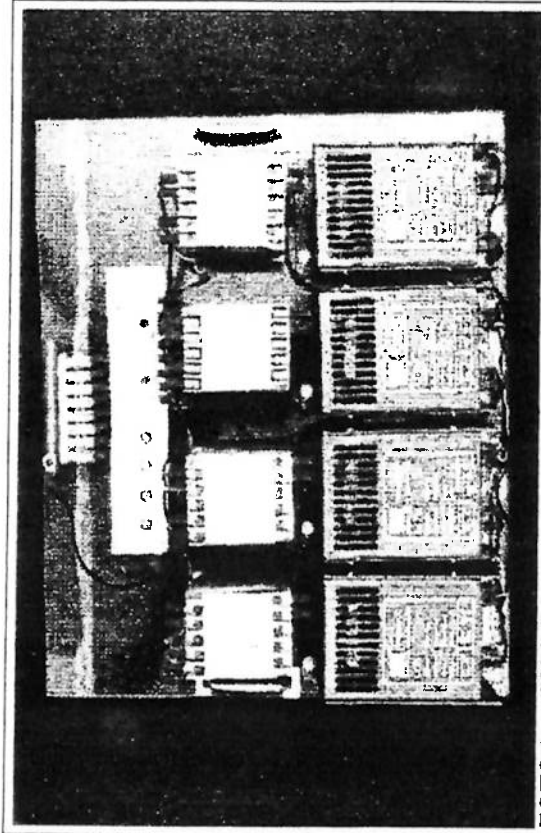


FOTO 5 - Módulo montado com fontes, conversores e conectores de entrada e saída de sinais



FOTO 6 - Sistema de aquisição (FURNAS/FC TH) montados no interior da cabine de medição

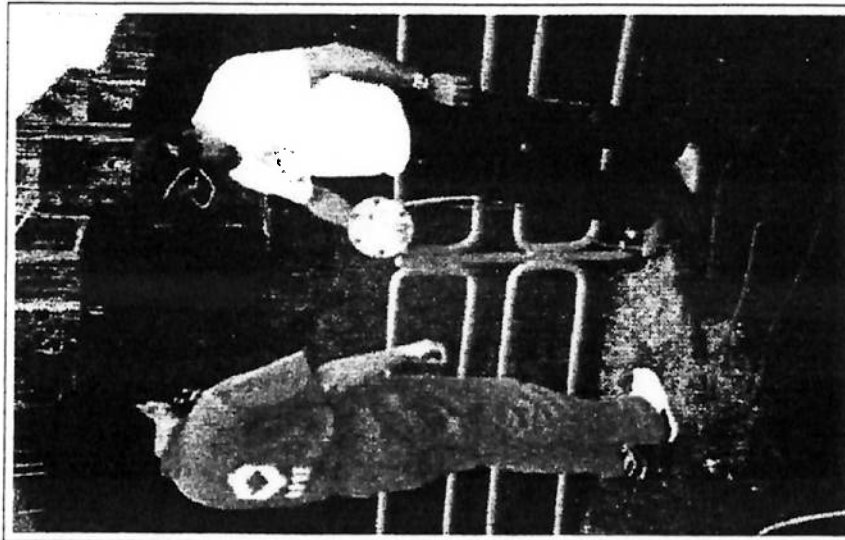


FOTO 7 - Instalação dos transdutores - Identificação do transdutor a ser instalado no ponto determinado (DA - IK-112)



FOTO 8 - Instalação dos transdutores - Apoio de superfície



FOTO 9 - Instalação dos transdutores - Comunicação com os mergulhadores

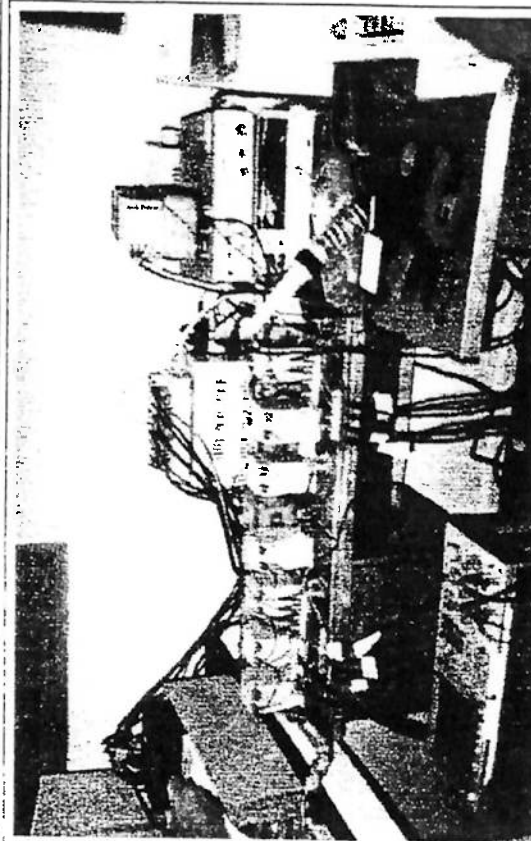
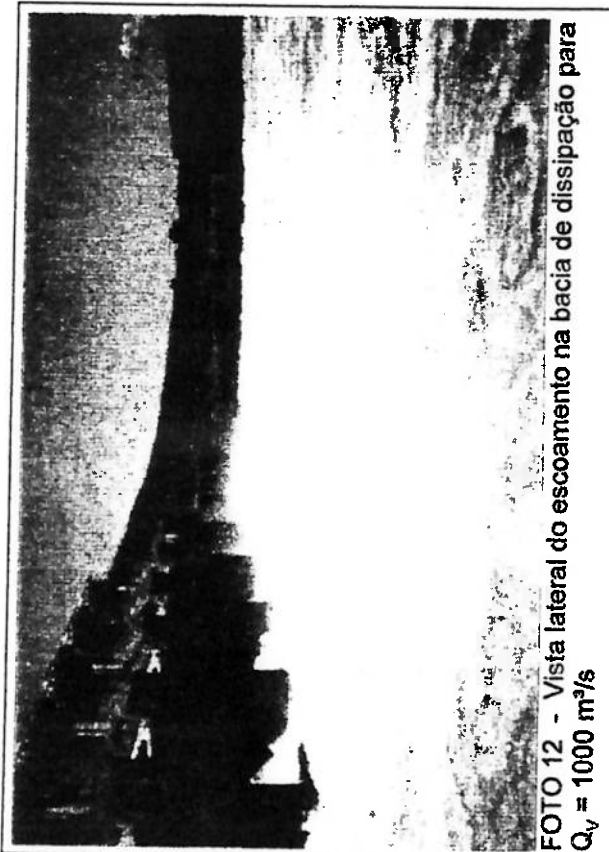
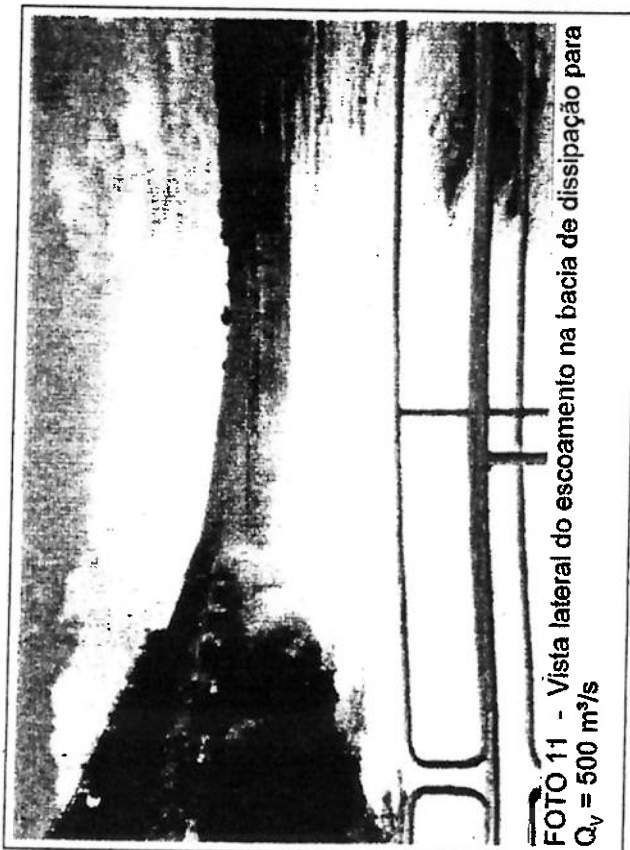


FOTO 10 - Vista dos módulos, conexões e analisador de espectro (abaixo à esquerda), no interior da cabine de medição



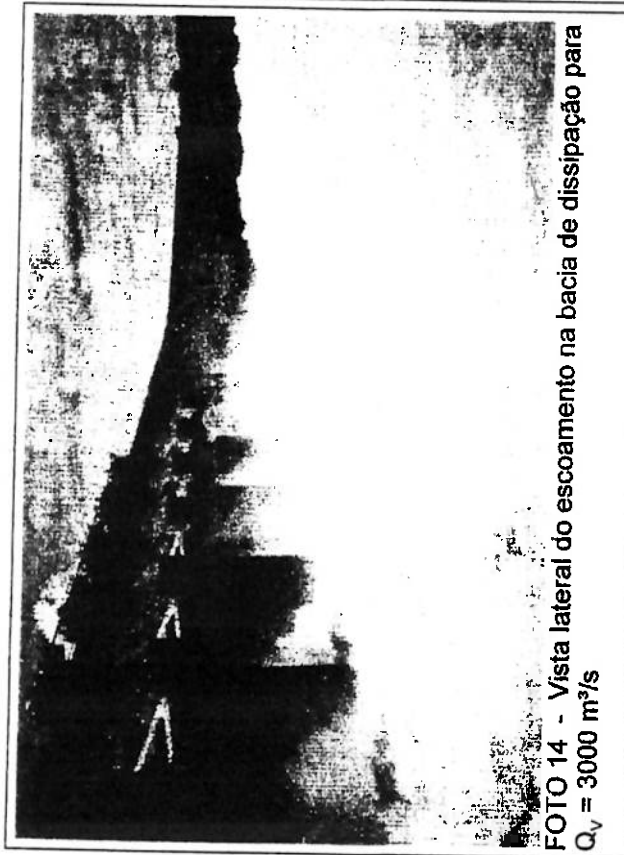


FOTO 14 - Vista lateral do escoamento na bacia de dissipação para $Q_v = 3000 \text{ m}^3/\text{s}$

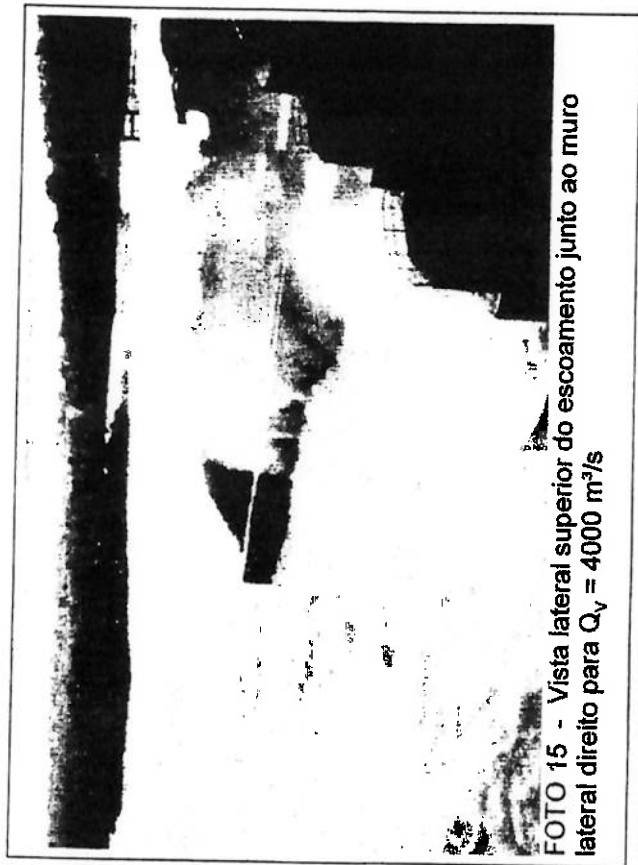


FOTO 15 - Vista lateral superior do escoamento junto ao muro lateral direito para $Q_v = 4000 \text{ m}^3/\text{s}$

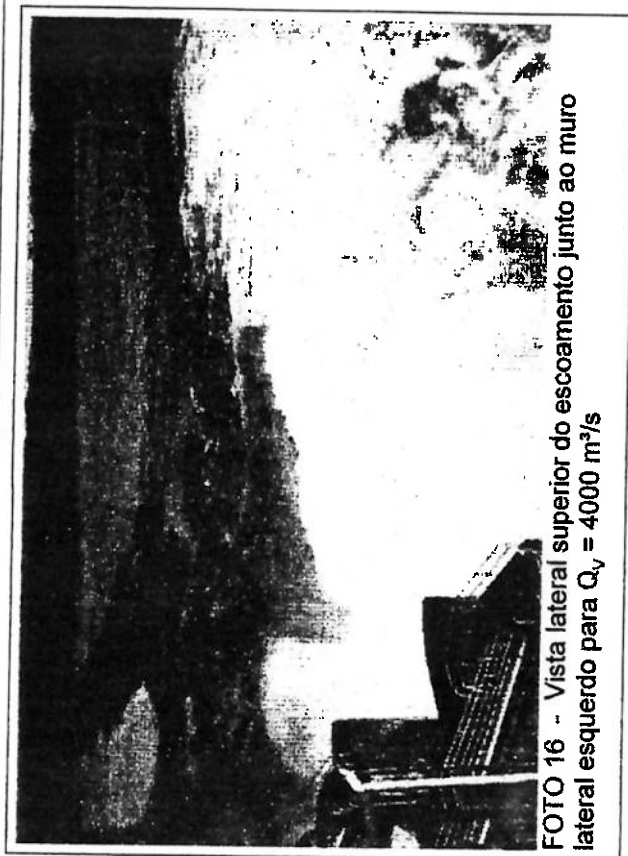


FOTO 16 - Vista lateral superior do escoamento junto ao muro lateral esquerdo para $Q_v = 4000 \text{ m}^3/\text{s}$

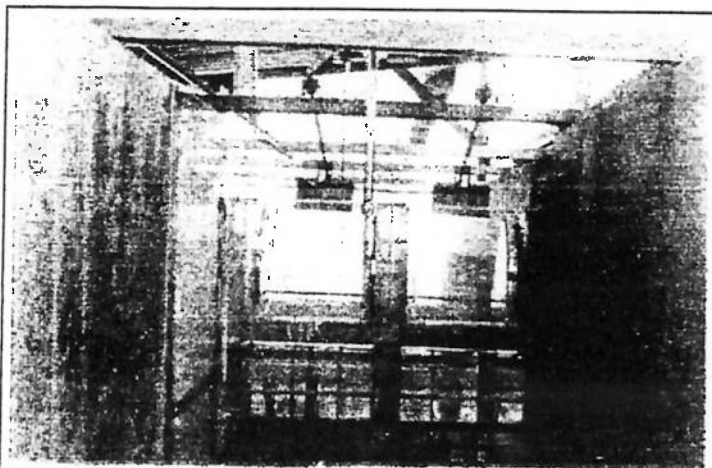


FOTO 17 - Vista de montante

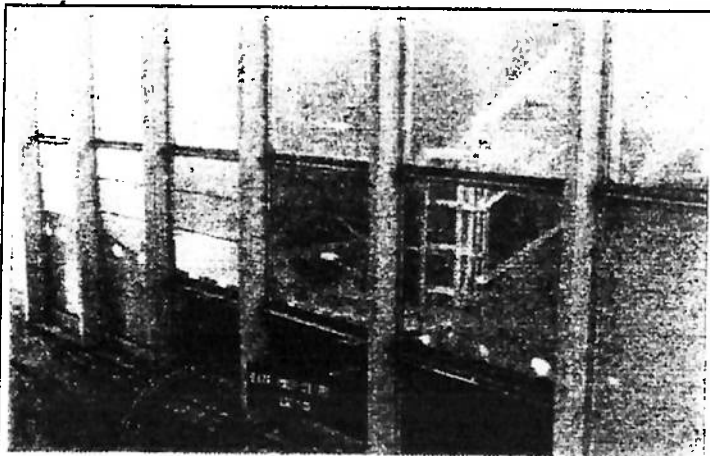


FOTO 18 - Vista lateral

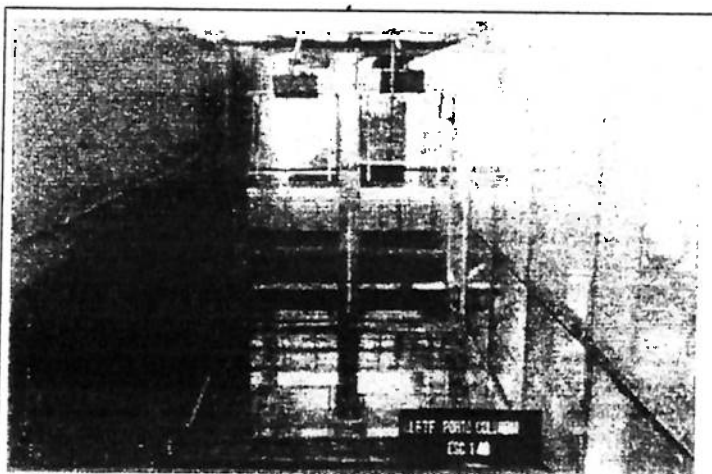


FOTO 19 - Vista de jusante

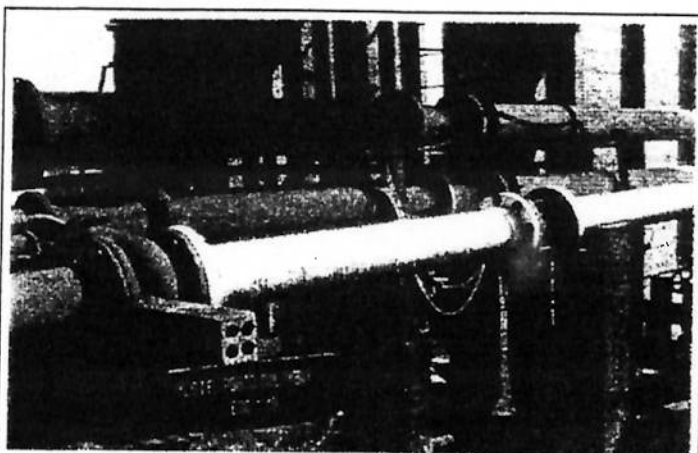


FOTO 20 - Tubulação com os medidores tipo venturi

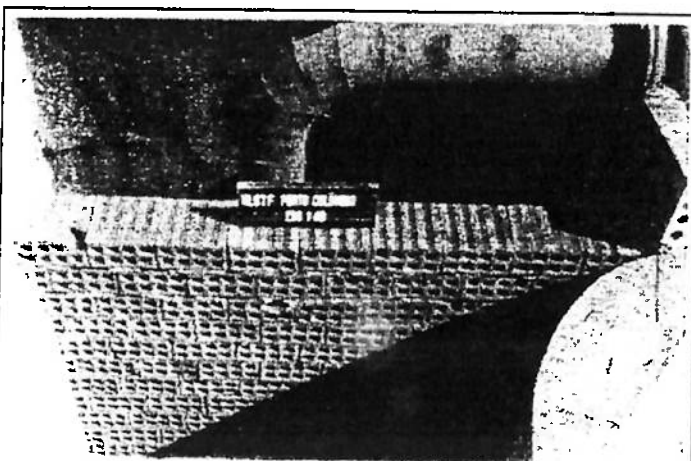


FOTO 21 - Tranquilização - telas e tijolos perfurados

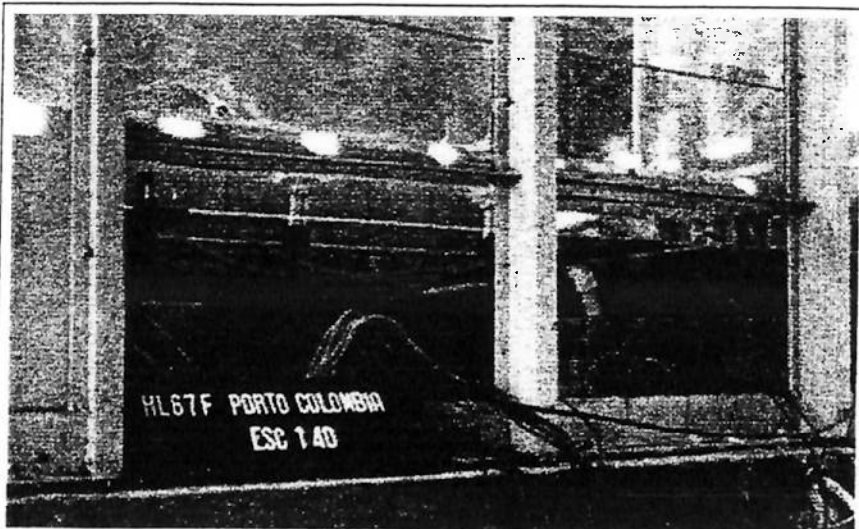


FOTO 22 - Vista geral dos transdutores implantados na bacia de dissipação

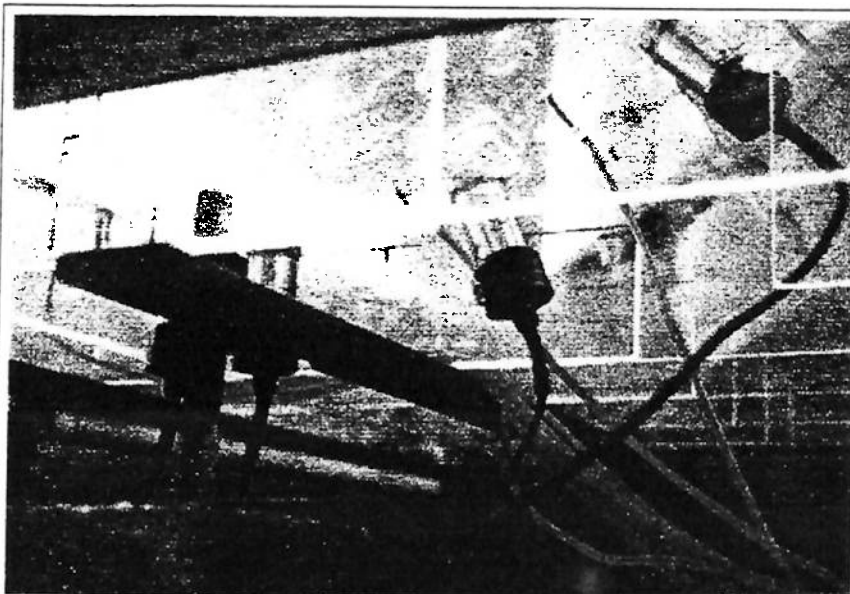


FOTO 23 - Vista dos transdutores na contra-curva da soleira vertedoura



FOTO 27 - $Q \approx 3000 \text{ m}^3/\text{s}$

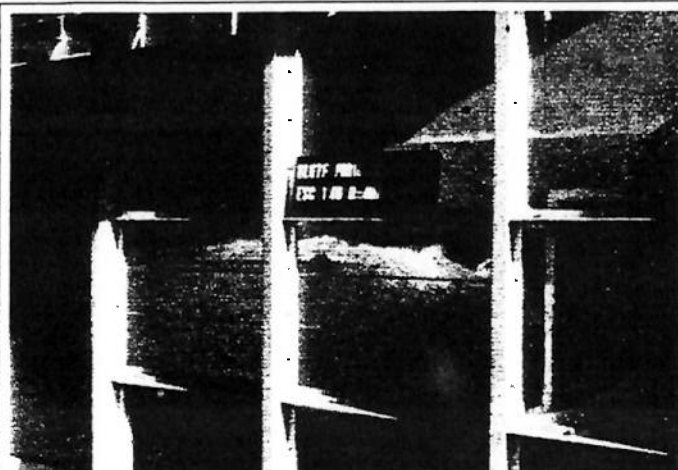


FOTO 28 - $Q \approx 4000 \text{ m}^3/\text{s}$



FOTO 29 - $Q \approx 4000 \text{ m}^3/\text{s}$
Detalhe do escoamento

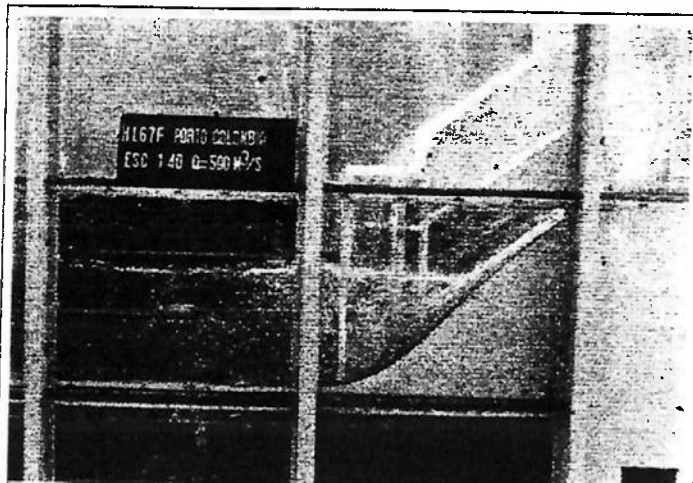


FOTO 24 - $Q \approx 500 \text{ m}^3/\text{s}$

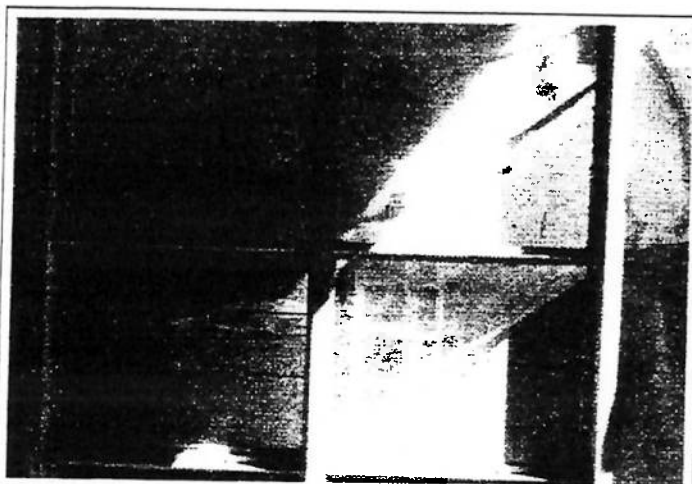


FOTO 25 - $Q \approx 1000 \text{ m}^3/\text{s}$

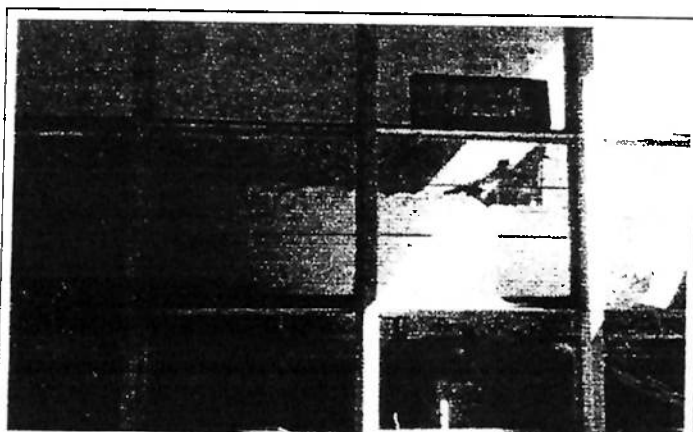


FOTO 26 - $Q \approx 2000 \text{ m}^3/\text{s}$