

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

$$(a, b) = (z^5 + z^3 + 1, z^2 + 1)$$

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ABSTRACT. The continued fraction conjecture claims that the continued fraction defined by the (a, b) -Thue-Morse sequence is algebraic over $\mathbb{F}_2(x)$ for all pairs of distinct elements (a, b) in $\mathbb{F}_2[x] \setminus \mathbb{F}_2$. In this paper we prove the conjecture for $(a, b) = (z^5 + z^3 + 1, z^2 + 1)$.

1. INTRODUCTION

Let $\mathbb{F}_2$ be the finite field of cardinality 2. Given a sequence of polynomials $\mathbf{a} = (a_0(z), a_1(z), a_2(z), \dots)$ of elements from $\mathbb{F}_2[z] \setminus \mathbb{F}_2$, we define the infinite continued fraction

$$(1.1) \quad \text{CF}(\mathbf{a}(z)) = \frac{1}{a_0(z) + \frac{1}{a_1(z) + \frac{1}{a_2(z) + \frac{1}{\ddots}}}}$$

as the limit of the finite continued fractions

$$(1.2) \quad \text{CF}_n(\mathbf{a}(z)) = \frac{1}{a_0(z) + \frac{1}{a_1(z) + \frac{1}{\ddots + \frac{1}{a_n(z)}}}} \in \mathbb{F}_2((1/z)).$$

Conversely, each power series in $\mathbb{F}_2[[1/z]]$ without constant term

$$(1.3) \quad c_{-1}z^{-1} + c_{-2}z^{-2} + c_{-3}z^{-3} + \dots$$

admits a continued fraction expansion of form (1.1).

Let a and b be two distinct elements from $\mathbb{F}_2[z] \setminus \mathbb{F}_2$. We consider the continued fraction (1.1) associated with the (a, b) -Thue-Morse sequence

$$\mathbf{t} = (t_0(z), t_1(z), t_2(z), \dots) = (a, b, b, a, b, a, a, b, \dots)$$

that we shall denote

$$(1.4) \quad \text{CF}(a, b) := \text{CF}(\mathbf{t}).$$

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Theorem 1.1. *When $(a, b) = (z^5 + z^3 + 1, z^2 + 1)$, the two power series $\text{CF}(a, b)$ and $\text{CF}(b, a)$ are algebraic over $\mathbb{F}_2(z)$, with minimal polynomials of the form*

$$p_4(z)y^4 + p_3(z)y^3 + p_2(z)y^2 + p_1(z)y + p_0(z) = 0$$

where, for $\text{CF}(a, b)$,

$$\begin{aligned} p_0(z) &= z^{21} + z^{16} + z^{13} + z^{12} + z^{10} + z^8 + z^7 + z^6 + z^4 + z^3 + z^2 + 1, \\ p_1(z) &= z^{26} + z^{24} + z^{23} + z^{21} + z^{15} + z^{14} + z^{13} + z^{10} + z^9 + z^8 + z^7 + z^6 + z^5 \\ &\quad + z^4 + z^3 + z^2, \\ p_2(z) &= z^{28} + z^{24} + z^{20} + z^{18} + z^{16} + z^{14} + z^{10} + z^6 + z^4 + 1, \\ p_3(z) &= z^{26} + z^{24} + z^{23} + z^{21} + z^{15} + z^{14} + z^{13} + z^{10} + z^9 + z^8 + z^7 + z^6 + z^5 \\ &\quad + z^4 + z^3 + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{18} + z^{14} + z^{13} + z^{12} + z^8 + z^7 + z^3 + z^2 + 1, \end{aligned}$$

and for $\text{CF}(b, a)$,

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{16} + z^{13} + z^{10} + z^7 + z^6 + z^4 + z^3 + z^2 + 1, \\ p_1(z) &= z^{26} + z^{24} + z^{23} + z^{21} + z^{15} + z^{14} + z^{13} + z^{10} + z^9 + z^8 + z^7 + z^6 + z^5 \\ &\quad + z^4 + z^3 + z^2, \\ p_2(z) &= z^{28} + z^{24} + z^{20} + z^{18} + z^{16} + z^{14} + z^{10} + z^6 + z^4 + 1, \\ p_3(z) &= z^{26} + z^{24} + z^{23} + z^{21} + z^{15} + z^{14} + z^{13} + z^{10} + z^9 + z^8 + z^7 + z^6 + z^5 \\ &\quad + z^4 + z^3 + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{20} + z^{18} + z^{14} + z^{13} + z^7 + z^3 + z^2 + 1. \end{aligned}$$

2. PROOF

Define the sequences of polynomials $(P_n(z))_{n \geq 0}$ and $(Q_n(z))_{n \geq 0}$ by

$$\begin{pmatrix} P_n(z) & Q_n(z) \\ P_{n-1}(z) & Q_{n-1}(z) \end{pmatrix} := \begin{pmatrix} t_n(z) & 1 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} t_{n-1}(z) & 1 \\ 1 & 0 \end{pmatrix} \cdots \begin{pmatrix} t_0(z) & 1 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}.$$

By the basic properties of continued fractions, we have

$$(2.1) \quad \text{CF}_n(a, b) = \frac{P_n(z)}{Q_n(z)} \in \mathbb{F}_2((1/z)).$$

As formula (2.1) is not efficient for calculating $\text{CF}_n(a, b)$, a fast method is to be derived and described as follows. Define

$$\begin{aligned} M_n(x) &= x^{\deg(t_{2^n-1})} \begin{pmatrix} t_{2^n-1}(1/x) & 1 \\ 1 & 0 \end{pmatrix} \times x^{\deg(t_{2^n-2})} \begin{pmatrix} t_{2^n-2}(1/x) & 1 \\ 1 & 0 \end{pmatrix} \times \\ &\quad \cdots \times x^{\deg(t_0)} \begin{pmatrix} t_0(1/x) & 1 \\ 1 & 0 \end{pmatrix}, \\ W_n(x) &= x^{\deg(\bar{t}_{2^n-1})} \begin{pmatrix} \bar{t}_{2^n-1}(1/x) & 1 \\ 1 & 0 \end{pmatrix} \times x^{\deg(\bar{t}_{2^n-2})} \begin{pmatrix} \bar{t}_{2^n-2}(1/x) & 1 \\ 1 & 0 \end{pmatrix} \times \\ &\quad \cdots \times x^{\deg(\bar{t}_0)} \begin{pmatrix} \bar{t}_0(1/x) & 1 \\ 1 & 0 \end{pmatrix}, \end{aligned}$$

where $\bar{\mathbf{t}}$ is the (b, a) -Thue-Morse sequence. By the properties of the Thue-Morse sequence, we have for $n \geq 0$

$$\begin{aligned} M_{n+1}(x) &= W_n(x) \cdot M_n(x), \\ W_{n+1}(x) &= M_n(x) \cdot W_n(x). \end{aligned}$$

Let $x := 1/z$. For each non-zero polynomial $P(z)$, define $\tilde{P}(x)$ to be $P(1/x)$. Then,

$$\text{CF}_n(a, b) = \frac{P_n(z)}{Q_n(z)} = \frac{\tilde{P}_n(x)}{\tilde{Q}_n(x)} \in \mathbb{F}_2((x)) = \mathbb{F}_2((1/z)).$$

Comparing the definition of $M_n(x)$ with the definition of $P_n(x)$ and $Q_n(x)$, we see that

$$\begin{aligned} M_n(x)_{0,1} &= x^{d_n} \tilde{P}_{2^n-1}(x), \\ M_n(x)_{0,0} &= x^{d_n} \tilde{Q}_{2^n-1}(x), \end{aligned}$$

for some positive integer d_n . Hence,

$$(2.2) \quad \text{CF}_{2^{2n}-1}(a, b) = \frac{\tilde{P}_{2^{2n}-1}(x)}{\tilde{Q}_{2^{2n}-1}(x)} = \frac{M_{2n}(x)_{0,1}}{M_{2n}(x)_{0,0}}.$$

Therefore, by the convergence theorem of continued fraction, the algebraicity of $\text{CF}(a, b)$ will be established if it is shown that both $M_{2n}(x)_{0,1}$ and $M_{2n}(x)_{0,0}$ converge to algebraic series in $\mathbb{F}_2[[x]]$.

Actually, we will prove that for all $0 \leq i, j \leq 1$ the four sequences $(M_{2n}(x)_{i,j})_n$, $(M_{2n+1}(x)_{i,j})_n$, $(W_{2n}(x)_{i,j})_n$, and $(W_{2n+1}(x)_{i,j})_n$ converge to algebraic series in $\mathbb{F}_2[[x]]$. For this purpose, we define four 2×2 matrices M^e, M^o, W^e, W^o as follows: For each $T \in \{M^e, M^o, W^e, W^o\}$ and $0 \leq i, j \leq 1$, $T_{i,j}$ is defined to be the unique solution in $\mathbb{F}_2[[x]]$ of the polynomial $\phi(T, i, j)$ under certain initial conditions; the polynomials $\phi(T, i, j)$ and initial conditions are given in Section 3. We will prove that these four matrices, whose components are algebraic by definition, are the limits of $(M_{2n}(x))_n$, $(M_{2n+1}(x))_n$, $(W_{2n}(x))_n$, and $(W_{2n+1}(x))_n$.

Let us explain how the polynomials $\phi(T, i, j)$ and initial conditions are found, and why the solutions exist and are unique. For $0 \leq i, j \leq 1$, the coefficients of the polynomial $\phi(M^e, i, j)$ (resp. $\phi(M^o, i, j)$, $\phi(W^e, i, j)$, and $\phi(W^o, i, j)$) are the Padé-Hermite approximants of type

$$(175, 175, 175, 175, 175)$$

of the vector

$$(1, T^3, T^6, T^9, T^{12}),$$

where $T = M_{12,i,j}$ (resp. $M_{11,i,j}$, $W_{12,i,j}$, and $W_{11,i,j}$), found by the Derksen algorithm. We take the first 8 terms of $M_{12,i,j}$ (resp. $M_{11,i,j}$, $W_{12,i,j}$, and $W_{11,i,j}$) as initial conditions for $\phi(M^e, i, j)$ (resp. $\phi(M^o, i, j)$, $\phi(W^e, i, j)$, and $\phi(W^o, i, j)$). The following fact will be used to ensure that the solution exists and is unique: let $P(x, y) \in \mathbb{F}_2[x, y]$ and for each series $f(x) = \sum_{n=0}^{\infty} a_n x^n \in \mathbb{F}_2[[x]]$ denote the partial sum $\sum_{j=0}^{n-1} a_j x^j$ by $f_n(x)$ for $n \geq 0$. If for some $n \geq 0$ and $a_0, a_1, \dots, a_{n-1} \in \mathbb{F}_2$ $P(x, \sum_{j=0}^{n-1} a_j x^j) = O(x^n)$ and $Q(x, y) := P(x, \sum_{j=0}^{n-1} a_j x^j + x^n y)$ can be written as $x^m \sum_{j=0}^{\infty} q_j(x) y^j$ where $q_j(x)$ are polynomials for $j \geq 0$, $q_1(0) = 1$, and $q_j(0) = 0$ for $j > 1$, then there exists a unique solution $f(x) \in \mathbb{F}_2[[x]]$ of $P(x, f(x)) = 0$ that satisfies the initial condition $f_n(x) = \sum_{j=0}^{n-1} a_j x^j$.

We state two lemmas concerning the four matrices M^e, M^o, W^e, W^o . The first one is about relations between them; the second, about the structure of the each matrix.

Lemma 2.1. *We have*

$$(2.3) \quad M^e = W^o \cdot M^o,$$

$$(2.4) \quad M^o = W^e \cdot M^e,$$

$$(2.5) \quad W^e = M^o \cdot W^o,$$

$$(2.6) \quad W^o = M^e \cdot W^e.$$

Proof. We give the proof of the identity

$$M_{0,0}^e = W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o,$$

the proofs of the others being similar.

First, we compute the minimal polynomials of $W_{0,0}^o M_{0,0}^o$ and $W_{0,1}^o M_{1,0}^o$. We know that

$$P(x, y) = \text{Res}_z (\phi(W^o, 0, 0)(x, z), z^{12} \cdot \phi(M^o, 0, 0)(x, y/z))$$

is an annihilating polynomial of $W_{0,0}^o M_{0,0}^o$. We use Padé-Hermite approximation to find a candidate for the minimal polynomial of $W_{0,0}^o M_{0,0}^o$, that will be called $\phi_0(x, y)$. To prove that $\phi_0(x, y)$ is indeed the minimal polynomial, it suffices to prove that it is an irreducible factor of $P(x, y)$ of multiplicity m and that $Q(x, y) := P(x, y)/\phi_0(x, y)^m$ is not an annihilating polynomial of $W_{0,0}^o M_{0,0}^o$. We verify the first point directly. For the second point, we truncate $W_{0,0}^o M_{0,0}^o$ to order 630 and substitute it for y in $Q(x, y)$. We get a series of valuation less than 630, which proves that $Q(x, y)$ is not an annihilating polynomial of $W_{0,0}^o M_{0,0}^o$. We find the minimal polynomial $\phi_1(x, y)$ of $W_{0,1}^o M_{1,0}^o$ in a similar way.

Now we prove that $\phi(M^e, 0, 0)$ is the minimal polynomial of $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$. We know that

$$S(x, y) = \text{Res}_z (\phi_0(x, z), \phi_1(x, y + z))$$

is an annihilating of $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$. We verify that $\phi(M^e, 0, 0)$ is an irreducible factor of $S(x, y)$ of multiplicity μ , and that $Q(x, y) := S(x, y)/\phi(M^e, 0, 0)^\mu$ is not an annihilating polynomial of $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$. To see the last point, we truncate $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$ to order 770 and substitute it for y in $Q(x, y)$. We get a series of valuation less than 770, and therefore $Q(x, y)$ is not an annihilating polynomial of $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$.

Finally, the first 16 terms of $M_{0,0}^e$ and $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$ coincide. As these first terms determine a unique solution of $\phi(M^e, 0, 0)$, we know that the two series are one and the same. $\square$

Define

$$R^e = \begin{pmatrix} 1 & 1 \\ 1 & 0 \end{pmatrix} \quad \text{and} \quad R^o = \begin{pmatrix} 0 & 1 \\ 1 & 1 \end{pmatrix}.$$

Lemma 2.2. *For all integers $k \geq 2$ and $u = 2^{2k-1}$, the following identities hold.*

$$\begin{aligned} M^e[:14u] &= M^e[:7u] + x^{5u} M^e[:2u] + x^{5u} M^e[:7u] + x^{10u} M^e[:2u] \\ &\quad + x^{7u} M^e[:7u] + x^{12u} M^e[:2u] + x^{8u} M^e[:6u] + x^{13u} M^e[:u] \\ &\quad + x^{9u} M^e[:5u] + x^{11u} M^e[:3u] + (x^{7u} + x^{12u}) R^e, \\ W^e[:14u] &= W^e[:7u] + x^{5u} W^e[:2u] + x^{5u} W^e[:7u] + x^{10u} W^e[:2u] \end{aligned}$$

$$\begin{aligned}
& + x^{7u}W^e[:7u] + x^{12u}W^e[:2u] + x^{8u}W^e[:6u] + x^{13u}W^e[:u] \\
& + x^{9u}W^e[:5u] + x^{11u}W^e[:3u] + (x^{7u} + x^{12u})R^e.
\end{aligned}$$

For all integers $k \geq 2$ and $u = 2^{2k}$, the following identities hold.

$$\begin{aligned}
M^o[:14u] &= M^o[:7u] + x^{5u}M^o[:2u] + x^{5u}M^o[:7u] + x^{10u}M^o[:2u] \\
& + x^{7u}M^o[:7u] + x^{12u}M^o[:2u] + x^{8u}M^o[:6u] + x^{13u}M^o[:u] \\
& + x^{9u}M^o[:5u] + x^{11u}M^o[:3u] + (x^{7u} + x^{12u})R^o, \\
W^o[:14u] &= W^o[:7u] + x^{5u}W^o[:2u] + x^{5u}W^o[:7u] + x^{10u}W^o[:2u] \\
& + x^{7u}W^o[:7u] + x^{12u}W^o[:2u] + x^{8u}W^o[:6u] + x^{13u}W^o[:u] \\
& + x^{9u}W^o[:5u] + x^{11u}W^o[:3u] + (x^{7u} + x^{12u})R^o.
\end{aligned}$$

Proof. To prove Lemma 2.2 we first construct an automaton for each sequence concerned, and then transform the conditions on infinitely many k 's into finitely many conditions on the states of the automaton. In the following, we will prove that for $T = M_{0,0}^o$, for all integer $k \geq 2$ and $u = 2^{2k}$,

$$\begin{aligned}
T[:14u] &= T[:7u] + x^{5u}T[:2u] + x^{5u}T[:7u] + x^{10u}T[:2u] + x^{7u}T[:7u] \\
& + x^{12u}T[:2u] + x^{8u}T[:6u] + x^{13u}T[:u] + x^{9u}T[:5u] + x^{11u}T[:3u] \\
& + (x^{7u} + x^{12u}).
\end{aligned}$$

The proof of the other 15 cases are similar. We break down the above identity into 7 parts:

$$\begin{aligned}
x^7u &= x^{7u}T[:u] + x^{5u}T[2u:3u] + T[7u:8u], \\
0 &= x^{8u}T[:u] + x^{7u}T[u:2u] + x^{5u}T[3u:4u] + T[8u:9u], \\
0 &= x^{9u}T[:u] + x^{8u}T[u:2u] + x^{7u}T[2u:3u] + x^{5u}T[4u:5u] \\
& + T[9u:10u], \\
0 &= x^{10u}T[:u] + x^{9u}T[u:2u] + x^{8u}T[2u:3u] + x^{7u}T[3u:4u] \\
& + x^{5u}T[5u:6u] + T[10u:11u], \\
0 &= x^{11u}T[:u] + x^{10u}T[u:2u] + x^{9u}T[2u:3u] + x^{8u}T[3u:4u] \\
& + x^{7u}T[4u:5u] + x^{5u}T[6u:7u] + T[11u:12u], \\
x^12u &= x^{12u}T[:u] + x^{11u}T[u:2u] + x^{9u}T[3u:4u] + x^{8u}T[4u:5u] \\
& + x^{7u}T[5u:6u] + T[12u:13u], \\
0 &= x^{13u}T[:u] + x^{12u}T[u:2u] + x^{11u}T[2u:3u] + x^{9u}T[4u:5u] \\
& + x^{8u}T[5u:6u] + x^{7u}T[6u:7u] + T[13u:14u],
\end{aligned}$$

which can be rewritten as

$$(2.7) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[111w]_2],$$

$$(2.8) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[1000w]_2],$$

$$(2.9) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[1001w]_2],$$

$$(2.10) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2]$$

$$+ T[[1010w]_2],$$

$$(2.11) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] \\ &\quad + T[[110w]_2] + T[[1011w]_2], \end{aligned}$$

$$(2.12) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\ &\quad + T[[1100w]_2], \end{aligned}$$

$$(2.13) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[101w]_2] \\ &\quad + T[[110w]_2] + T[[1101w]_2], \end{aligned}$$

for all binary word w of length $2k$ and $w \neq 0^{2k}$, and

$$(2.14) \quad 1 = T[[w]_2] + T[[10w]_2] + T[[111w]_2],$$

$$(2.15) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[1000w]_2],$$

$$(2.16) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[1001w]_2],$$

$$(2.17) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] \\ &\quad + T[[1010w]_2], \end{aligned}$$

$$(2.18) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] \\ &\quad + T[[110w]_2] + T[[1011w]_2], \end{aligned}$$

$$(2.19) \quad \begin{aligned} 1 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\ &\quad + T[[1100w]_2], \end{aligned}$$

$$(2.20) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[101w]_2] \\ &\quad + T[[110w]_2] + T[[1101w]_2], \end{aligned}$$

for $w = 0^{2k}$.

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 12150 states; its transition function and output function can be found in the annex. Let $A(s, w)$ denote the state reached after reading w from right to left starting from the state s , and τ the output function. Define

$$E_{2k} = \{A(i, w) : |w| = 2k, w \neq 0^{2k}\}.$$

Identities (2.7) through (2.20) can be written as

$$(2.21) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 111)),$$

$$(2.22) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 1000)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100))$$

$$(2.23) \quad + \tau(A(s, 1001)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101))$$

$$(2.24) \quad + \tau(A(s, 1010)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

$$(2.25) \quad + \tau(A(s, 110)) + \tau(A(s, 1011)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

$$(2.26) \quad + \tau(A(s, 101)) + \tau(A(s, 1100)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100))$$

$$(2.27) \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)),$$

for all $s \in E_{2k}$, and

$$(2.28) \quad 1 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 111)),$$

$$(2.29) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 1000)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100))$$

$$(2.30) \quad + \tau(A(s, 1001)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101))$$

$$(2.31) \quad + \tau(A(s, 1010)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

$$(2.32) \quad + \tau(A(s, 110)) + \tau(A(s, 1011)),$$

$$1 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

$$(2.33) \quad + \tau(A(s, 101)) + \tau(A(s, 1100)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100))$$

$$(2.34) \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)),$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{36}), E_{36}) = (A(i, 0^{16}), E_{16})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 18$, which turns out to be true. $\square$

In the following lemma, we express M_{2k} , M_{2k+1} , W_{2k} , and W_{2k+1} in terms of M^e , M^o , W^e , and W^o .

Lemma 2.3. *For all integer $k \geq 2$, and $u = 2^{2k-1}$,*

$$M_{2k} = M^e[:7u] + x^{5u}M^e[:2u] + x^{7u}R^e,$$

$$W_{2k} = W^e[:7u] + x^{5u}W^e[:2u] + x^{7u}R^e.$$

For all integer $k \geq 2$, and $u = 2^{2k}$,

$$M_{2k+1} = M^o[:7u] + x^{5u}M^o[:2u] + x^{7u}R^o,$$

$$W_{2k+1} = W^o[:7u] + x^{5u}W^o[:2u] + x^{7u}R^o.$$

Proof. We call the four identities in Lemma 2.3 also by the name M_{2k} , W_{2k} , M_{2k+1} , and W_{2k+1} . For $n = 2$, the identities can be verified directly. For $n \geq 2$, we claim that

$$M_{2k} \wedge W_{2k} \Rightarrow M_{2k+1} \wedge W_{2k+1},$$

$$M_{2k+1} \wedge W_{2k+1} \Rightarrow M_{2k+2} \wedge W_{2k+2}.$$

We give the proof of

$$M_{2k} \wedge W_{2k} \Rightarrow M_{2k+1},$$

the other ones being similar. Set $u = 2^{2k}$ and $v = 2^{2k-1}$. By definition and induction hypothesis, the left side of identity M_{2k+1} is equal to

$$(2.35) \quad W_{2k}M_{2k} = (W^e[:7v] + x^{5v}W^e[:2v] + x^{7u}R^e) \times (M^e[:7v] + x^{5v}M^e[:2v] + x^{7u}R^e);$$

Call this expression *lhs*. Note that both sides of identity M_{2k+1} have the same term of highest degree $x^{14v}R^o$. Therefore we only need to prove that their difference is

$O(x^{14v})$. Using Lemma 2.1 it can be seen that the right side of identity M_{2k+1} is congruent, modulo x^{14v} , to

$$W^e[:14v]M^e[:14v] + x^{10v}W^e[:4v]M^e[:4v].$$

For all $n \leq 14$, replace the occurrences of $W^e[:n \cdot v]$ and $M^e[:n \cdot v]$ in the above expression by the reduction modulo $x^{n \cdot v}$ of the right side of the corresponding identity in Lemma 2.2 and get a new expression, which we call *rhs*. Define

$$\begin{aligned} X &:= x^v, \\ a_n &:= W^e[n \cdot v : (n+1) \cdot v] / X^n, \\ b_n &:= M^e[n \cdot v : (n+1) \cdot v] / X^n, \\ c &:= R^e. \end{aligned}$$

Using the notation introduced above, we can represent the expressions *lhs* (2.35) and *rhs* as polynomials in $\mathbb{F}_2[a_1, \dots, a_{14}, b_1, \dots, b_{14}, c][X]$. Note that it is not a problem that a_j commutes with b_k while W^e does not commute with M^e , because in the expressions concerned, the products of W^e -terms and M^e -terms are always in the same order. We let the computer do the simplification and check that the difference between these two polynomials is indeed $O(X^{14})$, which completes the proof. $\square$

Proof of Theorem 1.1. We prove the theorem for $\text{CF}(a, b)$; for $\text{CF}(b, a)$, the proof is similar. By Lemma 2.3, we have For all $0 \leq j, k \leq 1$,

$$\begin{aligned} \lim_{n \rightarrow \infty} M_{2n, j, k} &= M_{j, k}^e, \\ \lim_{n \rightarrow \infty} M_{2n+1, j, k} &= M_{j, k}^o, \\ \lim_{n \rightarrow \infty} W_{2n, j, k} &= W_{j, k}^e, \\ \lim_{n \rightarrow \infty} W_{2n+1, j, k} &= W_{j, k}^o. \end{aligned}$$

Let $z = 1/x$. By the convergence theorem and identity (2.2),

$$\text{CF}(a, b) = \frac{M_{0,1}^e(x)}{M_{0,0}^e(x)}.$$

By definition, $\phi(M^e, 0, 1)$ and $\phi(M^e, 0, 0)$ are minimal polynomials of $M_{0,1}^e$ and $M_{0,0}^e$. Therefore

$$P(x, y) = \text{Res}_t (\phi(M^e, 0, 1)(x, t), y^{12} \phi(M^e, 0, 1)(x, t/y))$$

is an annihilating polynomial of $f(x) = M_{0,1}^e / M_{0,0}^e$.

Define

$$Q(x, y) = q_4(x)y^4 + q_3(x)y^3 + q_2(x)y^2 + q_1(x)y + q_0(x),$$

where

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{25} + x^{24} + x^{22} + x^{21} + x^{20} + x^{18} + x^{16} + x^{15} + x^{12} + x^7, \\ q_1(x) &= x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} + x^{13} \\ &\quad + x^7 + x^5 + x^4 + x^2, \\ q_2(x) &= x^{28} + x^{24} + x^{22} + x^{18} + x^{14} + x^{12} + x^{10} + x^8 + x^4 + 1, \\ q_3(x) &= x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} + x^{13} \\ &\quad + x^7 + x^5 + x^4 + x^2, \end{aligned}$$

$$q_4(x) = x^{28} + x^{26} + x^{25} + x^{21} + x^{20} + x^{16} + x^{15} + x^{14} + x^{10} + x^7 + x^4.$$

The polynomial $Q(x, y)$ is the candidate for the minimal polynomial of $f(x)$ found by Padé-Hermite approximation. To prove that it is indeed the minimal polynomial of $f(x)$, we only need to prove that it is an irreducible factor of $P(x, y)$ of multiplicity m and $R(x, y) := P(x, y)/Q(x, y)^m$ is not an annihilating polynomial of $f(x)$. We verify the first point directly. For the second point, we find that when we truncate $f(x)$ to order 216, and substitute it for y in $R(z, y)$, we get a series with valuation smaller than 216, which proves that $R(z, y)$ is not an annihilating polynomial of $f(x)$. Finally, $z^{12}Q(1/z, y)$ is the minimal polynomial of $\text{CF}(a, b) = f(1/z)$. $\square$

3. ANNEXE

All 16 polynomials are of the form

$$p_0(x) + p_3(x)y^3 + p_6(x)y^6 + p_9(x)y^9 + p_{12}(x)y^{12}.$$

The coefficients $p_j(x)$ and the 16 initial terms to determine the solutions uniquely are given below.

For $\phi(M^e, 0, 0)$:

$$\begin{aligned} p_0(x) &= x^{138} + x^{134} + x^{130} + x^{126} + x^{122} + x^{116} + x^{106} + x^{104} + x^{102} + x^{98} \\ &\quad + x^{96} + x^{94} + x^{92} + x^{90} + x^{86} + x^{84} + x^{82} + x^{76} + x^{70} + x^{64} + x^{62} \\ &\quad + x^{58} + x^{56} + x^{50} + x^{46} + x^{42} + x^{30} + x^{28} + x^{24}, \\ p_3(x) &= x^{134} + x^{132} + x^{122} + x^{120} + x^{110} + x^{106} + x^{104} + x^{102} + x^{100} + x^{98} \\ &\quad + x^{96} + x^{94} + x^{92} + x^{88} + x^{86} + x^{82} + x^{78} + x^{76} + x^{74} + x^{72} + x^{70} \\ &\quad + x^{62} + x^{60} + x^{58} + x^{56} + x^{54} + x^{50} + x^{44} + x^{42} + x^{34} + x^{30} + x^{24} \\ &\quad + x^{18} + x^{16}, \\ p_6(x) &= x^{134} + x^{132} + x^{130} + x^{128} + x^{122} + x^{120} + x^{118} + x^{116} + x^{110} + x^{108} \\ &\quad + x^{106} + x^{102} + x^{100} + x^{98} + x^{92} + x^{88} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} \\ &\quad + x^{70} + x^{58} + x^{56} + x^{52} + x^{46} + x^{44} + x^{36} + x^{34} + x^{28} + x^{26} + x^{24} \\ &\quad + x^{22} + x^{20} + x^{16} + x^{12} + x^8 + 1, \\ p_9(x) &= x^{134} + x^{132} + x^{126} + x^{122} + x^{120} + x^{118} + x^{108} + x^{106} + x^{104} + x^{102} \\ &\quad + x^{98} + x^{96} + x^{90} + x^{86} + x^{84} + x^{82} + x^{80} + x^{74} + x^{68} + x^{66} + x^{64} \\ &\quad + x^{60} + x^{58} + x^{56} + x^{54} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{38} + x^{30} \\ &\quad + x^{28} + x^{26} + x^{24} + x^{18} + x^{14} + x^{10} + x^8 + x^4, \\ p_{12}(x) &= x^{138} + x^{132} + x^{128} + x^{122} + x^{116} + x^{112} + x^{58} + x^{52} + x^{48} + x^{42} \\ &\quad + x^{36} + x^{32} + x^{26} + x^{20} + x^{16} + x^{10} + x^4 + 1, \end{aligned}$$

and the initial terms are $[1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0]$.

For $\phi(M^e, 0, 1)$:

$$\begin{aligned} p_0(x) &= x^{147} + x^{145} + x^{144} + x^{141} + x^{139} + x^{138} + x^{134} + x^{133} + x^{132} + x^{131} \\ &\quad + x^{130} + x^{123} + x^{121} + x^{120} + x^{119} + x^{118} + x^{117} + x^{114} + x^{113} \\ &\quad + x^{110} + x^{107} + x^{106} + x^{102} + x^{99} + x^{98} + x^{97} + x^{95} + x^{93} + x^{89} \end{aligned}$$

$$\begin{aligned}
& + x^{88} + x^{87} + x^{83} + x^{82} + x^{81} + x^{75} + x^{74} + x^{71} + x^{70} + x^{68} + x^{65} \\
& + x^{62} + x^{55} + x^{51} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{42} + x^{41} + x^{37} \\
& + x^{36} + x^{33}, \\
p_3(x) &= x^{129} + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} + x^{121} + x^{119} + x^{117} + x^{114} \\
& + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{101} \\
& + x^{99} + x^{97} + x^{95} + x^{93} + x^{91} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} + x^{82} \\
& + x^{80} + x^{79} + x^{78} + x^{76} + x^{59} + x^{58} + x^{56} + x^{55} + x^{54} + x^{52} + x^{43} \\
& + x^{42} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{31} + x^{29} + x^{26} \\
& + x^{25} + x^{24} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{135} + x^{132} + x^{131} + x^{130} + x^{128} + x^{126} + x^{123} + x^{120} + x^{118} + x^{117} \\
& + x^{114} + x^{112} + x^{109} + x^{107} + x^{106} + x^{105} + x^{103} + x^{101} + x^{97} + x^{96} \\
& + x^{95} + x^{94} + x^{90} + x^{87} + x^{85} + x^{84} + x^{83} + x^{79} + x^{78} + x^{76} + x^{74} \\
& + x^{73} + x^{70} + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{58} + x^{57} \\
& + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{41} + x^{38} + x^{37} \\
& + x^{36} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{24} + x^{21} + x^{19} + x^{18} \\
& + x^{17} + x^{12}, \\
p_9(x) &= x^{141} + x^{140} + x^{139} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{127} + x^{126} \\
& + x^{124} + x^{121} + x^{120} + x^{119} + x^{117} + x^{114} + x^{109} + x^{108} + x^{107} \\
& + x^{105} + x^{103} + x^{100} + x^{99} + x^{98} + x^{97} + x^{94} + x^{91} + x^{90} + x^{88} + x^{87} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{78} + x^{75} + x^{74} + x^{72} + x^{69} + x^{68} + x^{67} \\
& + x^{65} + x^{62} + x^{57} + x^{56} + x^{55} + x^{52} + x^{49} + x^{48} + x^{47} + x^{45} + x^{42} \\
& + x^{41} + x^{40} + x^{39} + x^{37} + x^{34} + x^{31} + x^{30} + x^{28} + x^{25} + x^{24} + x^{22} \\
& + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{147} + x^{145} + x^{144} + x^{140} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} \\
& + x^{119} + x^{117} + x^{116} + x^{112} + x^{67} + x^{65} + x^{64} + x^{60} + x^{59} + x^{57} \\
& + x^{56} + x^{55} + x^{53} + x^{48} + x^{39} + x^{37} + x^{36} + x^{35} + x^{33} + x^{28} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{21} + x^{16} + x^7 + x^5 + x^4 + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 1, 0, 1, 0, 1, 1]$.

For $\phi(M^e, 1, 0)$:

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{144} + x^{141} + x^{139} + x^{138} + x^{134} + x^{133} + x^{132} + x^{131} \\
& + x^{130} + x^{123} + x^{121} + x^{120} + x^{119} + x^{118} + x^{117} + x^{114} + x^{113} \\
& + x^{110} + x^{107} + x^{106} + x^{102} + x^{99} + x^{98} + x^{97} + x^{95} + x^{93} + x^{89} \\
& + x^{88} + x^{87} + x^{83} + x^{82} + x^{81} + x^{75} + x^{74} + x^{71} + x^{70} + x^{68} + x^{65} \\
& + x^{62} + x^{55} + x^{51} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{42} + x^{41} + x^{37} \\
& + x^{36} + x^{33},
\end{aligned}$$

$$\begin{aligned}
p_3(x) &= x^{129} + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} + x^{121} + x^{119} + x^{117} + x^{114} \\
&\quad + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{101} \\
&\quad + x^{99} + x^{97} + x^{95} + x^{93} + x^{91} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} + x^{82} \\
&\quad + x^{80} + x^{79} + x^{78} + x^{76} + x^{59} + x^{58} + x^{56} + x^{55} + x^{54} + x^{52} + x^{43} \\
&\quad + x^{42} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{31} + x^{29} + x^{26} \\
&\quad + x^{25} + x^{24} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{135} + x^{132} + x^{131} + x^{130} + x^{128} + x^{126} + x^{123} + x^{120} + x^{118} + x^{117} \\
&\quad + x^{114} + x^{112} + x^{109} + x^{107} + x^{106} + x^{105} + x^{103} + x^{101} + x^{97} + x^{96} \\
&\quad + x^{95} + x^{94} + x^{90} + x^{87} + x^{85} + x^{84} + x^{83} + x^{79} + x^{78} + x^{76} + x^{74} \\
&\quad + x^{73} + x^{70} + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{58} + x^{57} \\
&\quad + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{41} + x^{38} + x^{37} \\
&\quad + x^{36} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{24} + x^{21} + x^{19} + x^{18} \\
&\quad + x^{17} + x^{12}, \\
p_9(x) &= x^{141} + x^{140} + x^{139} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{127} + x^{126} \\
&\quad + x^{124} + x^{121} + x^{120} + x^{119} + x^{117} + x^{114} + x^{109} + x^{108} + x^{107} \\
&\quad + x^{105} + x^{103} + x^{100} + x^{99} + x^{98} + x^{97} + x^{94} + x^{91} + x^{90} + x^{88} + x^{87} \\
&\quad + x^{86} + x^{85} + x^{83} + x^{81} + x^{78} + x^{75} + x^{74} + x^{72} + x^{69} + x^{68} + x^{67} \\
&\quad + x^{65} + x^{62} + x^{57} + x^{56} + x^{55} + x^{52} + x^{49} + x^{48} + x^{47} + x^{45} + x^{42} \\
&\quad + x^{41} + x^{40} + x^{39} + x^{37} + x^{34} + x^{31} + x^{30} + x^{28} + x^{25} + x^{24} + x^{22} \\
&\quad + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{147} + x^{145} + x^{144} + x^{140} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} \\
&\quad + x^{119} + x^{117} + x^{116} + x^{112} + x^{67} + x^{65} + x^{64} + x^{60} + x^{59} + x^{57} \\
&\quad + x^{56} + x^{55} + x^{53} + x^{48} + x^{39} + x^{37} + x^{36} + x^{35} + x^{33} + x^{28} + x^{27} \\
&\quad + x^{25} + x^{24} + x^{23} + x^{21} + x^{16} + x^7 + x^5 + x^4 + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 1, 0, 1, 0, 1, 1]$.

For $\phi(M^e, 1, 1)$:

$$\begin{aligned}
p_0(x) &= x^{156} + x^{150} + x^{148} + x^{146} + x^{144} + x^{138} + x^{130} + x^{128} + x^{122} + x^{118} \\
&\quad + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{104} + x^{102} + x^{100} + x^{96} + x^{94} \\
&\quad + x^{90} + x^{88} + x^{80} + x^{78} + x^{70} + x^{68} + x^{66} + x^{62} + x^{60} + x^{56} + x^{52} \\
&\quad + x^{46} + x^{42}, \\
p_3(x) &= x^{152} + x^{150} + x^{148} + x^{142} + x^{140} + x^{136} + x^{132} + x^{124} + x^{122} + x^{116} \\
&\quad + x^{114} + x^{112} + x^{106} + x^{100} + x^{96} + x^{92} + x^{80} + x^{74} + x^{72} + x^{70} \\
&\quad + x^{68} + x^{62} + x^{60} + x^{58} + x^{56} + x^{50} + x^{42} + x^{40} + x^{38} + x^{36} + x^{32} \\
&\quad + x^{30} + x^{28} + x^{26} + x^{16} + x^{12}, \\
p_6(x) &= x^{152} + x^{150} + x^{148} + x^{146} + x^{144} + x^{142} + x^{140} + x^{134} + x^{130} + x^{128}
\end{aligned}$$

$$\begin{aligned}
& + x^{124} + x^{120} + x^{108} + x^{106} + x^{104} + x^{100} + x^{88} + x^{86} + x^{80} + x^{78} \\
& + x^{76} + x^{66} + x^{64} + x^{62} + x^{56} + x^{54} + x^{52} + x^{48} + x^{46} + x^{40} + x^{34} \\
& + x^{32} + x^{30} + x^{28} + x^{26} + x^{20} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + 1, \\
p_9(x) &= x^{152} + x^{150} + x^{148} + x^{140} + x^{136} + x^{134} + x^{130} + x^{128} + x^{126} + x^{122} \\
& + x^{114} + x^{112} + x^{110} + x^{104} + x^{98} + x^{96} + x^{94} + x^{90} + x^{88} + x^{86} \\
& + x^{82} + x^{78} + x^{74} + x^{72} + x^{70} + x^{68} + x^{56} + x^{54} + x^{48} + x^{42} + x^{38} \\
& + x^{36} + x^{34} + x^{28} + x^{26} + x^{20} + x^{18} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{156} + x^{152} + x^{132} + x^{128} + x^{116} + x^{112} + x^{76} + x^{72} + x^{52} + x^{48} \\
& + x^{44} + x^{40} + x^{36} + x^{32} + x^{20} + x^{16} + x^4 + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0]$.

For $\phi(W^e, 0, 0)$:

$$\begin{aligned}
p_0(x) &= x^{156} + x^{150} + x^{146} + x^{144} + x^{138} + x^{136} + x^{134} + x^{128} + x^{124} + x^{122} \\
& + x^{114} + x^{108} + x^{104} + x^{102} + x^{88} + x^{80} + x^{74} + x^{70} + x^{68} + x^{66} \\
& + x^{64} + x^{62} + x^{56} + x^{54} + x^{52} + x^{50} + x^{42} + x^{36} + x^{34} + x^{32} + x^{30} \\
& + x^{28} + x^{24}, \\
p_3(x) &= x^{152} + x^{150} + x^{148} + x^{144} + x^{138} + x^{136} + x^{130} + x^{126} + x^{124} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{102} + x^{100} + x^{98} + x^{90} + x^{88} + x^{86} + x^{82} \\
& + x^{78} + x^{74} + x^{72} + x^{64} + x^{58} + x^{48} + x^{46} + x^{40} + x^{38} + x^{34} + x^{32} \\
& + x^{28} + x^{24} + x^{20} + x^{18} + x^{16}, \\
p_6(x) &= x^{152} + x^{150} + x^{146} + x^{138} + x^{134} + x^{132} + x^{128} + x^{126} + x^{122} + x^{120} \\
& + x^{118} + x^{112} + x^{102} + x^{100} + x^{98} + x^{96} + x^{90} + x^{88} + x^{82} + x^{80} \\
& + x^{76} + x^{70} + x^{68} + x^{66} + x^{60} + x^{56} + x^{54} + x^{52} + x^{50} + x^{44} + x^{42} \\
& + x^{36} + x^{32} + x^{28} + x^{24} + x^{14} + x^{12} + x^{10} + x^8 + 1, \\
p_9(x) &= x^{152} + x^{150} + x^{148} + x^{140} + x^{136} + x^{134} + x^{130} + x^{128} + x^{126} + x^{122} \\
& + x^{114} + x^{112} + x^{110} + x^{104} + x^{98} + x^{96} + x^{94} + x^{90} + x^{88} + x^{86} \\
& + x^{82} + x^{78} + x^{74} + x^{72} + x^{70} + x^{68} + x^{56} + x^{54} + x^{48} + x^{42} + x^{38} \\
& + x^{36} + x^{34} + x^{28} + x^{26} + x^{20} + x^{18} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{156} + x^{152} + x^{132} + x^{128} + x^{116} + x^{112} + x^{76} + x^{72} + x^{52} + x^{48} \\
& + x^{44} + x^{40} + x^{36} + x^{32} + x^{20} + x^{16} + x^4 + 1,
\end{aligned}$$

and the initial terms are $[1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0]$.

For $\phi(W^e, 0, 1)$:

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{144} + x^{141} + x^{139} + x^{138} + x^{135} + x^{134} + x^{133} + x^{128} \\
& + x^{127} + x^{126} + x^{124} + x^{122} + x^{121} + x^{115} + x^{114} + x^{113} + x^{112} \\
& + x^{108} + x^{106} + x^{105} + x^{104} + x^{102} + x^{100} + x^{95} + x^{93} + x^{91} + x^{87} \\
& + x^{86} + x^{83} + x^{82} + x^{78} + x^{77} + x^{75} + x^{71} + x^{69} + x^{67} + x^{66} + x^{65}
\end{aligned}$$

$$\begin{aligned}
& + x^{62} + x^{58} + x^{56} + x^{55} + x^{50} + x^{46} + x^{45} + x^{42} + x^{38} + x^{37} + x^{35} \\
& + x^{34} + x^{33}, \\
p_3(x) &= x^{129} + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} + x^{121} + x^{119} + x^{117} + x^{114} \\
& + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{101} \\
& + x^{99} + x^{97} + x^{95} + x^{93} + x^{91} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} + x^{82} \\
& + x^{80} + x^{79} + x^{78} + x^{76} + x^{59} + x^{58} + x^{56} + x^{55} + x^{54} + x^{52} + x^{43} \\
& + x^{42} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{31} + x^{29} + x^{26} \\
& + x^{25} + x^{24} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{135} + x^{132} + x^{131} + x^{130} + x^{128} + x^{126} + x^{123} + x^{120} + x^{118} + x^{117} \\
& + x^{114} + x^{112} + x^{109} + x^{107} + x^{106} + x^{105} + x^{103} + x^{101} + x^{97} + x^{96} \\
& + x^{95} + x^{94} + x^{90} + x^{87} + x^{85} + x^{84} + x^{83} + x^{79} + x^{78} + x^{76} + x^{74} \\
& + x^{73} + x^{70} + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{58} + x^{57} \\
& + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{41} + x^{38} + x^{37} \\
& + x^{36} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{24} + x^{21} + x^{19} + x^{18} \\
& + x^{17} + x^{12}, \\
p_9(x) &= x^{141} + x^{140} + x^{139} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{127} + x^{126} \\
& + x^{124} + x^{121} + x^{120} + x^{119} + x^{117} + x^{114} + x^{109} + x^{108} + x^{107} \\
& + x^{105} + x^{103} + x^{100} + x^{99} + x^{98} + x^{97} + x^{94} + x^{91} + x^{90} + x^{88} + x^{87} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{78} + x^{75} + x^{74} + x^{72} + x^{69} + x^{68} + x^{67} \\
& + x^{65} + x^{62} + x^{57} + x^{56} + x^{55} + x^{52} + x^{49} + x^{48} + x^{47} + x^{45} + x^{42} \\
& + x^{41} + x^{40} + x^{39} + x^{37} + x^{34} + x^{31} + x^{30} + x^{28} + x^{25} + x^{24} + x^{22} \\
& + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{147} + x^{145} + x^{144} + x^{140} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} \\
& + x^{119} + x^{117} + x^{116} + x^{112} + x^{67} + x^{65} + x^{64} + x^{60} + x^{59} + x^{57} \\
& + x^{56} + x^{55} + x^{53} + x^{48} + x^{39} + x^{37} + x^{36} + x^{35} + x^{33} + x^{28} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{21} + x^{16} + x^7 + x^5 + x^4 + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 1, 0, 1, 0, 1, 0, 1, 1, 0, 1, 1, 0, 0, 0]$.

For $\phi(W^e, 1, 0)$:

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{144} + x^{141} + x^{139} + x^{138} + x^{135} + x^{134} + x^{133} + x^{128} \\
& + x^{127} + x^{126} + x^{124} + x^{122} + x^{121} + x^{115} + x^{114} + x^{113} + x^{112} \\
& + x^{108} + x^{106} + x^{105} + x^{104} + x^{102} + x^{100} + x^{95} + x^{93} + x^{91} + x^{87} \\
& + x^{86} + x^{83} + x^{82} + x^{78} + x^{77} + x^{75} + x^{71} + x^{69} + x^{67} + x^{66} + x^{65} \\
& + x^{62} + x^{58} + x^{56} + x^{55} + x^{50} + x^{46} + x^{45} + x^{42} + x^{38} + x^{37} + x^{35} \\
& + x^{34} + x^{33}, \\
p_3(x) &= x^{129} + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} + x^{121} + x^{119} + x^{117} + x^{114}
\end{aligned}$$

$$\begin{aligned}
& + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{101} \\
& + x^{99} + x^{97} + x^{95} + x^{93} + x^{91} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} + x^{82} \\
& + x^{80} + x^{79} + x^{78} + x^{76} + x^{59} + x^{58} + x^{56} + x^{55} + x^{54} + x^{52} + x^{43} \\
& + x^{42} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{31} + x^{29} + x^{26} \\
& + x^{25} + x^{24} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) = & x^{135} + x^{132} + x^{131} + x^{130} + x^{128} + x^{126} + x^{123} + x^{120} + x^{118} + x^{117} \\
& + x^{114} + x^{112} + x^{109} + x^{107} + x^{106} + x^{105} + x^{103} + x^{101} + x^{97} + x^{96} \\
& + x^{95} + x^{94} + x^{90} + x^{87} + x^{85} + x^{84} + x^{83} + x^{79} + x^{78} + x^{76} + x^{74} \\
& + x^{73} + x^{70} + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{58} + x^{57} \\
& + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{41} + x^{38} + x^{37} \\
& + x^{36} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{24} + x^{21} + x^{19} + x^{18} \\
& + x^{17} + x^{12}, \\
p_9(x) = & x^{141} + x^{140} + x^{139} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{127} + x^{126} \\
& + x^{124} + x^{121} + x^{120} + x^{119} + x^{117} + x^{114} + x^{109} + x^{108} + x^{107} \\
& + x^{105} + x^{103} + x^{100} + x^{99} + x^{98} + x^{97} + x^{94} + x^{91} + x^{90} + x^{88} + x^{87} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{78} + x^{75} + x^{74} + x^{72} + x^{69} + x^{68} + x^{67} \\
& + x^{65} + x^{62} + x^{57} + x^{56} + x^{55} + x^{52} + x^{49} + x^{48} + x^{47} + x^{45} + x^{42} \\
& + x^{41} + x^{40} + x^{39} + x^{37} + x^{34} + x^{31} + x^{30} + x^{28} + x^{25} + x^{24} + x^{22} \\
& + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{147} + x^{145} + x^{144} + x^{140} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} \\
& + x^{119} + x^{117} + x^{116} + x^{112} + x^{67} + x^{65} + x^{64} + x^{60} + x^{59} + x^{57} \\
& + x^{56} + x^{55} + x^{53} + x^{48} + x^{39} + x^{37} + x^{36} + x^{35} + x^{33} + x^{28} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{21} + x^{16} + x^7 + x^5 + x^4 + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 1, 0, 1, 0, 1, 0, 1, 1, 0, 1, 1, 0, 0, 0]$.

For $\phi(W^e, 1, 1)$:

$$\begin{aligned}
p_0(x) = & x^{138} + x^{134} + x^{124} + x^{114} + x^{112} + x^{108} + x^{104} + x^{102} + x^{100} + x^{98} \\
& + x^{86} + x^{78} + x^{76} + x^{68} + x^{58} + x^{56} + x^{54} + x^{52} + x^{50} + x^{44} + x^{42}, \\
p_3(x) = & x^{134} + x^{132} + x^{126} + x^{124} + x^{122} + x^{118} + x^{116} + x^{112} + x^{110} + x^{106} \\
& + x^{104} + x^{102} + x^{100} + x^{98} + x^{96} + x^{94} + x^{92} + x^{90} + x^{86} + x^{84} + x^{82} \\
& + x^{78} + x^{76} + x^{64} + x^{58} + x^{54} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{38} \\
& + x^{36} + x^{34} + x^{32} + x^{28} + x^{22} + x^{20} + x^{16} + x^{12}, \\
p_6(x) = & x^{134} + x^{132} + x^{128} + x^{118} + x^{112} + x^{110} + x^{106} + x^{102} + x^{100} + x^{98} \\
& + x^{94} + x^{92} + x^{88} + x^{84} + x^{76} + x^{72} + x^{70} + x^{68} + x^{66} + x^{60} + x^{58} \\
& + x^{54} + x^{50} + x^{46} + x^{42} + x^{32} + x^{12} + 1, \\
p_9(x) = & x^{134} + x^{132} + x^{126} + x^{122} + x^{120} + x^{118} + x^{108} + x^{106} + x^{104} + x^{102}
\end{aligned}$$

$$\begin{aligned}
& + x^{98} + x^{96} + x^{90} + x^{86} + x^{84} + x^{82} + x^{80} + x^{74} + x^{68} + x^{66} + x^{64} \\
& + x^{60} + x^{58} + x^{56} + x^{54} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{38} + x^{30} \\
& + x^{28} + x^{26} + x^{24} + x^{18} + x^{14} + x^{10} + x^8 + x^4, \\
p_{12}(x) & = x^{138} + x^{132} + x^{128} + x^{122} + x^{116} + x^{112} + x^{58} + x^{52} + x^{48} + x^{42} \\
& + x^{36} + x^{32} + x^{26} + x^{20} + x^{16} + x^{10} + x^4 + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0]$.

For $\phi(M^o, 0, 0)$:

$$\begin{aligned}
p_0(x) & = x^{147} + x^{145} + x^{144} + x^{143} + x^{138} + x^{136} + x^{134} + x^{131} + x^{130} + x^{128} \\
& + x^{127} + x^{123} + x^{118} + x^{117} + x^{110} + x^{108} + x^{105} + x^{104} + x^{102} \\
& + x^{101} + x^{100} + x^{99} + x^{97} + x^{96} + x^{94} + x^{91} + x^{90} + x^{89} + x^{88} + x^{86} \\
& + x^{84} + x^{81} + x^{78} + x^{77} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} + x^{68} + x^{67} \\
& + x^{64} + x^{63} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} \\
& + x^{49} + x^{46} + x^{45} + x^{44} + x^{42} + x^{41} + x^{39} + x^{38} + x^{35} + x^{33} + x^{30} \\
& + x^{29} + x^{24}, \\
p_3(x) & = x^{139} + x^{137} + x^{136} + x^{133} + x^{132} + x^{131} + x^{130} + x^{128} + x^{127} + x^{125} \\
& + x^{120} + x^{115} + x^{114} + x^{109} + x^{108} + x^{107} + x^{106} + x^{105} + x^{103} \\
& + x^{101} + x^{97} + x^{96} + x^{94} + x^{92} + x^{89} + x^{88} + x^{87} + x^{84} + x^{80} + x^{78} \\
& + x^{76} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{58} + x^{54} \\
& + x^{52} + x^{47} + x^{44} + x^{41} + x^{40} + x^{35} + x^{34} + x^{33} + x^{32} + x^{29} + x^{28} \\
& + x^{27} + x^{25} + x^{24} + x^{22} + x^{21} + x^{16}, \\
p_6(x) & = x^{143} + x^{140} + x^{139} + x^{138} + x^{137} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} \\
& + x^{125} + x^{124} + x^{123} + x^{119} + x^{117} + x^{116} + x^{114} + x^{112} + x^{111} \\
& + x^{109} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{98} + x^{96} + x^{95} \\
& + x^{94} + x^{92} + x^{91} + x^{89} + x^{86} + x^{85} + x^{84} + x^{82} + x^{80} + x^{78} + x^{77} \\
& + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{62} + x^{61} + x^{59} + x^{58} \\
& + x^{57} + x^{56} + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{45} + x^{44} + x^{43} + x^{35} \\
& + x^{34} + x^{32} + x^{31} + x^{29} + x^{28} + x^{25} + x^{23} + x^{19} + x^{17} + x^{14} + x^{13} \\
& + x^8 + x^7 + x^5 + x^4 + 1, \\
p_9(x) & = x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} + x^{127} + x^{125} + x^{124} + x^{120} \\
& + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{48} + x^{47} + x^{45} + x^{44} + x^{40} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{21} + x^{16} + x^{15} + x^{13} + x^{12} + x^8, \\
p_{12}(x) & = x^{147} + x^{145} + x^{144} + x^{140} + x^{127} + x^{125} + x^{124} + x^{120} + x^{119} + x^{117} \\
& + x^{116} + x^{112} + x^{67} + x^{65} + x^{64} + x^{60} + x^{47} + x^{45} + x^{44} + x^{40} + x^{39} \\
& + x^{37} + x^{36} + x^{35} + x^{33} + x^{28} + x^{15} + x^{13} + x^{12} + x^8 + x^7 + x^5 + x^4 \\
& + 1,
\end{aligned}$$

and the initial terms are $[1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 0, 0, 1, 1]$.

For $\phi(M^o, 0, 1)$:

$$\begin{aligned}
p_0(x) &= x^{160} + x^{154} + x^{153} + x^{152} + x^{151} + x^{148} + x^{146} + x^{145} + x^{144} + x^{142} \\
&\quad + x^{140} + x^{139} + x^{137} + x^{134} + x^{133} + x^{130} + x^{128} + x^{126} + x^{124} \\
&\quad + x^{121} + x^{120} + x^{119} + x^{115} + x^{113} + x^{109} + x^{108} + x^{107} + x^{103} \\
&\quad + x^{101} + x^{100} + x^{99} + x^{98} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{86} + x^{84} \\
&\quad + x^{81} + x^{80} + x^{79} + x^{77} + x^{74} + x^{73} + x^{72} + x^{70} + x^{66} + x^{65} + x^{60} \\
&\quad + x^{59} + x^{58} + x^{56} + x^{54} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{44} + x^{43} \\
&\quad + x^{42} + x^{38} + x^{37} + x^{36} + x^{33}, \\
p_3(x) &= x^{142} + x^{141} + x^{140} + x^{139} + x^{136} + x^{135} + x^{133} + x^{131} + x^{130} + x^{128} \\
&\quad + x^{127} + x^{126} + x^{125} + x^{124} + x^{120} + x^{119} + x^{117} + x^{116} + x^{115} \\
&\quad + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{104} + x^{102} \\
&\quad + x^{101} + x^{98} + x^{97} + x^{96} + x^{95} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} \\
&\quad + x^{86} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{73} + x^{72} + x^{67} + x^{66} \\
&\quad + x^{63} + x^{61} + x^{58} + x^{55} + x^{54} + x^{53} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
&\quad + x^{46} + x^{44} + x^{40} + x^{39} + x^{38} + x^{37} + x^{34} + x^{33} + x^{31} + x^{30} + x^{27} \\
&\quad + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{148} + x^{146} + x^{132} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{110} \\
&\quad + x^{108} + x^{104} + x^{102} + x^{100} + x^{96} + x^{92} + x^{84} + x^{74} + x^{66} + x^{56} \\
&\quad + x^{54} + x^{52} + x^{44} + x^{38} + x^{36} + x^{30} + x^{28} + x^{24} + x^{22} + x^{18} + x^{16} \\
&\quad + x^{12}, \\
p_9(x) &= x^{154} + x^{153} + x^{148} + x^{147} + x^{146} + x^{144} + x^{143} + x^{142} + x^{140} + x^{138} \\
&\quad + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} + x^{124} + x^{123} \\
&\quad + x^{121} + x^{120} + x^{118} + x^{74} + x^{73} + x^{68} + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} \\
&\quad + x^{60} + x^{58} + x^{56} + x^{55} + x^{53} + x^{52} + x^{51} + x^{49} + x^{47} + x^{44} + x^{43} \\
&\quad + x^{42} + x^{40} + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} + x^{31} + x^{30} + x^{28} + x^{26} \\
&\quad + x^{24} + x^{23} + x^{21} + x^{20} + x^{19} + x^{17} + x^{15} + x^{12} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{160} + x^{148} + x^{132} + x^{128} + x^{112} + x^{80} + x^{68} + x^{52} + x^{36} + x^{32} + x^{20} \\
&\quad + x^{16} + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 1, 0, 0, 1, 0, 1]$.

For $\phi(M^o, 1, 0)$:

$$\begin{aligned}
p_0(x) &= x^{148} + x^{142} + x^{141} + x^{139} + x^{136} + x^{134} + x^{132} + x^{131} + x^{129} + x^{128} \\
&\quad + x^{126} + x^{122} + x^{119} + x^{117} + x^{115} + x^{114} + x^{112} + x^{110} + x^{109} \\
&\quad + x^{106} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{90} + x^{86} + x^{85} \\
&\quad + x^{83} + x^{82} + x^{81} + x^{80} + x^{78} + x^{76} + x^{75} + x^{74} + x^{69} + x^{67} + x^{65}
\end{aligned}$$

$$\begin{aligned}
& + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
& + x^{51} + x^{49} + x^{47} + x^{45} + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{130} + x^{129} + x^{128} + x^{127} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{116} \\
& + x^{115} + x^{114} + x^{110} + x^{109} + x^{107} + x^{106} + x^{105} + x^{103} + x^{101} \\
& + x^{96} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{81} + x^{79} + x^{78} + x^{75} \\
& + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} + x^{68} + x^{65} + x^{64} + x^{63} + x^{60} \\
& + x^{59} + x^{58} + x^{56} + x^{53} + x^{52} + x^{51} + x^{50} + x^{46} + x^{45} + x^{43} + x^{42} \\
& + x^{41} + x^{39} + x^{37} + x^{34} + x^{33} + x^{31} + x^{30} + x^{27} + x^{26} + x^{25} + x^{24} \\
& + x^{23} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) = & x^{136} + x^{134} + x^{128} + x^{126} + x^{124} + x^{122} + x^{120} + x^{116} + x^{114} + x^{112} \\
& + x^{110} + x^{106} + x^{100} + x^{98} + x^{96} + x^{90} + x^{88} + x^{84} + x^{82} + x^{80} + x^{76} \\
& + x^{72} + x^{64} + x^{56} + x^{46} + x^{44} + x^{42} + x^{40} + x^{32} + x^{30} + x^{28} + x^{24} \\
& + x^{22} + x^{18} + x^{16} + x^{12}, \\
p_9(x) = & x^{142} + x^{141} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} + x^{124} \\
& + x^{123} + x^{121} + x^{120} + x^{118} + x^{62} + x^{61} + x^{56} + x^{55} + x^{53} + x^{52} \\
& + x^{51} + x^{49} + x^{47} + x^{44} + x^{43} + x^{41} + x^{40} + x^{38} + x^{30} + x^{29} + x^{24} \\
& + x^{23} + x^{21} + x^{20} + x^{19} + x^{17} + x^{15} + x^{12} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{148} + x^{140} + x^{128} + x^{112} + x^{68} + x^{60} + x^{48} + x^{36} + x^{32} + x^{28} + x^{16} \\
& + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0]$.

For $\phi(M^o, 1, 1)$:

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{144} + x^{143} + x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{132} \\
& + x^{128} + x^{127} + x^{126} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} \\
& + x^{116} + x^{112} + x^{110} + x^{109} + x^{106} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} \\
& + x^{93} + x^{92} + x^{91} + x^{89} + x^{87} + x^{84} + x^{83} + x^{82} + x^{77} + x^{74} + x^{72} \\
& + x^{70} + x^{68} + x^{67} + x^{65} + x^{64} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} \\
& + x^{53} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{45} + x^{44} + x^{43} + x^{42}, \\
p_3(x) = & x^{139} + x^{137} + x^{136} + x^{133} + x^{132} + x^{130} + x^{129} + x^{125} + x^{122} + x^{120} \\
& + x^{117} + x^{113} + x^{111} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{101} \\
& + x^{97} + x^{96} + x^{94} + x^{92} + x^{91} + x^{85} + x^{84} + x^{83} + x^{81} + x^{80} + x^{79} \\
& + x^{78} + x^{76} + x^{74} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{59} \\
& + x^{57} + x^{55} + x^{54} + x^{52} + x^{50} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{40} \\
& + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22}, \\
p_6(x) = & x^{143} + x^{140} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{129} + x^{128} \\
& + x^{127} + x^{126} + x^{124} + x^{123} + x^{121} + x^{120} + x^{119} + x^{118} + x^{109}
\end{aligned}$$

$$\begin{aligned}
& + x^{108} + x^{106} + x^{105} + x^{104} + x^{102} + x^{98} + x^{97} + x^{95} + x^{93} + x^{90} \\
& + x^{86} + x^{85} + x^{82} + x^{81} + x^{80} + x^{76} + x^{75} + x^{74} + x^{73} + x^{69} + x^{67} \\
& + x^{66} + x^{63} + x^{61} + x^{57} + x^{54} + x^{51} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} \\
& + x^{41} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{31} + x^{30} + x^{29} + x^{27} + x^{24} \\
& + x^{23} + x^{21} + x^{20} + x^{18} + x^{15} + x^{14} + x^7 + x^5 + x^4 + 1, \\
p_9(x) &= x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} + x^{127} + x^{125} + x^{124} + x^{120} \\
& + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{48} + x^{47} + x^{45} + x^{44} + x^{40} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{21} + x^{16} + x^{15} + x^{13} + x^{12} + x^8, \\
p_{12}(x) &= x^{147} + x^{145} + x^{144} + x^{140} + x^{127} + x^{125} + x^{124} + x^{120} + x^{119} + x^{117} \\
& + x^{116} + x^{112} + x^{67} + x^{65} + x^{64} + x^{60} + x^{47} + x^{45} + x^{44} + x^{40} + x^{39} \\
& + x^{37} + x^{36} + x^{35} + x^{33} + x^{28} + x^{15} + x^{13} + x^{12} + x^8 + x^7 + x^5 + x^4 \\
& + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 1]$.

For $\phi(W^o, 0, 0)$:

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{144} + x^{143} + x^{138} + x^{136} + x^{134} + x^{131} + x^{130} + x^{128} \\
& + x^{127} + x^{123} + x^{118} + x^{117} + x^{110} + x^{108} + x^{105} + x^{104} + x^{102} \\
& + x^{101} + x^{100} + x^{99} + x^{97} + x^{96} + x^{94} + x^{91} + x^{90} + x^{89} + x^{88} + x^{86} \\
& + x^{84} + x^{81} + x^{78} + x^{77} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} + x^{68} + x^{67} \\
& + x^{64} + x^{63} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} \\
& + x^{49} + x^{46} + x^{45} + x^{44} + x^{42} + x^{41} + x^{39} + x^{38} + x^{35} + x^{33} + x^{30} \\
& + x^{29} + x^{24}, \\
p_3(x) &= x^{139} + x^{137} + x^{136} + x^{133} + x^{132} + x^{131} + x^{130} + x^{128} + x^{127} + x^{125} \\
& + x^{120} + x^{115} + x^{114} + x^{109} + x^{108} + x^{107} + x^{106} + x^{105} + x^{103} \\
& + x^{101} + x^{97} + x^{96} + x^{94} + x^{92} + x^{89} + x^{88} + x^{87} + x^{84} + x^{80} + x^{78} \\
& + x^{76} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{58} + x^{54} \\
& + x^{52} + x^{47} + x^{44} + x^{41} + x^{40} + x^{35} + x^{34} + x^{33} + x^{32} + x^{29} + x^{28} \\
& + x^{27} + x^{25} + x^{24} + x^{22} + x^{21} + x^{16}, \\
p_6(x) &= x^{143} + x^{140} + x^{139} + x^{138} + x^{137} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} \\
& + x^{125} + x^{124} + x^{123} + x^{119} + x^{117} + x^{116} + x^{114} + x^{112} + x^{111} \\
& + x^{109} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{98} + x^{96} + x^{95} \\
& + x^{94} + x^{92} + x^{91} + x^{89} + x^{86} + x^{85} + x^{84} + x^{82} + x^{80} + x^{78} + x^{77} \\
& + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{62} + x^{61} + x^{59} + x^{58} \\
& + x^{57} + x^{56} + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{45} + x^{44} + x^{43} + x^{35} \\
& + x^{34} + x^{32} + x^{31} + x^{29} + x^{28} + x^{25} + x^{23} + x^{19} + x^{17} + x^{14} + x^{13} \\
& + x^8 + x^7 + x^5 + x^4 + 1,
\end{aligned}$$

$$\begin{aligned}
p_9(x) &= x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} + x^{127} + x^{125} + x^{124} + x^{120} \\
&\quad + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{48} + x^{47} + x^{45} + x^{44} + x^{40} + x^{27} \\
&\quad + x^{25} + x^{24} + x^{23} + x^{21} + x^{16} + x^{15} + x^{13} + x^{12} + x^8, \\
p_{12}(x) &= x^{147} + x^{145} + x^{144} + x^{140} + x^{127} + x^{125} + x^{124} + x^{120} + x^{119} + x^{117} \\
&\quad + x^{116} + x^{112} + x^{67} + x^{65} + x^{64} + x^{60} + x^{47} + x^{45} + x^{44} + x^{40} + x^{39} \\
&\quad + x^{37} + x^{36} + x^{35} + x^{33} + x^{28} + x^{15} + x^{13} + x^{12} + x^8 + x^7 + x^5 + x^4 \\
&\quad + 1,
\end{aligned}$$

and the initial terms are $[1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 0, 0, 1, 1]$.

For $\phi(W^o, 0, 1)$:

$$\begin{aligned}
p_0(x) &= x^{148} + x^{142} + x^{141} + x^{139} + x^{136} + x^{134} + x^{132} + x^{131} + x^{129} + x^{128} \\
&\quad + x^{126} + x^{122} + x^{119} + x^{117} + x^{115} + x^{114} + x^{112} + x^{110} + x^{109} \\
&\quad + x^{106} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{90} + x^{86} + x^{85} \\
&\quad + x^{83} + x^{82} + x^{81} + x^{80} + x^{78} + x^{76} + x^{75} + x^{74} + x^{69} + x^{67} + x^{65} \\
&\quad + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
&\quad + x^{51} + x^{49} + x^{47} + x^{45} + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{130} + x^{129} + x^{128} + x^{127} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{116} \\
&\quad + x^{115} + x^{114} + x^{110} + x^{109} + x^{107} + x^{106} + x^{105} + x^{103} + x^{101} \\
&\quad + x^{96} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{81} + x^{79} + x^{78} + x^{75} \\
&\quad + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} + x^{68} + x^{65} + x^{64} + x^{63} + x^{60} \\
&\quad + x^{59} + x^{58} + x^{56} + x^{53} + x^{52} + x^{51} + x^{50} + x^{46} + x^{45} + x^{43} + x^{42} \\
&\quad + x^{41} + x^{39} + x^{37} + x^{34} + x^{33} + x^{31} + x^{30} + x^{27} + x^{26} + x^{25} + x^{24} \\
&\quad + x^{23} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{136} + x^{134} + x^{128} + x^{126} + x^{124} + x^{122} + x^{120} + x^{116} + x^{114} + x^{112} \\
&\quad + x^{110} + x^{106} + x^{100} + x^{98} + x^{96} + x^{90} + x^{88} + x^{84} + x^{82} + x^{80} + x^{76} \\
&\quad + x^{72} + x^{64} + x^{56} + x^{46} + x^{44} + x^{42} + x^{40} + x^{32} + x^{30} + x^{28} + x^{24} \\
&\quad + x^{22} + x^{18} + x^{16} + x^{12}, \\
p_9(x) &= x^{142} + x^{141} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} + x^{124} \\
&\quad + x^{123} + x^{121} + x^{120} + x^{118} + x^{62} + x^{61} + x^{56} + x^{55} + x^{53} + x^{52} \\
&\quad + x^{51} + x^{49} + x^{47} + x^{44} + x^{43} + x^{41} + x^{40} + x^{38} + x^{30} + x^{29} + x^{24} \\
&\quad + x^{23} + x^{21} + x^{20} + x^{19} + x^{17} + x^{15} + x^{12} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{148} + x^{140} + x^{128} + x^{112} + x^{68} + x^{60} + x^{48} + x^{36} + x^{32} + x^{28} + x^{16} \\
&\quad + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0]$.

For $\phi(W^o, 1, 0)$:

$$\begin{aligned}
p_0(x) &= x^{160} + x^{154} + x^{153} + x^{152} + x^{151} + x^{148} + x^{146} + x^{145} + x^{144} + x^{142} \\
&\quad + x^{140} + x^{139} + x^{137} + x^{134} + x^{133} + x^{130} + x^{128} + x^{126} + x^{124}
\end{aligned}$$

$$\begin{aligned}
& + x^{121} + x^{120} + x^{119} + x^{115} + x^{113} + x^{109} + x^{108} + x^{107} + x^{103} \\
& + x^{101} + x^{100} + x^{99} + x^{98} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{86} + x^{84} \\
& + x^{81} + x^{80} + x^{79} + x^{77} + x^{74} + x^{73} + x^{72} + x^{70} + x^{66} + x^{65} + x^{60} \\
& + x^{59} + x^{58} + x^{56} + x^{54} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{44} + x^{43} \\
& + x^{42} + x^{38} + x^{37} + x^{36} + x^{33}, \\
p_3(x) = & x^{142} + x^{141} + x^{140} + x^{139} + x^{136} + x^{135} + x^{133} + x^{131} + x^{130} + x^{128} \\
& + x^{127} + x^{126} + x^{125} + x^{124} + x^{120} + x^{119} + x^{117} + x^{116} + x^{115} \\
& + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{104} + x^{102} \\
& + x^{101} + x^{98} + x^{97} + x^{96} + x^{95} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} \\
& + x^{86} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{73} + x^{72} + x^{67} + x^{66} \\
& + x^{63} + x^{61} + x^{58} + x^{55} + x^{54} + x^{53} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{44} + x^{40} + x^{39} + x^{38} + x^{37} + x^{34} + x^{33} + x^{31} + x^{30} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) = & x^{148} + x^{146} + x^{132} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{110} \\
& + x^{108} + x^{104} + x^{102} + x^{100} + x^{96} + x^{92} + x^{84} + x^{74} + x^{66} + x^{56} \\
& + x^{54} + x^{52} + x^{44} + x^{38} + x^{36} + x^{30} + x^{28} + x^{24} + x^{22} + x^{18} + x^{16} \\
& + x^{12}, \\
p_9(x) = & x^{154} + x^{153} + x^{148} + x^{147} + x^{146} + x^{144} + x^{143} + x^{142} + x^{140} + x^{138} \\
& + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} + x^{124} + x^{123} \\
& + x^{121} + x^{120} + x^{118} + x^{74} + x^{73} + x^{68} + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} \\
& + x^{60} + x^{58} + x^{56} + x^{55} + x^{53} + x^{52} + x^{51} + x^{49} + x^{47} + x^{44} + x^{43} \\
& + x^{42} + x^{40} + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} + x^{31} + x^{30} + x^{28} + x^{26} \\
& + x^{24} + x^{23} + x^{21} + x^{20} + x^{19} + x^{17} + x^{15} + x^{12} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{160} + x^{148} + x^{132} + x^{128} + x^{112} + x^{80} + x^{68} + x^{52} + x^{36} + x^{32} + x^{20} \\
& + x^{16} + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 1, 0, 0, 1, 0, 1]$.

For $\phi(W^o, 1, 1)$:

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{144} + x^{143} + x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{132} \\
& + x^{128} + x^{127} + x^{126} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} \\
& + x^{116} + x^{112} + x^{110} + x^{109} + x^{106} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} \\
& + x^{93} + x^{92} + x^{91} + x^{89} + x^{87} + x^{84} + x^{83} + x^{82} + x^{77} + x^{74} + x^{72} \\
& + x^{70} + x^{68} + x^{67} + x^{65} + x^{64} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} \\
& + x^{53} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{45} + x^{44} + x^{43} + x^{42}, \\
p_3(x) = & x^{139} + x^{137} + x^{136} + x^{133} + x^{132} + x^{130} + x^{129} + x^{125} + x^{122} + x^{120} \\
& + x^{117} + x^{113} + x^{111} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{101}
\end{aligned}$$

$$\begin{aligned}
& + x^{97} + x^{96} + x^{94} + x^{92} + x^{91} + x^{85} + x^{84} + x^{83} + x^{81} + x^{80} + x^{79} \\
& + x^{78} + x^{76} + x^{74} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{59} \\
& + x^{57} + x^{55} + x^{54} + x^{52} + x^{50} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{40} \\
& + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22}, \\
p_6(x) = & x^{143} + x^{140} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{129} + x^{128} \\
& + x^{127} + x^{126} + x^{124} + x^{123} + x^{121} + x^{120} + x^{119} + x^{118} + x^{109} \\
& + x^{108} + x^{106} + x^{105} + x^{104} + x^{102} + x^{98} + x^{97} + x^{95} + x^{93} + x^{90} \\
& + x^{86} + x^{85} + x^{82} + x^{81} + x^{80} + x^{76} + x^{75} + x^{74} + x^{73} + x^{69} + x^{67} \\
& + x^{66} + x^{63} + x^{61} + x^{57} + x^{54} + x^{51} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} \\
& + x^{41} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{31} + x^{30} + x^{29} + x^{27} + x^{24} \\
& + x^{23} + x^{21} + x^{20} + x^{18} + x^{15} + x^{14} + x^7 + x^5 + x^4 + 1, \\
p_9(x) = & x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} + x^{127} + x^{125} + x^{124} + x^{120} \\
& + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{48} + x^{47} + x^{45} + x^{44} + x^{40} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{21} + x^{16} + x^{15} + x^{13} + x^{12} + x^8, \\
p_{12}(x) = & x^{147} + x^{145} + x^{144} + x^{140} + x^{127} + x^{125} + x^{124} + x^{120} + x^{119} + x^{117} \\
& + x^{116} + x^{112} + x^{67} + x^{65} + x^{64} + x^{60} + x^{47} + x^{45} + x^{44} + x^{40} + x^{39} \\
& + x^{37} + x^{36} + x^{35} + x^{33} + x^{28} + x^{15} + x^{13} + x^{12} + x^8 + x^7 + x^5 + x^4 \\
& + 1,
\end{aligned}$$

and the initial terms are $[0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 1]$.

Below is the transition function and output function of an 2-automaton that generates $T = M_{0,0}^0$:

Transition function $(n, j) \mapsto \delta(n, j)$ ($\Lambda(n) := [\delta(n, 0), \delta(n, 1)]$):

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	3038	[5269, 5270]	6076	[8923, 8924]	9114	[7765, 2374]
1	[3, 4]	3039	[5271, 5272]	6077	[8925, 8674]	9115	[2824, 2833]
2	[5, 6]	3040	[5273, 5274]	6078	[8926, 8927]	9116	[11171, 11172]
3	[7, 8]	3041	[5275, 5276]	6079	[8928, 8929]	9117	[8021, 7586]
4	[9, 10]	3042	[5277, 5278]	6080	[8930, 8518]	9118	[11173, 11174]
5	[11, 12]	3043	[5068, 1142]	6081	[291, 8931]	9119	[11175, 11060]
6	[13, 14]	3044	[5125, 5279]	6082	[4368, 4586]	9120	[11176, 6386]
7	[15, 16]	3045	[5280, 5281]	6083	[4662, 1594]	9121	[11177, 10821]
8	[17, 18]	3046	[5282, 5283]	6084	[8932, 8887]	9122	[10747, 11178]
9	[19, 20]	3047	[5284, 4753]	6085	[3814, 8933]	9123	[564, 11179]
10	[21, 22]	3048	[5285, 5286]	6086	[8934, 8935]	9124	[7777, 2939]
11	[23, 24]	3049	[28, 5287]	6087	[8936, 8937]	9125	[11180, 1908]
12	[25, 26]	3050	[5288, 5289]	6088	[8938, 8939]	9126	[7152, 11181]
13	[27, 28]	3051	[5290, 5291]	6089	[8940, 8941]	9127	[11182, 3001]
14	[29, 30]	3052	[5292, 5293]	6090	[4751, 5642]	9128	[7414, 7208]
15	[31, 32]	3053	[5294, 4044]	6091	[8935, 8942]	9129	[8115, 6451]

16	[33, 34]	3054	[3414, 5295]	6092	[5254, 4841]	9130	[2017, 11183]
17	[35, 36]	3055	[5296, 5297]	6093	[8943, 1237]	9131	[7761, 1979]
18	[37, 38]	3056	[5298, 5299]	6094	[4336, 1531]	9132	[6015, 2405]
19	[39, 40]	3057	[5300, 5301]	6095	[8944, 8630]	9133	[7264, 2532]
20	[41, 42]	3058	[5302, 1069]	6096	[8945, 8946]	9134	[6333, 11184]
21	[43, 44]	3059	[4303, 4568]	6097	[4590, 1223]	9135	[11185, 6335]
22	[45, 46]	3060	[5303, 5304]	6098	[1076, 8947]	9136	[6460, 7516]
23	[47, 48]	3061	[5305, 5306]	6099	[8948, 1497]	9137	[1886, 11186]
24	[49, 50]	3062	[5307, 3960]	6100	[8949, 8950]	9138	[11054, 216]
25	[51, 52]	3063	[5308, 5309]	6101	[3859, 1164]	9139	[11187, 11188]
26	[53, 54]	3064	[5310, 5311]	6102	[8951, 8952]	9140	[3372, 11189]
27	[55, 56]	3065	[5312, 5313]	6103	[8953, 8954]	9141	[3171, 11190]
28	[57, 58]	3066	[4288, 1499]	6104	[8955, 8956]	9142	[11191, 6457]
29	[59, 60]	3067	[5314, 5315]	6105	[3949, 4634]	9143	[11192, 7912]
30	[61, 62]	3068	[5316, 5317]	6106	[8957, 8958]	9144	[2364, 11193]
31	[63, 64]	3069	[5318, 5319]	6107	[8741, 1391]	9145	[11194, 11195]
32	[65, 66]	3070	[5320, 5321]	6108	[8959, 8960]	9146	[11196, 178]
33	[67, 68]	3071	[5322, 5290]	6109	[4192, 8961]	9147	[7799, 6769]
34	[69, 70]	3072	[5323, 340]	6110	[4312, 1698]	9148	[7892, 6773]
35	[71, 72]	3073	[5324, 4937]	6111	[5280, 8962]	9149	[2693, 11197]
36	[73, 74]	3074	[5325, 5326]	6112	[8963, 3913]	9150	[11198, 6004]
37	[75, 76]	3075	[5327, 5328]	6113	[8964, 8965]	9151	[2712, 11199]
38	[77, 78]	3076	[5329, 5330]	6114	[8966, 5367]	9152	[11200, 11201]
39	[79, 80]	3077	[5331, 4001]	6115	[4306, 8967]	9153	[5949, 11202]
40	[81, 82]	3078	[1385, 5332]	6116	[8968, 8969]	9154	[2125, 8392]
41	[83, 84]	3079	[5333, 5334]	6117	[8970, 1543]	9155	[7951, 3197]
42	[85, 86]	3080	[5335, 4746]	6118	[1735, 8971]	9156	[5788, 2461]
43	[87, 88]	3081	[5336, 1246]	6119	[8972, 8816]	9157	[5783, 883]
44	[89, 90]	3082	[5337, 5338]	6120	[8973, 1555]	9158	[11203, 535]
45	[91, 92]	3083	[4774, 5339]	6121	[5512, 8974]	9159	[11150, 11204]
46	[93, 94]	3084	[1733, 5340]	6122	[8975, 5525]	9160	[7192, 61]
47	[95, 96]	3085	[5341, 5342]	6123	[8976, 8808]	9161	[10914, 6038]
48	[97, 98]	3086	[4555, 5343]	6124	[4014, 8977]	9162	[11205, 678]
49	[99, 100]	3087	[5344, 5345]	6125	[5506, 8978]	9163	[11206, 11207]
50	[101, 24]	3088	[5346, 5347]	6126	[8979, 8980]	9164	[6176, 2325]
51	[102, 103]	3089	[5348, 5349]	6127	[4361, 8981]	9165	[5801, 6832]
52	[104, 105]	3090	[5343, 5150]	6128	[1007, 4585]	9166	[6448, 781]
53	[106, 107]	3091	[5350, 5351]	6129	[8982, 1742]	9167	[11208, 11209]
54	[108, 109]	3092	[3456, 3973]	6130	[4052, 8983]	9168	[2468, 516]
55	[110, 111]	3093	[3906, 5352]	6131	[8984, 8985]	9169	[7432, 569]
56	[112, 113]	3094	[5353, 4120]	6132	[8986, 8809]	9170	[11210, 11211]
57	[114, 115]	3095	[5354, 5355]	6133	[3706, 8987]	9171	[3026, 11212]
58	[116, 117]	3096	[5356, 4350]	6134	[5499, 8988]	9172	[11213, 2435]
59	[118, 119]	3097	[5357, 5358]	6135	[8834, 8989]	9173	[2467, 515]

60	[120, 121]	3098	[5359, 1090]	6136	[8990, 8991]	9174	[8483, 8501]
61	[122, 123]	3099	[4540, 5360]	6137	[407, 1552]	9175	[11214, 6832]
62	[124, 125]	3100	[5361, 5362]	6138	[8959, 4187]	9176	[6520, 220]
63	[126, 127]	3101	[5363, 5364]	6139	[8992, 8677]	9177	[7004, 3058]
64	[128, 129]	3102	[5365, 5366]	6140	[8993, 8994]	9178	[5883, 2959]
65	[130, 131]	3103	[5367, 4600]	6141	[8995, 8996]	9179	[11215, 6290]
66	[132, 133]	3104	[3693, 5368]	6142	[8589, 8997]	9180	[11216, 11217]
67	[134, 135]	3105	[5369, 3555]	6143	[8998, 4241]	9181	[11218, 541]
68	[136, 137]	3106	[1567, 4317]	6144	[3531, 8999]	9182	[2013, 11219]
69	[138, 139]	3107	[3666, 5370]	6145	[9000, 9001]	9183	[6273, 11220]
70	[140, 141]	3108	[1161, 5371]	6146	[9002, 9003]	9184	[10848, 6026]
71	[142, 143]	3109	[5372, 4209]	6147	[8554, 9004]	9185	[6475, 11155]
72	[144, 145]	3110	[3538, 5373]	6148	[8594, 9005]	9186	[6757, 11221]
73	[146, 147]	3111	[5374, 5375]	6149	[3801, 9006]	9187	[7065, 5969]
74	[148, 149]	3112	[5376, 5112]	6150	[9007, 9008]	9188	[11222, 6743]
75	[150, 151]	3113	[1565, 5377]	6151	[9009, 9010]	9189	[7173, 5884]
76	[152, 153]	3114	[5378, 4675]	6152	[1649, 9011]	9190	[8427, 6217]
77	[154, 155]	3115	[5379, 5380]	6153	[9012, 9013]	9191	[7358, 3130]
78	[156, 157]	3116	[5381, 5382]	6154	[9014, 5265]	9192	[2907, 11223]
79	[158, 159]	3117	[5383, 5384]	6155	[1011, 5418]	9193	[11224, 2486]
80	[160, 161]	3118	[5385, 289]	6156	[9015, 5404]	9194	[5796, 11225]
81	[162, 163]	3119	[4759, 4133]	6157	[9016, 9017]	9195	[11226, 11227]
82	[164, 165]	3120	[3575, 5386]	6158	[9018, 1572]	9196	[11227, 11228]
83	[166, 167]	3121	[5387, 5388]	6159	[3568, 9019]	9197	[11009, 11229]
84	[168, 169]	3122	[5389, 3707]	6160	[9020, 9021]	9198	[2061, 3328]
85	[170, 171]	3123	[5390, 5391]	6161	[8905, 9022]	9199	[11230, 11231]
86	[172, 173]	3124	[5392, 5393]	6162	[9023, 1280]	9200	[11232, 11233]
87	[174, 175]	3125	[3494, 5046]	6163	[9024, 9025]	9201	[7015, 11234]
88	[176, 177]	3126	[5394, 5395]	6164	[5127, 487]	9202	[11235, 11236]
89	[178, 179]	3127	[4646, 4365]	6165	[9026, 5076]	9203	[11237, 6559]
90	[180, 181]	3128	[4768, 5396]	6166	[8970, 1807]	9204	[5834, 11091]
91	[182, 183]	3129	[3986, 5397]	6167	[3584, 8643]	9205	[3117, 7901]
92	[184, 185]	3130	[5398, 5399]	6168	[4069, 121]	9206	[2187, 11238]
93	[186, 187]	3131	[5400, 5276]	6169	[9027, 9028]	9207	[11239, 10997]
94	[188, 189]	3132	[5401, 5402]	6170	[9029, 9030]	9208	[11240, 8135]
95	[190, 191]	3133	[5403, 5404]	6171	[9031, 9032]	9209	[11241, 7033]
96	[192, 193]	3134	[4940, 5368]	6172	[8962, 4373]	9210	[11072, 11134]
97	[194, 195]	3135	[1389, 5405]	6173	[8916, 9033]	9211	[7133, 910]
98	[196, 197]	3136	[5406, 5407]	6174	[1642, 8638]	9212	[3051, 3128]
99	[198, 199]	3137	[5408, 3479]	6175	[9034, 9035]	9213	[10893, 10975]
100	[200, 201]	3138	[5409, 4879]	6176	[9036, 9037]	9214	[7975, 11021]
101	[202, 203]	3139	[5410, 1734]	6177	[9038, 8551]	9215	[7692, 11186]
102	[204, 205]	3140	[5084, 5411]	6178	[3576, 9039]	9216	[6939, 2086]
103	[206, 207]	3141	[5412, 5273]	6179	[5715, 9040]	9217	[6246, 573]

104	[208, 209]	3142	[5413, 4986]	6180	[5477, 3578]	9218	[11242, 11243]
105	[210, 211]	3143	[5414, 5415]	6181	[1289, 3476]	9219	[11244, 3335]
106	[212, 213]	3144	[5416, 5417]	6182	[4163, 1293]	9220	[11245, 7112]
107	[214, 215]	3145	[5418, 5419]	6183	[9041, 9042]	9221	[11246, 11247]
108	[216, 217]	3146	[5420, 1586]	6184	[9043, 9044]	9222	[7177, 2535]
109	[218, 219]	3147	[4459, 358]	6185	[4923, 9045]	9223	[3236, 6307]
110	[220, 221]	3148	[5421, 5422]	6186	[5186, 9046]	9224	[11213, 11248]
111	[222, 223]	3149	[5423, 486]	6187	[5584, 9047]	9225	[11118, 3040]
112	[224, 225]	3150	[5424, 4114]	6188	[4592, 9048]	9226	[8297, 7149]
113	[131, 226]	3151	[5425, 5426]	6189	[9049, 9050]	9227	[737, 11249]
114	[227, 228]	3152	[5427, 3928]	6190	[4775, 9051]	9228	[5851, 600]
115	[229, 230]	3153	[5428, 3879]	6191	[9052, 9053]	9229	[11250, 166]
116	[231, 232]	3154	[4794, 5429]	6192	[5236, 8918]	9230	[2208, 8354]
117	[233, 234]	3155	[5430, 5254]	6193	[4616, 3884]	9231	[11251, 11252]
118	[235, 236]	3156	[5431, 5432]	6194	[308, 3710]	9232	[11253, 2815]
119	[237, 238]	3157	[4670, 5433]	6195	[9054, 9055]	9233	[11254, 2268]
120	[239, 240]	3158	[5434, 426]	6196	[9056, 4134]	9234	[11255, 10783]
121	[241, 242]	3159	[5435, 5436]	6197	[1405, 9057]	9235	[11256, 7035]
122	[243, 244]	3160	[5437, 5438]	6198	[5706, 9058]	9236	[6234, 2317]
123	[245, 246]	3161	[5439, 5440]	6199	[9059, 5677]	9237	[6900, 537]
124	[247, 248]	3162	[5441, 5442]	6200	[9060, 9061]	9238	[10970, 2008]
125	[249, 250]	3163	[5443, 5444]	6201	[1631, 8859]	9239	[8411, 11257]
126	[251, 252]	3164	[5445, 1269]	6202	[9062, 8536]	9240	[6328, 11258]
127	[253, 254]	3165	[5446, 5447]	6203	[449, 4886]	9241	[867, 11259]
128	[255, 256]	3166	[16, 5448]	6204	[9063, 9064]	9242	[11260, 7853]
129	[257, 258]	3167	[3717, 3853]	6205	[5269, 4032]	9243	[8452, 11261]
130	[259, 260]	3168	[5449, 5450]	6206	[9065, 5416]	9244	[617, 7828]
131	[261, 262]	3169	[5451, 5452]	6207	[9066, 9067]	9245	[564, 7667]
132	[263, 94]	3170	[1542, 5453]	6208	[4379, 9068]	9246	[8155, 6072]
133	[264, 265]	3171	[5454, 5455]	6209	[9069, 9070]	9247	[6661, 3191]
134	[266, 267]	3172	[3729, 5456]	6210	[9071, 9072]	9248	[11163, 2144]
135	[268, 269]	3173	[5457, 1322]	6211	[4137, 4847]	9249	[11262, 3047]
136	[270, 271]	3174	[5458, 5459]	6212	[3773, 9073]	9250	[7000, 2229]
137	[272, 273]	3175	[5460, 5461]	6213	[9074, 304]	9251	[11164, 6728]
138	[274, 275]	3176	[4884, 5462]	6214	[8676, 9075]	9252	[11263, 7992]
139	[276, 277]	3177	[4029, 4544]	6215	[3418, 9076]	9253	[1930, 6957]
140	[278, 279]	3178	[4210, 4896]	6216	[4237, 4289]	9254	[6315, 2853]
141	[280, 281]	3179	[5463, 3522]	6217	[3401, 413]	9255	[6407, 670]
142	[282, 283]	3180	[5464, 5465]	6218	[5415, 86]	9256	[8507, 11264]
143	[284, 285]	3181	[5466, 5467]	6219	[1807, 1138]	9257	[11247, 7401]
144	[286, 287]	3182	[3472, 5004]	6220	[9077, 9078]	9258	[11265, 11266]
145	[288, 289]	3183	[5468, 430]	6221	[9079, 9080]	9259	[11267, 10903]
146	[290, 291]	3184	[4267, 324]	6222	[9081, 9082]	9260	[47, 7541]
147	[292, 293]	3185	[5469, 5470]	6223	[9083, 446]	9261	[6139, 11268]

148	[294, 295]	3186	[5471, 5472]	6224	[9084, 9085]	9262	[11269, 3085]
149	[296, 297]	3187	[5391, 5473]	6225	[9086, 9087]	9263	[11270, 6401]
150	[298, 299]	3188	[5474, 5475]	6226	[1686, 9088]	9264	[11135, 6726]
151	[300, 301]	3189	[3468, 5476]	6227	[3763, 9089]	9265	[2318, 666]
152	[302, 303]	3190	[4697, 5477]	6228	[4403, 4273]	9266	[7939, 8460]
153	[304, 305]	3191	[5478, 5479]	6229	[294, 9090]	9267	[620, 7712]
154	[306, 307]	3192	[1741, 5480]	6230	[8625, 9091]	9268	[8185, 7510]
155	[308, 309]	3193	[5481, 5482]	6231	[3394, 9092]	9269	[2337, 8089]
156	[310, 311]	3194	[5483, 5484]	6232	[3396, 1018]	9270	[6180, 11271]
157	[312, 313]	3195	[5485, 5486]	6233	[9093, 1172]	9271	[10939, 8144]
158	[314, 315]	3196	[5487, 5488]	6234	[9094, 5496]	9272	[10915, 11272]
159	[316, 317]	3197	[3683, 3429]	6235	[1050, 9095]	9273	[8463, 11273]
160	[318, 319]	3198	[1809, 4757]	6236	[8662, 4023]	9274	[10866, 11274]
161	[320, 321]	3199	[5489, 5490]	6237	[279, 9096]	9275	[2439, 7949]
162	[322, 323]	3200	[5491, 5492]	6238	[9097, 5353]	9276	[11275, 11276]
163	[324, 325]	3201	[5493, 5494]	6239	[3777, 9098]	9277	[7787, 6455]
164	[326, 327]	3202	[124, 5495]	6240	[9099, 9100]	9278	[8242, 11277]
165	[328, 329]	3203	[5496, 5497]	6241	[5005, 9101]	9279	[821, 6490]
166	[330, 331]	3204	[4410, 1024]	6242	[9102, 4066]	9280	[11278, 11279]
167	[332, 333]	3205	[5498, 5499]	6243	[9103, 9104]	9281	[2745, 11280]
168	[334, 335]	3206	[5500, 5501]	6244	[9105, 4321]	9282	[2442, 11202]
169	[336, 337]	3207	[5502, 5503]	6245	[4415, 4889]	9283	[11281, 10892]
170	[338, 339]	3208	[5504, 5505]	6246	[9106, 5018]	9284	[11211, 11282]
171	[340, 341]	3209	[5506, 4249]	6247	[1249, 5662]	9285	[11283, 720]
172	[342, 343]	3210	[5507, 5508]	6248	[9107, 1471]	9286	[8343, 2899]
173	[344, 345]	3211	[5509, 334]	6249	[3843, 9108]	9287	[11284, 6280]
174	[346, 347]	3212	[5510, 4786]	6250	[9109, 399]	9288	[5915, 7182]
175	[348, 349]	3213	[5511, 5512]	6251	[9110, 9111]	9289	[3027, 8368]
176	[350, 351]	3214	[5464, 3504]	6252	[9112, 9113]	9290	[11285, 3110]
177	[352, 353]	3215	[5513, 5514]	6253	[1857, 3614]	9291	[6796, 11286]
178	[354, 355]	3216	[4493, 5515]	6254	[3604, 1358]	9292	[752, 5843]
179	[356, 357]	3217	[5516, 5517]	6255	[9114, 9115]	9293	[7616, 7858]
180	[358, 359]	3218	[4330, 5518]	6256	[5377, 9116]	9294	[11176, 11191]
181	[360, 361]	3219	[4880, 5519]	6257	[9117, 5438]	9295	[2433, 11287]
182	[362, 363]	3220	[5520, 3922]	6258	[8602, 9118]	9296	[2694, 6821]
183	[364, 365]	3221	[5521, 1584]	6259	[9119, 5198]	9297	[6196, 11288]
184	[366, 367]	3222	[5522, 5523]	6260	[9120, 1488]	9298	[3364, 7196]
185	[368, 369]	3223	[4495, 5524]	6261	[9121, 5149]	9299	[11289, 11290]
186	[370, 371]	3224	[5525, 5526]	6262	[9122, 9123]	9300	[8098, 11291]
187	[372, 373]	3225	[4071, 5527]	6263	[9124, 9125]	9301	[7304, 6471]
188	[374, 375]	3226	[5242, 1354]	6264	[9126, 9127]	9302	[3014, 11292]
189	[376, 88]	3227	[5528, 5529]	6265	[9128, 9129]	9303	[2601, 11293]
190	[377, 378]	3228	[5530, 5286]	6266	[9130, 4605]	9304	[151, 11198]
191	[379, 380]	3229	[5531, 5532]	6267	[8787, 8842]	9305	[7889, 7510]

192	[381, 382]	3230	[5533, 1246]	6268	[9131, 9038]	9306	[11182, 7724]
193	[383, 384]	3231	[5534, 5535]	6269	[9132, 9133]	9307	[11294, 11295]
194	[385, 386]	3232	[5536, 5537]	6270	[9134, 9135]	9308	[2991, 2654]
195	[387, 388]	3233	[5538, 5539]	6271	[9136, 9137]	9309	[6988, 1996]
196	[389, 390]	3234	[5540, 5541]	6272	[3540, 9138]	9310	[772, 2077]
197	[391, 392]	3235	[5542, 5543]	6273	[9139, 5251]	9311	[11296, 11297]
198	[393, 394]	3236	[5544, 5545]	6274	[9140, 9141]	9312	[11298, 3264]
199	[395, 396]	3237	[5546, 5547]	6275	[9142, 3564]	9313	[11299, 2536]
200	[397, 398]	3238	[5548, 5549]	6276	[4010, 9143]	9314	[11300, 3165]
201	[399, 400]	3239	[1546, 1835]	6277	[9144, 1185]	9315	[2882, 2456]
202	[401, 402]	3240	[5550, 1534]	6278	[1642, 9145]	9316	[1986, 10767]
203	[403, 404]	3241	[1023, 5551]	6279	[1549, 9146]	9317	[11301, 6622]
204	[405, 406]	3242	[1751, 71]	6280	[9147, 4130]	9318	[11302, 10841]
205	[407, 408]	3243	[5552, 3485]	6281	[9148, 4132]	9319	[7898, 6613]
206	[409, 410]	3244	[5553, 5554]	6282	[9149, 3856]	9320	[6194, 2823]
207	[118, 411]	3245	[5015, 4104]	6283	[1339, 5210]	9321	[8414, 11053]
208	[412, 413]	3246	[5555, 5556]	6284	[9150, 3567]	9322	[11303, 2365]
209	[414, 415]	3247	[4345, 5557]	6285	[9151, 9152]	9323	[11304, 11305]
210	[416, 417]	3248	[5558, 5256]	6286	[1051, 9153]	9324	[11306, 5850]
211	[418, 419]	3249	[4762, 5559]	6287	[9154, 9155]	9325	[11010, 11307]
212	[420, 421]	3250	[3757, 3731]	6288	[9156, 9157]	9326	[158, 6397]
213	[422, 423]	3251	[457, 5560]	6289	[1757, 5235]	9327	[11308, 7329]
214	[424, 425]	3252	[5561, 5562]	6290	[5658, 9158]	9328	[7899, 7035]
215	[426, 427]	3253	[5563, 4622]	6291	[4753, 9159]	9329	[7093, 11309]
216	[428, 429]	3254	[5564, 1687]	6292	[4355, 9160]	9330	[2672, 11310]
217	[430, 431]	3255	[5073, 5565]	6293	[9161, 9162]	9331	[11311, 3351]
218	[432, 433]	3256	[5566, 5567]	6294	[9163, 9164]	9332	[6320, 11312]
219	[434, 435]	3257	[5087, 5137]	6295	[9165, 4245]	9333	[3097, 2156]
220	[436, 437]	3258	[5568, 5569]	6296	[5079, 9166]	9334	[8116, 6487]
221	[438, 439]	3259	[5570, 4265]	6297	[4292, 9167]	9335	[2949, 11313]
222	[440, 441]	3260	[5571, 4576]	6298	[9168, 9169]	9336	[3315, 11314]
223	[442, 443]	3261	[5572, 1626]	6299	[480, 3498]	9337	[11315, 7807]
224	[444, 445]	3262	[5573, 5202]	6300	[9026, 399]	9338	[11316, 11317]
225	[446, 447]	3263	[5574, 4570]	6301	[1045, 9170]	9339	[7164, 11145]
226	[448, 449]	3264	[5575, 4513]	6302	[9171, 5465]	9340	[7075, 7863]
227	[450, 451]	3265	[5576, 371]	6303	[121, 9172]	9341	[5972, 3188]
228	[452, 453]	3266	[1724, 1122]	6304	[1263, 9173]	9342	[11318, 7058]
229	[454, 455]	3267	[5577, 5578]	6305	[9174, 9175]	9343	[6538, 7536]
230	[456, 457]	3268	[5579, 4256]	6306	[9176, 9177]	9344	[51, 11319]
231	[458, 459]	3269	[1626, 5580]	6307	[3553, 9178]	9345	[11320, 11321]
232	[460, 461]	3270	[5581, 1834]	6308	[9179, 9150]	9346	[2889, 11322]
233	[462, 463]	3271	[5582, 5583]	6309	[9180, 9181]	9347	[11307, 11320]
234	[464, 465]	3272	[5584, 5585]	6310	[9182, 9183]	9348	[8153, 11323]
235	[466, 467]	3273	[5586, 5587]	6311	[9184, 9185]	9349	[11324, 11325]

236	[468, 83]	3274	[5588, 5589]	6312	[9186, 1723]	9350	[11326, 6223]
237	[469, 470]	3275	[5590, 5591]	6313	[5569, 8792]	9351	[8271, 7141]
238	[471, 472]	3276	[5592, 5593]	6314	[994, 9187]	9352	[11327, 11328]
239	[473, 474]	3277	[3472, 5594]	6315	[4668, 9188]	9353	[662, 5940]
240	[475, 476]	3278	[5595, 1423]	6316	[9189, 9190]	9354	[1944, 11329]
241	[477, 478]	3279	[4321, 5038]	6317	[1461, 3517]	9355	[11330, 7415]
242	[479, 480]	3280	[4873, 5596]	6318	[9191, 5599]	9356	[10920, 686]
243	[481, 482]	3281	[5597, 3400]	6319	[8605, 9192]	9357	[11331, 8228]
244	[483, 484]	3282	[3405, 5598]	6320	[9193, 9194]	9358	[11332, 5742]
245	[485, 486]	3283	[3564, 3889]	6321	[324, 9195]	9359	[3172, 10849]
246	[487, 488]	3284	[1294, 5599]	6322	[1562, 3661]	9360	[3371, 11333]
247	[489, 490]	3285	[5600, 5601]	6323	[9196, 9197]	9361	[8442, 3114]
248	[491, 492]	3286	[5240, 1647]	6324	[9198, 3612]	9362	[11334, 11335]
249	[493, 494]	3287	[3454, 5602]	6325	[4993, 8732]	9363	[6150, 7600]
250	[495, 496]	3288	[5603, 5604]	6326	[5725, 1708]	9364	[532, 2287]
251	[497, 498]	3289	[5, 5605]	6327	[4333, 9199]	9365	[2203, 11287]
252	[499, 500]	3290	[5606, 4435]	6328	[4699, 3413]	9366	[8265, 11130]
253	[501, 502]	3291	[5607, 5608]	6329	[3855, 9200]	9367	[6481, 6387]
254	[503, 504]	3292	[1789, 5609]	6330	[4085, 1786]	9368	[8064, 924]
255	[505, 506]	3293	[4359, 5610]	6331	[9201, 9202]	9369	[8439, 11184]
256	[507, 508]	3294	[5611, 5612]	6332	[9203, 9204]	9370	[11336, 10873]
257	[509, 510]	3295	[5613, 4360]	6333	[4067, 9205]	9371	[6790, 11337]
258	[511, 512]	3296	[5614, 4362]	6334	[9206, 422]	9372	[6781, 8150]
259	[513, 514]	3297	[4636, 5615]	6335	[1507, 9207]	9373	[7652, 6691]
260	[515, 516]	3298	[5616, 5617]	6336	[4348, 9208]	9374	[11338, 6702]
261	[517, 518]	3299	[5618, 3584]	6337	[1274, 1776]	9375	[11339, 11234]
262	[519, 520]	3300	[5619, 5620]	6338	[9209, 9210]	9376	[2981, 1887]
263	[181, 521]	3301	[4833, 1761]	6339	[1612, 9211]	9377	[3175, 11340]
264	[522, 523]	3302	[5621, 1219]	6340	[9212, 9213]	9378	[11341, 11342]
265	[524, 525]	3303	[5622, 5623]	6341	[9214, 3473]	9379	[11343, 2483]
266	[526, 527]	3304	[5624, 3933]	6342	[1277, 5096]	9380	[11084, 11134]
267	[528, 529]	3305	[5625, 469]	6343	[9215, 4392]	9381	[8100, 11344]
268	[530, 531]	3306	[5626, 1373]	6344	[3428, 3684]	9382	[7754, 11345]
269	[532, 533]	3307	[5471, 5627]	6345	[1740, 4270]	9383	[7950, 11346]
270	[200, 534]	3308	[5628, 5629]	6346	[4257, 9216]	9384	[7558, 8430]
271	[535, 536]	3309	[5630, 5631]	6347	[67, 3480]	9385	[7327, 204]
272	[537, 538]	3310	[5632, 5633]	6348	[9217, 9218]	9386	[3359, 11347]
273	[539, 540]	3311	[5634, 5635]	6349	[9219, 9220]	9387	[11348, 11349]
274	[541, 542]	3312	[1023, 3677]	6350	[9221, 9222]	9388	[11350, 11351]
275	[543, 544]	3313	[5636, 5637]	6351	[9223, 8636]	9389	[8193, 2598]
276	[545, 546]	3314	[4258, 5638]	6352	[1793, 8875]	9390	[1863, 6229]
277	[547, 548]	3315	[5639, 5640]	6353	[9224, 1392]	9391	[6889, 11352]
278	[549, 550]	3316	[5628, 5420]	6354	[5173, 9225]	9392	[7601, 11067]
279	[551, 552]	3317	[3639, 5641]	6355	[9226, 4415]	9393	[11353, 6252]

280	[553, 554]	3318	[5642, 3531]	6356	[9227, 9228]	9394	[6322, 7589]
281	[555, 556]	3319	[5643, 1148]	6357	[1132, 9229]	9395	[11354, 11355]
282	[557, 558]	3320	[5644, 5645]	6358	[8738, 1306]	9396	[11234, 504]
283	[559, 560]	3321	[3688, 5646]	6359	[9230, 1476]	9397	[2084, 5761]
284	[561, 562]	3322	[5647, 5648]	6360	[1022, 3676]	9398	[723, 6197]
285	[563, 564]	3323	[5649, 5650]	6361	[9231, 1468]	9399	[38, 11356]
286	[565, 566]	3324	[5651, 4781]	6362	[4765, 4957]	9400	[6856, 11357]
287	[567, 568]	3325	[4571, 5652]	6363	[9232, 9233]	9401	[7725, 925]
288	[569, 570]	3326	[5653, 5654]	6364	[3870, 9234]	9402	[5995, 6669]
289	[571, 572]	3327	[4950, 4568]	6365	[9235, 9236]	9403	[11358, 11359]
290	[573, 574]	3328	[5655, 5656]	6366	[5417, 9237]	9404	[11302, 11360]
291	[575, 576]	3329	[5657, 5658]	6367	[3705, 8689]	9405	[11361, 10909]
292	[577, 578]	3330	[5659, 3836]	6368	[9238, 4551]	9406	[11362, 584]
293	[579, 174]	3331	[5660, 5661]	6369	[3844, 9117]	9407	[11363, 7780]
294	[580, 581]	3332	[4461, 3993]	6370	[5704, 5429]	9408	[2637, 11364]
295	[582, 583]	3333	[5662, 5663]	6371	[8860, 9239]	9409	[11365, 7432]
296	[584, 585]	3334	[5664, 22]	6372	[3623, 9240]	9410	[11366, 11367]
297	[586, 587]	3335	[5665, 5666]	6373	[9241, 9242]	9411	[2435, 11368]
298	[588, 589]	3336	[85, 4686]	6374	[9243, 3646]	9412	[11369, 3243]
299	[590, 591]	3337	[4595, 5667]	6375	[1112, 482]	9413	[5961, 8478]
300	[592, 593]	3338	[5668, 5669]	6376	[313, 9244]	9414	[6935, 6949]
301	[594, 595]	3339	[4789, 5670]	6377	[3519, 3891]	9415	[6251, 6607]
302	[596, 597]	3340	[4240, 4504]	6378	[3839, 1685]	9416	[3225, 11370]
303	[598, 599]	3341	[5671, 5672]	6379	[9245, 8897]	9417	[2693, 11371]
304	[600, 601]	3342	[5031, 5673]	6380	[5161, 9246]	9418	[11372, 946]
305	[602, 603]	3343	[4135, 5674]	6381	[9247, 9248]	9419	[11373, 11374]
306	[604, 605]	3344	[3864, 3956]	6382	[9249, 9250]	9420	[8007, 11375]
307	[606, 607]	3345	[5675, 5676]	6383	[9251, 9252]	9421	[11260, 7913]
308	[608, 609]	3346	[4338, 4292]	6384	[3881, 5163]	9422	[11376, 11377]
309	[610, 611]	3347	[5677, 4216]	6385	[9253, 3852]	9423	[7181, 2822]
310	[612, 613]	3348	[5678, 5679]	6386	[9254, 9255]	9424	[7221, 3221]
311	[614, 615]	3349	[5680, 5681]	6387	[9256, 9257]	9425	[563, 11378]
312	[616, 617]	3350	[5682, 5683]	6388	[8868, 8779]	9426	[11252, 11379]
313	[618, 619]	3351	[5684, 4188]	6389	[9258, 1272]	9427	[11380, 11381]
314	[620, 621]	3352	[5685, 4761]	6390	[9259, 9260]	9428	[2790, 3079]
315	[622, 623]	3353	[5686, 5687]	6391	[9261, 8624]	9429	[6043, 11382]
316	[624, 625]	3354	[5250, 5688]	6392	[4731, 5692]	9430	[11383, 8442]
317	[626, 627]	3355	[5689, 5690]	6393	[9262, 1664]	9431	[751, 11384]
318	[628, 629]	3356	[5148, 5691]	6394	[8828, 4065]	9432	[6741, 11385]
319	[630, 631]	3357	[5692, 5693]	6395	[5674, 9263]	9433	[8301, 2273]
320	[632, 633]	3358	[5694, 5695]	6396	[5555, 5065]	9434	[7611, 594]
321	[634, 635]	3359	[5696, 3526]	6397	[9264, 5345]	9435	[11386, 8252]
322	[636, 637]	3360	[3866, 4243]	6398	[9265, 336]	9436	[11387, 3282]
323	[638, 639]	3361	[5697, 4972]	6399	[9266, 1809]	9437	[8248, 6597]

324	[640, 641]	3362	[5698, 5699]	6400	[5551, 9267]	9438	[5946, 7610]
325	[642, 643]	3363	[5700, 5701]	6401	[9268, 9269]	9439	[11106, 11207]
326	[644, 645]	3364	[5702, 5703]	6402	[9270, 4630]	9440	[5848, 11388]
327	[646, 647]	3365	[5704, 4795]	6403	[8708, 9271]	9441	[11389, 2669]
328	[648, 649]	3366	[5705, 5706]	6404	[9272, 1386]	9442	[11390, 11391]
329	[650, 651]	3367	[5707, 4261]	6405	[9273, 5154]	9443	[1999, 10790]
330	[652, 653]	3368	[4812, 4825]	6406	[9072, 9274]	9444	[2492, 6497]
331	[654, 655]	3369	[5708, 5709]	6407	[5365, 3745]	9445	[11392, 8481]
332	[656, 657]	3370	[1208, 5710]	6408	[9275, 9276]	9446	[11393, 2031]
333	[658, 659]	3371	[5711, 5712]	6409	[9277, 9278]	9447	[10784, 8204]
334	[660, 661]	3372	[5713, 5714]	6410	[9279, 9280]	9448	[10936, 3069]
335	[662, 663]	3373	[5386, 5715]	6411	[4423, 9281]	9449	[11394, 5901]
336	[664, 665]	3374	[5716, 5717]	6412	[9282, 1618]	9450	[10993, 6444]
337	[666, 667]	3375	[4083, 5718]	6413	[9283, 5349]	9451	[2589, 11395]
338	[668, 669]	3376	[3854, 5719]	6414	[4277, 5348]	9452	[11396, 11397]
339	[670, 671]	3377	[272, 105]	6415	[1084, 9284]	9453	[8466, 2394]
340	[672, 673]	3378	[5720, 5394]	6416	[9285, 9286]	9454	[782, 11143]
341	[674, 675]	3379	[4486, 5721]	6417	[8682, 9287]	9455	[7314, 569]
342	[676, 677]	3380	[5722, 5723]	6418	[9288, 9289]	9456	[8331, 11398]
343	[678, 679]	3381	[5724, 5725]	6419	[9290, 9291]	9457	[194, 6902]
344	[680, 681]	3382	[4826, 5726]	6420	[8951, 8762]	9458	[6825, 595]
345	[682, 683]	3383	[5727, 5728]	6421	[5255, 9292]	9459	[11399, 11400]
346	[684, 685]	3384	[5729, 1795]	6422	[9293, 9294]	9460	[11401, 7595]
347	[686, 687]	3385	[5730, 3820]	6423	[9295, 4371]	9461	[907, 3350]
348	[688, 689]	3386	[5731, 3674]	6424	[9296, 9297]	9462	[7576, 11402]
349	[690, 691]	3387	[5732, 5733]	6425	[9298, 3726]	9463	[6299, 6326]
350	[692, 693]	3388	[5734, 5735]	6426	[9299, 9300]	9464	[6755, 11188]
351	[580, 694]	3389	[5736, 3496]	6427	[9224, 5061]	9465	[7426, 3093]
352	[695, 696]	3390	[5737, 1124]	6428	[9120, 9301]	9466	[6981, 11403]
353	[697, 698]	3391	[5738, 5739]	6429	[9302, 9303]	9467	[11404, 11405]
354	[129, 699]	3392	[4299, 5740]	6430	[9304, 9305]	9468	[7187, 2871]
355	[700, 701]	3393	[5741, 5742]	6431	[1390, 8742]	9469	[2796, 11406]
356	[702, 703]	3394	[5743, 5744]	6432	[4685, 5]	9470	[3153, 11407]
357	[704, 705]	3395	[1909, 1945]	6433	[1844, 5249]	9471	[6853, 598]
358	[706, 707]	3396	[5745, 5746]	6434	[9306, 9307]	9472	[5878, 11034]
359	[708, 709]	3397	[720, 5747]	6435	[9308, 9030]	9473	[2597, 8194]
360	[710, 711]	3398	[5748, 5749]	6436	[4294, 9309]	9474	[11230, 11408]
361	[712, 713]	3399	[554, 5750]	6437	[9310, 9155]	9475	[11409, 8374]
362	[714, 715]	3400	[5751, 3295]	6438	[5054, 3955]	9476	[11410, 11411]
363	[716, 717]	3401	[5752, 5753]	6439	[4669, 9311]	9477	[11215, 5966]
364	[718, 719]	3402	[3218, 5754]	6440	[9312, 9313]	9478	[11412, 6811]
365	[720, 721]	3403	[5755, 5756]	6441	[9314, 9315]	9479	[7279, 7419]
366	[722, 723]	3404	[5757, 3061]	6442	[8769, 9316]	9480	[6742, 11413]
367	[724, 725]	3405	[5758, 5759]	6443	[1264, 9317]	9481	[2562, 6364]

368	[726, 727]	3406	[5760, 5761]	6444	[9318, 4431]	9482	[6869, 7099]
369	[728, 729]	3407	[5762, 5763]	6445	[3999, 8770]	9483	[2765, 2231]
370	[730, 731]	3408	[5764, 5765]	6446	[4191, 9319]	9484	[10992, 11414]
371	[732, 733]	3409	[5766, 5767]	6447	[9320, 333]	9485	[7925, 11415]
372	[734, 735]	3410	[2300, 5768]	6448	[1817, 9321]	9486	[56, 530]
373	[736, 737]	3411	[5769, 5770]	6449	[9322, 1244]	9487	[11416, 529]
374	[738, 739]	3412	[905, 5771]	6450	[4917, 9323]	9488	[8315, 2151]
375	[740, 741]	3413	[5772, 5773]	6451	[9324, 119]	9489	[7268, 10780]
376	[742, 743]	3414	[5774, 5775]	6452	[9325, 9326]	9490	[2002, 11417]
377	[744, 745]	3415	[5776, 5777]	6453	[3470, 9327]	9491	[2310, 7494]
378	[746, 747]	3416	[3256, 5778]	6454	[5650, 8626]	9492	[7512, 906]
379	[748, 749]	3417	[5779, 5780]	6455	[1350, 350]	9493	[2391, 11051]
380	[750, 751]	3418	[5781, 5782]	6456	[5200, 9328]	9494	[8099, 939]
381	[752, 753]	3419	[2013, 2428]	6457	[9329, 9330]	9495	[504, 2504]
382	[754, 755]	3420	[5783, 3016]	6458	[3697, 9205]	9496	[6687, 11418]
383	[756, 757]	3421	[593, 3154]	6459	[9331, 9332]	9497	[7953, 2821]
384	[758, 759]	3422	[5784, 5785]	6460	[9333, 9334]	9498	[6659, 11419]
385	[760, 761]	3423	[5786, 5787]	6461	[4117, 9335]	9499	[11326, 8374]
386	[522, 762]	3424	[5788, 5789]	6462	[4121, 9336]	9500	[11420, 7518]
387	[763, 764]	3425	[5790, 3158]	6463	[9337, 5380]	9501	[11421, 8210]
388	[765, 766]	3426	[5791, 1925]	6464	[3467, 9338]	9502	[6098, 10888]
389	[767, 768]	3427	[5792, 3000]	6465	[4426, 9339]	9503	[6001, 11197]
390	[769, 770]	3428	[5793, 5794]	6466	[9340, 5590]	9504	[11422, 11423]
391	[771, 772]	3429	[5795, 5796]	6467	[9341, 1381]	9505	[11376, 11424]
392	[773, 774]	3430	[2592, 5797]	6468	[9342, 9343]	9506	[1907, 6849]
393	[775, 776]	3431	[5798, 5799]	6469	[5146, 9344]	9507	[7591, 11425]
394	[777, 778]	3432	[5800, 2469]	6470	[8985, 9345]	9508	[6810, 7994]
395	[779, 780]	3433	[5801, 1890]	6471	[9346, 9347]	9509	[11426, 2224]
396	[781, 735]	3434	[5802, 3082]	6472	[4017, 9348]	9510	[8130, 11427]
397	[782, 783]	3435	[5803, 5804]	6473	[9349, 9242]	9511	[11428, 1920]
398	[784, 785]	3436	[2171, 5805]	6474	[4762, 9350]	9512	[11429, 11430]
399	[786, 787]	3437	[5806, 5807]	6475	[9351, 9352]	9513	[11431, 11432]
400	[788, 789]	3438	[711, 5808]	6476	[1428, 1530]	9514	[2307, 11096]
401	[790, 791]	3439	[707, 5809]	6477	[9353, 3734]	9515	[11433, 8340]
402	[792, 793]	3440	[5810, 5811]	6478	[9354, 1099]	9516	[2860, 580]
403	[794, 795]	3441	[5812, 5813]	6479	[9355, 1085]	9517	[6062, 10829]
404	[796, 797]	3442	[5814, 5815]	6480	[4266, 9356]	9518	[747, 11212]
405	[798, 799]	3443	[5816, 5817]	6481	[5396, 5042]	9519	[3117, 11434]
406	[800, 801]	3444	[5818, 2719]	6482	[4915, 9357]	9520	[2332, 2753]
407	[802, 803]	3445	[5819, 2308]	6483	[9358, 5328]	9521	[2994, 2684]
408	[804, 805]	3446	[5820, 5821]	6484	[9359, 9360]	9522	[10756, 11258]
409	[806, 807]	3447	[1999, 203]	6485	[9361, 8554]	9523	[10880, 7833]
410	[808, 809]	3448	[5822, 5823]	6486	[9362, 9363]	9524	[11435, 11436]
411	[810, 811]	3449	[5824, 3314]	6487	[9364, 3544]	9525	[6290, 11437]

412	[812, 813]	3450	[5825, 5826]	6488	[4063, 9365]	9526	[11438, 11439]
413	[814, 815]	3451	[5827, 3120]	6489	[9366, 9367]	9527	[2893, 10919]
414	[206, 816]	3452	[5828, 5829]	6490	[5169, 4291]	9528	[11440, 11441]
415	[817, 818]	3453	[2260, 5830]	6491	[366, 9368]	9529	[6820, 2695]
416	[819, 820]	3454	[962, 2761]	6492	[4253, 9369]	9530	[11442, 2517]
417	[821, 822]	3455	[5831, 5832]	6493	[9370, 9371]	9531	[7368, 7843]
418	[823, 824]	3456	[5833, 5834]	6494	[9372, 9373]	9532	[7965, 11443]
419	[825, 826]	3457	[3075, 5835]	6495	[9374, 9375]	9533	[3281, 11444]
420	[827, 828]	3458	[1977, 1882]	6496	[9376, 9377]	9534	[8409, 8472]
421	[829, 830]	3459	[5836, 5837]	6497	[5399, 5121]	9535	[7155, 11123]
422	[831, 832]	3460	[5838, 5839]	6498	[1198, 9144]	9536	[6024, 2424]
423	[833, 834]	3461	[5840, 5841]	6499	[5407, 4091]	9537	[5980, 6313]
424	[835, 836]	3462	[3039, 5842]	6500	[9378, 9379]	9538	[11445, 6769]
425	[837, 838]	3463	[5843, 2705]	6501	[9380, 9381]	9539	[3353, 7441]
426	[839, 840]	3464	[775, 5844]	6502	[9382, 4535]	9540	[727, 7157]
427	[841, 159]	3465	[2265, 5845]	6503	[9383, 9384]	9541	[7574, 10900]
428	[842, 843]	3466	[5846, 5847]	6504	[9385, 9010]	9542	[6291, 187]
429	[844, 845]	3467	[5848, 5849]	6505	[9386, 9387]	9543	[7530, 11347]
430	[846, 847]	3468	[5850, 5851]	6506	[1712, 9388]	9544	[6359, 11446]
431	[848, 849]	3469	[5852, 2420]	6507	[9389, 8642]	9545	[806, 11447]
432	[850, 851]	3470	[5853, 5854]	6508	[9390, 9391]	9546	[6437, 5888]
433	[852, 853]	3471	[5855, 5856]	6509	[8957, 9392]	9547	[8033, 818]
434	[854, 855]	3472	[5857, 5858]	6510	[4036, 9393]	9548	[10939, 11089]
435	[856, 225]	3473	[5859, 5860]	6511	[9394, 9395]	9549	[11448, 7478]
436	[857, 858]	3474	[5861, 5862]	6512	[4619, 4823]	9550	[7141, 957]
437	[859, 825]	3475	[5863, 3176]	6513	[4243, 5531]	9551	[11449, 11450]
438	[860, 861]	3476	[5864, 5865]	6514	[9396, 120]	9552	[11451, 2498]
439	[862, 863]	3477	[5866, 3210]	6515	[3747, 9274]	9553	[6385, 11191]
440	[864, 865]	3478	[5867, 5868]	6516	[9397, 1737]	9554	[2071, 7702]
441	[866, 867]	3479	[5869, 2186]	6517	[367, 9398]	9555	[11452, 11453]
442	[868, 869]	3480	[2831, 2222]	6518	[3756, 9399]	9556	[7654, 11454]
443	[870, 732]	3481	[2565, 604]	6519	[4919, 9400]	9557	[11455, 7736]
444	[871, 872]	3482	[5870, 5871]	6520	[9401, 5448]	9558	[8306, 2657]
445	[873, 874]	3483	[5872, 5873]	6521	[4767, 3625]	9559	[6738, 7604]
446	[875, 876]	3484	[5874, 5875]	6522	[1093, 8532]	9560	[7296, 729]
447	[877, 878]	3485	[5876, 5877]	6523	[9402, 8824]	9561	[5935, 2409]
448	[879, 880]	3486	[5878, 5879]	6524	[9403, 9404]	9562	[6668, 2801]
449	[881, 882]	3487	[5880, 5881]	6525	[4897, 9405]	9563	[6106, 565]
450	[883, 884]	3488	[5882, 5883]	6526	[8972, 1066]	9564	[3283, 10930]
451	[885, 886]	3489	[5884, 2999]	6527	[9406, 9407]	9565	[10863, 11456]
452	[887, 888]	3490	[2276, 5885]	6528	[3946, 1171]	9566	[10991, 8045]
453	[889, 890]	3491	[5886, 5887]	6529	[9171, 3504]	9567	[11457, 11458]
454	[891, 182]	3492	[5888, 679]	6530	[1553, 9350]	9568	[10938, 8143]
455	[892, 49]	3493	[5889, 5890]	6531	[4161, 5562]	9569	[2478, 3163]

456	[893, 894]	3494	[5891, 5892]	6532	[9408, 9409]	9570	[6703, 6710]
457	[895, 896]	3495	[5893, 5894]	6533	[9410, 9411]	9571	[6239, 3094]
458	[897, 898]	3496	[5895, 5896]	6534	[9412, 9413]	9572	[8426, 2234]
459	[899, 900]	3497	[5897, 5824]	6535	[4315, 9414]	9573	[8107, 7796]
460	[901, 902]	3498	[824, 2150]	6536	[9274, 9415]	9574	[6551, 7723]
461	[903, 904]	3499	[5898, 1981]	6537	[9416, 9417]	9575	[6363, 11459]
462	[905, 906]	3500	[5899, 5900]	6538	[9418, 4707]	9576	[7831, 5807]
463	[907, 908]	3501	[5901, 5902]	6539	[5562, 5708]	9577	[6908, 8386]
464	[909, 910]	3502	[2857, 5903]	6540	[8697, 275]	9578	[8331, 2153]
465	[911, 912]	3503	[5904, 5905]	6541	[9419, 9420]	9579	[2065, 3295]
466	[913, 914]	3504	[3376, 5906]	6542	[9421, 9422]	9580	[11460, 11461]
467	[915, 168]	3505	[5907, 2707]	6543	[1769, 1443]	9581	[11462, 11463]
468	[916, 917]	3506	[2203, 2434]	6544	[3427, 9423]	9582	[11464, 11465]
469	[918, 919]	3507	[5908, 5909]	6545	[8591, 9424]	9583	[5809, 6306]
470	[920, 921]	3508	[5910, 5911]	6546	[9425, 4584]	9584	[11466, 11467]
471	[922, 923]	3509	[5912, 708]	6547	[1468, 9426]	9585	[2861, 6240]
472	[924, 925]	3510	[2491, 5913]	6548	[9244, 5594]	9586	[533, 11449]
473	[926, 927]	3511	[5914, 568]	6549	[9427, 3835]	9587	[55, 2087]
474	[928, 929]	3512	[5884, 5915]	6550	[9428, 1660]	9588	[11468, 7543]
475	[930, 931]	3513	[5916, 5917]	6551	[9429, 9430]	9589	[11469, 2410]
476	[932, 933]	3514	[5918, 597]	6552	[9431, 9432]	9590	[11265, 8388]
477	[934, 935]	3515	[5919, 5920]	6553	[9433, 5154]	9591	[3264, 11264]
478	[936, 937]	3516	[2147, 5921]	6554	[9434, 9435]	9592	[11470, 6901]
479	[938, 939]	3517	[2731, 5922]	6555	[9436, 5091]	9593	[11471, 11472]
480	[940, 941]	3518	[5923, 2171]	6556	[4868, 9437]	9594	[11473, 3096]
481	[942, 943]	3519	[5924, 5925]	6557	[9438, 9439]	9595	[6047, 7264]
482	[944, 945]	3520	[5771, 5926]	6558	[8851, 9440]	9596	[11474, 11475]
483	[946, 947]	3521	[5927, 5928]	6559	[9441, 9442]	9597	[10921, 11476]
484	[948, 949]	3522	[5928, 5929]	6560	[9443, 9444]	9598	[8468, 11477]
485	[950, 951]	3523	[5930, 5931]	6561	[5622, 4265]	9599	[11478, 5776]
486	[603, 210]	3524	[666, 5932]	6562	[9445, 1806]	9600	[6282, 6119]
487	[952, 953]	3525	[5933, 5934]	6563	[9446, 1607]	9601	[11434, 11479]
488	[954, 955]	3526	[2587, 5935]	6564	[9425, 4726]	9602	[11421, 6730]
489	[956, 957]	3527	[5936, 5937]	6565	[9447, 9448]	9603	[8342, 1982]
490	[958, 959]	3528	[5938, 2858]	6566	[5442, 1292]	9604	[6300, 6570]
491	[960, 650]	3529	[5939, 5940]	6567	[9449, 9450]	9605	[11480, 2401]
492	[961, 962]	3530	[5941, 3196]	6568	[9451, 9452]	9606	[6842, 648]
493	[963, 964]	3531	[5942, 5943]	6569	[4913, 9453]	9607	[11481, 6018]
494	[965, 966]	3532	[5944, 5945]	6570	[5252, 9454]	9608	[6048, 11482]
495	[967, 968]	3533	[5946, 5947]	6571	[9455, 9060]	9609	[6213, 7043]
496	[969, 970]	3534	[5948, 2196]	6572	[5529, 9456]	9610	[2923, 11483]
497	[971, 972]	3535	[5949, 2443]	6573	[5286, 9457]	9611	[8359, 8070]
498	[973, 974]	3536	[5950, 5951]	6574	[4383, 4871]	9612	[8298, 34]
499	[975, 976]	3537	[5952, 5953]	6575	[3805, 8971]	9613	[11484, 5931]

500	[977, 978]	3538	[5954, 5955]	6576	[9458, 4541]	9614	[11485, 11408]
501	[979, 980]	3539	[5956, 5957]	6577	[9285, 4838]	9615	[2998, 5915]
502	[981, 982]	3540	[5958, 237]	6578	[5326, 8942]	9616	[173, 11065]
503	[983, 984]	3541	[3109, 5959]	6579	[9459, 9460]	9617	[2945, 229]
504	[985, 986]	3542	[2484, 5960]	6580	[9461, 9462]	9618	[7593, 11158]
505	[987, 988]	3543	[5961, 5962]	6581	[9098, 9463]	9619	[11486, 11062]
506	[989, 990]	3544	[5963, 5964]	6582	[5661, 9464]	9620	[11487, 11488]
507	[991, 992]	3545	[5965, 5966]	6583	[9465, 1075]	9621	[11489, 11490]
508	[993, 994]	3546	[5967, 5968]	6584	[9466, 9392]	9622	[11491, 7704]
509	[995, 996]	3547	[5969, 5970]	6585	[5327, 9467]	9623	[6565, 3144]
510	[997, 998]	3548	[5971, 5972]	6586	[9468, 4427]	9624	[3216, 11049]
511	[999, 1000]	3549	[5973, 5974]	6587	[1496, 9469]	9625	[8455, 8415]
512	[1001, 988]	3550	[5975, 5976]	6588	[4399, 9470]	9626	[11492, 6522]
513	[1002, 1003]	3551	[5977, 5978]	6589	[3851, 9471]	9627	[5955, 7094]
514	[1004, 1005]	3552	[2589, 5979]	6590	[1713, 9427]	9628	[11179, 7668]
515	[1006, 1007]	3553	[5881, 5980]	6591	[9472, 4734]	9629	[6720, 11493]
516	[1008, 1009]	3554	[2999, 5981]	6592	[5281, 89]	9630	[11494, 2216]
517	[1010, 1011]	3555	[5982, 5983]	6593	[9473, 5639]	9631	[3276, 11495]
518	[1012, 1013]	3556	[5984, 5985]	6594	[9474, 9475]	9632	[11496, 2106]
519	[1014, 1015]	3557	[5986, 5987]	6595	[9476, 9477]	9633	[6257, 2268]
520	[259, 1016]	3558	[5988, 5989]	6596	[5236, 9478]	9634	[8203, 7304]
521	[359, 1017]	3559	[5990, 5991]	6597	[9479, 9480]	9635	[10966, 866]
522	[1018, 1019]	3560	[3337, 5992]	6598	[9481, 5081]	9636	[7815, 10781]
523	[1020, 1021]	3561	[5993, 5994]	6599	[9432, 9482]	9637	[2053, 6512]
524	[1022, 1023]	3562	[5995, 5996]	6600	[388, 9483]	9638	[7718, 677]
525	[1024, 1025]	3563	[5997, 5998]	6601	[4232, 1705]	9639	[11497, 11498]
526	[1026, 1027]	3564	[5970, 5999]	6602	[4940, 9484]	9640	[11499, 7490]
527	[1028, 1029]	3565	[2222, 6000]	6603	[9485, 8590]	9641	[7423, 7804]
528	[1030, 1031]	3566	[2692, 6001]	6604	[28, 9486]	9642	[7788, 11500]
529	[1032, 1033]	3567	[6002, 6003]	6605	[9487, 9060]	9643	[7520, 3191]
530	[111, 1034]	3568	[6004, 6005]	6606	[3564, 8775]	9644	[7389, 11501]
531	[1035, 1036]	3569	[3330, 6006]	6607	[8974, 9488]	9645	[11502, 3254]
532	[1037, 1038]	3570	[6007, 2207]	6608	[9489, 261]	9646	[7137, 8274]
533	[1039, 1040]	3571	[3057, 6008]	6609	[9490, 5475]	9647	[10996, 11503]
534	[1041, 1042]	3572	[673, 6009]	6610	[9491, 9492]	9648	[7424, 2191]
535	[1043, 1044]	3573	[5843, 6010]	6611	[9093, 4876]	9649	[11128, 3341]
536	[1045, 1046]	3574	[686, 6011]	6612	[316, 1354]	9650	[2773, 682]
537	[1047, 1048]	3575	[762, 6012]	6613	[9493, 9494]	9651	[7798, 11504]
538	[1049, 1050]	3576	[6013, 6014]	6614	[9495, 9496]	9652	[6713, 11505]
539	[1051, 1052]	3577	[6015, 3017]	6615	[9395, 9497]	9653	[3098, 11506]
540	[1053, 1054]	3578	[6016, 6017]	6616	[9498, 1207]	9654	[2886, 7454]
541	[1055, 1056]	3579	[6018, 6019]	6617	[8948, 4387]	9655	[7968, 11507]
542	[1057, 1058]	3580	[3314, 6020]	6618	[9499, 3926]	9656	[3178, 7333]
543	[1059, 1060]	3581	[6021, 2713]	6619	[4036, 4697]	9657	[6726, 10948]

544	[1061, 1062]	3582	[6022, 6023]	6620	[9500, 9365]	9658	[922, 6248]
545	[1063, 1064]	3583	[6024, 6025]	6621	[5034, 1603]	9659	[2474, 6465]
546	[1065, 1066]	3584	[6026, 6027]	6622	[9501, 9502]	9660	[11508, 6771]
547	[1067, 1068]	3585	[213, 6028]	6623	[9338, 9503]	9661	[6056, 11509]
548	[1069, 1070]	3586	[938, 6029]	6624	[9504, 9304]	9662	[11420, 10891]
549	[1071, 389]	3587	[6030, 6031]	6625	[9505, 9311]	9663	[11510, 11007]
550	[1072, 1073]	3588	[6032, 3104]	6626	[4223, 9506]	9664	[8285, 11511]
551	[1074, 1075]	3589	[3320, 6033]	6627	[8623, 9507]	9665	[8287, 6926]
552	[1076, 1077]	3590	[6034, 6035]	6628	[5474, 9508]	9666	[10965, 3012]
553	[1078, 1079]	3591	[2184, 6036]	6629	[5027, 9509]	9667	[11512, 11513]
554	[1080, 1081]	3592	[6037, 6038]	6630	[5309, 9510]	9668	[11514, 871]
555	[1082, 1083]	3593	[6039, 6040]	6631	[9455, 9511]	9669	[3093, 11066]
556	[1084, 1085]	3594	[2173, 6041]	6632	[9512, 9513]	9670	[7354, 11515]
557	[1086, 1087]	3595	[3392, 6042]	6633	[9514, 9515]	9671	[11105, 11516]
558	[1088, 1089]	3596	[2301, 2639]	6634	[9516, 3857]	9672	[823, 8224]
559	[1090, 1091]	3597	[3334, 6043]	6635	[9517, 9518]	9673	[8441, 11517]
560	[1092, 1093]	3598	[6044, 3083]	6636	[4967, 4429]	9674	[6364, 8083]
561	[1094, 1095]	3599	[6045, 6046]	6637	[9519, 3724]	9675	[932, 5839]
562	[1096, 1097]	3600	[2062, 3329]	6638	[9520, 4463]	9676	[8475, 3170]
563	[1098, 1099]	3601	[843, 6047]	6639	[9521, 4169]	9677	[8386, 2628]
564	[1100, 1101]	3602	[5939, 663]	6640	[9522, 9523]	9678	[11311, 7736]
565	[1102, 1103]	3603	[5914, 6048]	6641	[1239, 404]	9679	[11518, 6783]
566	[1104, 1105]	3604	[5847, 2988]	6642	[4124, 9524]	9680	[11519, 11520]
567	[1106, 1107]	3605	[6049, 6050]	6643	[9525, 9526]	9681	[11521, 6210]
568	[1108, 95]	3606	[858, 6051]	6644	[9527, 9528]	9682	[6776, 11522]
569	[1109, 1110]	3607	[6052, 6053]	6645	[9529, 4162]	9683	[11250, 7234]
570	[1111, 1112]	3608	[6054, 2704]	6646	[9530, 9531]	9684	[11523, 11524]
571	[1113, 1114]	3609	[6055, 6056]	6647	[8764, 4224]	9685	[11491, 7947]
572	[392, 1115]	3610	[6057, 6058]	6648	[9532, 4853]	9686	[11361, 10964]
573	[1116, 1117]	3611	[6059, 2814]	6649	[9533, 9534]	9687	[11525, 11526]
574	[1118, 1119]	3612	[6060, 6061]	6650	[9535, 9536]	9688	[11527, 10814]
575	[1120, 1121]	3613	[3328, 6062]	6651	[9537, 9538]	9689	[11528, 515]
576	[1122, 1123]	3614	[3162, 6063]	6652	[4620, 9539]	9690	[8501, 11529]
577	[1029, 1124]	3615	[6064, 6065]	6653	[9540, 9541]	9691	[2842, 8021]
578	[1125, 1126]	3616	[6066, 6067]	6654	[9330, 9542]	9692	[11379, 11530]
579	[1127, 1128]	3617	[6068, 6069]	6655	[9241, 9543]	9693	[11531, 7687]
580	[1129, 1130]	3618	[6070, 6071]	6656	[9544, 9545]	9694	[7236, 11532]
581	[1131, 1132]	3619	[6072, 6073]	6657	[4959, 9546]	9695	[7657, 10952]
582	[1133, 1134]	3620	[6074, 6075]	6658	[9547, 1329]	9696	[698, 3113]
583	[1091, 1135]	3621	[6076, 6077]	6659	[9473, 4432]	9697	[11533, 2928]
584	[1136, 1137]	3622	[2325, 6078]	6660	[9548, 9549]	9698	[6668, 579]
585	[1138, 1139]	3623	[6079, 6080]	6661	[9352, 9550]	9699	[6711, 8172]
586	[1140, 1141]	3624	[6081, 6082]	6662	[4790, 4164]	9700	[6206, 11534]
587	[1142, 1143]	3625	[6083, 6084]	6663	[8516, 9551]	9701	[6007, 8221]

588	[1144, 1145]	3626	[6085, 6086]	6664	[9552, 65]	9702	[1884, 11535]
589	[1146, 1147]	3627	[6087, 6088]	6665	[9553, 9554]	9703	[11320, 11352]
590	[1148, 1149]	3628	[2530, 6089]	6666	[9555, 4521]	9704	[3052, 7852]
591	[1150, 1151]	3629	[6090, 6091]	6667	[4850, 9556]	9705	[3103, 7126]
592	[1152, 1153]	3630	[177, 6092]	6668	[9557, 4921]	9706	[11308, 11536]
593	[1154, 1155]	3631	[6093, 2563]	6669	[9558, 9559]	9707	[2667, 917]
594	[1156, 1157]	3632	[2939, 969]	6670	[8828, 3414]	9708	[11537, 7560]
595	[1158, 1159]	3633	[6094, 6095]	6671	[1783, 5265]	9709	[11494, 6796]
596	[1160, 1161]	3634	[6096, 6097]	6672	[317, 4214]	9710	[11538, 6786]
597	[1162, 1163]	3635	[6098, 6099]	6673	[9560, 9561]	9711	[11539, 8094]
598	[1164, 1165]	3636	[3280, 6100]	6674	[4095, 1544]	9712	[800, 6977]
599	[1166, 1167]	3637	[6101, 6102]	6675	[4607, 9531]	9713	[7569, 8123]
600	[1168, 1169]	3638	[6103, 6104]	6676	[9562, 4387]	9714	[2987, 7596]
601	[1170, 1171]	3639	[2179, 6105]	6677	[9563, 9564]	9715	[5938, 5903]
602	[1172, 1173]	3640	[6106, 550]	6678	[3571, 9565]	9716	[2142, 2403]
603	[1174, 1175]	3641	[6107, 2588]	6679	[1493, 5537]	9717	[2118, 220]
604	[1176, 1177]	3642	[6108, 6109]	6680	[4755, 3736]	9718	[6044, 7369]
605	[1178, 1179]	3643	[6110, 6111]	6681	[9566, 374]	9719	[11540, 7413]
606	[1180, 1181]	3644	[6112, 6113]	6682	[9567, 4618]	9720	[7405, 7001]
607	[1182, 1183]	3645	[6114, 6115]	6683	[9087, 9568]	9721	[11541, 5803]
608	[1184, 1185]	3646	[2060, 6116]	6684	[5186, 9569]	9722	[10982, 7282]
609	[1186, 1187]	3647	[6117, 796]	6685	[4082, 9570]	9723	[10777, 10785]
610	[1188, 1189]	3648	[6118, 6119]	6686	[5132, 9571]	9724	[48, 7542]
611	[1190, 1191]	3649	[6120, 6121]	6687	[9572, 9288]	9725	[2804, 920]
612	[1192, 975]	3650	[2868, 5976]	6688	[1615, 1655]	9726	[11542, 11543]
613	[1193, 1194]	3651	[6122, 6123]	6689	[5096, 5495]	9727	[10860, 5958]
614	[1195, 1196]	3652	[6124, 610]	6690	[9573, 5632]	9728	[966, 2634]
615	[1197, 1198]	3653	[2192, 6125]	6691	[3955, 9574]	9729	[2514, 11419]
616	[1199, 1200]	3654	[6126, 6127]	6692	[9575, 9576]	9730	[858, 2957]
617	[1201, 1202]	3655	[6128, 6129]	6693	[9577, 4547]	9731	[11544, 11545]
618	[1203, 1204]	3656	[2371, 6036]	6694	[307, 9249]	9732	[11546, 6274]
619	[1205, 1206]	3657	[6130, 2575]	6695	[9578, 1509]	9733	[6210, 6957]
620	[1207, 1208]	3658	[2121, 6131]	6696	[9579, 9475]	9734	[2662, 2133]
621	[1209, 1210]	3659	[6132, 6133]	6697	[1213, 1018]	9735	[11224, 11547]
622	[1211, 1212]	3660	[6134, 2178]	6698	[3544, 9580]	9736	[6315, 172]
623	[1213, 1214]	3661	[6135, 6136]	6699	[9084, 9581]	9737	[11548, 11549]
624	[1215, 1216]	3662	[6137, 6138]	6700	[3645, 9582]	9738	[11550, 11551]
625	[1217, 1218]	3663	[6139, 6140]	6701	[9144, 4608]	9739	[7383, 11446]
626	[1219, 1220]	3664	[6141, 6142]	6702	[9583, 9584]	9740	[2300, 8449]
627	[1221, 1222]	3665	[5919, 6143]	6703	[9585, 9586]	9741	[11552, 6122]
628	[1223, 1224]	3666	[1933, 6144]	6704	[332, 4019]	9742	[3206, 624]
629	[1225, 1226]	3667	[2697, 5864]	6705	[3933, 5714]	9743	[11553, 10864]
630	[1227, 1228]	3668	[2845, 6145]	6706	[5209, 9587]	9744	[11404, 11554]
631	[1229, 1230]	3669	[6146, 6147]	6707	[5261, 1276]	9745	[2851, 11249]

632	[1231, 1042]	3670	[1890, 6148]	6708	[9588, 9180]	9746	[11555, 11556]
633	[1232, 1233]	3671	[6149, 6150]	6709	[9589, 9590]	9747	[7701, 2072]
634	[1234, 1235]	3672	[6151, 6152]	6710	[9313, 9591]	9748	[11557, 7325]
635	[1236, 1237]	3673	[6153, 6154]	6711	[9586, 3739]	9749	[7987, 3142]
636	[1238, 1239]	3674	[6155, 765]	6712	[9592, 4893]	9750	[8346, 7909]
637	[1240, 1241]	3675	[6156, 6157]	6713	[3780, 9593]	9751	[3371, 7842]
638	[1242, 1243]	3676	[6158, 620]	6714	[8892, 4616]	9752	[11558, 7616]
639	[1244, 1245]	3677	[1954, 6159]	6715	[3763, 9594]	9753	[2321, 11559]
640	[1246, 1247]	3678	[6160, 6161]	6716	[3530, 9595]	9754	[10749, 2322]
641	[1248, 1249]	3679	[6162, 5790]	6717	[9596, 1352]	9755	[11248, 2436]
642	[1250, 1251]	3680	[6163, 6164]	6718	[3926, 5580]	9756	[11560, 11561]
643	[1252, 1253]	3681	[2796, 6165]	6719	[1515, 9597]	9757	[7941, 2671]
644	[1254, 1255]	3682	[2626, 6166]	6720	[9598, 3666]	9758	[3087, 11562]
645	[1256, 1257]	3683	[2956, 6051]	6721	[8885, 4787]	9759	[7909, 11563]
646	[1258, 1259]	3684	[6167, 1936]	6722	[5044, 8678]	9760	[7057, 7020]
647	[1260, 1261]	3685	[6168, 6169]	6723	[9599, 9600]	9761	[11336, 11564]
648	[1262, 1263]	3686	[6170, 6171]	6724	[9198, 9575]	9762	[11565, 11566]
649	[1264, 1265]	3687	[6172, 2440]	6725	[8903, 3971]	9763	[8206, 662]
650	[1266, 1267]	3688	[1889, 2442]	6726	[9601, 9602]	9764	[2368, 3314]
651	[1268, 1269]	3689	[6173, 2267]	6727	[5296, 1655]	9765	[11567, 7666]
652	[1270, 1271]	3690	[2962, 880]	6728	[9603, 9604]	9766	[7219, 11388]
653	[1272, 1273]	3691	[851, 6174]	6729	[9605, 9606]	9767	[2218, 11568]
654	[1274, 1275]	3692	[3055, 3370]	6730	[9607, 3749]	9768	[11569, 6816]
655	[1276, 1277]	3693	[6175, 6176]	6731	[9608, 9609]	9769	[8163, 6486]
656	[1278, 1279]	3694	[3319, 6177]	6732	[4278, 9610]	9770	[2827, 11570]
657	[1280, 1281]	3695	[6178, 6179]	6733	[4690, 9611]	9771	[11571, 11572]
658	[1282, 1283]	3696	[6180, 6181]	6734	[471, 9612]	9772	[11573, 11574]
659	[1284, 1285]	3697	[6182, 6183]	6735	[9613, 4455]	9773	[11518, 11575]
660	[1286, 1287]	3698	[6184, 6185]	6736	[4192, 9336]	9774	[5795, 7430]
661	[1288, 1289]	3699	[6186, 6187]	6737	[5597, 9614]	9775	[11576, 2812]
662	[1290, 1291]	3700	[6188, 913]	6738	[9615, 9616]	9776	[11142, 11189]
663	[1292, 1293]	3701	[6189, 6190]	6739	[5242, 317]	9777	[7049, 11577]
664	[1294, 1295]	3702	[2943, 2741]	6740	[9617, 9540]	9778	[7870, 7527]
665	[1296, 1297]	3703	[6087, 3069]	6741	[9618, 9619]	9779	[11578, 11579]
666	[1298, 1299]	3704	[2227, 869]	6742	[9620, 9621]	9780	[11580, 6225]
667	[1300, 1301]	3705	[678, 6191]	6743	[9622, 9623]	9781	[11067, 7055]
668	[1302, 1303]	3706	[6192, 6193]	6744	[9624, 3461]	9782	[10770, 11418]
669	[1304, 1305]	3707	[6194, 6195]	6745	[5195, 9625]	9783	[11129, 7797]
670	[1306, 1307]	3708	[6196, 6197]	6746	[4023, 8901]	9784	[2438, 6081]
671	[1308, 1309]	3709	[6198, 6199]	6747	[9626, 1003]	9785	[11581, 3219]
672	[1310, 1311]	3710	[6200, 6201]	6748	[9627, 9628]	9786	[9, 11582]
673	[1312, 1313]	3711	[3194, 6202]	6749	[468, 4872]	9787	[7183, 11583]
674	[1314, 1315]	3712	[6203, 6204]	6750	[5294, 9629]	9788	[7114, 2613]
675	[1316, 1317]	3713	[6205, 6206]	6751	[9630, 9631]	9789	[11274, 8367]

676	[1318, 1319]	3714	[2630, 3270]	6752	[1403, 9632]	9790	[6345, 5855]
677	[1320, 1321]	3715	[6207, 6208]	6753	[9633, 9634]	9791	[11584, 11453]
678	[1322, 1323]	3716	[2595, 6209]	6754	[9635, 9636]	9792	[11585, 11586]
679	[1324, 1325]	3717	[6210, 1931]	6755	[9637, 3412]	9793	[699, 10752]
680	[1326, 1082]	3718	[6211, 6212]	6756	[3623, 9638]	9794	[3074, 7282]
681	[1327, 1328]	3719	[567, 6048]	6757	[8846, 9639]	9795	[11587, 7284]
682	[1329, 1330]	3720	[6183, 6213]	6758	[1783, 9640]	9796	[11173, 11588]
683	[1331, 1127]	3721	[6214, 6215]	6759	[9641, 9358]	9797	[11363, 583]
684	[1332, 1333]	3722	[6216, 753]	6760	[9642, 9643]	9798	[7328, 11536]
685	[1334, 1335]	3723	[6184, 6217]	6761	[9644, 9645]	9799	[11589, 7901]
686	[1336, 1337]	3724	[6218, 6219]	6762	[978, 5110]	9800	[2716, 715]
687	[1338, 1339]	3725	[6220, 6221]	6763	[9646, 9647]	9801	[2989, 11061]
688	[1340, 1341]	3726	[6008, 6222]	6764	[5059, 5468]	9802	[11590, 10983]
689	[1342, 1343]	3727	[6223, 6224]	6765	[8973, 3727]	9803	[8510, 7975]
690	[1344, 1345]	3728	[6225, 6226]	6766	[3615, 8822]	9804	[6943, 11099]
691	[1346, 87]	3729	[6227, 6228]	6767	[4567, 8613]	9805	[6122, 3223]
692	[1347, 1348]	3730	[3036, 6229]	6768	[1721, 19]	9806	[604, 11591]
693	[1349, 1350]	3731	[3120, 6230]	6769	[5426, 9648]	9807	[11592, 10800]
694	[1351, 1352]	3732	[6231, 6232]	6770	[9322, 1197]	9808	[6599, 6507]
695	[470, 1353]	3733	[6233, 3382]	6771	[9649, 9650]	9809	[7652, 7497]
696	[1354, 1355]	3734	[3339, 6234]	6772	[9434, 4723]	9810	[11593, 2356]
697	[1356, 1357]	3735	[6235, 691]	6773	[9651, 9652]	9811	[6890, 6953]
698	[1358, 1359]	3736	[1862, 3036]	6774	[91, 9653]	9812	[2091, 11594]
699	[1360, 1361]	3737	[6236, 6237]	6775	[4535, 9114]	9813	[561, 7116]
700	[21, 1362]	3738	[6238, 6239]	6776	[8626, 9654]	9814	[8351, 6279]
701	[1363, 1364]	3739	[6240, 6241]	6777	[9655, 8912]	9815	[2848, 7056]
702	[1365, 1366]	3740	[6242, 6243]	6778	[1720, 9656]	9816	[11595, 8493]
703	[1367, 1368]	3741	[2384, 1952]	6779	[3967, 9657]	9817	[8361, 7951]
704	[1369, 1370]	3742	[6244, 6245]	6780	[80, 5111]	9818	[11596, 11597]
705	[1371, 1372]	3743	[2808, 6246]	6781	[8535, 9658]	9819	[2152, 11398]
706	[1373, 1374]	3744	[596, 6247]	6782	[4422, 9659]	9820	[6256, 7199]
707	[1375, 1376]	3745	[6248, 758]	6783	[5556, 9660]	9821	[3388, 5818]
708	[1377, 1378]	3746	[6249, 6250]	6784	[1576, 9661]	9822	[3174, 11275]
709	[1379, 1380]	3747	[6121, 6251]	6785	[8705, 5514]	9823	[10845, 11476]
710	[1381, 1382]	3748	[6088, 3304]	6786	[9580, 9662]	9824	[3332, 8116]
711	[1383, 1384]	3749	[6252, 6253]	6787	[9388, 438]	9825	[7115, 562]
712	[81, 1385]	3750	[6254, 6046]	6788	[9663, 9664]	9826	[5743, 11415]
713	[1386, 1387]	3751	[6255, 6256]	6789	[4791, 9665]	9827	[10848, 8337]
714	[1388, 1389]	3752	[6257, 6258]	6790	[3860, 9666]	9828	[11598, 134]
715	[1390, 1391]	3753	[6259, 6260]	6791	[9667, 9668]	9829	[11599, 11600]
716	[1392, 1393]	3754	[6261, 6262]	6792	[1075, 9669]	9830	[2795, 10793]
717	[1394, 1395]	3755	[6263, 6264]	6793	[9670, 5180]	9831	[2397, 6114]
718	[1396, 1397]	3756	[6265, 6266]	6794	[1714, 5659]	9832	[6909, 517]
719	[1398, 1399]	3757	[1859, 6231]	6795	[1143, 8744]	9833	[5917, 3194]

720	[1400, 1401]	3758	[6267, 6268]	6796	[9671, 4834]	9834	[11601, 2017]
721	[1402, 1403]	3759	[6269, 6270]	6797	[9234, 9672]	9835	[2949, 11073]
722	[1404, 1405]	3760	[6271, 3178]	6798	[5264, 4747]	9836	[11109, 11080]
723	[1406, 1407]	3761	[6272, 6273]	6799	[4024, 9673]	9837	[5986, 11020]
724	[1408, 1409]	3762	[6274, 6275]	6800	[5081, 9674]	9838	[11602, 11603]
725	[1410, 1411]	3763	[6276, 6277]	6801	[9675, 9676]	9839	[5955, 11309]
726	[1412, 1413]	3764	[6278, 6279]	6802	[3510, 5151]	9840	[147, 6081]
727	[1414, 1415]	3765	[6280, 6281]	6803	[8778, 8869]	9841	[11604, 3014]
728	[484, 1028]	3766	[6282, 6283]	6804	[8761, 8952]	9842	[8387, 11266]
729	[325, 1416]	3767	[6284, 2539]	6805	[5523, 980]	9843	[11175, 2674]
730	[1417, 1418]	3768	[6285, 6286]	6806	[4519, 4367]	9844	[5770, 2871]
731	[1419, 311]	3769	[5877, 6287]	6807	[9677, 9678]	9845	[7907, 11443]
732	[1420, 1421]	3770	[6288, 6289]	6808	[9679, 9680]	9846	[6997, 7981]
733	[1422, 1423]	3771	[5965, 6290]	6809	[3637, 1121]	9847	[11605, 10981]
734	[1424, 1425]	3772	[6291, 6292]	6810	[9681, 9682]	9848	[6215, 6547]
735	[1426, 1427]	3773	[6293, 6294]	6811	[9683, 4494]	9849	[6718, 11391]
736	[1428, 1429]	3774	[6295, 2316]	6812	[8790, 9150]	9850	[6244, 7771]
737	[1430, 1431]	3775	[2911, 6296]	6813	[9684, 9685]	9851	[2031, 7536]
738	[82, 1432]	3776	[6297, 6298]	6814	[9686, 4712]	9852	[11606, 2766]
739	[1433, 1434]	3777	[3381, 6299]	6815	[9396, 4069]	9853	[11589, 11434]
740	[1435, 1436]	3778	[6300, 200]	6816	[9687, 9688]	9854	[11607, 2431]
741	[1437, 1438]	3779	[6301, 6302]	6817	[4744, 9210]	9855	[11608, 2759]
742	[1439, 1440]	3780	[6303, 6304]	6818	[9689, 9690]	9856	[883, 11609]
743	[1441, 1442]	3781	[6305, 3033]	6819	[1525, 9691]	9857	[1898, 11414]
744	[1443, 1444]	3782	[1944, 6306]	6820	[9281, 9692]	9858	[10885, 6656]
745	[1445, 1446]	3783	[1946, 6307]	6821	[9693, 9694]	9859	[6962, 1955]
746	[1447, 1448]	3784	[6308, 6309]	6822	[4852, 9695]	9860	[2557, 8328]
747	[1449, 1450]	3785	[2621, 6310]	6823	[9696, 9536]	9861	[11610, 11611]
748	[1451, 1325]	3786	[6311, 6312]	6824	[9697, 9698]	9862	[11612, 11256]
749	[1452, 1453]	3787	[6313, 3150]	6825	[9699, 9700]	9863	[11613, 6438]
750	[1454, 1455]	3788	[6314, 6315]	6826	[9701, 9702]	9864	[11614, 11615]
751	[1456, 1457]	3789	[6316, 609]	6827	[9394, 5219]	9865	[10925, 7541]
752	[1458, 1459]	3790	[2705, 6317]	6828	[9703, 8671]	9866	[6009, 6177]
753	[1460, 1461]	3791	[6318, 6319]	6829	[9704, 9705]	9867	[11616, 2429]
754	[1462, 1463]	3792	[2753, 6320]	6830	[9706, 1776]	9868	[7441, 2549]
755	[1464, 1465]	3793	[2627, 2724]	6831	[4950, 4874]	9869	[3035, 11617]
756	[1466, 75]	3794	[6321, 6322]	6832	[474, 9707]	9870	[11618, 11619]
757	[1467, 1468]	3795	[6323, 839]	6833	[4722, 4877]	9871	[5826, 8295]
758	[1469, 1470]	3796	[6324, 1978]	6834	[4030, 9708]	9872	[6660, 2574]
759	[1471, 1472]	3797	[173, 6325]	6835	[105, 8577]	9873	[11620, 11621]
760	[1473, 1474]	3798	[2484, 6326]	6836	[1748, 9709]	9874	[11622, 11623]
761	[1475, 1476]	3799	[6327, 6328]	6837	[9465, 9710]	9875	[11624, 11625]
762	[1477, 1478]	3800	[6329, 6330]	6838	[4657, 9711]	9876	[11084, 8222]
763	[1479, 1480]	3801	[6331, 6332]	6839	[9712, 9713]	9877	[6911, 10898]

764	[1481, 1482]	3802	[6333, 6334]	6840	[9714, 9715]	9878	[511, 2058]
765	[1483, 1484]	3803	[6335, 5784]	6841	[5286, 117]	9879	[8083, 3358]
766	[1485, 1486]	3804	[6336, 6337]	6842	[9716, 1264]	9880	[6463, 2529]
767	[1487, 1488]	3805	[6338, 32]	6843	[1826, 9717]	9881	[8288, 670]
768	[1489, 1490]	3806	[6339, 6340]	6844	[9718, 4606]	9882	[7106, 6973]
769	[1491, 1492]	3807	[2785, 650]	6845	[9719, 5362]	9883	[11092, 5908]
770	[1493, 1494]	3808	[6341, 6342]	6846	[4637, 9720]	9884	[3111, 11626]
771	[1495, 1496]	3809	[6343, 6344]	6847	[5271, 9721]	9885	[6866, 733]
772	[1497, 1498]	3810	[2254, 6345]	6848	[4494, 4234]	9886	[6480, 6013]
773	[24, 1499]	3811	[6346, 6347]	6849	[4065, 9722]	9887	[2892, 553]
774	[1500, 1501]	3812	[6348, 6349]	6850	[9723, 9429]	9888	[7251, 2023]
775	[1502, 1503]	3813	[3343, 6337]	6851	[9724, 9725]	9889	[2839, 2758]
776	[1504, 1505]	3814	[3357, 6350]	6852	[9726, 1374]	9890	[11627, 11628]
777	[1506, 1507]	3815	[6351, 6352]	6853	[9727, 3539]	9891	[3156, 7149]
778	[1508, 1509]	3816	[6353, 2401]	6854	[9728, 9729]	9892	[6877, 11629]
779	[1510, 1511]	3817	[6354, 6355]	6855	[9730, 5030]	9893	[2563, 6365]
780	[1512, 1270]	3818	[6356, 2924]	6856	[9731, 9611]	9894	[11630, 11631]
781	[333, 1513]	3819	[912, 5948]	6857	[9732, 3761]	9895	[8140, 7248]
782	[1514, 1515]	3820	[6357, 6358]	6858	[9682, 9733]	9896	[11297, 11113]
783	[1516, 1517]	3821	[866, 626]	6859	[9734, 9735]	9897	[7295, 6874]
784	[1518, 1519]	3822	[6359, 6360]	6860	[1753, 9736]	9898	[3128, 7852]
785	[1520, 1521]	3823	[6361, 3063]	6861	[3914, 1256]	9899	[2922, 11322]
786	[1522, 1523]	3824	[6362, 6363]	6862	[1092, 8531]	9900	[7154, 7613]
787	[1524, 1525]	3825	[6364, 6365]	6863	[9737, 9738]	9901	[877, 7176]
788	[1427, 1526]	3826	[6366, 6367]	6864	[1695, 4609]	9902	[8489, 3123]
789	[1527, 1528]	3827	[6368, 2556]	6865	[1794, 9739]	9903	[11247, 10799]
790	[1529, 1530]	3828	[2684, 6369]	6866	[3828, 1356]	9904	[11632, 6172]
791	[1531, 1532]	3829	[885, 2942]	6867	[3857, 351]	9905	[7255, 11633]
792	[1533, 1534]	3830	[6370, 6371]	6868	[9740, 9741]	9906	[11130, 11634]
793	[1535, 1536]	3831	[6372, 6373]	6869	[9742, 9743]	9907	[11635, 11636]
794	[1537, 1538]	3832	[6374, 6375]	6870	[9744, 9745]	9908	[10874, 11637]
795	[1539, 1540]	3833	[6376, 6377]	6871	[9553, 8696]	9909	[8079, 6728]
796	[1541, 1542]	3834	[6378, 6379]	6872	[4548, 9746]	9910	[11024, 2018]
797	[1543, 108]	3835	[6380, 6381]	6873	[9426, 9281]	9911	[7579, 11638]
798	[1544, 1545]	3836	[6382, 6383]	6874	[9381, 9054]	9912	[11639, 7458]
799	[1546, 1547]	3837	[6038, 6384]	6875	[9577, 1650]	9913	[11640, 11084]
800	[1548, 1549]	3838	[6385, 6386]	6876	[310, 495]	9914	[6309, 11641]
801	[1550, 1551]	3839	[6387, 6388]	6877	[8964, 9747]	9915	[2756, 11642]
802	[1552, 1553]	3840	[3140, 1861]	6878	[9748, 9749]	9916	[3026, 7577]
803	[1554, 1555]	3841	[571, 6389]	6879	[9446, 9750]	9917	[655, 6341]
804	[1556, 1314]	3842	[6390, 6391]	6880	[9751, 9752]	9918	[35, 2993]
805	[1557, 1558]	3843	[3164, 6392]	6881	[1220, 9753]	9919	[6008, 7705]
806	[1559, 1560]	3844	[2935, 897]	6882	[8797, 5526]	9920	[11498, 10901]
807	[1561, 1562]	3845	[6393, 862]	6883	[1682, 4066]	9921	[5753, 11643]

808	[1563, 6]	3846	[6394, 2217]	6884	[9754, 1219]	9922	[576, 11644]
809	[1564, 1565]	3847	[6134, 6395]	6885	[5061, 9755]	9923	[641, 7923]
810	[1277, 124]	3848	[6171, 6396]	6886	[9756, 5346]	9924	[8236, 11370]
811	[1566, 1567]	3849	[841, 6397]	6887	[5118, 9757]	9925	[7560, 7398]
812	[1568, 1569]	3850	[6398, 6399]	6888	[4341, 9758]	9926	[8394, 158]
813	[1570, 1571]	3851	[6400, 6401]	6889	[3605, 9759]	9927	[7387, 6418]
814	[1572, 1573]	3852	[6402, 6403]	6890	[9760, 9761]	9928	[2460, 5789]
815	[1574, 1575]	3853	[6404, 6405]	6891	[1244, 1198]	9929	[6159, 926]
816	[1576, 1577]	3854	[1931, 6406]	6892	[9762, 1286]	9930	[6773, 11645]
817	[1578, 1579]	3855	[6407, 2055]	6893	[9060, 9763]	9931	[7767, 2685]
818	[1580, 1581]	3856	[5951, 2057]	6894	[5671, 9764]	9932	[6754, 8076]
819	[1582, 1583]	3857	[2572, 6408]	6895	[8593, 5282]	9933	[11646, 11647]
820	[1584, 1585]	3858	[6409, 6410]	6896	[1486, 9765]	9934	[8111, 10801]
821	[1586, 1587]	3859	[6411, 5947]	6897	[5117, 9406]	9935	[7044, 11648]
822	[1588, 1589]	3860	[6412, 6413]	6898	[9766, 1440]	9936	[6289, 5783]
823	[1590, 1591]	3861	[6414, 6209]	6899	[3454, 4485]	9937	[10804, 11649]
824	[1592, 1593]	3862	[6415, 6416]	6900	[4489, 1049]	9938	[7890, 11650]
825	[1594, 1595]	3863	[3273, 6417]	6901	[9767, 9232]	9939	[7630, 7672]
826	[1596, 1597]	3864	[6418, 2412]	6902	[9768, 4623]	9940	[11300, 6392]
827	[1598, 1599]	3865	[6065, 6419]	6903	[9769, 1179]	9941	[11115, 11651]
828	[1600, 1601]	3866	[6420, 6421]	6904	[9770, 9771]	9942	[6735, 11403]
829	[1602, 1603]	3867	[6422, 6423]	6905	[4287, 9772]	9943	[8315, 6571]
830	[1604, 1605]	3868	[6424, 6425]	6906	[4290, 9773]	9944	[7698, 5792]
831	[1606, 1607]	3869	[6426, 6427]	6907	[5266, 4709]	9945	[11652, 11590]
832	[1608, 1609]	3870	[6428, 823]	6908	[9774, 4661]	9946	[6072, 778]
833	[1610, 1611]	3871	[6429, 6430]	6909	[5680, 9775]	9947	[6057, 6524]
834	[1612, 1613]	3872	[6431, 6432]	6910	[9668, 8562]	9948	[6390, 11563]
835	[1614, 1615]	3873	[6433, 6007]	6911	[9506, 9776]	9949	[6128, 7748]
836	[1616, 1250]	3874	[3377, 499]	6912	[1470, 4549]	9950	[6395, 8292]
837	[475, 1617]	3875	[6434, 6435]	6913	[1160, 1312]	9951	[7178, 2526]
838	[1618, 1619]	3876	[2391, 6436]	6914	[1691, 9524]	9952	[8016, 6418]
839	[1620, 1621]	3877	[6437, 678]	6915	[9777, 9778]	9953	[6327, 10756]
840	[1622, 1623]	3878	[2264, 6438]	6916	[9261, 9507]	9954	[11653, 499]
841	[1624, 1625]	3879	[6439, 6440]	6917	[3747, 9779]	9955	[3379, 964]
842	[1626, 1627]	3880	[6441, 6442]	6918	[9212, 9001]	9956	[11039, 11654]
843	[1628, 1629]	3881	[6443, 6444]	6919	[431, 8788]	9957	[2941, 886]
844	[1630, 1631]	3882	[6445, 6446]	6920	[9780, 4973]	9958	[11125, 6019]
845	[1632, 1633]	3883	[6447, 6448]	6921	[8762, 9781]	9959	[5806, 7832]
846	[1634, 329]	3884	[6449, 638]	6922	[9782, 9783]	9960	[7012, 7219]
847	[1635, 1636]	3885	[6450, 6451]	6923	[9784, 8980]	9961	[11498, 11375]
848	[1637, 1638]	3886	[6452, 6453]	6924	[9785, 9786]	9962	[6387, 11384]
849	[1639, 1640]	3887	[3324, 6454]	6925	[9570, 9787]	9963	[1963, 2760]
850	[1641, 1642]	3888	[6455, 6456]	6926	[9788, 9762]	9964	[11655, 779]
851	[1643, 1644]	3889	[6457, 6458]	6927	[9474, 9789]	9965	[1901, 3277]

852	[1645, 1646]	3890	[6459, 6460]	6928	[3811, 9790]	9966	[2236, 760]
853	[1647, 1648]	3891	[592, 3153]	6929	[4652, 1580]	9967	[6234, 11656]
854	[1649, 443]	3892	[2286, 2155]	6930	[8881, 9791]	9968	[11657, 7136]
855	[1650, 1146]	3893	[2282, 6461]	6931	[1025, 1728]	9969	[6799, 11223]
856	[1651, 1652]	3894	[2284, 6462]	6932	[5563, 9768]	9970	[8336, 7816]
857	[1653, 1654]	3895	[6463, 6464]	6933	[8657, 5609]	9971	[864, 11345]
858	[1655, 1656]	3896	[6465, 6466]	6934	[3515, 4955]	9972	[6314, 7386]
859	[1657, 1658]	3897	[6467, 6468]	6935	[1480, 9792]	9973	[8312, 7853]
860	[1659, 1298]	3898	[2959, 6469]	6936	[3601, 5642]	9974	[8467, 7363]
861	[1660, 1661]	3899	[6386, 6470]	6937	[4323, 9793]	9975	[2242, 7458]
862	[1662, 1663]	3900	[6471, 6472]	6938	[8814, 3794]	9976	[2542, 11654]
863	[1664, 1665]	3901	[6473, 6127]	6939	[9794, 9795]	9977	[11658, 11659]
864	[1666, 1667]	3902	[6474, 783]	6940	[336, 5497]	9978	[11660, 11661]
865	[1668, 1669]	3903	[6475, 6383]	6941	[9796, 8711]	9979	[10872, 11564]
866	[1670, 1221]	3904	[3113, 6476]	6942	[4856, 4737]	9980	[10899, 11662]
867	[1671, 1672]	3905	[6477, 6478]	6943	[9797, 9798]	9981	[7316, 11220]
868	[1673, 1674]	3906	[6479, 6480]	6944	[3993, 5598]	9982	[652, 5756]
869	[1675, 1676]	3907	[3129, 6481]	6945	[5264, 1070]	9983	[7905, 11663]
870	[1677, 1014]	3908	[6482, 6483]	6946	[9799, 5637]	9984	[11664, 7660]
871	[1678, 1679]	3909	[6484, 6485]	6947	[9500, 4064]	9985	[7169, 508]
872	[1680, 1681]	3910	[5766, 6486]	6948	[1236, 9800]	9986	[11342, 2623]
873	[1682, 1683]	3911	[2204, 6487]	6949	[1347, 9801]	9987	[7355, 7485]
874	[1684, 1685]	3912	[2288, 6488]	6950	[1855, 5213]	9988	[11665, 6236]
875	[1686, 1687]	3913	[2531, 6489]	6951	[3889, 9802]	9989	[5861, 11117]
876	[1688, 1689]	3914	[6490, 2388]	6952	[4392, 9803]	9990	[7587, 2572]
877	[1690, 1691]	3915	[5771, 6491]	6953	[9804, 9805]	9991	[2972, 6490]
878	[1692, 1693]	3916	[6492, 2887]	6954	[3482, 9806]	9992	[7679, 11546]
879	[1694, 1695]	3917	[6493, 6494]	6955	[4665, 9681]	9993	[7761, 7392]
880	[1696, 1697]	3918	[6495, 6496]	6956	[9243, 1652]	9994	[11666, 11667]
881	[1698, 1699]	3919	[3251, 649]	6957	[9584, 9020]	9995	[11668, 8024]
882	[1700, 1701]	3920	[6497, 6498]	6958	[9807, 9793]	9996	[3204, 8018]
883	[1702, 1703]	3921	[3137, 6499]	6959	[981, 9808]	9997	[7936, 250]
884	[1704, 1705]	3922	[6500, 6501]	6960	[9809, 9810]	9998	[7054, 11669]
885	[1706, 1707]	3923	[6502, 3192]	6961	[8657, 3547]	9999	[7466, 8303]
886	[1708, 1709]	3924	[6503, 6504]	6962	[4948, 9811]	10000	[11343, 3381]
887	[1710, 1711]	3925	[2540, 1954]	6963	[9052, 9239]	10001	[629, 7705]
888	[4, 1712]	3926	[6505, 6506]	6964	[8590, 5615]	10002	[235, 7820]
889	[1713, 1714]	3927	[6471, 6507]	6965	[9812, 9813]	10003	[11670, 11671]
890	[1715, 1716]	3928	[6508, 6509]	6966	[9814, 9815]	10004	[6001, 11371]
891	[1717, 1718]	3929	[1875, 6510]	6967	[3492, 9816]	10005	[2910, 222]
892	[1719, 1720]	3930	[6511, 6512]	6968	[9596, 5199]	10006	[7944, 11622]
893	[1721, 1722]	3931	[6513, 6514]	6969	[5203, 9108]	10007	[5934, 7733]
894	[1723, 1724]	3932	[6515, 6516]	6970	[8749, 9817]	10008	[7025, 11672]
895	[1725, 1726]	3933	[185, 6517]	6971	[1765, 9818]	10009	[2834, 2543]

896	[1727, 1728]	3934	[6422, 6518]	6972	[442, 9011]	10010	[3309, 11673]
897	[1729, 1730]	3935	[6519, 5914]	6973	[8946, 92]	10011	[6748, 11674]
898	[1731, 1732]	3936	[6520, 2119]	6974	[8531, 5247]	10012	[3253, 11675]
899	[1733, 1734]	3937	[176, 2675]	6975	[9819, 9820]	10013	[11676, 6510]
900	[1735, 1736]	3938	[6521, 6522]	6976	[9821, 9822]	10014	[11103, 11513]
901	[1737, 1738]	3939	[246, 2494]	6977	[1185, 3810]	10015	[11617, 6798]
902	[1739, 1740]	3940	[584, 2685]	6978	[9823, 9824]	10016	[11613, 2265]
903	[1741, 1742]	3941	[6523, 6524]	6979	[5452, 3630]	10017	[11677, 8126]
904	[1743, 1744]	3942	[6525, 2227]	6980	[9006, 3817]	10018	[7636, 6538]
905	[1745, 1746]	3943	[6526, 6527]	6981	[315, 9825]	10019	[11678, 11424]
906	[1747, 1748]	3944	[2238, 574]	6982	[1577, 9826]	10020	[11515, 2116]
907	[1395, 1749]	3945	[6528, 1976]	6983	[4233, 9121]	10021	[1863, 7095]
908	[1750, 412]	3946	[5757, 6055]	6984	[8638, 9827]	10022	[7490, 2121]
909	[1751, 1752]	3947	[6529, 6530]	6985	[9357, 9828]	10023	[2849, 600]
910	[1753, 1754]	3948	[6531, 6532]	6986	[9829, 9830]	10024	[11228, 6774]
911	[1755, 1756]	3949	[6533, 6534]	6987	[9831, 3644]	10025	[11135, 10947]
912	[1177, 1757]	3950	[6535, 6536]	6988	[9832, 9833]	10026	[11679, 11680]
913	[1758, 1759]	3951	[6243, 6537]	6989	[9258, 8885]	10027	[11681, 6074]
914	[1760, 1761]	3952	[6538, 2032]	6990	[9410, 9834]	10028	[10891, 11070]
915	[1762, 1763]	3953	[2496, 6539]	6991	[9835, 9153]	10029	[10840, 11360]
916	[1764, 1765]	3954	[1917, 6540]	6992	[74, 9836]	10030	[6409, 962]
917	[1766, 1767]	3955	[6541, 6542]	6993	[3732, 9837]	10031	[8116, 2205]
918	[1768, 1769]	3956	[6543, 2314]	6994	[9838, 268]	10032	[11682, 11683]
919	[1770, 1771]	3957	[6544, 2129]	6995	[4208, 9839]	10033	[8174, 2590]
920	[1772, 286]	3958	[6545, 6546]	6996	[4899, 9840]	10034	[2451, 11684]
921	[979, 1773]	3959	[6547, 198]	6997	[9666, 9841]	10035	[3064, 198]
922	[1774, 1775]	3960	[6548, 6549]	6998	[4866, 9842]	10036	[1980, 6582]
923	[1776, 1777]	3961	[1880, 6393]	6999	[5339, 8611]	10037	[11685, 11686]
924	[1778, 1779]	3962	[6550, 860]	7000	[70, 8923]	10038	[6643, 10852]
925	[1780, 1781]	3963	[6551, 6552]	7001	[5167, 9843]	10039	[6549, 11687]
926	[1782, 1783]	3964	[6553, 879]	7002	[8805, 5731]	10040	[8282, 6556]
927	[1784, 1785]	3965	[6554, 2037]	7003	[8739, 9844]	10041	[2085, 8096]
928	[1786, 1787]	3966	[6555, 6556]	7004	[4497, 9845]	10042	[6440, 7030]
929	[1788, 1789]	3967	[3122, 6557]	7005	[4301, 9846]	10043	[8266, 1908]
930	[1790, 1791]	3968	[2868, 6558]	7006	[9847, 8827]	10044	[718, 6323]
931	[1792, 1793]	3969	[3260, 6559]	7007	[9848, 8766]	10045	[2485, 11547]
932	[1794, 1795]	3970	[6560, 6561]	7008	[9849, 4393]	10046	[3108, 3214]
933	[1796, 1797]	3971	[6562, 3175]	7009	[9231, 4894]	10047	[11688, 11078]
934	[1033, 1798]	3972	[6006, 6563]	7010	[9850, 4509]	10048	[11689, 11690]
935	[1799, 1266]	3973	[6564, 3085]	7011	[8854, 9272]	10049	[2516, 11691]
936	[1800, 1801]	3974	[6565, 765]	7012	[9851, 9852]	10050	[8133, 7384]
937	[1301, 1802]	3975	[6566, 5939]	7013	[1502, 9423]	10051	[6018, 7010]
938	[1803, 1804]	3976	[6567, 6568]	7014	[9189, 9853]	10052	[11033, 5879]
939	[1805, 1806]	3977	[6569, 6570]	7015	[1799, 9854]	10053	[2087, 530]

940	[1807, 108]	3978	[2150, 6571]	7016	[1119, 9855]	10054	[6697, 658]
941	[1744, 474]	3979	[908, 6572]	7017	[9102, 1683]	10055	[11692, 799]
942	[1808, 1016]	3980	[3229, 6573]	7018	[5646, 1287]	10056	[11693, 8390]
943	[18, 1580]	3981	[833, 6574]	7019	[3555, 9856]	10057	[11241, 8077]
944	[1809, 1810]	3982	[2123, 6575]	7020	[9857, 3711]	10058	[2488, 7363]
945	[1811, 1812]	3983	[3353, 6576]	7021	[9858, 3837]	10059	[8196, 2790]
946	[1813, 1814]	3984	[6577, 6309]	7022	[9859, 3809]	10060	[11694, 11695]
947	[1815, 1816]	3985	[6433, 2206]	7023	[9860, 9861]	10061	[2663, 11696]
948	[1785, 1817]	3986	[6578, 6579]	7024	[9862, 4402]	10062	[7288, 8471]
949	[1818, 1819]	3987	[579, 2802]	7025	[5587, 5117]	10063	[7837, 11221]
950	[1820, 1821]	3988	[3268, 6580]	7026	[9863, 4596]	10064	[11697, 10912]
951	[1822, 1156]	3989	[6581, 2326]	7027	[1856, 9864]	10065	[5770, 6634]
952	[1823, 1824]	3990	[6582, 6583]	7028	[9865, 9444]	10066	[6901, 195]
953	[1825, 1826]	3991	[6584, 6585]	7029	[9866, 9867]	10067	[7677, 3285]
954	[1104, 1827]	3992	[6586, 2037]	7030	[9311, 9868]	10068	[882, 7548]
955	[1828, 1829]	3993	[6587, 6588]	7031	[3516, 4417]	10069	[3064, 6630]
956	[1830, 1831]	3994	[6589, 6590]	7032	[9869, 1015]	10070	[6872, 521]
957	[1832, 1833]	3995	[5775, 6591]	7033	[9870, 3819]	10071	[7468, 3227]
958	[1834, 1768]	3996	[6592, 6593]	7034	[4159, 4931]	10072	[11698, 11699]
959	[1835, 1836]	3997	[6594, 2141]	7035	[9871, 5487]	10073	[3181, 11589]
960	[1837, 1838]	3998	[6595, 6596]	7036	[9152, 4916]	10074	[11700, 509]
961	[1839, 1840]	3999	[1879, 6597]	7037	[1656, 4958]	10075	[5784, 2336]
962	[1841, 1842]	4000	[3223, 6598]	7038	[9184, 9872]	10076	[11701, 11702]
963	[1843, 1844]	4001	[2838, 6599]	7039	[9873, 9874]	10077	[599, 7164]
964	[1845, 1846]	4002	[6600, 3114]	7040	[5445, 8878]	10078	[11703, 11511]
965	[1847, 415]	4003	[6063, 2576]	7041	[1267, 9748]	10079	[11655, 647]
966	[1848, 1849]	4004	[6601, 2558]	7042	[9875, 9876]	10080	[11704, 967]
967	[1850, 1851]	4005	[629, 6222]	7043	[9042, 9877]	10081	[6473, 11705]
968	[1852, 1853]	4006	[6560, 6602]	7044	[9878, 9879]	10082	[1893, 2635]
969	[1854, 1855]	4007	[6603, 6604]	7045	[9438, 1732]	10083	[2349, 613]
970	[1856, 1857]	4008	[6605, 6606]	7046	[9799, 9880]	10084	[8103, 11448]
971	[1858, 1859]	4009	[5933, 6607]	7047	[4484, 5602]	10085	[2370, 705]
972	[1860, 1861]	4010	[5750, 6608]	7048	[9881, 9882]	10086	[7536, 8306]
973	[1862, 1863]	4011	[6609, 6610]	7049	[9526, 9883]	10087	[7830, 11314]
974	[1864, 1865]	4012	[3303, 6611]	7050	[5288, 9884]	10088	[11259, 6881]
975	[1866, 1867]	4013	[6612, 6613]	7051	[9885, 9342]	10089	[5760, 11706]
976	[1868, 807]	4014	[6614, 1915]	7052	[5578, 1826]	10090	[2992, 36]
977	[1869, 1870]	4015	[6110, 6615]	7053	[9433, 5318]	10091	[2541, 11039]
978	[1871, 1872]	4016	[6253, 6616]	7054	[5352, 9886]	10092	[8158, 11330]
979	[1873, 1874]	4017	[6617, 6618]	7055	[4741, 3754]	10093	[671, 11394]
980	[1875, 1876]	4018	[6619, 3189]	7056	[9887, 9888]	10094	[10887, 6099]
981	[1877, 1878]	4019	[6620, 918]	7057	[9158, 9889]	10095	[5763, 5747]
982	[1879, 1880]	4020	[2915, 6228]	7058	[9890, 9891]	10096	[11657, 2977]
983	[1881, 1882]	4021	[2995, 6621]	7059	[9892, 9893]	10097	[745, 11707]

984	[1883, 1884]	4022	[6622, 6623]	7060	[9894, 8592]	10098	[7694, 6286]
985	[1885, 1886]	4023	[6624, 6625]	7061	[4702, 9895]	10099	[11708, 8316]
986	[1887, 690]	4024	[6626, 6627]	7062	[9896, 4924]	10100	[7671, 7631]
987	[1888, 1889]	4025	[6628, 6629]	7063	[9897, 9898]	10101	[11709, 11710]
988	[1890, 1891]	4026	[6547, 6630]	7064	[5650, 4167]	10102	[3369, 11711]
989	[1892, 1893]	4027	[6631, 6632]	7065	[4247, 9899]	10103	[11335, 6818]
990	[1894, 1895]	4028	[6353, 6633]	7066	[4377, 4773]	10104	[8484, 11529]
991	[1896, 1897]	4029	[6634, 6635]	7067	[8731, 9900]	10105	[1988, 10922]
992	[1898, 1899]	4030	[6636, 6637]	7068	[9901, 271]	10106	[3044, 3251]
993	[1900, 1901]	4031	[5932, 6638]	7069	[3452, 3731]	10107	[11449, 6488]
994	[1902, 1903]	4032	[2066, 3296]	7070	[9902, 1152]	10108	[5985, 11182]
995	[1904, 1905]	4033	[6639, 6640]	7071	[9903, 9904]	10109	[10802, 6001]
996	[1906, 1907]	4034	[6641, 6642]	7072	[4850, 1437]	10110	[11263, 11712]
997	[1908, 1909]	4035	[6643, 5909]	7073	[5005, 1331]	10111	[7419, 2081]
998	[1910, 1911]	4036	[6644, 6645]	7074	[4510, 9905]	10112	[7756, 2440]
999	[1912, 1913]	4037	[6646, 2296]	7075	[9367, 9906]	10113	[7006, 11708]
1000	[1914, 229]	4038	[6647, 2021]	7076	[5014, 9907]	10114	[6020, 11713]
1001	[1915, 1916]	4039	[32, 821]	7077	[9018, 9908]	10115	[964, 6433]
1002	[815, 1917]	4040	[3191, 6648]	7078	[4465, 9909]	10116	[542, 1871]
1003	[1918, 1919]	4041	[6649, 6650]	7079	[9910, 9911]	10117	[10910, 7319]
1004	[1920, 1921]	4042	[6651, 617]	7080	[9912, 3410]	10118	[11714, 2547]
1005	[1922, 1923]	4043	[2814, 6652]	7081	[9913, 9875]	10119	[10825, 11715]
1006	[1924, 1925]	4044	[879, 2963]	7082	[9521, 3827]	10120	[6517, 5979]
1007	[1926, 1927]	4045	[1942, 1881]	7083	[4733, 3890]	10121	[5793, 11716]
1008	[1928, 1929]	4046	[6653, 6654]	7084	[1068, 3434]	10122	[3236, 11717]
1009	[1930, 1931]	4047	[6655, 6656]	7085	[3785, 9914]	10123	[11718, 2114]
1010	[1932, 1933]	4048	[6657, 6658]	7086	[9915, 9916]	10124	[11719, 11720]
1011	[1934, 557]	4049	[6659, 2515]	7087	[4205, 4835]	10125	[11595, 11721]
1012	[1935, 1936]	4050	[6559, 6660]	7088	[9917, 1805]	10126	[730, 6689]
1013	[1937, 1938]	4051	[2707, 788]	7089	[9284, 9918]	10127	[8182, 2149]
1014	[1939, 1940]	4052	[6383, 6661]	7090	[9919, 3814]	10128	[8324, 11629]
1015	[1941, 1942]	4053	[6662, 2804]	7091	[5550, 9920]	10129	[11274, 8353]
1016	[1943, 527]	4054	[6663, 3006]	7092	[9179, 8791]	10130	[11722, 6352]
1017	[707, 1944]	4055	[6664, 6665]	7093	[4249, 5457]	10131	[11723, 11724]
1018	[1945, 1946]	4056	[6666, 6667]	7094	[4376, 8597]	10132	[11708, 5995]
1019	[1947, 1948]	4057	[683, 6668]	7095	[3402, 9921]	10133	[2421, 1950]
1020	[1949, 1950]	4058	[6669, 6670]	7096	[8931, 9922]	10134	[7073, 682]
1021	[1951, 1952]	4059	[6671, 6672]	7097	[4586, 4394]	10135	[10933, 6196]
1022	[1953, 1954]	4060	[179, 6673]	7098	[9226, 8621]	10136	[8209, 6730]
1023	[1955, 1956]	4061	[6674, 5794]	7099	[1801, 8797]	10137	[3006, 11725]
1024	[1957, 1958]	4062	[5797, 6675]	7100	[9195, 9923]	10138	[7481, 11726]
1025	[1959, 1960]	4063	[2286, 6676]	7101	[9768, 9924]	10139	[3132, 6672]
1026	[1961, 1962]	4064	[6677, 6678]	7102	[9109, 5076]	10140	[11727, 3076]
1027	[1963, 1964]	4065	[6679, 6680]	7103	[1074, 9710]	10141	[6319, 836]

1028	[947, 1965]	4066	[6681, 6682]	7104	[9661, 9925]	10142	[3147, 11725]
1029	[1966, 1967]	4067	[6683, 6684]	7105	[3641, 9229]	10143	[8424, 2327]
1030	[1968, 1969]	4068	[6685, 2165]	7106	[5079, 9684]	10144	[7960, 6983]
1031	[1970, 1971]	4069	[6686, 6687]	7107	[9926, 9927]	10145	[8484, 8502]
1032	[217, 1972]	4070	[6688, 6689]	7108	[9928, 9929]	10146	[8330, 6112]
1033	[1973, 1974]	4071	[709, 6690]	7109	[9930, 1694]	10147	[11728, 2711]
1034	[221, 1975]	4072	[5845, 6691]	7110	[9931, 1385]	10148	[6382, 11155]
1035	[1976, 1977]	4073	[2093, 6330]	7111	[5385, 9932]	10149	[6424, 11038]
1036	[1978, 1979]	4074	[5851, 2850]	7112	[9933, 9934]	10150	[186, 6292]
1037	[1980, 1981]	4075	[6543, 6692]	7113	[9935, 9936]	10151	[7412, 11729]
1038	[1982, 1983]	4076	[6693, 6694]	7114	[5468, 9937]	10152	[226, 2534]
1039	[719, 1984]	4077	[6695, 6696]	7115	[1169, 9859]	10153	[11730, 3266]
1040	[234, 1985]	4078	[6697, 6698]	7116	[9938, 4758]	10154	[11714, 234]
1041	[1986, 1987]	4079	[6699, 6700]	7117	[4337, 1532]	10155	[48, 11731]
1042	[1988, 1989]	4080	[6701, 6702]	7118	[5565, 9939]	10156	[10987, 11732]
1043	[1990, 1991]	4081	[6440, 6703]	7119	[5457, 3754]	10157	[6531, 2496]
1044	[1992, 1993]	4082	[6704, 6705]	7120	[9914, 5118]	10158	[11206, 11107]
1045	[1994, 1995]	4083	[5981, 6706]	7121	[305, 9940]	10159	[7140, 11149]
1046	[1996, 1997]	4084	[6482, 6707]	7122	[9941, 9942]	10160	[3195, 11733]
1047	[1998, 1999]	4085	[6708, 6709]	7123	[331, 3748]	10161	[6350, 11133]
1048	[795, 2000]	4086	[6710, 6711]	7124	[1766, 1089]	10162	[906, 6491]
1049	[2001, 2002]	4087	[6712, 6240]	7125	[9943, 1520]	10163	[723, 11288]
1050	[2003, 2004]	4088	[5780, 2427]	7126	[5570, 5623]	10164	[11734, 11554]
1051	[2005, 2006]	4089	[6311, 6713]	7127	[5572, 3926]	10165	[6569, 200]
1052	[2007, 2008]	4090	[6714, 6715]	7128	[4332, 4253]	10166	[10890, 10813]
1053	[518, 2009]	4091	[1928, 6716]	7129	[4158, 3462]	10167	[607, 11735]
1054	[2010, 2011]	4092	[6717, 166]	7130	[8658, 9944]	10168	[11205, 5888]
1055	[2012, 2013]	4093	[6718, 6719]	7131	[9945, 8775]	10169	[11736, 3294]
1056	[2014, 2015]	4094	[6720, 6721]	7132	[9946, 9947]	10170	[3049, 11737]
1057	[2016, 2017]	4095	[6722, 6723]	7133	[9948, 3632]	10171	[11270, 11738]
1058	[2018, 2019]	4096	[2542, 6724]	7134	[4312, 4331]	10172	[11335, 7661]
1059	[2020, 2021]	4097	[958, 6725]	7135	[3624, 4768]	10173	[2687, 3078]
1060	[1896, 2022]	4098	[6726, 6727]	7136	[8716, 9949]	10174	[11739, 7467]
1061	[969, 2023]	4099	[5934, 2630]	7137	[9950, 9951]	10175	[11151, 713]
1062	[2024, 2025]	4100	[6728, 6729]	7138	[9952, 5054]	10176	[11459, 605]
1063	[2026, 2027]	4101	[6730, 6731]	7139	[9953, 9954]	10177	[5804, 2122]
1064	[2028, 523]	4102	[906, 5926]	7140	[974, 9955]	10178	[10764, 6302]
1065	[2029, 2030]	4103	[6732, 6733]	7141	[4597, 1632]	10179	[627, 3097]
1066	[2031, 2032]	4104	[6734, 6735]	7142	[9956, 9275]	10180	[577, 934]
1067	[2033, 2034]	4105	[6736, 6737]	7143	[9957, 4218]	10181	[521, 10793]
1068	[2035, 2036]	4106	[6738, 1975]	7144	[1303, 4631]	10182	[11246, 7400]
1069	[2037, 2038]	4107	[6739, 3088]	7145	[3417, 5391]	10183	[6322, 7100]
1070	[2039, 2040]	4108	[6740, 6741]	7146	[9958, 9959]	10184	[7792, 6295]
1071	[2041, 2042]	4109	[2119, 221]	7147	[9166, 9960]	10185	[6647, 8155]

1072	[2043, 2044]	4110	[6742, 6743]	7148	[8534, 422]	10186	[925, 11740]
1073	[2045, 2046]	4111	[6744, 6745]	7149	[9961, 8515]	10187	[510, 8316]
1074	[2047, 2048]	4112	[6237, 6746]	7150	[8901, 8947]	10188	[11741, 11742]
1075	[2049, 2050]	4113	[3009, 2233]	7151	[5667, 9962]	10189	[11743, 11744]
1076	[2051, 2052]	4114	[2963, 6747]	7152	[9963, 9964]	10190	[11745, 704]
1077	[2053, 2054]	4115	[6336, 3344]	7153	[9132, 8539]	10191	[526, 11057]
1078	[2055, 2056]	4116	[3289, 2949]	7154	[4131, 9965]	10192	[2842, 7408]
1079	[2057, 2058]	4117	[2481, 6748]	7155	[1271, 9966]	10193	[6663, 3147]
1080	[2059, 2060]	4118	[6749, 6750]	7156	[1530, 1154]	10194	[6400, 11738]
1081	[2061, 2062]	4119	[2735, 6751]	7157	[9967, 4293]	10195	[11098, 7802]
1082	[2063, 2064]	4120	[6752, 3315]	7158	[4736, 4857]	10196	[1946, 11717]
1083	[2065, 2066]	4121	[6753, 6754]	7159	[5303, 9968]	10197	[8341, 10788]
1084	[2067, 2068]	4122	[6755, 6756]	7160	[9969, 261]	10198	[7907, 10905]
1085	[2069, 2070]	4123	[6757, 6758]	7161	[9401, 3802]	10199	[3099, 7984]
1086	[2071, 2072]	4124	[6759, 6482]	7162	[9220, 8608]	10200	[245, 2260]
1087	[2073, 2074]	4125	[6760, 6761]	7163	[9970, 9971]	10201	[11066, 7054]
1088	[2075, 2076]	4126	[6762, 6763]	7164	[1165, 9767]	10202	[10898, 2607]
1089	[2077, 892]	4127	[594, 6764]	7165	[3755, 9972]	10203	[11455, 3351]
1090	[2078, 2079]	4128	[2461, 6765]	7166	[9973, 5028]	10204	[2197, 3016]
1091	[523, 2080]	4129	[1981, 6766]	7167	[8994, 9384]	10205	[11734, 11405]
1092	[2081, 2082]	4130	[6767, 6768]	7168	[4442, 3690]	10206	[10761, 10755]
1093	[2083, 2084]	4131	[6769, 6770]	7169	[303, 4589]	10207	[11746, 11367]
1094	[2085, 2086]	4132	[6771, 6772]	7170	[9974, 9975]	10208	[6971, 10941]
1095	[2087, 2088]	4133	[6773, 6774]	7171	[4211, 3993]	10209	[11747, 572]
1096	[2089, 2090]	4134	[6775, 6776]	7172	[3516, 5130]	10210	[11748, 11749]
1097	[2091, 2092]	4135	[6777, 6778]	7173	[1112, 4109]	10211	[2109, 6866]
1098	[2093, 2094]	4136	[2967, 6779]	7174	[3399, 9614]	10212	[11750, 11751]
1099	[2095, 2096]	4137	[6780, 6781]	7175	[9821, 9976]	10213	[11234, 7465]
1100	[2097, 2098]	4138	[861, 2319]	7176	[9977, 9978]	10214	[11752, 6375]
1101	[2099, 2100]	4139	[6782, 6783]	7177	[9979, 9980]	10215	[11416, 3091]
1102	[2101, 2102]	4140	[6784, 6785]	7178	[4532, 1527]	10216	[2409, 11753]
1103	[2103, 158]	4141	[6786, 6787]	7179	[9981, 9982]	10217	[2411, 10789]
1104	[2104, 2105]	4142	[646, 779]	7180	[5498, 3715]	10218	[11240, 10972]
1105	[2106, 2107]	4143	[6788, 2649]	7181	[9983, 9984]	10219	[5805, 11754]
1106	[2108, 2109]	4144	[6789, 6790]	7182	[9985, 9986]	10220	[8113, 11241]
1107	[2110, 2111]	4145	[6791, 6129]	7183	[9987, 1841]	10221	[11755, 564]
1108	[2112, 2113]	4146	[6792, 6793]	7184	[5434, 9988]	10222	[6822, 8379]
1109	[2114, 2115]	4147	[6794, 6795]	7185	[9989, 5069]	10223	[6419, 7648]
1110	[2116, 2117]	4148	[2215, 6796]	7186	[9990, 9516]	10224	[7307, 6052]
1111	[2118, 2119]	4149	[6797, 3359]	7187	[8619, 5024]	10225	[11678, 11377]
1112	[2120, 127]	4150	[2116, 6798]	7188	[1599, 9991]	10226	[11756, 11594]
1113	[2121, 2122]	4151	[6799, 2908]	7189	[9992, 9993]	10227	[8134, 3115]
1114	[2123, 2124]	4152	[6800, 6801]	7190	[9861, 3607]	10228	[11757, 7321]
1115	[2125, 2126]	4153	[6802, 6803]	7191	[4738, 9994]	10229	[3187, 7664]

1116	[2127, 2128]	4154	[6804, 6805]	7192	[9995, 9996]	10230	[7174, 1963]
1117	[2129, 2130]	4155	[6806, 6807]	7193	[1082, 9199]	10231	[6065, 7569]
1118	[2131, 2132]	4156	[6808, 6809]	7194	[9997, 9998]	10232	[8450, 11758]
1119	[2133, 2134]	4157	[6810, 6811]	7195	[9999, 4817]	10233	[7804, 5951]
1120	[647, 2135]	4158	[2758, 6812]	7196	[1767, 454]	10234	[2677, 8024]
1121	[2136, 2137]	4159	[6813, 6814]	7197	[10000, 3776]	10235	[6285, 11759]
1122	[2138, 2139]	4160	[6671, 3133]	7198	[3803, 10001]	10236	[11561, 11760]
1123	[2140, 2141]	4161	[6815, 2648]	7199	[4496, 1691]	10237	[11267, 11014]
1124	[1965, 2142]	4162	[6816, 6817]	7200	[9931, 82]	10238	[3358, 7530]
1125	[2143, 2144]	4163	[6818, 6819]	7201	[4446, 9787]	10239	[11761, 2178]
1126	[2145, 2085]	4164	[6820, 6821]	7202	[1149, 8534]	10240	[6832, 6148]
1127	[2146, 2147]	4165	[2333, 6822]	7203	[4820, 10002]	10241	[6213, 152]
1128	[2148, 2149]	4166	[6823, 3151]	7204	[10003, 4690]	10242	[2823, 7472]
1129	[2150, 2151]	4167	[6824, 5982]	7205	[10004, 10005]	10243	[7250, 11762]
1130	[2152, 2153]	4168	[6825, 6764]	7206	[8807, 4105]	10244	[7305, 3280]
1131	[2154, 2155]	4169	[6826, 6827]	7207	[5020, 4983]	10245	[3070, 11763]
1132	[2156, 2157]	4170	[6243, 2249]	7208	[10006, 9873]	10246	[11032, 11674]
1133	[2158, 2159]	4171	[2361, 6828]	7209	[5241, 5221]	10247	[11540, 11729]
1134	[2160, 2161]	4172	[6829, 6813]	7210	[10007, 5084]	10248	[6120, 6763]
1135	[2162, 514]	4173	[2955, 2026]	7211	[10008, 1067]	10249	[6950, 6741]
1136	[2163, 2087]	4174	[6830, 6831]	7212	[10009, 9844]	10250	[7779, 8479]
1137	[2164, 2165]	4175	[6832, 1891]	7213	[10010, 4910]	10251	[641, 11764]
1138	[2166, 2167]	4176	[2611, 6026]	7214	[10011, 10012]	10252	[3118, 6869]
1139	[2168, 2169]	4177	[6833, 6834]	7215	[5423, 10013]	10253	[6931, 6147]
1140	[2170, 2171]	4178	[2201, 3128]	7216	[5041, 10014]	10254	[8313, 11765]
1141	[2172, 2173]	4179	[3378, 6835]	7217	[5319, 4703]	10255	[7066, 8441]
1142	[2174, 2175]	4180	[2848, 2465]	7218	[331, 975]	10256	[3274, 10940]
1143	[2176, 2177]	4181	[3259, 6836]	7219	[5190, 10015]	10257	[7388, 5944]
1144	[2178, 2179]	4182	[6837, 6838]	7220	[1595, 10016]	10258	[7684, 11268]
1145	[2180, 2181]	4183	[6839, 6840]	7221	[1126, 10017]	10259	[5785, 3177]
1146	[2182, 2183]	4184	[6841, 146]	7222	[10018, 9342]	10260	[8302, 11425]
1147	[2184, 2185]	4185	[6842, 3251]	7223	[9524, 3908]	10261	[2038, 794]
1148	[2186, 2187]	4186	[6843, 738]	7224	[1836, 10019]	10262	[11339, 503]
1149	[2188, 2189]	4187	[6844, 2006]	7225	[1504, 4050]	10263	[11028, 7721]
1150	[2190, 2191]	4188	[6845, 6846]	7226	[10020, 10021]	10264	[6010, 6317]
1151	[2192, 2193]	4189	[6066, 6847]	7227	[4057, 9697]	10265	[11284, 11129]
1152	[2194, 2195]	4190	[6848, 3173]	7228	[10022, 3657]	10266	[7720, 11029]
1153	[2196, 2197]	4191	[6849, 6850]	7229	[10023, 9328]	10267	[11766, 2172]
1154	[2198, 2199]	4192	[6851, 6852]	7230	[10024, 1319]	10268	[5879, 11767]
1155	[2200, 2201]	4193	[6853, 6854]	7231	[1666, 10025]	10269	[2042, 8209]
1156	[2202, 2203]	4194	[6855, 710]	7232	[9505, 4670]	10270	[2946, 230]
1157	[2204, 2205]	4195	[6856, 2690]	7233	[4182, 10026]	10271	[7124, 593]
1158	[2206, 2207]	4196	[6857, 5751]	7234	[5272, 10027]	10272	[2524, 5850]
1159	[2208, 2209]	4197	[6811, 6858]	7235	[1132, 10028]	10273	[6198, 2793]

1160	[131, 2210]	4198	[6859, 2062]	7236	[9700, 9283]	10274	[5775, 11041]
1161	[2211, 2212]	4199	[6860, 6615]	7237	[10029, 1161]	10275	[1860, 3141]
1162	[2213, 2214]	4200	[6861, 644]	7238	[10030, 9090]	10276	[10971, 8135]
1163	[2215, 2216]	4201	[6862, 6863]	7239	[10031, 4973]	10277	[11703, 8286]
1164	[2217, 2218]	4202	[2976, 2297]	7240	[1044, 10032]	10278	[11756, 2092]
1165	[2219, 2220]	4203	[6864, 6865]	7241	[1684, 3840]	10279	[11768, 7089]
1166	[2221, 2222]	4204	[870, 6866]	7242	[10033, 9726]	10280	[2534, 11769]
1167	[647, 780]	4205	[514, 6508]	7243	[376, 10034]	10281	[6562, 11275]
1168	[2223, 2224]	4206	[6635, 6867]	7244	[5065, 9660]	10282	[6274, 2629]
1169	[2225, 2226]	4207	[5827, 6868]	7245	[10035, 10036]	10283	[2015, 11417]
1170	[2227, 2228]	4208	[6869, 6870]	7246	[9298, 1829]	10284	[54, 5847]
1171	[2229, 2230]	4209	[6871, 6872]	7247	[10037, 1149]	10285	[2575, 10973]
1172	[2231, 2232]	4210	[6630, 6873]	7248	[9383, 10038]	10286	[7294, 11662]
1173	[2233, 2234]	4211	[6874, 6875]	7249	[8861, 10039]	10287	[5831, 6256]
1174	[2235, 2236]	4212	[61, 6876]	7250	[10040, 10041]	10288	[11214, 1890]
1175	[2237, 2238]	4213	[6877, 6878]	7251	[3880, 10042]	10289	[956, 7142]
1176	[2239, 2240]	4214	[6879, 6880]	7252	[10043, 8672]	10290	[11770, 675]
1177	[2022, 2241]	4215	[627, 6881]	7253	[5076, 400]	10291	[5839, 11298]
1178	[2242, 2243]	4216	[6882, 6883]	7254	[9639, 10044]	10292	[861, 666]
1179	[2244, 2245]	4217	[6884, 866]	7255	[10045, 10046]	10293	[7209, 11771]
1180	[699, 2246]	4218	[6885, 6886]	7256	[10006, 10047]	10294	[11294, 8491]
1181	[2247, 2248]	4219	[886, 6887]	7257	[1755, 77]	10295	[2794, 11582]
1182	[2249, 2250]	4220	[6888, 6889]	7258	[4547, 9677]	10296	[811, 6876]
1183	[2251, 2252]	4221	[1904, 6890]	7259	[9351, 3769]	10297	[11772, 6965]
1184	[2253, 2254]	4222	[6891, 2493]	7260	[76, 10048]	10298	[7267, 8163]
1185	[2255, 2256]	4223	[6892, 6893]	7261	[1547, 1836]	10299	[8507, 3265]
1186	[2257, 2258]	4224	[6894, 6895]	7262	[8878, 9756]	10300	[7812, 6280]
1187	[2259, 2260]	4225	[6896, 6897]	7263	[9922, 3627]	10301	[2528, 6464]
1188	[2261, 2262]	4226	[2143, 6898]	7264	[1629, 9915]	10302	[11723, 2661]
1189	[2263, 502]	4227	[3082, 5751]	7265	[10049, 5145]	10303	[3033, 5914]
1190	[2264, 2265]	4228	[2979, 6899]	7266	[9563, 1579]	10304	[11773, 6888]
1191	[2266, 2267]	4229	[6900, 3237]	7267	[10050, 8725]	10305	[6233, 8428]
1192	[2268, 2269]	4230	[6901, 6902]	7268	[10051, 4307]	10306	[3239, 556]
1193	[2270, 2271]	4231	[6903, 6373]	7269	[10052, 5402]	10307	[2288, 11450]
1194	[2272, 2273]	4232	[6740, 6904]	7270	[10053, 9838]	10308	[7974, 8511]
1195	[2274, 2275]	4233	[6905, 6906]	7271	[9481, 4225]	10309	[11774, 6175]
1196	[1921, 2276]	4234	[6907, 6908]	7272	[9818, 10054]	10310	[7681, 711]
1197	[2277, 2278]	4235	[6909, 6052]	7273	[10039, 8805]	10311	[5789, 10908]
1198	[2279, 2280]	4236	[6910, 3256]	7274	[1712, 3845]	10312	[1984, 11775]
1199	[2281, 2282]	4237	[6911, 2606]	7275	[8886, 10055]	10313	[1901, 11495]
1200	[2283, 2284]	4238	[6912, 6913]	7276	[10056, 5682]	10314	[1888, 7624]
1201	[2285, 2286]	4239	[6914, 6915]	7277	[1240, 10057]	10315	[11727, 5835]
1202	[2287, 2288]	4240	[764, 635]	7278	[3928, 9786]	10316	[950, 2896]
1203	[2289, 2290]	4241	[6916, 6917]	7279	[9461, 9824]	10317	[6739, 11562]

1204	[2291, 2292]	4242	[6918, 6225]	7280	[9194, 10058]	10318	[11122, 7156]
1205	[2293, 2294]	4243	[6919, 6920]	7281	[1098, 10059]	10319	[11475, 11776]
1206	[2295, 2296]	4244	[6421, 6921]	7282	[10060, 10061]	10320	[11777, 11778]
1207	[2297, 2298]	4245	[6179, 6922]	7283	[5326, 10062]	10321	[161, 11726]
1208	[2299, 2300]	4246	[6372, 6923]	7284	[8806, 10063]	10322	[11019, 5987]
1209	[2301, 2302]	4247	[6924, 6398]	7285	[10064, 1390]	10323	[5751, 2066]
1210	[2303, 2304]	4248	[6925, 6926]	7286	[10065, 10066]	10324	[11608, 1963]
1211	[2305, 2306]	4249	[2214, 6927]	7287	[9700, 5348]	10325	[10907, 189]
1212	[2307, 2308]	4250	[2098, 6928]	7288	[4416, 106]	10326	[10912, 8175]
1213	[2309, 2310]	4251	[6929, 6930]	7289	[9667, 5315]	10327	[11779, 7899]
1214	[2311, 2312]	4252	[6931, 6932]	7290	[1392, 9755]	10328	[7507, 11780]
1215	[856, 2313]	4253	[6933, 6934]	7291	[10067, 10012]	10329	[8295, 7871]
1216	[2314, 2315]	4254	[6935, 6936]	7292	[10068, 5305]	10330	[11445, 2078]
1217	[2316, 2317]	4255	[6937, 6535]	7293	[4079, 4839]	10331	[2427, 11219]
1218	[2318, 2319]	4256	[6938, 6939]	7294	[1652, 10069]	10332	[11692, 7193]
1219	[2320, 2321]	4257	[6940, 6941]	7295	[4844, 10070]	10333	[5936, 7741]
1220	[2322, 2160]	4258	[6942, 6943]	7296	[5107, 10071]	10334	[7295, 7447]
1221	[2323, 2324]	4259	[6944, 616]	7297	[1804, 9908]	10335	[7186, 5770]
1222	[2325, 2326]	4260	[6945, 6250]	7298	[313, 3472]	10336	[11781, 7128]
1223	[2327, 726]	4261	[6946, 2892]	7299	[10072, 433]	10337	[11125, 7010]
1224	[2328, 2329]	4262	[33, 6947]	7300	[4251, 5737]	10338	[8323, 11356]
1225	[2330, 2331]	4263	[6948, 6949]	7301	[10073, 10074]	10339	[11378, 7667]
1226	[2332, 2333]	4264	[6950, 6904]	7302	[9540, 115]	10340	[7722, 6552]
1227	[2334, 2335]	4265	[6951, 6952]	7303	[1638, 4660]	10341	[7582, 8357]
1228	[2226, 2336]	4266	[6953, 6954]	7304	[5330, 4017]	10342	[6589, 7391]
1229	[2337, 2338]	4267	[6955, 6956]	7305	[4871, 3775]	10343	[11558, 6568]
1230	[2339, 2340]	4268	[6957, 6958]	7306	[353, 1585]	10344	[7276, 3227]
1231	[781, 2341]	4269	[6959, 6960]	7307	[4291, 4339]	10345	[11355, 1949]
1232	[2039, 2342]	4270	[2850, 6961]	7308	[4720, 1547]	10346	[505, 6911]
1233	[2343, 2344]	4271	[3206, 6962]	7309	[10075, 4942]	10347	[2959, 11733]
1234	[2345, 2346]	4272	[6268, 3319]	7310	[9864, 10076]	10348	[6021, 11199]
1235	[2347, 2348]	4273	[6963, 6964]	7311	[4589, 10077]	10349	[7031, 5894]
1236	[2349, 2350]	4274	[6965, 6966]	7312	[10078, 3738]	10350	[11766, 7726]
1237	[2351, 2352]	4275	[6967, 6968]	7313	[10079, 4281]	10351	[2103, 841]
1238	[544, 2353]	4276	[547, 6969]	7314	[9085, 10080]	10352	[726, 2697]
1239	[2354, 2355]	4277	[6970, 6971]	7315	[9917, 9445]	10353	[8041, 2662]
1240	[2356, 2357]	4278	[6972, 6973]	7316	[5232, 10081]	10354	[6215, 3064]
1241	[2358, 2359]	4279	[5826, 129]	7317	[990, 10082]	10355	[5809, 11329]
1242	[1893, 2360]	4280	[6171, 6974]	7318	[4627, 5395]	10356	[5864, 11782]
1243	[2361, 2362]	4281	[6975, 6976]	7319	[9948, 10083]	10357	[11783, 11784]
1244	[2363, 2364]	4282	[609, 6977]	7320	[1779, 9427]	10358	[6654, 7746]
1245	[2365, 2366]	4283	[2164, 6978]	7321	[4610, 10084]	10359	[2809, 7178]
1246	[2367, 2368]	4284	[2319, 5932]	7322	[10085, 10086]	10360	[6656, 2782]
1247	[2369, 2370]	4285	[6858, 2048]	7323	[10087, 4295]	10361	[2509, 2614]

1248	[2371, 2185]	4286	[6660, 6979]	7324	[10088, 5692]	10362	[11640, 11072]
1249	[2372, 2373]	4287	[6980, 6981]	7325	[10089, 10090]	10363	[11485, 11231]
1250	[2374, 2375]	4288	[6982, 1930]	7326	[10091, 10092]	10364	[6570, 201]
1251	[2376, 2377]	4289	[6545, 6983]	7327	[10093, 10094]	10365	[2901, 8355]
1252	[2378, 2379]	4290	[2951, 6686]	7328	[3408, 10095]	10366	[516, 7289]
1253	[2380, 2381]	4291	[933, 6984]	7329	[5649, 4239]	10367	[11144, 11785]
1254	[2382, 2383]	4292	[6985, 6986]	7330	[5053, 3863]	10368	[11786, 11787]
1255	[2384, 2385]	4293	[6987, 6988]	7331	[10096, 1600]	10369	[2148, 8183]
1256	[2386, 2387]	4294	[6989, 6990]	7332	[10097, 10098]	10370	[8020, 2040]
1257	[2388, 2389]	4295	[6991, 6992]	7333	[4544, 4206]	10371	[1908, 3238]
1258	[2390, 2391]	4296	[764, 2789]	7334	[3890, 3520]	10372	[6972, 7107]
1259	[2392, 2393]	4297	[6993, 6994]	7335	[9810, 9645]	10373	[7780, 7628]
1260	[2394, 2395]	4298	[6995, 5846]	7336	[10099, 10100]	10374	[695, 7943]
1261	[2396, 2397]	4299	[2786, 6996]	7337	[10101, 10102]	10375	[11119, 11088]
1262	[2398, 2399]	4300	[3293, 6997]	7338	[1804, 1572]	10376	[8292, 11788]
1263	[2324, 2400]	4301	[6998, 6999]	7339	[9766, 10103]	10377	[8015, 6744]
1264	[2401, 2402]	4302	[7000, 7001]	7340	[4963, 9441]	10378	[11512, 11104]
1265	[2403, 2404]	4303	[7002, 7003]	7341	[10104, 9737]	10379	[11752, 8161]
1266	[2405, 2406]	4304	[7004, 7005]	7342	[1133, 3469]	10380	[10997, 11789]
1267	[2407, 2408]	4305	[7006, 510]	7343	[8576, 1112]	10381	[2906, 210]
1268	[828, 2409]	4306	[7007, 6293]	7344	[10105, 9581]	10382	[11790, 3062]
1269	[2410, 2411]	4307	[7008, 7009]	7345	[4508, 10106]	10383	[1905, 2281]
1270	[2412, 2413]	4308	[7010, 7011]	7346	[10107, 5282]	10384	[5899, 5868]
1271	[2414, 2415]	4309	[7012, 5848]	7347	[10108, 65]	10385	[6677, 3142]
1272	[2416, 2417]	4310	[2649, 7013]	7348	[10109, 3468]	10386	[10889, 7475]
1273	[2418, 2419]	4311	[6155, 3144]	7349	[9200, 5188]	10387	[11185, 2225]
1274	[2420, 2421]	4312	[2518, 7014]	7350	[75, 9504]	10388	[6249, 7406]
1275	[2422, 2423]	4313	[7015, 503]	7351	[5060, 1392]	10389	[2373, 5768]
1276	[2424, 2425]	4314	[6289, 2197]	7352	[5518, 1708]	10390	[11192, 5968]
1277	[2426, 249]	4315	[7016, 7017]	7353	[8986, 1519]	10391	[3355, 6707]
1278	[2427, 2428]	4316	[3322, 7018]	7354	[9358, 9467]	10392	[11791, 5904]
1279	[2429, 2430]	4317	[3325, 7019]	7355	[10110, 10111]	10393	[11747, 6389]
1280	[2431, 2432]	4318	[7020, 7021]	7356	[4945, 10112]	10394	[3045, 5956]
1281	[2433, 2434]	4319	[7022, 7023]	7357	[10113, 10114]	10395	[11792, 3020]
1282	[2435, 2436]	4320	[7024, 7025]	7358	[494, 10115]	10396	[8304, 10939]
1283	[2437, 244]	4321	[5811, 7026]	7359	[1410, 10116]	10397	[11793, 8233]
1284	[56, 2088]	4322	[7027, 7028]	7360	[10117, 10118]	10398	[591, 11794]
1285	[2438, 2439]	4323	[7029, 7030]	7361	[9907, 8807]	10399	[6059, 2603]
1286	[2440, 2441]	4324	[7031, 7032]	7362	[3924, 10119]	10400	[11269, 10881]
1287	[2442, 2443]	4325	[7033, 7034]	7363	[10120, 10121]	10401	[7135, 2201]
1288	[2444, 2445]	4326	[7035, 5941]	7364	[9637, 10122]	10402	[11074, 634]
1289	[2446, 2447]	4327	[2659, 934]	7365	[5181, 5639]	10403	[7733, 3270]
1290	[2448, 2449]	4328	[2505, 656]	7366	[3680, 8581]	10404	[3024, 11795]
1291	[2450, 2451]	4329	[6203, 7036]	7367	[413, 9921]	10405	[6054, 10883]

1292	[2452, 2453]	4330	[7037, 7038]	7368	[10123, 10124]	10406	[7396, 11796]
1293	[2454, 553]	4331	[7039, 7040]	7369	[10125, 10126]	10407	[6694, 7258]
1294	[2455, 2456]	4332	[7041, 7042]	7370	[1273, 9910]	10408	[11797, 11469]
1295	[2457, 2077]	4333	[7043, 7044]	7371	[9070, 1665]	10409	[3385, 11000]
1296	[2458, 2459]	4334	[7045, 7046]	7372	[10127, 4611]	10410	[11798, 11799]
1297	[2460, 2461]	4335	[5957, 7047]	7373	[1046, 1084]	10411	[11800, 8110]
1298	[2462, 1970]	4336	[808, 6041]	7374	[9642, 10128]	10412	[7408, 532]
1299	[2463, 2210]	4337	[7048, 7049]	7375	[9708, 1577]	10413	[11480, 6633]
1300	[568, 2464]	4338	[7050, 7051]	7376	[10129, 10130]	10414	[7821, 6504]
1301	[2465, 2466]	4339	[7052, 7053]	7377	[9712, 1612]	10415	[6619, 2129]
1302	[2467, 2468]	4340	[7054, 7055]	7378	[10131, 3612]	10416	[11166, 11137]
1303	[2469, 2470]	4341	[7056, 2541]	7379	[10037, 8873]	10417	[3016, 11609]
1304	[2471, 2472]	4342	[7057, 2026]	7380	[1408, 3975]	10418	[11801, 8341]
1305	[2473, 2474]	4343	[510, 5995]	7381	[10114, 10132]	10419	[10957, 2605]
1306	[2475, 2476]	4344	[2618, 3318]	7382	[9217, 3607]	10420	[10904, 2394]
1307	[2477, 2174]	4345	[7058, 7059]	7383	[1279, 9983]	10421	[7841, 11333]
1308	[2478, 2107]	4346	[3335, 7060]	7384	[1275, 10133]	10422	[7865, 6518]
1309	[819, 2479]	4347	[7061, 5958]	7385	[9995, 9228]	10423	[7983, 3100]
1310	[2480, 2481]	4348	[6572, 7062]	7386	[10134, 344]	10424	[10767, 2910]
1311	[498, 2482]	4349	[2889, 7063]	7387	[10135, 1754]	10425	[11668, 2678]
1312	[2483, 2484]	4350	[7064, 2309]	7388	[10136, 5335]	10426	[3322, 3152]
1313	[2485, 2486]	4351	[7065, 7066]	7389	[10137, 10138]	10427	[11802, 2172]
1314	[2296, 2012]	4352	[1915, 558]	7390	[8984, 9378]	10428	[11803, 5872]
1315	[1935, 2487]	4353	[2736, 7067]	7391	[1140, 10139]	10429	[10877, 11516]
1316	[2488, 2489]	4354	[6294, 7068]	7392	[10140, 9732]	10430	[815, 8258]
1317	[2490, 2491]	4355	[6148, 7069]	7393	[9174, 10141]	10431	[11728, 10765]
1318	[2492, 2493]	4356	[7070, 7071]	7394	[4170, 10142]	10432	[7715, 10862]
1319	[2260, 2494]	4357	[7072, 740]	7395	[9368, 10143]	10433	[11616, 2724]
1320	[2495, 2496]	4358	[7073, 2774]	7396	[10144, 9312]	10434	[10899, 11804]
1321	[2497, 2498]	4359	[7074, 7075]	7397	[4696, 9393]	10435	[2651, 11141]
1322	[2499, 2500]	4360	[6202, 7076]	7398	[9017, 10145]	10436	[10954, 6640]
1323	[2501, 2502]	4361	[3331, 7077]	7399	[10146, 9831]	10437	[11136, 11167]
1324	[2246, 2503]	4362	[7078, 7079]	7400	[9323, 10147]	10438	[7164, 7088]
1325	[2504, 2505]	4363	[6986, 7080]	7401	[10148, 1366]	10439	[7455, 6143]
1326	[728, 2506]	4364	[2213, 644]	7402	[10149, 10150]	10440	[11805, 11174]
1327	[2507, 2508]	4365	[7081, 7041]	7403	[10151, 4010]	10441	[8498, 5795]
1328	[2005, 2509]	4366	[6278, 7082]	7404	[9362, 9160]	10442	[2609, 824]
1329	[2510, 2511]	4367	[7083, 7084]	7405	[9670, 1771]	10443	[6939, 8096]
1330	[2512, 2152]	4368	[7085, 7086]	7406	[3593, 9453]	10444	[11681, 7833]
1331	[2513, 2148]	4369	[7087, 2152]	7407	[10152, 10153]	10445	[11639, 2243]
1332	[2514, 2515]	4370	[1938, 7088]	7408	[10154, 1039]	10446	[578, 11806]
1333	[2516, 761]	4371	[7089, 7090]	7409	[24, 10155]	10447	[2688, 6089]
1334	[2517, 2518]	4372	[6678, 2845]	7410	[10156, 10157]	10448	[2140, 8338]
1335	[2047, 2519]	4373	[7091, 7092]	7411	[8704, 4234]	10449	[2573, 6979]

1336	[2520, 2521]	4374	[7093, 7094]	7412	[9753, 3469]	10450	[11807, 5755]
1337	[2522, 2523]	4375	[3036, 7095]	7413	[4676, 10158]	10451	[7927, 6713]
1338	[2524, 2525]	4376	[7096, 7097]	7414	[10159, 10160]	10452	[6881, 3098]
1339	[2526, 2527]	4377	[7098, 5822]	7415	[1058, 9130]	10453	[2640, 2911]
1340	[2528, 2529]	4378	[937, 7099]	7416	[10161, 10162]	10454	[6443, 10994]
1341	[2530, 2531]	4379	[6270, 7100]	7417	[10163, 5635]	10455	[11808, 7139]
1342	[2082, 2532]	4380	[7101, 2390]	7418	[3535, 10164]	10456	[7204, 11740]
1343	[2533, 2090]	4381	[7102, 7103]	7419	[8969, 10165]	10457	[583, 10854]
1344	[2534, 2535]	4382	[7104, 7105]	7420	[10166, 1645]	10458	[2319, 667]
1345	[2536, 2537]	4383	[7106, 7107]	7421	[5087, 9765]	10459	[11809, 11810]
1346	[2070, 2538]	4384	[793, 7108]	7422	[9249, 10167]	10460	[11179, 10935]
1347	[2539, 2540]	4385	[7109, 7110]	7423	[10168, 9721]	10461	[10928, 11261]
1348	[2541, 2542]	4386	[6857, 2065]	7424	[5159, 8833]	10462	[10931, 6102]
1349	[2543, 2544]	4387	[540, 7111]	7425	[4896, 4258]	10463	[7112, 7171]
1350	[2545, 2546]	4388	[2448, 6340]	7426	[4248, 8978]	10464	[6748, 11168]
1351	[2547, 2548]	4389	[7112, 7113]	7427	[10169, 10170]	10465	[6019, 11811]
1352	[2549, 2550]	4390	[7114, 3345]	7428	[10171, 3718]	10466	[10776, 7905]
1353	[2551, 2552]	4391	[7115, 7116]	7429	[9430, 9747]	10467	[10748, 11532]
1354	[2553, 2554]	4392	[7117, 7118]	7430	[5069, 4165]	10468	[11378, 11179]
1355	[625, 2555]	4393	[7119, 2061]	7431	[4780, 9937]	10469	[593, 11407]
1356	[2556, 2557]	4394	[7086, 7120]	7432	[10172, 10173]	10470	[2720, 8014]
1357	[2558, 2559]	4395	[1924, 6402]	7433	[5366, 10174]	10471	[11473, 11009]
1358	[2560, 2561]	4396	[7121, 7122]	7434	[9468, 1765]	10472	[509, 11708]
1359	[2562, 2563]	4397	[7123, 506]	7435	[10175, 10176]	10473	[2128, 11812]
1360	[2564, 2565]	4398	[7124, 3153]	7436	[9696, 10177]	10474	[1914, 2946]
1361	[2566, 2567]	4399	[2532, 7125]	7437	[9513, 10178]	10475	[6838, 11813]
1362	[1953, 2568]	4400	[6032, 7126]	7438	[10179, 10180]	10476	[6186, 2044]
1363	[2569, 2570]	4401	[7127, 7128]	7439	[10181, 10182]	10477	[8470, 2662]
1364	[2571, 2572]	4402	[7129, 7130]	7440	[9795, 4539]	10478	[3121, 10809]
1365	[2573, 2574]	4403	[7131, 7132]	7441	[3795, 10183]	10479	[3295, 2202]
1366	[2575, 2576]	4404	[7133, 7134]	7442	[278, 10184]	10480	[7280, 11638]
1367	[2577, 2578]	4405	[7135, 3051]	7443	[3982, 10184]	10481	[11484, 8419]
1368	[2579, 2580]	4406	[7136, 7137]	7444	[9325, 4701]	10482	[7157, 11782]
1369	[2581, 2582]	4407	[6526, 7138]	7445	[8630, 9976]	10483	[11746, 11814]
1370	[2583, 2584]	4408	[7139, 3187]	7446	[10185, 4406]	10484	[6271, 7332]
1371	[2585, 2586]	4409	[7140, 6750]	7447	[10186, 10187]	10485	[11297, 11815]
1372	[1923, 2587]	4410	[7141, 7142]	7448	[10188, 10010]	10486	[6822, 11312]
1373	[2588, 2589]	4411	[7143, 734]	7449	[10189, 76]	10487	[2866, 11794]
1374	[2590, 2591]	4412	[669, 7144]	7450	[9535, 10177]	10488	[8123, 7649]
1375	[2006, 2592]	4413	[7145, 5971]	7451	[5618, 10190]	10489	[224, 2313]
1376	[2593, 2594]	4414	[7146, 7147]	7452	[1303, 10191]	10490	[5985, 3000]
1377	[2595, 2596]	4415	[7148, 212]	7453	[4255, 3556]	10491	[6646, 5779]
1378	[2597, 2598]	4416	[7149, 7150]	7454	[10192, 9315]	10492	[8223, 10947]
1379	[2159, 2599]	4417	[7151, 7152]	7455	[5540, 3636]	10493	[6903, 6923]

1380	[2420, 1949]	4418	[162, 7153]	7456	[8994, 10038]	10494	[2162, 7944]
1381	[2600, 2601]	4419	[7154, 6430]	7457	[10193, 10194]	10495	[11111, 11620]
1382	[2602, 2603]	4420	[7155, 7156]	7458	[5151, 10195]	10496	[7694, 11759]
1383	[2604, 2605]	4421	[7157, 5865]	7459	[10196, 3890]	10497	[2011, 11271]
1384	[2606, 2607]	4422	[7158, 7159]	7460	[10197, 8566]	10498	[2226, 5785]
1385	[2608, 2609]	4423	[7160, 7161]	7461	[8746, 29]	10499	[6328, 11015]
1386	[2610, 2611]	4424	[7162, 7163]	7462	[10198, 10199]	10500	[2701, 2650]
1387	[2612, 2613]	4425	[1937, 7164]	7463	[10200, 4380]	10501	[7075, 7516]
1388	[811, 62]	4426	[7165, 2835]	7464	[4141, 10201]	10502	[1981, 6583]
1389	[2614, 2615]	4427	[7166, 2873]	7465	[9854, 9023]	10503	[11816, 11817]
1390	[2616, 2617]	4428	[53, 5846]	7466	[9431, 8595]	10504	[753, 2705]
1391	[2618, 2619]	4429	[2751, 6666]	7467	[10202, 10203]	10505	[6872, 2795]
1392	[2620, 2621]	4430	[2463, 226]	7468	[1230, 10204]	10506	[10974, 10894]
1393	[2016, 2622]	4431	[6045, 7167]	7469	[5063, 5366]	10507	[11818, 7722]
1394	[2623, 2624]	4432	[7168, 6297]	7470	[8734, 1288]	10508	[11492, 8148]
1395	[2625, 2626]	4433	[7169, 7170]	7471	[9859, 1228]	10509	[2259, 246]
1396	[2627, 2429]	4434	[6086, 7171]	7472	[10205, 5185]	10510	[10766, 1987]
1397	[2628, 2629]	4435	[7118, 6603]	7473	[10206, 4520]	10511	[5846, 2987]
1398	[2630, 2631]	4436	[1925, 7172]	7474	[1029, 10207]	10512	[11459, 11591]
1399	[2632, 2633]	4437	[7173, 2998]	7475	[3551, 9530]	10513	[8129, 2244]
1400	[2634, 2635]	4438	[7174, 2759]	7476	[9653, 5624]	10514	[611, 6112]
1401	[2636, 2637]	4439	[7175, 7176]	7477	[5348, 10208]	10515	[6075, 1989]
1402	[2638, 2639]	4440	[6860, 6111]	7478	[10209, 9777]	10516	[3374, 6007]
1403	[1987, 2640]	4441	[226, 7177]	7479	[9620, 96]	10517	[10828, 7036]
1404	[2641, 2642]	4442	[5907, 7178]	7480	[9303, 8731]	10518	[611, 8293]
1405	[2643, 2644]	4443	[7179, 6721]	7481	[10210, 10008]	10519	[220, 6738]
1406	[2645, 2646]	4444	[7180, 7181]	7482	[9409, 10211]	10520	[11228, 11645]
1407	[2647, 2648]	4445	[7182, 7183]	7483	[10212, 4355]	10521	[8366, 7663]
1408	[2649, 2650]	4446	[7184, 7185]	7484	[9202, 10213]	10522	[7797, 2289]
1409	[2651, 570]	4447	[7186, 7187]	7485	[10104, 5353]	10523	[11819, 11820]
1410	[2652, 2653]	4448	[7188, 7189]	7486	[9280, 8892]	10524	[6220, 3357]
1411	[1994, 2654]	4449	[7190, 7191]	7487	[10214, 9185]	10525	[7812, 11129]
1412	[923, 2655]	4450	[7192, 811]	7488	[4874, 10215]	10526	[7566, 8001]
1413	[2656, 2657]	4451	[798, 7193]	7489	[10216, 10217]	10527	[6579, 11292]
1414	[2658, 2483]	4452	[7194, 5855]	7490	[10218, 8984]	10528	[11821, 11822]
1415	[506, 2606]	4453	[7195, 7196]	7491	[10219, 10220]	10529	[11823, 11248]
1416	[2659, 578]	4454	[7197, 6100]	7492	[10221, 4828]	10530	[2266, 11824]
1417	[2660, 2661]	4455	[7198, 3140]	7493	[1338, 4531]	10531	[6735, 11825]
1418	[2662, 2663]	4456	[5832, 7199]	7494	[4166, 10222]	10532	[3178, 8376]
1419	[2664, 969]	4457	[7200, 6843]	7495	[9116, 1036]	10533	[7660, 10874]
1420	[2451, 2665]	4458	[545, 2544]	7496	[10223, 5531]	10534	[8274, 11826]
1421	[2666, 1917]	4459	[2489, 7201]	7497	[9706, 1275]	10535	[11827, 3356]
1422	[2667, 2668]	4460	[2457, 6587]	7498	[9552, 9126]	10536	[501, 7958]
1423	[2669, 2670]	4461	[7202, 5760]	7499	[1490, 4299]	10537	[11503, 11828]

1424	[2046, 2671]	4462	[7203, 5862]	7500	[10224, 9217]	10538	[11829, 870]
1425	[2493, 2672]	4463	[2021, 777]	7501	[9779, 9415]	10539	[5883, 3195]
1426	[2673, 2674]	4464	[924, 7204]	7502	[10225, 3984]	10540	[3186, 7067]
1427	[2675, 2676]	4465	[7205, 7206]	7503	[1577, 9925]	10541	[6262, 8358]
1428	[2677, 2678]	4466	[7139, 5972]	7504	[9935, 9269]	10542	[11802, 7726]
1429	[2679, 2680]	4467	[7207, 6079]	7505	[9869, 5190]	10543	[11222, 11413]
1430	[2681, 2682]	4468	[2398, 7208]	7506	[323, 10226]	10544	[8340, 542]
1431	[2683, 2684]	4469	[3022, 6826]	7507	[8867, 10227]	10545	[6399, 11830]
1432	[2685, 2686]	4470	[7209, 7210]	7508	[10228, 3512]	10546	[7336, 6424]
1433	[2687, 2327]	4471	[2376, 7211]	7509	[10004, 9882]	10547	[11831, 5992]
1434	[2304, 2328]	4472	[7212, 202]	7510	[10229, 10230]	10548	[2305, 8054]
1435	[2688, 2531]	4473	[5971, 3187]	7511	[9277, 10231]	10549	[6889, 11321]
1436	[2689, 2690]	4474	[7213, 7214]	7512	[10064, 8741]	10550	[7102, 1969]
1437	[2691, 498]	4475	[2200, 3051]	7513	[8911, 10232]	10551	[11832, 812]
1438	[868, 2228]	4476	[7215, 3386]	7514	[8704, 4495]	10552	[6281, 10987]
1439	[2692, 2693]	4477	[7216, 6103]	7515	[10233, 10234]	10553	[6116, 11833]
1440	[2694, 2695]	4478	[3279, 5848]	7516	[9905, 10235]	10554	[11834, 652]
1441	[2696, 2697]	4479	[7217, 7218]	7517	[9906, 9962]	10555	[6729, 7891]
1442	[2698, 2699]	4480	[6116, 7080]	7518	[10236, 10237]	10556	[6986, 11833]
1443	[2700, 2701]	4481	[3279, 7219]	7519	[10238, 9241]	10557	[11471, 11787]
1444	[2702, 2049]	4482	[7220, 7221]	7520	[10239, 1741]	10558	[11187, 6756]
1445	[2703, 2704]	4483	[7222, 6467]	7521	[425, 10240]	10559	[2114, 11008]
1446	[2705, 2706]	4484	[7223, 7224]	7522	[9787, 4086]	10560	[11301, 8479]
1447	[2707, 2526]	4485	[7225, 6246]	7523	[1305, 9309]	10561	[2689, 11357]
1448	[2708, 2709]	4486	[7226, 2964]	7524	[5029, 9890]	10562	[6172, 39]
1449	[2710, 2711]	4487	[5866, 7227]	7525	[1806, 10188]	10563	[1868, 11447]
1450	[2712, 2713]	4488	[6254, 7167]	7526	[10241, 10189]	10564	[11576, 874]
1451	[2714, 2715]	4489	[7228, 2003]	7527	[5653, 478]	10565	[6009, 3320]
1452	[2716, 2717]	4490	[740, 2790]	7528	[8621, 4889]	10566	[6754, 11241]
1453	[2718, 1914]	4491	[7229, 2950]	7529	[10242, 3945]	10567	[6093, 6364]
1454	[2719, 2720]	4492	[6532, 7230]	7530	[10243, 10244]	10568	[8511, 10869]
1455	[2721, 2722]	4493	[2294, 7231]	7531	[10245, 10246]	10569	[6517, 11395]
1456	[2607, 2723]	4494	[7232, 7233]	7532	[9779, 10247]	10570	[876, 11835]
1457	[2724, 2725]	4495	[7234, 7235]	7533	[4366, 5208]	10571	[5888, 6191]
1458	[2726, 2727]	4496	[7236, 7237]	7534	[5000, 3576]	10572	[10817, 2964]
1459	[2728, 2729]	4497	[7238, 5889]	7535	[4613, 5056]	10573	[2195, 11764]
1460	[2730, 2731]	4498	[7239, 7240]	7536	[9640, 4708]	10574	[11409, 6223]
1461	[2732, 2733]	4499	[7241, 7242]	7537	[1044, 4566]	10575	[7132, 11402]
1462	[2734, 2735]	4500	[7243, 6788]	7538	[8653, 1068]	10576	[11792, 11138]
1463	[2736, 2737]	4501	[7244, 7245]	7539	[9472, 3886]	10577	[3363, 6912]
1464	[2738, 2482]	4502	[7246, 7247]	7540	[10248, 5522]	10578	[11502, 11675]
1465	[698, 2739]	4503	[929, 7248]	7541	[404, 8759]	10579	[11831, 10795]
1466	[2740, 2741]	4504	[7249, 7250]	7542	[4149, 3422]	10580	[11836, 6243]
1467	[2742, 2743]	4505	[2664, 7251]	7543	[10249, 10250]	10581	[886, 7330]

1468	[2744, 2745]	4506	[6470, 7252]	7544	[5491, 4465]	10582	[161, 8382]
1469	[2746, 2747]	4507	[7253, 633]	7545	[4878, 9842]	10583	[10942, 8428]
1470	[2748, 2749]	4508	[7254, 2721]	7546	[4688, 4284]	10584	[10760, 2244]
1471	[2750, 2751]	4509	[6051, 7255]	7547	[10251, 1430]	10585	[10820, 8501]
1472	[2752, 2753]	4510	[7256, 6285]	7548	[9881, 10005]	10586	[10789, 3218]
1473	[2754, 2755]	4511	[1887, 6235]	7549	[9906, 10252]	10587	[1921, 8025]
1474	[1881, 2756]	4512	[2985, 7257]	7550	[10253, 10254]	10588	[11837, 11838]
1475	[2757, 2758]	4513	[7258, 7259]	7551	[489, 10255]	10589	[8091, 11839]
1476	[2759, 2760]	4514	[7260, 835]	7552	[10256, 10123]	10590	[2084, 11706]
1477	[2761, 2762]	4515	[2171, 3310]	7553	[10257, 8600]	10591	[6351, 11840]
1478	[2763, 2764]	4516	[2482, 236]	7554	[4818, 4615]	10592	[6981, 11825]
1479	[2765, 2766]	4517	[7261, 2193]	7555	[10163, 10258]	10593	[7982, 719]
1480	[2767, 2768]	4518	[7262, 7263]	7556	[3407, 10259]	10594	[6450, 8225]
1481	[2769, 2770]	4519	[7264, 7085]	7557	[10260, 4155]	10595	[11412, 7994]
1482	[2771, 2772]	4520	[7265, 7266]	7558	[8946, 9653]	10596	[6133, 11841]
1483	[2773, 2774]	4521	[872, 684]	7559	[4005, 10261]	10597	[11842, 11843]
1484	[2775, 2776]	4522	[7267, 5766]	7560	[10262, 10263]	10598	[11154, 6455]
1485	[2777, 2778]	4523	[6712, 2862]	7561	[8653, 1469]	10599	[8137, 511]
1486	[2779, 2780]	4524	[3217, 6207]	7562	[10117, 10066]	10600	[6189, 7245]
1487	[2781, 2782]	4525	[1906, 2217]	7563	[9592, 5184]	10601	[153, 11648]
1488	[2783, 2784]	4526	[7268, 5873]	7564	[1516, 5408]	10602	[2029, 7715]
1489	[2785, 2786]	4527	[851, 3384]	7565	[9570, 5187]	10603	[3290, 11313]
1490	[2787, 2788]	4528	[2696, 727]	7566	[4807, 10264]	10604	[11844, 11315]
1491	[634, 2789]	4529	[6153, 7269]	7567	[10265, 8529]	10605	[704, 7508]
1492	[2790, 2791]	4530	[7270, 6993]	7568	[1569, 10266]	10606	[10856, 11737]
1493	[2792, 2793]	4531	[7271, 7272]	7569	[10267, 10268]	10607	[11034, 11767]
1494	[2794, 10]	4532	[2525, 2849]	7570	[3774, 10269]	10608	[11845, 2377]
1495	[2795, 2796]	4533	[7273, 6968]	7571	[10270, 1639]	10609	[5817, 7348]
1496	[2797, 2798]	4534	[7274, 7275]	7572	[10161, 10271]	10610	[8097, 7016]
1497	[2799, 2800]	4535	[717, 7276]	7573	[8583, 10272]	10611	[11034, 7993]
1498	[2801, 2802]	4536	[7277, 7278]	7574	[4541, 9146]	10612	[936, 6869]
1499	[2803, 1863]	4537	[7279, 843]	7575	[1615, 5297]	10613	[11468, 2105]
1500	[2804, 2805]	4538	[7280, 7281]	7576	[4056, 3685]	10614	[5918, 6247]
1501	[2806, 2332]	4539	[7282, 7283]	7577	[5250, 10273]	10615	[6908, 11546]
1502	[2497, 2807]	4540	[7284, 7285]	7578	[8543, 373]	10616	[1880, 11478]
1503	[2808, 2237]	4541	[2340, 7286]	7579	[10274, 1848]	10617	[5890, 7844]
1504	[2809, 2707]	4542	[595, 7287]	7580	[3974, 1409]	10618	[11037, 11421]
1505	[2810, 2811]	4543	[7288, 7289]	7581	[4545, 10275]	10619	[7874, 133]
1506	[873, 2812]	4544	[6633, 7290]	7582	[10276, 10277]	10620	[11617, 2117]
1507	[755, 2813]	4545	[7291, 6644]	7583	[5525, 8798]	10621	[609, 801]
1508	[2602, 2814]	4546	[6146, 6932]	7584	[10278, 10279]	10622	[3263, 1953]
1509	[2815, 2816]	4547	[7292, 7293]	7585	[10091, 1609]	10623	[10762, 904]
1510	[2817, 2818]	4548	[2313, 7294]	7586	[10153, 10280]	10624	[11846, 8235]
1511	[2819, 2820]	4549	[2747, 7295]	7587	[10281, 9275]	10625	[11601, 2622]

1512	[2821, 2822]	4550	[7296, 2506]	7588	[10282, 10283]	10626	[6576, 7588]
1513	[2823, 2382]	4551	[7297, 7298]	7589	[4978, 1758]	10627	[11531, 7553]
1514	[2824, 2825]	4552	[2008, 7299]	7590	[10284, 9673]	10628	[6701, 11847]
1515	[2826, 2827]	4553	[2362, 7300]	7591	[4552, 4113]	10629	[11773, 11307]
1516	[2828, 2829]	4554	[7226, 7301]	7592	[10285, 5392]	10630	[2931, 2275]
1517	[2830, 2831]	4555	[6904, 7302]	7593	[10286, 10287]	10631	[2720, 2404]
1518	[2832, 2833]	4556	[6762, 6121]	7594	[4902, 5305]	10632	[11781, 7509]
1519	[2834, 545]	4557	[2223, 7303]	7595	[9578, 3964]	10633	[8017, 3205]
1520	[2835, 2836]	4558	[2837, 7304]	7596	[109, 1032]	10634	[11848, 8098]
1521	[2837, 2838]	4559	[6086, 7113]	7597	[5342, 476]	10635	[10870, 2332]
1522	[2839, 2742]	4560	[2766, 7305]	7598	[9070, 4077]	10636	[2954, 7057]
1523	[2840, 2744]	4561	[7306, 598]	7599	[1245, 1184]	10637	[6519, 567]
1524	[2841, 2842]	4562	[7307, 517]	7600	[9006, 9021]	10638	[2272, 160]
1525	[2843, 2844]	4563	[2476, 2022]	7601	[10288, 10289]	10639	[7229, 8299]
1526	[2845, 2846]	4564	[7308, 6328]	7602	[387, 4295]	10640	[11849, 2891]
1527	[2847, 2848]	4565	[7309, 7310]	7603	[1489, 1785]	10641	[573, 2869]
1528	[2849, 2850]	4566	[508, 7311]	7604	[10290, 10291]	10642	[7601, 7054]
1529	[2851, 2852]	4567	[7312, 7313]	7605	[439, 10292]	10643	[8267, 1909]
1530	[2853, 2854]	4568	[7001, 6076]	7606	[10293, 4415]	10644	[10919, 5750]
1531	[2855, 2856]	4569	[7314, 2651]	7607	[10294, 8566]	10645	[6410, 11358]
1532	[2857, 2858]	4570	[7315, 7316]	7608	[10295, 10296]	10646	[11850, 11851]
1533	[2859, 2860]	4571	[7317, 7318]	7609	[5573, 1838]	10647	[3342, 626]
1534	[2861, 2862]	4572	[3241, 7319]	7610	[19, 10297]	10648	[525, 7938]
1535	[2863, 2864]	4573	[7320, 7321]	7611	[10298, 10299]	10649	[2594, 2097]
1536	[2865, 2866]	4574	[7322, 7323]	7612	[4045, 8678]	10650	[7417, 8249]
1537	[2867, 2868]	4575	[7324, 3356]	7613	[10300, 3521]	10651	[11803, 7268]
1538	[2869, 2870]	4576	[7325, 7326]	7614	[414, 4466]	10652	[11790, 6836]
1539	[2871, 2872]	4577	[7327, 3124]	7615	[3734, 10301]	10653	[2642, 2352]
1540	[2873, 2874]	4578	[7328, 7329]	7616	[9058, 10302]	10654	[6819, 11852]
1541	[2875, 2876]	4579	[2942, 7330]	7617	[9579, 9789]	10655	[2931, 7533]
1542	[2877, 2878]	4580	[2669, 2559]	7618	[10011, 10303]	10656	[6195, 2382]
1543	[2879, 2168]	4581	[1922, 7331]	7619	[10304, 10123]	10657	[11677, 11853]
1544	[880, 2880]	4582	[668, 6020]	7620	[5346, 10236]	10658	[7029, 6703]
1545	[882, 2881]	4583	[7332, 7333]	7621	[9973, 9387]	10659	[2243, 7459]
1546	[2882, 2883]	4584	[2495, 6532]	7622	[3461, 4197]	10660	[3380, 6433]
1547	[2884, 2885]	4585	[7306, 6854]	7623	[9245, 8771]	10661	[712, 11152]
1548	[2886, 2887]	4586	[7084, 7334]	7624	[8793, 10305]	10662	[674, 6789]
1549	[2888, 2889]	4587	[7335, 7336]	7625	[284, 5583]	10663	[6859, 3328]
1550	[2890, 2891]	4588	[7337, 7338]	7626	[1767, 1624]	10664	[3294, 7981]
1551	[2892, 2893]	4589	[7339, 7340]	7627	[1451, 3763]	10665	[8210, 11361]
1552	[2894, 2895]	4590	[7341, 7342]	7628	[1134, 1379]	10666	[3175, 11276]
1553	[2896, 2897]	4591	[7343, 7344]	7629	[10306, 9817]	10667	[6948, 6936]
1554	[2898, 2899]	4592	[6089, 7345]	7630	[1288, 3475]	10668	[11854, 7216]
1555	[2900, 2901]	4593	[7346, 7347]	7631	[1239, 1047]	10669	[10991, 7676]

1556	[2902, 2903]	4594	[6467, 7348]	7632	[10307, 10308]	10670	[11855, 7386]
1557	[2791, 2904]	4595	[7349, 7350]	7633	[1373, 10309]	10671	[741, 3079]
1558	[2905, 2906]	4596	[7310, 7351]	7634	[3741, 10310]	10672	[2596, 11856]
1559	[2907, 2908]	4597	[7352, 7353]	7635	[1752, 72]	10673	[7099, 11116]
1560	[2909, 2516]	4598	[7354, 3035]	7636	[9014, 9640]	10674	[11857, 11247]
1561	[2910, 2911]	4599	[7355, 7356]	7637	[4676, 9178]	10675	[2021, 6072]
1562	[2912, 2913]	4600	[7357, 7358]	7638	[4074, 5026]	10676	[7756, 39]
1563	[2584, 2914]	4601	[7359, 7360]	7639	[10291, 5257]	10677	[838, 2855]
1564	[2915, 2916]	4602	[7361, 7362]	7640	[9929, 10311]	10678	[2740, 2944]
1565	[2917, 2918]	4603	[7363, 7364]	7641	[69, 10312]	10679	[7446, 6874]
1566	[2919, 2920]	4604	[7365, 3288]	7642	[10313, 10314]	10680	[2903, 7430]
1567	[2921, 2922]	4605	[2019, 7366]	7643	[8707, 487]	10681	[7541, 11731]
1568	[2923, 2924]	4606	[7367, 7368]	7644	[10009, 8740]	10682	[10821, 7818]
1569	[2925, 2926]	4607	[7369, 7370]	7645	[1018, 9491]	10683	[6212, 10788]
1570	[538, 2927]	4608	[2366, 6346]	7646	[9581, 9642]	10684	[6133, 8429]
1571	[2928, 2929]	4609	[7371, 2726]	7647	[5400, 10315]	10685	[5917, 10965]
1572	[2930, 2931]	4610	[6188, 2348]	7648	[8910, 10316]	10686	[11858, 8092]
1573	[2932, 2933]	4611	[6764, 7372]	7649	[9291, 1680]	10687	[11180, 8267]
1574	[2934, 2935]	4612	[2480, 3068]	7650	[10317, 9567]	10688	[11244, 6043]
1575	[802, 2936]	4613	[7373, 7374]	7651	[10318, 5015]	10689	[2901, 11795]
1576	[2230, 2937]	4614	[7375, 2089]	7652	[10319, 4220]	10690	[8463, 7062]
1577	[2938, 2851]	4615	[7376, 7377]	7653	[9919, 10320]	10691	[6866, 2986]
1578	[2181, 2124]	4616	[6489, 7074]	7654	[10321, 10322]	10692	[11859, 3347]
1579	[2137, 2939]	4617	[822, 3348]	7655	[10323, 4031]	10693	[7301, 41]
1580	[2940, 887]	4618	[3004, 7378]	7656	[10324, 3659]	10694	[6398, 168]
1581	[2941, 2942]	4619	[7379, 7380]	7657	[10325, 4979]	10695	[6356, 11483]
1582	[2943, 2944]	4620	[7381, 7382]	7658	[4965, 5055]	10696	[11736, 6997]
1583	[2945, 2946]	4621	[7383, 6360]	7659	[3479, 68]	10697	[11722, 11840]
1584	[2216, 2947]	4622	[7384, 7385]	7660	[10326, 10327]	10698	[11823, 2435]
1585	[2948, 2949]	4623	[7386, 2853]	7661	[1523, 1467]	10699	[11845, 7211]
1586	[2950, 2951]	4624	[7387, 7388]	7662	[8521, 10328]	10700	[6600, 8134]
1587	[2952, 2953]	4625	[6414, 2596]	7663	[10329, 3494]	10701	[6918, 7506]
1588	[2954, 2955]	4626	[7368, 5890]	7664	[8801, 4297]	10702	[11836, 10810]
1589	[2956, 2957]	4627	[5841, 7389]	7665	[10330, 10331]	10703	[7245, 11284]
1590	[2958, 2959]	4628	[7390, 7391]	7666	[1690, 4124]	10704	[6568, 11860]
1591	[2960, 2961]	4629	[7392, 7393]	7667	[10332, 1751]	10705	[8457, 11006]
1592	[2962, 2963]	4630	[7394, 7395]	7668	[10333, 10334]	10706	[8492, 11721]
1593	[2964, 2965]	4631	[2468, 7288]	7669	[9130, 4685]	10707	[7225, 2237]
1594	[2966, 2967]	4632	[7170, 7396]	7670	[9621, 4267]	10708	[7402, 11735]
1595	[2968, 2969]	4633	[7397, 776]	7671	[3929, 10335]	10709	[3067, 2481]
1596	[817, 2970]	4634	[6532, 6539]	7672	[10336, 10180]	10710	[693, 6716]
1597	[521, 2796]	4635	[2303, 7398]	7673	[9318, 10337]	10711	[11848, 7016]
1598	[2971, 2972]	4636	[7399, 6910]	7674	[4946, 5241]	10712	[7506, 7795]
1599	[2973, 2974]	4637	[7400, 7401]	7675	[10338, 10339]	10713	[5792, 11182]

1600	[2975, 2976]	4638	[7402, 7403]	7676	[9119, 10340]	10714	[2137, 2664]
1601	[2977, 2978]	4639	[7404, 7280]	7677	[5634, 10258]	10715	[45, 11715]
1602	[2979, 2980]	4640	[7405, 2229]	7678	[8601, 10341]	10716	[5816, 6467]
1603	[537, 2981]	4641	[3378, 500]	7679	[3646, 10342]	10717	[11528, 2468]
1604	[2982, 2983]	4642	[6945, 7406]	7680	[3553, 10158]	10718	[7044, 8348]
1605	[2984, 2985]	4643	[7407, 7408]	7681	[10343, 5032]	10719	[193, 11861]
1606	[732, 2986]	4644	[12, 7409]	7682	[4922, 5663]	10720	[6502, 6648]
1607	[2987, 2988]	4645	[14, 6604]	7683	[10344, 1515]	10721	[2638, 2302]
1608	[2989, 2990]	4646	[2701, 7013]	7684	[1467, 4894]	10722	[2466, 11039]
1609	[2991, 1995]	4647	[7410, 7411]	7685	[4212, 5194]	10723	[5817, 6468]
1610	[2992, 2993]	4648	[7412, 7413]	7686	[5578, 3559]	10724	[11846, 10985]
1611	[2994, 2995]	4649	[5898, 6582]	7687	[10345, 10346]	10725	[6607, 2630]
1612	[2996, 2997]	4650	[7414, 2399]	7688	[10347, 4046]	10726	[11832, 7078]
1613	[2998, 2999]	4651	[7415, 6265]	7689	[1800, 8975]	10727	[3329, 8279]
1614	[3000, 3001]	4652	[2800, 7416]	7690	[5629, 5579]	10728	[8391, 2126]
1615	[3002, 3003]	4653	[7417, 7418]	7691	[4386, 1082]	10729	[11761, 6395]
1616	[3004, 3005]	4654	[842, 7419]	7692	[3431, 9418]	10730	[11786, 11472]
1617	[3006, 3007]	4655	[6811, 2047]	7693	[4309, 9623]	10731	[11259, 3097]
1618	[3008, 3009]	4656	[7420, 7421]	7694	[398, 10348]	10732	[11755, 11378]
1619	[3010, 3011]	4657	[1971, 7422]	7695	[10349, 5675]	10733	[562, 11862]
1620	[3012, 3013]	4658	[7423, 5950]	7696	[4239, 4167]	10734	[11567, 6976]
1621	[3014, 3015]	4659	[7424, 7425]	7697	[9912, 10350]	10735	[11863, 8314]
1622	[2721, 2874]	4660	[7426, 7427]	7698	[4531, 5210]	10736	[11553, 11456]
1623	[3016, 884]	4661	[7428, 7429]	7699	[9402, 4057]	10737	[11859, 10865]
1624	[3017, 3018]	4662	[7430, 7431]	7700	[10351, 426]	10738	[899, 11257]
1625	[3019, 3020]	4663	[7432, 2651]	7701	[9652, 10167]	10739	[6789, 8130]
1626	[3021, 3022]	4664	[892, 6777]	7702	[8684, 8833]	10740	[760, 11691]
1627	[3023, 3024]	4665	[7433, 7434]	7703	[1183, 4202]	10741	[11864, 740]
1628	[1977, 2756]	4666	[7435, 7436]	7704	[86, 4687]	10742	[3060, 6055]
1629	[3025, 3026]	4667	[7437, 6011]	7705	[1224, 10352]	10743	[11865, 1598]
1630	[3027, 701]	4668	[7438, 7439]	7706	[4430, 10337]	10744	[10410, 1033]
1631	[3028, 3029]	4669	[7440, 7441]	7707	[3682, 4346]	10745	[4907, 3495]
1632	[3030, 3031]	4670	[5966, 7442]	7708	[4859, 4784]	10746	[10192, 11866]
1633	[3032, 3033]	4671	[7443, 7444]	7709	[3483, 1560]	10747	[11867, 11868]
1634	[3034, 3035]	4672	[2567, 6767]	7710	[9511, 9061]	10748	[10127, 10084]
1635	[2803, 3036]	4673	[5832, 7445]	7711	[10353, 10354]	10749	[9078, 3917]
1636	[3037, 3038]	4674	[7446, 7447]	7712	[1572, 1510]	10750	[10080, 10128]
1637	[3039, 3040]	4675	[7448, 7449]	7713	[1405, 5405]	10751	[11869, 11870]
1638	[3041, 3042]	4676	[7450, 7451]	7714	[10043, 1253]	10752	[11871, 11872]
1639	[2088, 3043]	4677	[7452, 7453]	7715	[9771, 1133]	10753	[10312, 8923]
1640	[230, 3044]	4678	[6492, 7454]	7716	[9003, 10355]	10754	[4406, 9246]
1641	[3045, 3046]	4679	[7455, 5920]	7717	[3834, 9115]	10755	[10085, 10640]
1642	[3047, 3048]	4680	[7456, 7457]	7718	[3537, 5708]	10756	[11873, 11874]
1643	[3049, 3050]	4681	[7458, 7459]	7719	[10356, 3444]	10757	[11875, 1612]

1644	[3051, 3052]	4682	[2678, 2163]	7720	[10357, 1227]	10758	[11876, 11877]
1645	[3053, 3054]	4683	[2295, 5779]	7721	[10101, 5250]	10759	[9633, 11878]
1646	[3055, 2331]	4684	[7460, 5781]	7722	[10358, 10359]	10760	[9897, 9694]
1647	[3056, 3057]	4685	[7461, 13]	7723	[10156, 4974]	10761	[5594, 8627]
1648	[3058, 3059]	4686	[7462, 7463]	7724	[8724, 9540]	10762	[9532, 4011]
1649	[3060, 3061]	4687	[7464, 6478]	7725	[9904, 10360]	10763	[5667, 10252]
1650	[3062, 2184]	4688	[503, 7465]	7726	[4004, 5607]	10764	[3531, 11879]
1651	[3063, 3064]	4689	[7466, 7411]	7727	[10361, 10362]	10765	[1834, 8861]
1652	[3065, 3066]	4690	[7467, 7468]	7728	[9447, 9982]	10766	[9901, 3883]
1653	[3067, 3068]	4691	[759, 6912]	7729	[4251, 1029]	10767	[9515, 11880]
1654	[3069, 3070]	4692	[3355, 6483]	7730	[3768, 9352]	10768	[9913, 9599]
1655	[133, 3071]	4693	[7469, 7470]	7731	[10363, 5269]	10769	[9896, 9045]
1656	[3072, 3073]	4694	[562, 7471]	7732	[10364, 8607]	10770	[10654, 11881]
1657	[3054, 3074]	4695	[6195, 7472]	7733	[8752, 10365]	10771	[8915, 8726]
1658	[3075, 3076]	4696	[7473, 7474]	7734	[9376, 3424]	10772	[5259, 9408]
1659	[3077, 2463]	4697	[7475, 7476]	7735	[5011, 10366]	10773	[9989, 1142]
1660	[3078, 2696]	4698	[6209, 7477]	7736	[10367, 10368]	10774	[11882, 9610]
1661	[3079, 2904]	4699	[7478, 7479]	7737	[4424, 9692]	10775	[5372, 9839]
1662	[3080, 3081]	4700	[2000, 3275]	7738	[5523, 1773]	10776	[9817, 8519]
1663	[3082, 2065]	4701	[6639, 7480]	7739	[10369, 473]	10777	[11883, 8847]
1664	[3083, 3084]	4702	[2273, 7481]	7740	[10370, 9241]	10778	[9206, 8535]
1665	[3085, 3086]	4703	[7482, 2977]	7741	[9419, 4087]	10779	[92, 11884]
1666	[3087, 3088]	4704	[7483, 207]	7742	[1253, 10371]	10780	[10495, 10006]
1667	[3089, 3090]	4705	[2119, 6738]	7743	[5737, 10207]	10781	[10212, 9362]
1668	[528, 3091]	4706	[7484, 7485]	7744	[5393, 10372]	10782	[1361, 4671]
1669	[3092, 3093]	4707	[7486, 7487]	7745	[1425, 10373]	10783	[11885, 9014]
1670	[3094, 2325]	4708	[7488, 7489]	7746	[5159, 8685]	10784	[9491, 3783]
1671	[3095, 3096]	4709	[7490, 5804]	7747	[1722, 10297]	10785	[11886, 11887]
1672	[3097, 3098]	4710	[7491, 7492]	7748	[4928, 4011]	10786	[1811, 11888]
1673	[3099, 3100]	4711	[7493, 545]	7749	[10364, 10374]	10787	[4587, 4395]
1674	[3101, 3102]	4712	[7494, 3217]	7750	[4977, 9285]	10788	[4847, 9372]
1675	[3103, 3104]	4713	[7495, 7496]	7751	[10375, 10366]	10789	[4328, 11889]
1676	[2568, 3105]	4714	[5845, 7497]	7752	[10376, 1247]	10790	[10179, 10573]
1677	[3106, 3107]	4715	[6262, 7498]	7753	[263, 8712]	10791	[8860, 9053]
1678	[597, 3108]	4716	[2028, 762]	7754	[3396, 1214]	10792	[9372, 1633]
1679	[3109, 2132]	4717	[6925, 3207]	7755	[5166, 4371]	10793	[9746, 11890]
1680	[3110, 3111]	4718	[5874, 7492]	7756	[10377, 10378]	10794	[1361, 3481]
1681	[3112, 3113]	4719	[7499, 3391]	7757	[9145, 10379]	10795	[4533, 9831]
1682	[3114, 3115]	4720	[7500, 7381]	7758	[1250, 3765]	10796	[5422, 10223]
1683	[3116, 3117]	4721	[6501, 7446]	7759	[5324, 9804]	10797	[10435, 334]
1684	[3118, 937]	4722	[7501, 7502]	7760	[4414, 5216]	10798	[5533, 10376]
1685	[3119, 3120]	4723	[2089, 7503]	7761	[1401, 5259]	10799	[4754, 8886]
1686	[759, 3121]	4724	[7504, 2338]	7762	[9549, 4698]	10800	[5083, 8570]
1687	[3122, 3123]	4725	[7505, 7012]	7763	[8850, 10380]	10801	[10642, 5539]

1688	[3124, 3125]	4726	[7506, 6226]	7764	[10381, 10335]	10802	[11891, 5063]
1689	[3126, 3127]	4727	[6115, 3103]	7765	[10382, 10383]	10803	[8524, 8859]
1690	[3128, 3129]	4728	[772, 6587]	7766	[1543, 1138]	10804	[11892, 10503]
1691	[3130, 3131]	4729	[7507, 2096]	7767	[4326, 4751]	10805	[11893, 1694]
1692	[3132, 3133]	4730	[2370, 7508]	7768	[10384, 3996]	10806	[8989, 3679]
1693	[3134, 3135]	4731	[7127, 7509]	7769	[1606, 9750]	10807	[11894, 9596]
1694	[3136, 3137]	4732	[7510, 7511]	7770	[8807, 5239]	10808	[1211, 4305]
1695	[3138, 3139]	4733	[7512, 5771]	7771	[10385, 10386]	10809	[5701, 11895]
1696	[3140, 3141]	4734	[2878, 7513]	7772	[265, 1091]	10810	[384, 9731]
1697	[3142, 3143]	4735	[7514, 7515]	7773	[275, 1411]	10811	[11896, 10071]
1698	[3144, 3145]	4736	[7516, 7517]	7774	[9838, 9412]	10812	[5493, 10690]
1699	[3146, 2971]	4737	[7518, 7519]	7775	[9981, 9448]	10813	[11897, 459]
1700	[3147, 3007]	4738	[7520, 6502]	7776	[5725, 4719]	10814	[11898, 3664]
1701	[3148, 3149]	4739	[7521, 2956]	7777	[10387, 10388]	10815	[4617, 10525]
1702	[2864, 3150]	4740	[2330, 3370]	7778	[3866, 10223]	10816	[4827, 11899]
1703	[3151, 3152]	4741	[6926, 7522]	7779	[10109, 9338]	10817	[10694, 83]
1704	[3153, 3154]	4742	[7523, 7524]	7780	[10389, 4930]	10818	[5469, 11900]
1705	[2872, 3155]	4743	[7525, 7526]	7781	[10390, 10391]	10819	[3814, 11901]
1706	[3156, 3157]	4744	[2358, 7527]	7782	[4787, 8825]	10820	[11902, 1046]
1707	[656, 3158]	4745	[6118, 6283]	7783	[10392, 10393]	10821	[11903, 8982]
1708	[3159, 3160]	4746	[7528, 7529]	7784	[5339, 10245]	10822	[10532, 9122]
1709	[3161, 3162]	4747	[6797, 7530]	7785	[4071, 8794]	10823	[9533, 10665]
1710	[3163, 804]	4748	[2533, 7503]	7786	[5032, 10394]	10824	[9406, 9757]
1711	[3164, 3165]	4749	[7531, 7532]	7787	[3631, 10083]	10825	[11904, 9927]
1712	[8, 3166]	4750	[2274, 7533]	7788	[10395, 10396]	10826	[11905, 10717]
1713	[3167, 3168]	4751	[7534, 7535]	7789	[9154, 10397]	10827	[994, 9965]
1714	[3169, 2573]	4752	[7536, 2656]	7790	[10398, 3878]	10828	[4515, 10272]
1715	[3170, 3171]	4753	[7537, 7538]	7791	[10399, 10400]	10829	[11906, 9884]
1716	[3172, 3173]	4754	[7539, 7540]	7792	[10401, 4177]	10830	[11906, 5289]
1717	[3174, 3175]	4755	[7101, 930]	7793	[1404, 1389]	10831	[8824, 4058]
1718	[3176, 2801]	4756	[7541, 7542]	7794	[10402, 1812]	10832	[9443, 10520]
1719	[3177, 3178]	4757	[2104, 7543]	7795	[4813, 4977]	10833	[4954, 3516]
1720	[2622, 3179]	4758	[7544, 7545]	7796	[8980, 4767]	10834	[10297, 10073]
1721	[2964, 41]	4759	[7546, 7547]	7797	[10403, 10404]	10835	[10232, 3408]
1722	[3180, 3181]	4760	[2173, 809]	7798	[10405, 10406]	10836	[9353, 4677]
1723	[3182, 3183]	4761	[6264, 7548]	7799	[5424, 9322]	10837	[8736, 11907]
1724	[3184, 3185]	4762	[7549, 7550]	7800	[4605, 5]	10838	[4008, 5147]
1725	[3186, 2737]	4763	[2106, 3163]	7801	[1478, 10407]	10839	[11908, 316]
1726	[3187, 3188]	4764	[7005, 7551]	7802	[3719, 401]	10840	[10076, 3595]
1727	[3189, 3190]	4765	[6854, 1937]	7803	[4172, 8913]	10841	[10102, 5688]
1728	[734, 2341]	4766	[7552, 7553]	7804	[10408, 10409]	10842	[8610, 10570]
1729	[3191, 3192]	4767	[7554, 7555]	7805	[9673, 4805]	10843	[1269, 9756]
1730	[2107, 804]	4768	[7556, 7557]	7806	[3813, 10320]	10844	[10605, 5629]
1731	[3193, 3194]	4769	[7558, 7475]	7807	[10410, 5443]	10845	[4031, 5270]

1732	[2958, 3195]	4770	[2772, 7559]	7808	[10411, 10412]	10846	[3503, 11909]
1733	[3196, 3197]	4771	[7560, 2304]	7809	[3408, 10413]	10847	[4378, 10672]
1734	[2898, 3198]	4772	[7561, 923]	7810	[4725, 9166]	10848	[4810, 11910]
1735	[3199, 3200]	4773	[7562, 7563]	7811	[4058, 9698]	10849	[11911, 10199]
1736	[2890, 3201]	4774	[7564, 7565]	7812	[9660, 9148]	10850	[11896, 5108]
1737	[3202, 3203]	4775	[2727, 7566]	7813	[1744, 466]	10851	[1553, 5559]
1738	[960, 2786]	4776	[7567, 3083]	7814	[10232, 10259]	10852	[4445, 9570]
1739	[3204, 3205]	4777	[7023, 52]	7815	[5212, 10414]	10853	[8829, 11912]
1740	[2820, 3206]	4778	[7568, 7569]	7816	[4147, 5058]	10854	[11913, 11914]
1741	[3207, 3208]	4779	[7570, 7006]	7817	[3769, 10415]	10855	[11915, 9834]
1742	[3209, 3210]	4780	[7571, 848]	7818	[4206, 10275]	10856	[11908, 5242]
1743	[2347, 913]	4781	[7572, 6857]	7819	[10416, 5664]	10857	[4811, 5089]
1744	[3211, 915]	4782	[3262, 7573]	7820	[974, 10021]	10858	[10129, 10593]
1745	[3212, 2424]	4783	[7574, 7575]	7821	[10417, 8888]	10859	[8609, 11916]
1746	[549, 565]	4784	[7131, 7576]	7822	[6, 10418]	10860	[1818, 469]
1747	[3213, 3214]	4785	[747, 7577]	7823	[3918, 4598]	10861	[11917, 11918]
1748	[3215, 3216]	4786	[676, 3368]	7824	[5256, 10419]	10862	[11919, 1412]
1749	[2624, 685]	4787	[7578, 7579]	7825	[5008, 10002]	10863	[1367, 1285]
1750	[3217, 3218]	4788	[2798, 7580]	7826	[10420, 4337]	10864	[9387, 379]
1751	[3219, 3220]	4789	[7581, 7582]	7827	[10421, 5724]	10865	[3511, 11920]
1752	[3221, 3222]	4790	[7583, 7584]	7828	[1200, 3893]	10866	[3824, 11921]
1753	[3223, 3224]	4791	[7585, 3276]	7829	[9562, 1497]	10867	[1087, 10473]
1754	[3225, 3226]	4792	[2395, 7005]	7830	[10422, 5665]	10868	[10473, 11922]
1755	[3227, 908]	4793	[6123, 6598]	7831	[4578, 10346]	10869	[9930, 4770]
1756	[3228, 3229]	4794	[7586, 533]	7832	[5266, 10423]	10870	[8982, 5480]
1757	[3230, 3231]	4795	[7587, 2632]	7833	[10424, 10425]	10871	[9922, 11923]
1758	[1967, 3232]	4796	[7441, 7588]	7834	[4864, 3647]	10872	[11924, 9968]
1759	[3233, 3234]	4797	[6270, 7589]	7835	[10426, 9175]	10873	[9727, 8634]
1760	[3235, 3236]	4798	[2624, 7590]	7836	[4148, 9290]	10874	[11925, 10545]
1761	[3237, 538]	4799	[7591, 7592]	7837	[1019, 9492]	10875	[11926, 8579]
1762	[3238, 3235]	4800	[7244, 6190]	7838	[4922, 10427]	10876	[1175, 9966]
1763	[3239, 3240]	4801	[3176, 579]	7839	[9389, 10428]	10877	[11927, 9631]
1764	[3241, 3242]	4802	[7593, 7594]	7840	[9409, 10429]	10878	[11928, 324]
1765	[3243, 3244]	4803	[6595, 7595]	7841	[5297, 298]	10879	[9021, 3818]
1766	[3245, 3017]	4804	[2190, 7425]	7842	[4201, 326]	10880	[10257, 3630]
1767	[3246, 3247]	4805	[5847, 7596]	7843	[9921, 10430]	10881	[8888, 11929]
1768	[3248, 3249]	4806	[753, 6010]	7844	[10171, 3853]	10882	[11930, 11931]
1769	[3250, 2702]	4807	[7597, 7598]	7845	[1533, 9920]	10883	[425, 4246]
1770	[3251, 3252]	4808	[7599, 2616]	7846	[3614, 3595]	10884	[9309, 11932]
1771	[693, 1929]	4809	[237, 7600]	7847	[10431, 5684]	10885	[9784, 4895]
1772	[3253, 3254]	4810	[7427, 7601]	7848	[5289, 10219]	10886	[9520, 8870]
1773	[2906, 3255]	4811	[7602, 2390]	7849	[10432, 5677]	10887	[8823, 4057]
1774	[741, 2791]	4812	[7603, 2392]	7850	[3904, 9772]	10888	[9524, 5098]
1775	[3011, 3256]	4813	[7604, 7605]	7851	[9195, 1416]	10889	[9926, 11933]

1776	[3257, 3258]	4814	[7606, 7607]	7852	[10433, 1456]	10890	[5556, 9938]
1777	[3259, 3062]	4815	[7608, 7609]	7853	[10434, 1010]	10891	[11934, 1369]
1778	[3260, 3169]	4816	[6411, 7610]	7854	[4287, 4052]	10892	[11935, 4885]
1779	[2603, 3261]	4817	[951, 7611]	7855	[10435, 8793]	10893	[10024, 4444]
1780	[3262, 2776]	4818	[667, 7612]	7856	[9988, 10436]	10894	[9253, 9471]
1781	[3263, 2540]	4819	[6429, 7613]	7857	[5273, 3588]	10895	[10719, 325]
1782	[3264, 3265]	4820	[7614, 7615]	7858	[9349, 9543]	10896	[5415, 4686]
1783	[3266, 3267]	4821	[6567, 7616]	7859	[1353, 4671]	10897	[11936, 11937]
1784	[3268, 3269]	4822	[7617, 6173]	7860	[10437, 1348]	10898	[3748, 11938]
1785	[3270, 3271]	4823	[7618, 7619]	7861	[10214, 9872]	10899	[11939, 1199]
1786	[3272, 3273]	4824	[3094, 6581]	7862	[10223, 4244]	10900	[1417, 4199]
1787	[3274, 3275]	4825	[7620, 7621]	7863	[10438, 1026]	10901	[11940, 3536]
1788	[3276, 3277]	4826	[7622, 1896]	7864	[10439, 8737]	10902	[5520, 9994]
1789	[3278, 3279]	4827	[7623, 7624]	7865	[1509, 5294]	10903	[1169, 1227]
1790	[2232, 3280]	4828	[7625, 2422]	7866	[10259, 10095]	10904	[5078, 4497]
1791	[3281, 3282]	4829	[7626, 7627]	7867	[9710, 4140]	10905	[4238, 5650]
1792	[3283, 3284]	4830	[583, 7628]	7868	[10440, 19]	10906	[3864, 9574]
1793	[3285, 3286]	4831	[6870, 7629]	7869	[9884, 10392]	10907	[10285, 1403]
1794	[3287, 3288]	4832	[7630, 7631]	7870	[4179, 4774]	10908	[978, 11941]
1795	[3289, 3290]	4833	[7632, 7633]	7871	[10441, 10442]	10909	[3749, 3579]
1796	[2909, 760]	4834	[7634, 7635]	7872	[10443, 5412]	10910	[10478, 11942]
1797	[3291, 3292]	4835	[7636, 2031]	7873	[10444, 3493]	10911	[8899, 4573]
1798	[3293, 3294]	4836	[7637, 7638]	7874	[3776, 5322]	10912	[11943, 10523]
1799	[3295, 3296]	4837	[7605, 7639]	7875	[3791, 10445]	10913	[3942, 11944]
1800	[3297, 3298]	4838	[2859, 7640]	7876	[9043, 4143]	10914	[4899, 9836]
1801	[3299, 3300]	4839	[7641, 7642]	7877	[10446, 4169]	10915	[11945, 4588]
1802	[3301, 3302]	4840	[7643, 7644]	7878	[9780, 10156]	10916	[11946, 3641]
1803	[3303, 3135]	4841	[6698, 7645]	7879	[3545, 4099]	10917	[5062, 5365]
1804	[3304, 3305]	4842	[6700, 7646]	7880	[4474, 10447]	10918	[3808, 10188]
1805	[3306, 3307]	4843	[180, 6872]	7881	[1145, 3497]	10919	[11947, 1657]
1806	[3308, 3309]	4844	[7647, 6657]	7882	[10448, 9459]	10920	[3620, 4968]
1807	[3310, 3311]	4845	[7648, 7649]	7883	[5659, 10449]	10921	[1675, 9299]
1808	[1903, 3312]	4846	[7650, 7651]	7884	[4848, 10310]	10922	[8920, 1752]
1809	[2094, 3313]	4847	[6438, 7652]	7885	[4098, 3546]	10923	[4677, 10301]
1810	[3314, 669]	4848	[6890, 2281]	7886	[4141, 4153]	10924	[11948, 9567]
1811	[3315, 3316]	4849	[7653, 7654]	7887	[9291, 5715]	10925	[4227, 9561]
1812	[3317, 3318]	4850	[7655, 868]	7888	[4759, 4222]	10926	[9688, 5043]
1813	[3319, 3320]	4851	[7656, 7657]	7889	[4424, 1839]	10927	[11949, 11950]
1814	[3321, 3322]	4852	[7658, 7659]	7890	[10406, 10450]	10928	[4834, 10691]
1815	[3323, 3324]	4853	[677, 3306]	7891	[10451, 9651]	10929	[4955, 4417]
1816	[3105, 3325]	4854	[7660, 738]	7892	[10452, 91]	10930	[9504, 10048]
1817	[3326, 2917]	4855	[787, 7661]	7893	[5393, 10453]	10931	[8884, 10680]
1818	[2788, 920]	4856	[7662, 7663]	7894	[20, 4984]	10932	[4163, 4080]
1819	[3327, 2566]	4857	[6717, 7234]	7895	[1089, 454]	10933	[1261, 11909]

1820	[3328, 3329]	4858	[5972, 7664]	7896	[10105, 9085]	10934	[10256, 10319]
1821	[3330, 3331]	4859	[229, 7665]	7897	[9681, 5674]	10935	[1101, 4250]
1822	[3332, 2204]	4860	[1869, 898]	7898	[9264, 10454]	10936	[92, 5624]
1823	[3108, 3333]	4861	[6975, 7666]	7899	[3718, 10455]	10937	[1433, 4590]
1824	[3334, 3335]	4862	[6626, 1878]	7900	[5492, 10456]	10938	[10111, 3562]
1825	[3336, 3337]	4863	[7667, 7668]	7901	[5382, 3803]	10939	[3625, 9687]
1826	[3338, 3339]	4864	[7669, 6602]	7902	[1808, 260]	10940	[11951, 3715]
1827	[3340, 3341]	4865	[7253, 7670]	7903	[8803, 10457]	10941	[9817, 5703]
1828	[3342, 867]	4866	[7671, 7672]	7904	[10458, 10459]	10942	[1389, 9057]
1829	[3343, 3344]	4867	[554, 2418]	7905	[10460, 10461]	10943	[3737, 4111]
1830	[2612, 3345]	4868	[7673, 7674]	7906	[317, 1355]	10944	[11952, 11953]
1831	[3346, 3347]	4869	[7675, 7676]	7907	[9044, 10462]	10945	[11954, 11878]
1832	[3348, 3349]	4870	[7677, 7025]	7908	[1691, 3907]	10946	[9029, 11955]
1833	[3227, 3350]	4871	[7331, 827]	7909	[78, 1193]	10947	[11956, 4721]
1834	[3351, 3352]	4872	[7678, 7679]	7910	[8608, 10463]	10948	[4198, 1418]
1835	[2086, 3353]	4873	[7680, 7681]	7911	[4869, 10464]	10949	[1639, 10026]
1836	[3354, 3355]	4874	[7682, 7683]	7912	[5080, 4225]	10950	[9096, 389]
1837	[3356, 3357]	4875	[7684, 6140]	7913	[10465, 10466]	10951	[3626, 11923]
1838	[3358, 3359]	4876	[7685, 7686]	7914	[10067, 10303]	10952	[3659, 1027]
1839	[3360, 2378]	4877	[7552, 7687]	7915	[10467, 9705]	10953	[5615, 11957]
1840	[3361, 3362]	4878	[7439, 537]	7916	[10468, 10457]	10954	[1549, 4542]
1841	[2655, 3363]	4879	[7688, 7689]	7917	[9669, 4152]	10955	[11928, 10719]
1842	[3364, 3365]	4880	[7690, 7691]	7918	[10469, 10470]	10956	[11958, 11959]
1843	[3366, 3367]	4881	[2196, 5783]	7919	[8629, 9821]	10957	[10087, 388]
1844	[3368, 3369]	4882	[1885, 7692]	7920	[10471, 9196]	10958	[9016, 4603]
1845	[3370, 3371]	4883	[2062, 6062]	7921	[426, 10436]	10959	[10075, 11960]
1846	[3372, 3373]	4884	[7693, 7694]	7922	[1258, 4826]	10960	[9308, 11955]
1847	[964, 3374]	4885	[7695, 7696]	7923	[1247, 9764]	10961	[11954, 9634]
1848	[3375, 3376]	4886	[7697, 2560]	7924	[8995, 10472]	10962	[5112, 10671]
1849	[3377, 3378]	4887	[7698, 5985]	7925	[10473, 4962]	10963	[9436, 9449]
1850	[3379, 3380]	4888	[3157, 7699]	7926	[4787, 9910]	10964	[10505, 3773]
1851	[2658, 3381]	4889	[7700, 214]	7927	[8893, 8611]	10965	[11899, 5229]
1852	[3382, 2905]	4890	[7701, 7702]	7928	[10381, 3930]	10966	[10259, 10413]
1853	[3383, 3384]	4891	[7703, 7704]	7929	[1376, 4322]	10967	[11961, 5313]
1854	[3385, 3386]	4892	[7705, 7706]	7930	[10474, 10334]	10968	[4704, 8639]
1855	[3387, 3388]	4893	[7586, 2287]	7931	[10475, 10476]	10969	[4608, 4183]
1856	[3389, 3390]	4894	[7707, 7708]	7932	[1261, 4792]	10970	[4998, 10072]
1857	[3391, 3392]	4895	[5996, 7709]	7933	[9268, 9936]	10971	[491, 11962]
1858	[3393, 3394]	4896	[6632, 7710]	7934	[4169, 3828]	10972	[11963, 11964]
1859	[3395, 3396]	4897	[7345, 6459]	7935	[5096, 125]	10973	[5442, 4163]
1860	[3397, 3398]	4898	[7493, 2543]	7936	[8897, 10477]	10974	[5562, 3538]
1861	[3399, 3400]	4899	[7711, 1869]	7937	[4624, 9271]	10975	[9347, 9378]
1862	[3401, 3402]	4900	[6880, 7712]	7938	[10478, 10479]	10976	[5517, 4743]
1863	[3403, 3404]	4901	[7713, 2770]	7939	[9885, 4506]	10977	[10503, 11965]

1864	[3405, 3406]	4902	[7714, 7715]	7940	[391, 4727]	10978	[9782, 10699]
1865	[3407, 3408]	4903	[7716, 7717]	7941	[10480, 10481]	10979	[9466, 8958]
1866	[3409, 3410]	4904	[7718, 3368]	7942	[4652, 3756]	10980	[9489, 8558]
1867	[3411, 3412]	4905	[2969, 7719]	7943	[9015, 10482]	10981	[11966, 10060]
1868	[3413, 3414]	4906	[7720, 7721]	7944	[10184, 1071]	10982	[11937, 11967]
1869	[3415, 3416]	4907	[2262, 6288]	7945	[4647, 3525]	10983	[8981, 11968]
1870	[3417, 3418]	4908	[7722, 7723]	7946	[10483, 8547]	10984	[11969, 5262]
1871	[1056, 3419]	4909	[3000, 7724]	7947	[10146, 4534]	10985	[10111, 10506]
1872	[3420, 3421]	4910	[7725, 7204]	7948	[9756, 10217]	10986	[10047, 1800]
1873	[1232, 3422]	4911	[6599, 6472]	7949	[10484, 10485]	10987	[11970, 11971]
1874	[3423, 3424]	4912	[7726, 2173]	7950	[10486, 10487]	10988	[1145, 3639]
1875	[3425, 3426]	4913	[7727, 2792]	7951	[10488, 8776]	10989	[5437, 11972]
1876	[3427, 1503]	4914	[7397, 5844]	7952	[8764, 9506]	10990	[1457, 11973]
1877	[3428, 3429]	4915	[6053, 7728]	7953	[10279, 5591]	10991	[329, 9869]
1878	[3430, 3431]	4916	[7729, 7730]	7954	[3815, 365]	10992	[4506, 9343]
1879	[3432, 3433]	4917	[7731, 7732]	7955	[3667, 3475]	10993	[5561, 3537]
1880	[3434, 1662]	4918	[6607, 7733]	7956	[9571, 4823]	10994	[5515, 4146]
1881	[3435, 3436]	4919	[7734, 3263]	7957	[10418, 10489]	10995	[9848, 10739]
1882	[3437, 3438]	4920	[2927, 690]	7958	[4449, 10064]	10996	[9142, 9945]
1883	[3439, 3440]	4921	[6177, 7735]	7959	[4888, 10490]	10997	[11974, 5647]
1884	[3441, 3442]	4922	[7736, 7737]	7960	[1197, 1245]	10998	[10700, 4714]
1885	[3443, 3444]	4923	[7738, 5908]	7961	[9626, 10491]	10999	[10300, 1250]
1886	[3445, 3446]	4924	[7516, 7739]	7962	[8637, 9145]	11000	[4070, 3652]
1887	[1048, 3447]	4925	[6921, 7043]	7963	[10492, 9476]	11001	[1704, 4233]
1888	[1205, 3448]	4926	[7740, 7741]	7964	[5403, 10482]	11002	[5275, 10315]
1889	[3449, 3450]	4927	[7715, 7742]	7965	[10493, 10212]	11003	[4971, 11975]
1890	[3451, 3452]	4928	[7200, 7660]	7966	[9583, 3801]	11004	[11893, 4770]
1891	[3453, 3454]	4929	[7743, 7744]	7967	[9320, 4019]	11005	[3635, 5541]
1892	[3455, 3456]	4930	[7745, 6130]	7968	[4174, 1063]	11006	[4820, 11976]
1893	[3457, 3458]	4931	[7726, 808]	7969	[116, 9457]	11007	[11977, 1713]
1894	[3459, 3460]	4932	[3142, 2845]	7970	[4711, 1363]	11008	[1203, 5374]
1895	[3461, 3462]	4933	[2967, 7746]	7971	[10494, 10495]	11009	[390, 11978]
1896	[3463, 3464]	4934	[7030, 3021]	7972	[10496, 10497]	11010	[8932, 10055]
1897	[3465, 3466]	4935	[7747, 7265]	7973	[10498, 3407]	11011	[1339, 4532]
1898	[3467, 3468]	4936	[6791, 7748]	7974	[10249, 10470]	11012	[3869, 107]
1899	[3469, 3470]	4937	[7749, 7750]	7975	[10499, 1843]	11013	[11882, 4279]
1900	[3471, 3472]	4938	[6688, 731]	7976	[10053, 10412]	11014	[1094, 11979]
1901	[3473, 3474]	4939	[7099, 7629]	7977	[3887, 4247]	11015	[3970, 8904]
1902	[3475, 3476]	4940	[7751, 7752]	7978	[1271, 4710]	11016	[1784, 1490]
1903	[3477, 3478]	4941	[2343, 6344]	7979	[5731, 10500]	11017	[1478, 5139]
1904	[3479, 3480]	4942	[2075, 7753]	7980	[4114, 1244]	11018	[10317, 4617]
1905	[3481, 3482]	4943	[7754, 865]	7981	[5610, 10501]	11019	[1632, 9373]
1906	[3483, 3484]	4944	[7755, 7756]	7982	[9841, 1620]	11020	[3927, 9785]
1907	[3485, 3486]	4945	[7757, 7758]	7983	[10502, 3875]	11021	[87, 10034]

1908	[3487, 3488]	4946	[2395, 3058]	7984	[9244, 5004]	11022	[9622, 4310]
1909	[3489, 3490]	4947	[7759, 6890]	7985	[10503, 10504]	11023	[9673, 11980]
1910	[3491, 1213]	4948	[7760, 7761]	7986	[5081, 4226]	11024	[11981, 11982]
1911	[3492, 3493]	4949	[607, 7403]	7987	[10297, 4984]	11025	[11983, 11984]
1912	[3494, 3495]	4950	[7762, 7314]	7988	[1073, 3919]	11026	[4152, 10201]
1913	[3496, 3497]	4951	[7763, 694]	7989	[10505, 9829]	11027	[9748, 1281]
1914	[3498, 3499]	4952	[6143, 7764]	7990	[252, 1311]	11028	[11985, 11979]
1915	[1505, 3500]	4953	[6345, 7765]	7991	[3561, 10506]	11029	[10384, 1448]
1916	[3501, 1153]	4954	[5789, 6765]	7992	[9738, 4121]	11030	[1134, 3470]
1917	[3502, 3503]	4955	[7766, 7767]	7993	[8685, 8834]	11031	[1002, 10491]
1918	[3504, 3505]	4956	[7768, 7769]	7994	[10507, 10508]	11032	[5315, 1688]
1919	[3506, 3507]	4957	[7770, 7771]	7995	[9274, 10247]	11033	[3770, 9657]
1920	[363, 3508]	4958	[3071, 7772]	7996	[4616, 1257]	11034	[11986, 10101]
1921	[3509, 3510]	4959	[7773, 7402]	7997	[5605, 10418]	11035	[10079, 8561]
1922	[3511, 3512]	4960	[7774, 7775]	7998	[4725, 9684]	11036	[9021, 11987]
1923	[3513, 3514]	4961	[7776, 7777]	7999	[10509, 5219]	11037	[9393, 9607]
1924	[3515, 3516]	4962	[2130, 7778]	8000	[1727, 10510]	11038	[9582, 4727]
1925	[3517, 3518]	4963	[7779, 6622]	8001	[10511, 9808]	11039	[4412, 10093]
1926	[3519, 3520]	4964	[582, 7780]	8002	[4837, 9286]	11040	[11988, 1492]
1927	[3521, 1251]	4965	[7781, 7782]	8003	[9588, 339]	11041	[1595, 4933]
1928	[3522, 3523]	4966	[7783, 2823]	8004	[4708, 10423]	11042	[1570, 5056]
1929	[3524, 3525]	4967	[7784, 7785]	8005	[23, 4288]	11043	[319, 3804]
1930	[3526, 3527]	4968	[7786, 2303]	8006	[3583, 10190]	11044	[5394, 4658]
1931	[3528, 3529]	4969	[7787, 7788]	8007	[10512, 10513]	11045	[11989, 9644]
1932	[3530, 3531]	4970	[7789, 7790]	8008	[4274, 10514]	11046	[5646, 8819]
1933	[3532, 3533]	4971	[7791, 7792]	8009	[10515, 9278]	11047	[3968, 4777]
1934	[3534, 3501]	4972	[780, 7793]	8010	[5463, 8547]	11048	[10323, 5269]
1935	[3535, 3536]	4973	[7794, 7121]	8011	[10516, 10517]	11049	[121, 9496]
1936	[3537, 3538]	4974	[6225, 7795]	8012	[4317, 9899]	11050	[1434, 1223]
1937	[3539, 3540]	4975	[5791, 6402]	8013	[10518, 10519]	11051	[9314, 11866]
1938	[3541, 3542]	4976	[5836, 7796]	8014	[477, 5654]	11052	[275, 10116]
1939	[3543, 3544]	4977	[7108, 2859]	8015	[9865, 10520]	11053	[10634, 9299]
1940	[3545, 3546]	4978	[6280, 7797]	8016	[4365, 4331]	11054	[11990, 9720]
1941	[1789, 3547]	4979	[7147, 7798]	8017	[1107, 10429]	11055	[1117, 10473]
1942	[3548, 3549]	4980	[7799, 2078]	8018	[10279, 10521]	11056	[10583, 11991]
1943	[3550, 3551]	4981	[7800, 2990]	8019	[9096, 3774]	11057	[9704, 10711]
1944	[1374, 3552]	4982	[7801, 7802]	8020	[4951, 5330]	11058	[4956, 8670]
1945	[3488, 3553]	4983	[7803, 7804]	8021	[4472, 10522]	11059	[10599, 9046]
1946	[3490, 3554]	4984	[7805, 7806]	8022	[1371, 4216]	11060	[9697, 11992]
1947	[3555, 3556]	4985	[6965, 7807]	8023	[9617, 114]	11061	[5375, 3487]
1948	[3557, 3558]	4986	[7808, 7809]	8024	[3945, 3796]	11062	[1855, 10414]
1949	[3559, 3560]	4987	[3382, 602]	8025	[10523, 10524]	11063	[312, 3471]
1950	[3561, 3562]	4988	[7810, 7146]	8026	[3510, 359]	11064	[9686, 1363]
1951	[3563, 3564]	4989	[2243, 7811]	8027	[372, 8544]	11065	[282, 11899]

1952	[3565, 3566]	4990	[7245, 7812]	8028	[10411, 9838]	11066	[8978, 4741]
1953	[3567, 3568]	4991	[7469, 3234]	8029	[4225, 9674]	11067	[11993, 11994]
1954	[3569, 3570]	4992	[7813, 2738]	8030	[9567, 10525]	11068	[9777, 11995]
1955	[1648, 3571]	4993	[6258, 7814]	8031	[322, 5610]	11069	[1075, 4140]
1956	[3572, 3573]	4994	[7815, 5911]	8032	[5342, 1617]	11070	[9449, 8756]
1957	[3574, 3575]	4995	[7816, 951]	8033	[20, 10073]	11071	[10599, 9569]
1958	[3576, 3577]	4996	[7817, 7818]	8034	[9902, 3501]	11072	[10309, 11996]
1959	[3578, 3579]	4997	[1949, 7819]	8035	[9802, 9862]	11073	[9009, 11997]
1960	[3580, 1827]	4998	[2819, 852]	8036	[10526, 10527]	11074	[1527, 10633]
1961	[3581, 3582]	4999	[2482, 7820]	8037	[10293, 8621]	11075	[9688, 4376]
1962	[3583, 3584]	5000	[7821, 7822]	8038	[9364, 1201]	11076	[8847, 10044]
1963	[3585, 3586]	5001	[7823, 7824]	8039	[9395, 5220]	11077	[3899, 9437]
1964	[3587, 3588]	5002	[2864, 7825]	8040	[9223, 463]	11078	[11998, 10646]
1965	[1814, 3589]	5003	[6576, 2549]	8041	[5695, 3643]	11079	[10221, 9122]
1966	[1121, 3590]	5004	[7826, 7827]	8042	[4514, 3432]	11080	[5363, 992]
1967	[3591, 3592]	5005	[7828, 2146]	8043	[10124, 4221]	11081	[4754, 8932]
1968	[3593, 3594]	5006	[7829, 771]	8044	[10494, 9977]	11082	[4288, 10155]
1969	[3595, 3596]	5007	[498, 235]	8045	[10528, 5378]	11083	[5343, 10682]
1970	[3597, 3598]	5008	[3288, 7830]	8046	[8824, 9697]	11084	[11999, 12000]
1971	[3599, 3600]	5009	[7831, 7832]	8047	[8545, 10529]	11085	[4471, 1758]
1972	[429, 3601]	5010	[5782, 7269]	8048	[1345, 3509]	11086	[4639, 9143]
1973	[3602, 3603]	5011	[7833, 1988]	8049	[3686, 9478]	11087	[4394, 12001]
1974	[3604, 3605]	5012	[7791, 3338]	8050	[8874, 4505]	11088	[12002, 12003]
1975	[437, 3606]	5013	[7834, 7835]	8051	[3688, 1286]	11089	[5664, 1362]
1976	[3607, 3608]	5014	[3112, 2739]	8052	[1246, 5671]	11090	[12004, 5127]
1977	[1171, 3609]	5015	[7836, 7568]	8053	[10530, 1505]	11091	[8538, 9133]
1978	[3610, 3611]	5016	[7837, 6758]	8054	[4455, 9317]	11092	[4081, 4445]
1979	[3612, 3613]	5017	[6301, 7838]	8055	[10531, 9599]	11093	[5553, 9715]
1980	[3614, 3615]	5018	[7839, 7840]	8056	[9874, 1801]	11094	[4993, 9900]
1981	[3616, 3617]	5019	[7841, 7842]	8057	[10532, 4828]	11095	[4134, 9681]
1982	[3618, 3619]	5020	[7395, 1944]	8058	[106, 3870]	11096	[10068, 4903]
1983	[3620, 3621]	5021	[7843, 7844]	8059	[3609, 9708]	11097	[8775, 9802]
1984	[3622, 3623]	5022	[6588, 49]	8060	[10533, 1804]	11098	[3557, 4048]
1985	[3624, 3625]	5023	[3096, 7845]	8061	[10534, 9598]	11099	[12005, 12006]
1986	[3626, 3627]	5024	[6616, 7846]	8062	[9282, 4551]	11100	[11924, 5304]
1987	[3628, 3629]	5025	[7847, 7848]	8063	[3695, 9173]	11101	[5317, 5186]
1988	[3630, 3532]	5026	[7849, 7850]	8064	[10535, 10536]	11102	[3430, 10649]
1989	[3631, 3632]	5027	[7851, 7407]	8065	[1354, 4214]	11103	[4273, 11941]
1990	[3633, 3634]	5028	[7852, 750]	8066	[10537, 10394]	11104	[9170, 1084]
1991	[3635, 3636]	5029	[7853, 7854]	8067	[10048, 9305]	11105	[5025, 9556]
1992	[3637, 3638]	5030	[7855, 7856]	8068	[10502, 10538]	11106	[9874, 8975]
1993	[3639, 3640]	5031	[2957, 7037]	8069	[5088, 4812]	11107	[12007, 451]
1994	[1131, 3641]	5032	[7857, 7002]	8070	[8641, 10428]	11108	[1269, 10216]
1995	[3642, 3643]	5033	[6568, 7858]	8071	[5389, 1707]	11109	[12008, 492]

1996	[3644, 3645]	5034	[5935, 7188]	8072	[3957, 10255]	11110	[12009, 11914]
1997	[1651, 3646]	5035	[208, 7859]	8073	[10539, 10540]	11111	[11884, 5713]
1998	[3647, 403]	5036	[2685, 7860]	8074	[1323, 10541]	11112	[8854, 4944]
1999	[3648, 3649]	5037	[7861, 7785]	8075	[10245, 8612]	11113	[8834, 4879]
2000	[1538, 3650]	5038	[7862, 2746]	8076	[10542, 4159]	11114	[9200, 1078]
2001	[3651, 3652]	5039	[3145, 6366]	8077	[10543, 10544]	11115	[8584, 9440]
2002	[3653, 3654]	5040	[7863, 7739]	8078	[8645, 1238]	11116	[1802, 10722]
2003	[3655, 3656]	5041	[7864, 7865]	8079	[5028, 379]	11117	[3621, 4969]
2004	[3657, 3658]	5042	[7557, 7866]	8080	[5379, 8995]	11118	[8912, 12010]
2005	[3659, 3660]	5043	[7867, 2293]	8081	[9159, 8886]	11119	[3642, 12011]
2006	[3661, 3662]	5044	[7868, 7869]	8082	[1214, 1019]	11120	[10528, 3487]
2007	[1619, 3663]	5045	[7870, 2359]	8083	[4560, 10243]	11121	[4630, 10191]
2008	[3664, 3665]	5046	[7871, 2246]	8084	[392, 4728]	11122	[479, 419]
2009	[1011, 3666]	5047	[7458, 7811]	8085	[9299, 1815]	11123	[10518, 8748]
2010	[3667, 1289]	5048	[7872, 1860]	8086	[10545, 4956]	11124	[382, 11965]
2011	[3668, 3669]	5049	[7873, 2314]	8087	[5699, 9405]	11125	[10554, 12012]
2012	[3670, 3671]	5050	[7874, 7875]	8088	[10546, 8882]	11126	[10537, 5033]
2013	[3672, 3673]	5051	[2454, 2893]	8089	[1139, 10410]	11127	[10412, 9412]
2014	[1444, 3674]	5052	[2615, 7876]	8090	[9324, 411]	11128	[5211, 1528]
2015	[1337, 3675]	5053	[2549, 7877]	8091	[1832, 9597]	11129	[9051, 12013]
2016	[3676, 3677]	5054	[7878, 6551]	8092	[10547, 10548]	11130	[4876, 12014]
2017	[3678, 1188]	5055	[857, 2956]	8093	[1149, 9206]	11131	[3657, 12015]
2018	[3679, 3680]	5056	[7879, 7880]	8094	[10549, 10550]	11132	[444, 12016]
2019	[3681, 3682]	5057	[2927, 6235]	8095	[10363, 4031]	11133	[9080, 12017]
2020	[3683, 3684]	5058	[7881, 7882]	8096	[10551, 10552]	11134	[12018, 12019]
2021	[3685, 3686]	5059	[6795, 7883]	8097	[8930, 8852]	11135	[12000, 12020]
2022	[3687, 3688]	5060	[6687, 7884]	8098	[10553, 10554]	11136	[3834, 12021]
2023	[3689, 3690]	5061	[7885, 7886]	8099	[3835, 10449]	11137	[10390, 10726]
2024	[433, 3691]	5062	[5742, 834]	8100	[4156, 5584]	11138	[5136, 5287]
2025	[3692, 3693]	5063	[7887, 7888]	8101	[3634, 8829]	11139	[5730, 4083]
2026	[3558, 3694]	5064	[7889, 7890]	8102	[10217, 10236]	11140	[10078, 4111]
2027	[3695, 3696]	5065	[7891, 7892]	8103	[10190, 356]	11141	[10080, 9643]
2028	[1284, 1368]	5066	[7893, 7894]	8104	[8815, 1186]	11142	[9573, 1306]
2029	[3697, 3698]	5067	[7895, 2945]	8105	[5513, 8706]	11143	[3409, 10350]
2030	[3699, 3700]	5068	[2752, 2333]	8106	[5105, 9656]	11144	[8630, 9822]
2031	[3701, 3702]	5069	[7896, 7897]	8107	[9387, 5029]	11145	[3540, 4335]
2032	[3703, 3704]	5070	[7898, 695]	8108	[10555, 9477]	11146	[6, 4644]
2033	[3705, 3706]	5071	[2757, 2742]	8109	[5175, 5568]	11147	[9621, 11928]
2034	[1706, 3707]	5072	[7899, 7900]	8110	[5314, 9668]	11148	[8791, 3567]
2035	[3708, 1434]	5073	[7901, 7902]	8111	[4588, 1678]	11149	[12022, 9933]
2036	[3709, 3710]	5074	[507, 7170]	8112	[265, 4499]	11150	[12023, 10257]
2037	[3711, 3712]	5075	[3380, 3374]	8113	[465, 9870]	11151	[4373, 90]
2038	[3713, 3714]	5076	[1891, 7903]	8114	[9167, 10556]	11152	[9097, 9737]
2039	[3715, 3716]	5077	[7904, 7905]	8115	[10557, 10558]	11153	[1117, 4961]

2040	[3717, 3718]	5078	[7906, 7907]	8116	[9792, 10408]	11154	[8920, 71]
2041	[3719, 3720]	5079	[7176, 7908]	8117	[4220, 10559]	11155	[3767, 5478]
2042	[3721, 3722]	5080	[7909, 6391]	8118	[987, 4231]	11156	[9875, 9600]
2043	[3723, 3724]	5081	[7910, 2973]	8119	[4793, 9368]	11157	[3913, 8892]
2044	[3725, 1631]	5082	[7911, 3284]	8120	[10560, 5196]	11158	[4790, 4855]
2045	[1828, 3726]	5083	[5967, 7912]	8121	[9986, 10032]	11159	[12024, 8885]
2046	[3727, 1406]	5084	[7913, 7914]	8122	[10450, 3626]	11160	[389, 10269]
2047	[3728, 452]	5085	[7373, 5787]	8123	[10561, 8734]	11161	[8925, 1501]
2048	[3729, 3730]	5086	[6828, 7915]	8124	[4389, 10562]	11162	[4142, 9044]
2049	[3731, 3732]	5087	[7916, 7917]	8125	[4986, 4385]	11163	[10547, 9177]
2050	[3733, 3734]	5088	[690, 7918]	8126	[10563, 9445]	11164	[4801, 12025]
2051	[3735, 3736]	5089	[7547, 7919]	8127	[10417, 4888]	11165	[4337, 8820]
2052	[3737, 3738]	5090	[6997, 7920]	8128	[5677, 1372]	11166	[8944, 9821]
2053	[3739, 3740]	5091	[7921, 7922]	8129	[408, 4762]	11167	[5409, 8989]
2054	[3741, 3742]	5092	[7816, 2896]	8130	[10564, 10565]	11168	[10639, 10086]
2055	[3743, 3744]	5093	[2195, 7923]	8131	[3862, 9847]	11169	[3402, 10507]
2056	[3745, 383]	5094	[6339, 2449]	8132	[4137, 4597]	11170	[9549, 9847]
2057	[3746, 3747]	5095	[6035, 7924]	8133	[10566, 10567]	11171	[5165, 3658]
2058	[1192, 3748]	5096	[2425, 1910]	8134	[10568, 10569]	11172	[5697, 11975]
2059	[3749, 3750]	5097	[7925, 5744]	8135	[10570, 9231]	11173	[5593, 11895]
2060	[3751, 3752]	5098	[7926, 812]	8136	[5040, 4576]	11174	[8943, 9800]
2061	[419, 3753]	5099	[7927, 6312]	8137	[9721, 10571]	11175	[5446, 3897]
2062	[3754, 3755]	5100	[2801, 174]	8138	[1032, 5443]	11176	[9347, 8985]
2063	[3756, 1581]	5101	[826, 6591]	8139	[8993, 9383]	11177	[5048, 4206]
2064	[3757, 3758]	5102	[7928, 6180]	8140	[1179, 10572]	11178	[12026, 4897]
2065	[3759, 3760]	5103	[7929, 7909]	8141	[10336, 10573]	11179	[10597, 12027]
2066	[3761, 3762]	5104	[196, 955]	8142	[10574, 10130]	11180	[5039, 12028]
2067	[1324, 3763]	5105	[7930, 7931]	8143	[10575, 10576]	11181	[3735, 4756]
2068	[1195, 3764]	5106	[2135, 7932]	8144	[10577, 4934]	11182	[12029, 12030]
2069	[3521, 3765]	5107	[5893, 7032]	8145	[10578, 10579]	11183	[3677, 9267]
2070	[3766, 3767]	5108	[2832, 2825]	8146	[9908, 1510]	11184	[12031, 5116]
2071	[3768, 3769]	5109	[2854, 6325]	8147	[10580, 10308]	11185	[1325, 9594]
2072	[3770, 3771]	5110	[7933, 2204]	8148	[5064, 5556]	11186	[12032, 10590]
2073	[3772, 3773]	5111	[6640, 7934]	8149	[10581, 8879]	11187	[4446, 5187]
2074	[3774, 390]	5112	[7935, 7936]	8150	[5111, 10582]	11188	[9769, 4500]
2075	[3775, 420]	5113	[7937, 3289]	8151	[10583, 3603]	11189	[12033, 4390]
2076	[3776, 3777]	5114	[1903, 7938]	8152	[1743, 473]	11190	[9718, 3551]
2077	[3778, 99]	5115	[6034, 901]	8153	[9937, 8787]	11191	[1683, 3697]
2078	[3779, 3780]	5116	[7939, 7532]	8154	[5375, 5378]	11192	[3501, 4724]
2079	[3781, 3782]	5117	[7940, 7941]	8155	[10584, 10585]	11193	[4253, 12028]
2080	[1019, 3783]	5118	[6310, 7942]	8156	[4283, 4689]	11194	[1457, 9344]
2081	[3784, 3785]	5119	[6613, 7943]	8157	[1803, 9018]	11195	[5162, 3882]
2082	[3786, 3787]	5120	[513, 7944]	8158	[5347, 10586]	11196	[11940, 10164]
2083	[3788, 3789]	5121	[7945, 7946]	8159	[5564, 9088]	11197	[5063, 3745]

2084	[3790, 3791]	5122	[7703, 7947]	8160	[8627, 1331]	11198	[299, 8838]
2085	[3792, 3793]	5123	[2978, 895]	8161	[10587, 3678]	11199	[9819, 10400]
2086	[3794, 3795]	5124	[7948, 7692]	8162	[3671, 9362]	11200	[1616, 3521]
2087	[3796, 1035]	5125	[7949, 7950]	8163	[5013, 10588]	11201	[4540, 3433]
2088	[3797, 1762]	5126	[7951, 7952]	8164	[10131, 9575]	11202	[11891, 5365]
2089	[3798, 3799]	5127	[2336, 6271]	8165	[4304, 1212]	11203	[3524, 4648]
2090	[3800, 3801]	5128	[7953, 7181]	8166	[10589, 10590]	11204	[4965, 10373]
2091	[16, 3802]	5129	[7954, 163]	8167	[9639, 10591]	11205	[8520, 9052]
2092	[3803, 3804]	5130	[5920, 7955]	8168	[9772, 10592]	11206	[288, 9932]
2093	[3805, 1736]	5131	[7767, 585]	8169	[4421, 5446]	11207	[5043, 4377]
2094	[3806, 3807]	5132	[7956, 2734]	8170	[10531, 9875]	11208	[3949, 453]
2095	[1805, 3808]	5133	[7957, 628]	8171	[10574, 10593]	11209	[8688, 3706]
2096	[1227, 3809]	5134	[3222, 820]	8172	[5244, 10594]	11210	[5289, 10392]
2097	[3810, 3811]	5135	[2263, 7958]	8173	[3739, 9551]	11211	[9510, 12034]
2098	[3812, 1458]	5136	[2926, 2457]	8174	[1370, 4605]	11212	[9641, 5327]
2099	[3813, 3814]	5137	[2778, 7959]	8175	[10595, 10596]	11213	[4311, 4365]
2100	[3815, 3816]	5138	[6692, 744]	8176	[8544, 10597]	11214	[9283, 10208]
2101	[3817, 3818]	5139	[7960, 6546]	8177	[9582, 392]	11215	[12035, 10604]
2102	[3819, 3820]	5140	[2010, 6180]	8178	[10375, 5012]	11216	[10008, 8653]
2103	[3821, 316]	5141	[2236, 2516]	8179	[1041, 10598]	11217	[9692, 1840]
2104	[1584, 3822]	5142	[7961, 7962]	8180	[5185, 10599]	11218	[10217, 5347]
2105	[1291, 376]	5143	[5889, 7843]	8181	[4622, 9924]	11219	[10050, 410]
2106	[3823, 3824]	5144	[7515, 6123]	8182	[8952, 10600]	11220	[5458, 10227]
2107	[3825, 3826]	5145	[7963, 51]	8183	[10088, 4732]	11221	[5401, 12036]
2108	[3827, 3828]	5146	[7964, 7965]	8184	[10048, 10601]	11222	[9560, 4228]
2109	[3829, 3830]	5147	[7966, 7967]	8185	[5685, 10602]	11223	[1231, 10598]
2110	[3831, 3832]	5148	[2315, 7968]	8186	[10603, 10604]	11224	[1426, 3513]
2111	[1238, 403]	5149	[7969, 7970]	8187	[10605, 5420]	11225	[11990, 4638]
2112	[3833, 3834]	5150	[7971, 7268]	8188	[1578, 9564]	11226	[378, 12037]
2113	[3835, 3836]	5151	[7972, 7973]	8189	[10606, 9589]	11227	[380, 12038]
2114	[3837, 3838]	5152	[7974, 7975]	8190	[10607, 9804]	11228	[12039, 12040]
2115	[3839, 3840]	5153	[6227, 2916]	8191	[10608, 10609]	11229	[9355, 9284]
2116	[3841, 3842]	5154	[2348, 7976]	8192	[8833, 5409]	11230	[5590, 10521]
2117	[3843, 3844]	5155	[7386, 172]	8193	[8825, 9911]	11231	[3772, 9829]
2118	[3845, 438]	5156	[1918, 5823]	8194	[10610, 4401]	11232	[10659, 8602]
2119	[1015, 3846]	5157	[585, 7860]	8195	[9309, 9659]	11233	[5105, 10732]
2120	[3847, 3848]	5158	[603, 3255]	8196	[9181, 5333]	11234	[8559, 4467]
2121	[3849, 3850]	5159	[7977, 7978]	8197	[3833, 9114]	11235	[9528, 9590]
2122	[3851, 3852]	5160	[585, 2686]	8198	[4135, 9682]	11236	[4836, 10741]
2123	[3853, 3854]	5161	[7979, 7980]	8199	[3886, 10611]	11237	[4587, 12001]
2124	[3855, 3856]	5162	[7981, 7982]	8200	[10007, 8570]	11238	[3962, 3845]
2125	[3857, 3858]	5163	[3121, 6913]	8201	[10189, 9504]	11239	[4663, 1669]
2126	[3859, 3860]	5164	[7983, 7984]	8202	[9762, 5646]	11240	[3932, 4394]
2127	[3861, 3862]	5165	[7985, 7986]	8203	[10612, 9432]	11241	[4499, 12041]

2128	[3863, 3864]	5166	[7987, 6678]	8204	[1488, 4868]	11242	[12031, 12042]
2129	[3865, 3866]	5167	[7988, 1918]	8205	[9386, 5028]	11243	[8936, 3426]
2130	[3867, 3868]	5168	[5838, 933]	8206	[4581, 10613]	11244	[10577, 9894]
2131	[3869, 3870]	5169	[7989, 6985]	8207	[10242, 1565]	11245	[4460, 4211]
2132	[1310, 3871]	5170	[127, 7990]	8208	[10530, 4050]	11246	[5576, 12043]
2133	[3872, 3873]	5171	[7991, 7992]	8209	[3720, 9608]	11247	[12044, 12045]
2134	[3874, 3875]	5172	[7439, 3237]	8210	[10614, 10615]	11248	[10061, 4849]
2135	[1259, 3876]	5173	[5879, 7993]	8211	[9978, 9873]	11249	[8747, 10519]
2136	[3877, 3878]	5174	[7994, 2047]	8212	[9566, 8521]	11250	[11946, 1132]
2137	[3879, 3880]	5175	[587, 6794]	8213	[3928, 10616]	11251	[10645, 9348]
2138	[3881, 3882]	5176	[7995, 6434]	8214	[1634, 1677]	11252	[12046, 12047]
2139	[270, 3883]	5177	[7996, 2266]	8215	[10617, 5327]	11253	[1760, 12048]
2140	[1256, 3884]	5178	[7681, 2875]	8216	[9108, 5437]	11254	[10498, 10232]
2141	[3885, 3886]	5179	[7997, 7998]	8217	[4677, 4987]	11255	[10291, 10419]
2142	[1816, 3887]	5180	[7999, 3147]	8218	[9452, 4342]	11256	[12049, 12050]
2143	[3888, 3430]	5181	[743, 1990]	8219	[3845, 8578]	11257	[9149, 9200]
2144	[3889, 3633]	5182	[8000, 1884]	8220	[10124, 10559]	11258	[1547, 4620]
2145	[3890, 3891]	5183	[2813, 8001]	8221	[5249, 10102]	11259	[12051, 3909]
2146	[1202, 3892]	5184	[8002, 5962]	8222	[10618, 9601]	11260	[4482, 3566]
2147	[3893, 3894]	5185	[2302, 8003]	8223	[10619, 5296]	11261	[9159, 8932]
2148	[3895, 1524]	5186	[8004, 8005]	8224	[9301, 3899]	11262	[9304, 10601]
2149	[3896, 3897]	5187	[8006, 8007]	8225	[9708, 9661]	11263	[10416, 21]
2150	[1591, 3898]	5188	[8008, 8009]	8226	[3601, 3530]	11264	[12052, 9159]
2151	[3899, 3900]	5189	[8010, 8011]	8227	[4665, 4135]	11265	[12053, 8962]
2152	[3901, 3902]	5190	[3107, 8012]	8228	[10620, 4223]	11266	[10020, 9955]
2153	[3903, 3904]	5191	[1925, 6403]	8229	[5001, 9039]	11267	[5615, 5278]
2154	[3905, 3906]	5192	[2557, 7609]	8230	[5126, 8707]	11268	[1786, 10629]
2155	[3907, 3908]	5193	[8013, 2351]	8231	[10621, 9190]	11269	[4233, 4555]
2156	[3909, 3910]	5194	[6661, 6502]	8232	[4121, 8961]	11270	[10483, 3522]
2157	[3911, 3912]	5195	[2403, 8014]	8233	[4629, 1460]	11271	[10715, 1023]
2158	[3913, 3914]	5196	[8015, 2590]	8234	[1253, 8673]	11272	[8878, 10216]
2159	[3915, 3916]	5197	[6678, 3143]	8235	[10622, 21]	11273	[412, 3402]
2160	[3917, 1516]	5198	[7873, 6692]	8236	[10603, 8905]	11274	[3826, 12054]
2161	[3918, 3919]	5199	[8016, 7388]	8237	[10623, 1660]	11275	[12055, 993]
2162	[3920, 3921]	5200	[8017, 8018]	8238	[403, 1047]	11276	[1806, 5707]
2163	[3922, 3923]	5201	[8019, 6585]	8239	[4601, 9047]	11277	[9680, 3587]
2164	[3924, 3925]	5202	[8020, 2342]	8240	[8818, 4968]	11278	[5642, 9595]
2165	[3926, 1627]	5203	[7407, 8021]	8241	[3641, 10028]	11279	[5551, 8618]
2166	[3927, 3928]	5204	[8022, 8023]	8242	[4543, 5578]	11280	[4840, 8530]
2167	[3929, 3930]	5205	[7602, 930]	8243	[10624, 5406]	11281	[1247, 5672]
2168	[3931, 3932]	5206	[7482, 7136]	8244	[3723, 10618]	11282	[10392, 10220]
2169	[1067, 1469]	5207	[2902, 5795]	8245	[9693, 9898]	11283	[4025, 11980]
2170	[3933, 3934]	5208	[8024, 55]	8246	[3587, 5274]	11284	[12056, 12057]
2171	[3935, 3936]	5209	[8025, 8026]	8247	[10380, 1106]	11285	[4743, 5374]

2172	[3937, 3938]	5210	[8027, 8028]	8248	[3874, 10538]	11286	[4010, 4918]
2173	[3939, 3940]	5211	[7272, 8029]	8249	[3584, 356]	11287	[12058, 9383]
2174	[3941, 3942]	5212	[8030, 8031]	8250	[10625, 10626]	11288	[4875, 1172]
2175	[3943, 3944]	5213	[7197, 2075]	8251	[10474, 10627]	11289	[1257, 322]
2176	[1564, 3945]	5214	[3086, 8032]	8252	[10628, 8654]	11290	[4552, 3663]
2177	[3946, 3947]	5215	[7714, 2030]	8253	[5121, 9048]	11291	[11922, 12059]
2178	[3948, 3949]	5216	[8033, 2970]	8254	[5336, 10376]	11292	[10670, 4622]
2179	[3950, 3951]	5217	[6169, 8034]	8255	[1113, 1746]	11293	[10728, 4211]
2180	[3952, 3805]	5218	[2170, 8035]	8256	[4362, 10629]	11294	[10318, 9907]
2181	[3953, 3954]	5219	[8036, 8037]	8257	[9969, 8558]	11295	[9873, 1800]
2182	[3955, 3956]	5220	[246, 5830]	8258	[1573, 10630]	11296	[11897, 12060]
2183	[3957, 490]	5221	[8038, 6651]	8259	[10631, 4021]	11297	[9994, 12061]
2184	[3958, 3959]	5222	[8039, 5956]	8260	[3856, 1078]	11298	[12062, 12052]
2185	[3960, 1768]	5223	[2781, 8040]	8261	[431, 8842]	11299	[10511, 982]
2186	[3961, 3962]	5224	[171, 2465]	8262	[10312, 9663]	11300	[74, 9840]
2187	[3963, 1477]	5225	[6871, 181]	8263	[1355, 10632]	11301	[9342, 4507]
2188	[1508, 3964]	5226	[8041, 8042]	8264	[5211, 10633]	11302	[9796, 10669]
2189	[3965, 3966]	5227	[8043, 8044]	8265	[10634, 1676]	11303	[9828, 1517]
2190	[3967, 3771]	5228	[3213, 3333]	8266	[5258, 5548]	11304	[9894, 4935]
2191	[3968, 3969]	5229	[7624, 5949]	8267	[10635, 10636]	11305	[11927, 12063]
2192	[3970, 3971]	5230	[7675, 8045]	8268	[4078, 5254]	11306	[4565, 9638]
2193	[3972, 3973]	5231	[8046, 5815]	8269	[8757, 77]	11307	[12064, 10357]
2194	[3974, 3975]	5232	[8047, 8048]	8270	[5187, 9419]	11308	[5621, 9770]
2195	[3438, 3976]	5233	[8049, 3008]	8271	[10344, 1832]	11309	[450, 12065]
2196	[3977, 3978]	5234	[3114, 8050]	8272	[9644, 10637]	11310	[4832, 1760]
2197	[3979, 3980]	5235	[2241, 8051]	8273	[10638, 9208]	11311	[395, 9316]
2198	[3981, 472]	5236	[3231, 8052]	8274	[5179, 1541]	11312	[4481, 3565]
2199	[3982, 279]	5237	[5782, 6154]	8275	[10108, 9126]	11313	[5605, 4644]
2200	[3983, 3984]	5238	[6612, 695]	8276	[10639, 10640]	11314	[9632, 10453]
2201	[3985, 3986]	5239	[7568, 6419]	8277	[9218, 10641]	11315	[3398, 5048]
2202	[3987, 3988]	5240	[8053, 8054]	8278	[9220, 4346]	11316	[4355, 9363]
2203	[3989, 3990]	5241	[8055, 8056]	8279	[3755, 10541]	11317	[4833, 12048]
2204	[3991, 3992]	5242	[8057, 8058]	8280	[4392, 9091]	11318	[10327, 5557]
2205	[3993, 3406]	5243	[8059, 6450]	8281	[9275, 1297]	11319	[9476, 12066]
2206	[3994, 3995]	5244	[2511, 8060]	8282	[421, 8997]	11320	[12067, 460]
2207	[1447, 3996]	5245	[1872, 8061]	8283	[9487, 9511]	11321	[10357, 9859]
2208	[3997, 3998]	5246	[578, 935]	8284	[3497, 5641]	11322	[408, 1553]
2209	[3999, 4000]	5247	[2082, 7085]	8285	[1604, 1343]	11323	[473, 466]
2210	[4001, 4002]	5248	[3340, 8062]	8286	[3676, 5551]	11324	[10689, 5494]
2211	[4003, 1210]	5249	[3367, 6198]	8287	[3411, 10122]	11325	[5161, 4407]
2212	[3827, 4004]	5250	[8063, 8064]	8288	[10642, 10643]	11326	[11989, 9810]
2213	[4005, 4006]	5251	[8065, 8066]	8289	[9528, 10644]	11327	[9988, 427]
2214	[4007, 4008]	5252	[8067, 8068]	8290	[10437, 9801]	11328	[1204, 10528]
2215	[4009, 4010]	5253	[8069, 8070]	8291	[8553, 5233]	11329	[1376, 3430]

2216	[4011, 4012]	5254	[7125, 8071]	8292	[4952, 10645]	11330	[12068, 10534]
2217	[4013, 4014]	5255	[8072, 8073]	8293	[10646, 10647]	11331	[4454, 5001]
2218	[4015, 4016]	5256	[8074, 8075]	8294	[10648, 10495]	11332	[12047, 9778]
2219	[4017, 1659]	5257	[675, 6790]	8295	[10649, 4062]	11333	[10399, 9820]
2220	[4018, 1024]	5258	[8076, 8077]	8296	[8719, 10650]	11334	[5146, 11973]
2221	[4019, 4020]	5259	[8078, 2110]	8297	[5728, 8901]	11335	[12069, 12070]
2222	[4021, 4022]	5260	[8079, 190]	8298	[10607, 4937]	11336	[4840, 5255]
2223	[4023, 1076]	5261	[8080, 6035]	8299	[10651, 10652]	11337	[12071, 11900]
2224	[4024, 4025]	5262	[8081, 8082]	8300	[10653, 10654]	11338	[10621, 9853]
2225	[4026, 4027]	5263	[8083, 6797]	8301	[4320, 10210]	11339	[4712, 1364]
2226	[4028, 4029]	5264	[8084, 8085]	8302	[10655, 432]	11340	[10402, 11888]
2227	[3947, 4030]	5265	[8086, 8087]	8303	[10656, 5456]	11341	[12033, 10562]
2228	[4031, 4032]	5266	[8088, 7727]	8304	[10622, 5664]	11342	[12072, 4656]
2229	[4033, 4034]	5267	[7504, 8089]	8305	[1209, 5097]	11343	[418, 480]
2230	[4035, 4036]	5268	[6880, 621]	8306	[10657, 10658]	11344	[12073, 3465]
2231	[4037, 4038]	5269	[8090, 2533]	8307	[10659, 10341]	11345	[3563, 9945]
2232	[4039, 4040]	5270	[8091, 8092]	8308	[10398, 8789]	11346	[12008, 11962]
2233	[4041, 4042]	5271	[2866, 8093]	8309	[4817, 4614]	11347	[5695, 12011]
2234	[4043, 4044]	5272	[8094, 8095]	8310	[10660, 8639]	11348	[10196, 3519]
2235	[4045, 1473]	5273	[8096, 7440]	8311	[3652, 5527]	11349	[5095, 124]
2236	[4046, 4047]	5274	[8097, 8098]	8312	[3903, 4287]	11350	[11936, 9933]
2237	[4048, 4049]	5275	[8099, 6029]	8313	[9692, 5449]	11351	[10509, 9395]
2238	[4050, 4051]	5276	[2955, 7020]	8314	[10612, 8595]	11352	[11985, 1095]
2239	[3904, 4052]	5277	[7398, 8100]	8315	[10661, 10465]	11353	[1709, 1857]
2240	[4053, 4054]	5278	[8101, 7418]	8316	[10662, 10663]	11354	[11961, 12074]
2241	[4055, 4056]	5279	[7692, 8102]	8317	[10446, 3827]	11355	[1062, 12075]
2242	[4057, 4058]	5280	[8103, 178]	8318	[9738, 4192]	11356	[76, 9304]
2243	[4059, 3593]	5281	[8104, 8105]	8319	[4760, 10602]	11357	[370, 12043]
2244	[4060, 4061]	5282	[8106, 6404]	8320	[4881, 5268]	11358	[1840, 12076]
2245	[1514, 1832]	5283	[8107, 5837]	8321	[4886, 1545]	11359	[9280, 3914]
2246	[4062, 1100]	5284	[136, 8108]	8322	[10664, 10665]	11360	[10617, 9358]
2247	[4063, 4064]	5285	[6222, 8109]	8323	[10666, 10667]	11361	[12077, 12078]
2248	[3413, 4065]	5286	[7665, 6842]	8324	[10648, 9977]	11362	[5536, 1494]
2249	[4066, 4067]	5287	[2577, 8110]	8325	[4955, 5130]	11363	[10701, 3912]
2250	[4068, 4069]	5288	[8111, 3102]	8326	[10306, 5702]	11364	[4498, 8531]
2251	[4070, 4071]	5289	[8112, 8113]	8327	[1087, 4961]	11365	[296, 8956]
2252	[4072, 4073]	5290	[6298, 8114]	8328	[4885, 4899]	11366	[10356, 12079]
2253	[4074, 1740]	5291	[8059, 8115]	8329	[9247, 9893]	11367	[3981, 9612]
2254	[4075, 4076]	5292	[7933, 8116]	8330	[10668, 8964]	11368	[10135, 9736]
2255	[1664, 4077]	5293	[6588, 6777]	8331	[10588, 9512]	11369	[3615, 3596]
2256	[4078, 4079]	5294	[8117, 2180]	8332	[8710, 10669]	11370	[5344, 10454]
2257	[1292, 4080]	5295	[7217, 8118]	8333	[10670, 9768]	11371	[5538, 10643]
2258	[4081, 4082]	5296	[855, 588]	8334	[460, 10671]	11372	[1676, 1815]
2259	[3819, 4083]	5297	[8119, 8120]	8335	[4809, 29]	11373	[8847, 10591]

2260	[4084, 4085]	5298	[889, 587]	8336	[9910, 8826]	11374	[3602, 11991]
2261	[4086, 4087]	5299	[8121, 8122]	8337	[10672, 10673]	11375	[10190, 8643]
2262	[4088, 4089]	5300	[171, 7056]	8338	[3894, 10016]	11376	[9787, 9419]
2263	[4090, 4082]	5301	[8123, 8124]	8339	[8695, 9554]	11377	[10010, 4262]
2264	[4053, 4091]	5302	[8125, 8126]	8340	[9013, 10674]	11378	[12080, 12081]
2265	[4092, 4093]	5303	[6622, 3148]	8341	[10675, 3618]	11379	[9348, 9403]
2266	[4094, 4095]	5304	[929, 8127]	8342	[10676, 10677]	11380	[3885, 4734]
2267	[4096, 1718]	5305	[6629, 850]	8343	[268, 9413]	11381	[4447, 8915]
2268	[4097, 3563]	5306	[8128, 7331]	8344	[4096, 4929]	11382	[8914, 4448]
2269	[4098, 4099]	5307	[8129, 3248]	8345	[10655, 10072]	11383	[5197, 10340]
2270	[4100, 4101]	5308	[675, 8130]	8346	[9176, 10548]	11384	[5042, 4376]
2271	[4102, 4103]	5309	[8131, 8132]	8347	[402, 10678]	11385	[5158, 8684]
2272	[4104, 4105]	5310	[2948, 3290]	8348	[991, 5364]	11386	[9421, 5505]
2273	[4106, 4107]	5311	[8133, 6341]	8349	[5285, 116]	11387	[9680, 5273]
2274	[4103, 4108]	5312	[8134, 8050]	8350	[4067, 3698]	11388	[12082, 10514]
2275	[481, 4109]	5313	[2006, 2614]	8351	[5729, 9739]	11389	[1193, 12083]
2276	[4110, 4100]	5314	[7663, 3124]	8352	[4722, 10679]	11390	[9823, 9462]
2277	[4111, 4112]	5315	[8135, 8136]	8353	[1314, 10680]	11391	[10281, 1296]
2278	[1619, 4113]	5316	[5950, 8137]	8354	[1722, 20]	11392	[9858, 9904]
2279	[4114, 1197]	5317	[8138, 2478]	8355	[5065, 9938]	11393	[10052, 12036]
2280	[4115, 4006]	5318	[8139, 8140]	8356	[10031, 10156]	11394	[1307, 12084]
2281	[4116, 4117]	5319	[8141, 8142]	8357	[10681, 10020]	11395	[1630, 8524]
2282	[4118, 4119]	5320	[8143, 8144]	8358	[5149, 10682]	11396	[8935, 10062]
2283	[4120, 4121]	5321	[743, 8145]	8359	[4317, 8821]	11397	[3638, 3590]
2284	[4122, 4123]	5322	[8146, 8147]	8360	[10645, 1659]	11398	[4482, 12085]
2285	[4124, 3907]	5323	[6521, 8148]	8361	[10455, 10683]	11399	[4941, 11960]
2286	[4125, 4126]	5324	[7514, 6122]	8362	[10684, 1141]	11400	[9598, 5418]
2287	[4127, 4128]	5325	[515, 7288]	8363	[10032, 1394]	11401	[104, 273]
2288	[1038, 4129]	5326	[3061, 8149]	8364	[3452, 3758]	11402	[1439, 10103]
2289	[4130, 4131]	5327	[8150, 8151]	8365	[10444, 9816]	11403	[12086, 3720]
2290	[4132, 4133]	5328	[7804, 8137]	8366	[1402, 5392]	11404	[3565, 12085]
2291	[4134, 4135]	5329	[961, 6410]	8367	[10685, 1164]	11405	[10370, 9349]
2292	[4136, 4137]	5330	[8152, 8153]	8368	[10686, 9854]	11406	[4913, 3594]
2293	[4138, 4139]	5331	[8154, 6600]	8369	[5625, 1819]	11407	[1089, 1624]
2294	[4140, 4141]	5332	[2020, 8155]	8370	[4201, 4789]	11408	[3578, 3750]
2295	[4142, 4143]	5333	[8156, 8157]	8371	[10687, 10057]	11409	[4886, 5215]
2296	[4144, 4145]	5334	[541, 8158]	8372	[4332, 5039]	11410	[5582, 285]
2297	[4146, 4147]	5335	[8159, 8160]	8373	[9105, 10210]	11411	[1689, 445]
2298	[4148, 3575]	5336	[6374, 8161]	8374	[4119, 10688]	11412	[10638, 4349]
2299	[4149, 1233]	5337	[2238, 2869]	8375	[9810, 10637]	11413	[9978, 10047]
2300	[4150, 4151]	5338	[8162, 8163]	8376	[10689, 10690]	11414	[12009, 12087]
2301	[4152, 4153]	5339	[8164, 8165]	8377	[10623, 4125]	11415	[9999, 10459]
2302	[4154, 69]	5340	[6014, 2860]	8378	[95, 9621]	11416	[5436, 5722]
2303	[4155, 4156]	5341	[7999, 3006]	8379	[4205, 10691]	11417	[12035, 8905]

2304	[4157, 4158]	5342	[8166, 8167]	8380	[10018, 4506]	11418	[9571, 1462]
2305	[4159, 4160]	5343	[6906, 8168]	8381	[9754, 9770]	11419	[1843, 11986]
2306	[4161, 3537]	5344	[3089, 7347]	8382	[319, 10001]	11420	[8589, 8866]
2307	[4162, 4163]	5345	[7981, 718]	8383	[10692, 8927]	11421	[12088, 12089]
2308	[400, 4164]	5346	[8169, 8170]	8384	[9281, 1839]	11422	[9295, 5167]
2309	[4165, 4166]	5347	[8171, 2154]	8385	[5138, 10407]	11423	[10468, 8804]
2310	[4167, 4168]	5348	[8172, 8173]	8386	[10341, 10693]	11424	[10432, 1371]
2311	[4169, 4004]	5349	[8174, 6744]	8387	[5219, 9497]	11425	[374, 10328]
2312	[4170, 3460]	5350	[8175, 2276]	8388	[10694, 4872]	11426	[8665, 12090]
2313	[4171, 4172]	5351	[6477, 8176]	8389	[1836, 9539]	11427	[1317, 4459]
2314	[4173, 4174]	5352	[8177, 8178]	8390	[10695, 10696]	11428	[12071, 5470]
2315	[4175, 4176]	5353	[7242, 6851]	8391	[5430, 4079]	11429	[10459, 4614]
2316	[4177, 4178]	5354	[8179, 7593]	8392	[8884, 1315]	11430	[3574, 9290]
2317	[4179, 1654]	5355	[2981, 2927]	8393	[274, 1410]	11431	[10320, 11901]
2318	[4180, 1300]	5356	[8180, 8181]	8394	[5136, 9486]	11432	[12091, 10668]
2319	[4181, 4045]	5357	[3044, 648]	8395	[3715, 8988]	11433	[12032, 12092]
2320	[4182, 1640]	5358	[8182, 8183]	8396	[10587, 5208]	11434	[12093, 12094]
2321	[4183, 4184]	5359	[2628, 6275]	8397	[10697, 8815]	11435	[4058, 11992]
2322	[4185, 3918]	5360	[835, 8184]	8398	[5530, 116]	11436	[9227, 9996]
2323	[4186, 4187]	5361	[6251, 5934]	8399	[4674, 1092]	11437	[10604, 8906]
2324	[4188, 4189]	5362	[8185, 7890]	8400	[1296, 9276]	11438	[9892, 9248]
2325	[4190, 4191]	5363	[7861, 8186]	8401	[10698, 10699]	11439	[4229, 4833]
2326	[4120, 4192]	5364	[2331, 3371]	8402	[4785, 8877]	11440	[5619, 9287]
2327	[4193, 4194]	5365	[7661, 756]	8403	[10698, 9783]	11441	[4615, 9435]
2328	[4195, 4196]	5366	[8187, 8188]	8404	[10700, 8698]	11442	[9385, 11997]
2329	[4158, 4197]	5367	[8189, 8190]	8405	[10533, 9018]	11443	[1355, 4215]
2330	[4198, 4199]	5368	[3370, 7841]	8406	[4945, 1387]	11444	[3543, 1201]
2331	[4200, 4201]	5369	[2197, 883]	8407	[10701, 10702]	11445	[5008, 11976]
2332	[4202, 4203]	5370	[7623, 1889]	8408	[5090, 9449]	11446	[3475, 10716]
2333	[4204, 4205]	5371	[2210, 2534]	8409	[3506, 10386]	11447	[9713, 9211]
2334	[4206, 4207]	5372	[8191, 8192]	8410	[10469, 10250]	11448	[9082, 9620]
2335	[4208, 4209]	5373	[8193, 8194]	8411	[1273, 8825]	11449	[12095, 3972]
2336	[4027, 4210]	5374	[7524, 8195]	8412	[9300, 1566]	11450	[1040, 10312]
2337	[4211, 3405]	5375	[7526, 7448]	8413	[3471, 9244]	11451	[10686, 1266]
2338	[4212, 4213]	5376	[8196, 741]	8414	[8627, 9101]	11452	[8544, 10424]
2339	[4214, 4215]	5377	[7472, 8197]	8415	[10458, 4817]	11453	[413, 10507]
2340	[4216, 4217]	5378	[2292, 8198]	8416	[1752, 5133]	11454	[10320, 8933]
2341	[4218, 4219]	5379	[7570, 509]	8417	[1170, 3947]	11455	[9426, 4424]
2342	[4220, 4221]	5380	[8199, 819]	8418	[5519, 4966]	11456	[8635, 12025]
2343	[4132, 4222]	5381	[8200, 6335]	8419	[9886, 4981]	11457	[11913, 12087]
2344	[4223, 4224]	5382	[8201, 8202]	8420	[10703, 10025]	11458	[3920, 4609]
2345	[4225, 4226]	5383	[8203, 2838]	8421	[10704, 8637]	11459	[12096, 12097]
2346	[4227, 4228]	5384	[8204, 8205]	8422	[4700, 9326]	11460	[9814, 5351]
2347	[4229, 1760]	5385	[8206, 5939]	8423	[9731, 4691]	11461	[5092, 1552]

2348	[4230, 4154]	5386	[8207, 3112]	8424	[8672, 10371]	11462	[8873, 9206]
2349	[1001, 4231]	5387	[8077, 8208]	8425	[3964, 4043]	11463	[114, 9541]
2350	[4232, 4233]	5388	[8209, 8210]	8426	[10705, 4384]	11464	[12098, 8684]
2351	[4234, 4235]	5389	[749, 7210]	8427	[4607, 10706]	11465	[10206, 4367]
2352	[4236, 3415]	5390	[8211, 8212]	8428	[10707, 1174]	11466	[8555, 1807]
2353	[4237, 1031]	5391	[8213, 8214]	8429	[4818, 9434]	11467	[484, 4251]
2354	[4238, 4239]	5392	[8215, 8216]	8430	[10708, 10709]	11468	[4434, 8634]
2355	[4240, 1480]	5393	[2639, 8217]	8431	[3425, 8937]	11469	[12099, 12100]
2356	[4241, 4242]	5394	[8218, 8219]	8432	[1442, 3667]	11470	[5233, 9004]
2357	[4243, 4244]	5395	[5890, 8220]	8433	[10631, 9441]	11471	[1181, 5676]
2358	[4245, 4246]	5396	[6082, 7096]	8434	[5705, 4393]	11472	[3550, 4606]
2359	[1567, 4247]	5397	[2206, 8221]	8435	[10710, 475]	11473	[9170, 9355]
2360	[4248, 4249]	5398	[3383, 6174]	8436	[5662, 10427]	11474	[345, 10679]
2361	[4250, 4251]	5399	[8222, 8223]	8437	[10467, 10711]	11475	[9101, 1234]
2362	[84, 4252]	5400	[2609, 8224]	8438	[9652, 9250]	11476	[1388, 1405]
2363	[1699, 4253]	5401	[8115, 8225]	8439	[1252, 8672]	11477	[3440, 10355]
2364	[4254, 4255]	5402	[2362, 7915]	8440	[9445, 3808]	11478	[10538, 12101]
2365	[4256, 4257]	5403	[147, 2439]	8441	[10712, 10713]	11479	[5384, 4001]
2366	[1517, 67]	5404	[7222, 5817]	8442	[10714, 8874]	11480	[9412, 269]
2367	[1461, 4258]	5405	[714, 2717]	8443	[8606, 10374]	11481	[8715, 4382]
2368	[4259, 4260]	5406	[8226, 1928]	8444	[10715, 3676]	11482	[1107, 10211]
2369	[4261, 4262]	5407	[2631, 8227]	8445	[5589, 4944]	11483	[9908, 1573]
2370	[4263, 4264]	5408	[8228, 8229]	8446	[1289, 10716]	11484	[1429, 1154]
2371	[4265, 4266]	5409	[8230, 8231]	8447	[10496, 10717]	11485	[11951, 5499]
2372	[96, 4267]	5410	[8232, 8233]	8448	[5361, 10718]	11486	[10228, 11920]
2373	[4268, 4269]	5411	[8234, 8235]	8449	[4267, 10719]	11487	[4385, 4977]
2374	[4270, 4271]	5412	[2025, 6032]	8450	[10720, 318]	11488	[5267, 4882]
2375	[4272, 4048]	5413	[221, 7604]	8451	[4090, 4445]	11489	[328, 1677]
2376	[977, 4273]	5414	[8236, 3226]	8452	[5122, 3565]	11490	[12102, 5472]
2377	[4274, 4275]	5415	[7584, 8237]	8453	[1365, 10721]	11491	[10253, 9993]
2378	[4276, 4277]	5416	[8238, 6900]	8454	[9886, 10722]	11492	[10225, 4538]
2379	[4278, 4279]	5417	[8239, 8240]	8455	[10723, 10724]	11493	[10265, 8858]
2380	[4280, 4281]	5418	[8241, 7143]	8456	[10725, 10726]	11494	[5675, 12103]
2381	[350, 3858]	5419	[557, 1916]	8457	[1442, 1288]	11495	[9719, 10718]
2382	[3710, 4282]	5420	[766, 2952]	8458	[8666, 9322]	11496	[5350, 9815]
2383	[4283, 4284]	5421	[8242, 6737]	8459	[4636, 5277]	11497	[9511, 9763]
2384	[1668, 4285]	5422	[8243, 8244]	8460	[4766, 4498]	11498	[9371, 5176]
2385	[4286, 4287]	5423	[8245, 2936]	8461	[4255, 9856]	11499	[5043, 8597]
2386	[101, 4288]	5424	[838, 2277]	8462	[5047, 5721]	11500	[71, 5133]
2387	[1030, 4289]	5425	[6022, 7790]	8463	[10727, 10537]	11501	[11875, 9713]
2388	[1587, 4290]	5426	[8246, 8247]	8464	[10728, 4461]	11502	[8554, 5234]
2389	[4291, 4292]	5427	[8248, 1880]	8465	[9702, 8977]	11503	[12045, 12104]
2390	[4293, 4294]	5428	[8101, 8249]	8466	[1475, 10729]	11504	[4186, 8960]
2391	[4295, 4296]	5429	[2543, 546]	8467	[8723, 10119]	11505	[8611, 10246]

2392	[4297, 4298]	5430	[2873, 2722]	8468	[10730, 5660]	11506	[9753, 1134]
2393	[1785, 4299]	5431	[6651, 8250]	8469	[10610, 10731]	11507	[1444, 10500]
2394	[4300, 4301]	5432	[3363, 3121]	8470	[10660, 3872]	11508	[4614, 9434]
2395	[4302, 4303]	5433	[243, 8251]	8471	[1007, 4436]	11509	[8899, 287]
2396	[4304, 4305]	5434	[8252, 7257]	8472	[1356, 5608]	11510	[10200, 9068]
2397	[3758, 4306]	5435	[6498, 8253]	8473	[1720, 10732]	11511	[12105, 11942]
2398	[4307, 4308]	5436	[8254, 8255]	8474	[5436, 1459]	11512	[1554, 3727]
2399	[4309, 4310]	5437	[8256, 8257]	8475	[1601, 5454]	11513	[5354, 8575]
2400	[4311, 4312]	5438	[897, 1870]	8476	[8625, 9803]	11514	[5386, 1680]
2401	[311, 4313]	5439	[2666, 8258]	8477	[10546, 8675]	11515	[12078, 12106]
2402	[4314, 4315]	5440	[6868, 8259]	8478	[8617, 10613]	11516	[8633, 10529]
2403	[3589, 4316]	5441	[787, 6818]	8479	[3554, 5730]	11517	[8896, 8771]
2404	[3887, 4317]	5442	[8260, 2454]	8480	[10307, 10733]	11518	[5698, 4897]
2405	[4318, 4319]	5443	[219, 2024]	8481	[10174, 10003]	11519	[9273, 5318]
2406	[4320, 4321]	5444	[1972, 8261]	8482	[4069, 9495]	11520	[80, 11949]
2407	[4322, 3431]	5445	[8262, 6899]	8483	[9595, 8999]	11521	[3800, 9584]
2408	[4323, 4324]	5446	[8263, 8264]	8484	[10734, 10037]	11522	[9114, 12021]
2409	[4325, 4326]	5447	[8265, 6206]	8485	[3423, 9377]	11523	[1520, 11944]
2410	[4327, 4328]	5448	[32, 2972]	8486	[4483, 5446]	11524	[10270, 4182]
2411	[4329, 4330]	5449	[7163, 7910]	8487	[1263, 3696]	11525	[10072, 4474]
2412	[4331, 4332]	5450	[8266, 8267]	8488	[9310, 10397]	11526	[10703, 1667]
2413	[1326, 4333]	5451	[8268, 177]	8489	[9914, 9406]	11527	[11948, 4617]
2414	[4334, 4335]	5452	[8269, 8270]	8490	[4836, 5230]	11528	[10385, 3507]
2415	[4336, 4337]	5453	[8271, 956]	8491	[9835, 1052]	11529	[8574, 5355]
2416	[1399, 4053]	5454	[8272, 8273]	8492	[10380, 9408]	11530	[12047, 11995]
2417	[4338, 4339]	5455	[2978, 8274]	8493	[9495, 9172]	11531	[5407, 4054]
2418	[4340, 4341]	5456	[963, 3380]	8494	[9726, 10309]	11532	[5593, 8733]
2419	[1657, 4342]	5457	[8275, 6263]	8495	[4428, 5502]	11533	[10148, 10721]
2420	[4343, 3561]	5458	[7803, 5950]	8496	[3844, 5437]	11534	[11915, 9411]
2421	[4344, 4345]	5459	[8276, 6683]	8497	[1028, 5737]	11535	[10420, 1531]
2422	[4346, 4347]	5460	[8277, 8278]	8498	[1035, 10735]	11536	[4214, 10632]
2423	[4348, 4349]	5461	[6255, 5832]	8499	[10736, 313]	11537	[8603, 9017]
2424	[4350, 3491]	5462	[6062, 8279]	8500	[10076, 3615]	11538	[3962, 9388]
2425	[4351, 4352]	5463	[1965, 2719]	8501	[8788, 10737]	11539	[12026, 5699]
2426	[1419, 495]	5464	[7996, 6173]	8502	[1046, 9355]	11540	[3911, 10702]
2427	[4353, 4354]	5465	[8280, 2221]	8503	[120, 9495]	11541	[12007, 12065]
2428	[3671, 4355]	5466	[8281, 7029]	8504	[10738, 10271]	11542	[8791, 9525]
2429	[3617, 4356]	5467	[8282, 8283]	8505	[8765, 10739]	11543	[8915, 4572]
2430	[4357, 374]	5468	[7882, 8284]	8506	[1774, 10650]	11544	[1608, 10092]
2431	[72, 4358]	5469	[6582, 6766]	8507	[1797, 10740]	11545	[10697, 3794]
2432	[4359, 323]	5470	[8039, 3046]	8508	[5229, 10741]	11546	[12107, 9142]
2433	[4360, 4361]	5471	[8285, 8286]	8509	[1458, 5722]	11547	[1709, 9864]
2434	[4362, 1787]	5472	[6361, 6215]	8510	[1291, 87]	11548	[9903, 3837]
2435	[4363, 4364]	5473	[5780, 2013]	8511	[9556, 10742]	11549	[8520, 8860]

2436	[4365, 1698]	5474	[8287, 3207]	8512	[10738, 10162]	11550	[1353, 3481]
2437	[4366, 3678]	5475	[3216, 8034]	8513	[3647, 1239]	11551	[338, 9180]
2438	[4367, 4368]	5476	[8288, 2055]	8514	[10743, 7331]	11552	[10656, 3730]
2439	[4369, 4370]	5477	[6645, 8289]	8515	[10744, 10745]	11553	[1214, 9491]
2440	[4371, 4372]	5478	[8290, 8291]	8516	[10746, 10747]	11554	[5091, 9450]
2441	[4373, 4374]	5479	[2539, 1953]	8517	[5957, 6593]	11555	[8955, 297]
2442	[4375, 102]	5480	[2178, 8292]	8518	[7830, 3316]	11556	[12108, 9225]
2443	[3450, 1810]	5481	[1970, 7258]	8519	[10748, 7237]	11557	[5496, 337]
2444	[4376, 4377]	5482	[7390, 6590]	8520	[6221, 10749]	11558	[10238, 9349]
2445	[4378, 1645]	5483	[7457, 7959]	8521	[10750, 2274]	11559	[1640, 10475]
2446	[4379, 4380]	5484	[54, 2987]	8522	[2893, 554]	11560	[5427, 9785]
2447	[4381, 4382]	5485	[7770, 6245]	8523	[7926, 7078]	11561	[12109, 12110]
2448	[4383, 1562]	5486	[2012, 2427]	8524	[5778, 10751]	11562	[10589, 12092]
2449	[4384, 4385]	5487	[8293, 8294]	8525	[8296, 6969]	11563	[4322, 10649]
2450	[4386, 4333]	5488	[8295, 699]	8526	[8145, 8432]	11564	[353, 3822]
2451	[4387, 4388]	5489	[8296, 548]	8527	[7483, 816]	11565	[12111, 8563]
2452	[4389, 4390]	5490	[8297, 3157]	8528	[8410, 7378]	11566	[5380, 8996]
2453	[4391, 4392]	5491	[8298, 6947]	8529	[10752, 2503]	11567	[4788, 326]
2454	[4393, 1080]	5492	[8299, 8300]	8530	[7642, 10753]	11568	[4014, 12112]
2455	[4394, 4395]	5493	[2647, 8104]	8531	[7447, 10754]	11569	[9632, 10372]
2456	[4396, 4397]	5494	[8301, 160]	8532	[2982, 10755]	11570	[4450, 9424]
2457	[4398, 4399]	5495	[8302, 7592]	8533	[7308, 10756]	11571	[12086, 401]
2458	[4400, 4401]	5496	[8011, 7186]	8534	[10757, 833]	11572	[485, 10013]
2459	[3634, 4402]	5497	[7410, 8303]	8535	[2189, 8425]	11573	[4715, 12113]
2460	[4403, 978]	5498	[8304, 8143]	8536	[10758, 10759]	11574	[12098, 5159]
2461	[4404, 4405]	5499	[8305, 2666]	8537	[10760, 3248]	11575	[10608, 9050]
2462	[4406, 4407]	5500	[2351, 2934]	8538	[6100, 7753]	11576	[4962, 12059]
2463	[4408, 4409]	5501	[8306, 8307]	8539	[10761, 2983]	11577	[5045, 5548]
2464	[4410, 4411]	5502	[8308, 8309]	8540	[10762, 10763]	11578	[5118, 9407]
2465	[339, 4412]	5503	[1877, 6627]	8541	[10764, 7838]	11579	[5439, 340]
2466	[4413, 4414]	5504	[7530, 8310]	8542	[2710, 10765]	11580	[4384, 4813]
2467	[4415, 4416]	5505	[7440, 6576]	8543	[10766, 10767]	11581	[8865, 3764]
2468	[4417, 4418]	5506	[2015, 8311]	8544	[8149, 10768]	11582	[5253, 9894]
2469	[4419, 4420]	5507	[2540, 2568]	8545	[10769, 7859]	11583	[9986, 4566]
2470	[4421, 3896]	5508	[8312, 7913]	8546	[10770, 7884]	11584	[9354, 10059]
2471	[4294, 4422]	5509	[6566, 662]	8547	[10771, 8182]	11585	[1139, 1032]
2472	[4423, 4424]	5510	[7617, 2266]	8548	[2719, 2403]	11586	[5312, 12074]
2473	[4425, 4426]	5511	[8313, 8314]	8549	[8508, 5975]	11587	[4808, 10064]
2474	[4427, 1539]	5512	[8224, 8315]	8550	[684, 7590]	11588	[4504, 9792]
2475	[4428, 3465]	5513	[8316, 5996]	8551	[1979, 10772]	11589	[5465, 12114]
2476	[4429, 4055]	5514	[8317, 7575]	8552	[6523, 6058]	11590	[12115, 5727]
2477	[4430, 4431]	5515	[8318, 8319]	8553	[10773, 10774]	11591	[4565, 9240]
2478	[4432, 4433]	5516	[6281, 2289]	8554	[7959, 10775]	11592	[4115, 10261]
2479	[4434, 3539]	5517	[2862, 8320]	8555	[6592, 7047]	11593	[10687, 1241]

2480	[4435, 4436]	5518	[7036, 8321]	8556	[10776, 5977]	11594	[10443, 9680]
2481	[309, 4437]	5519	[8322, 8323]	8557	[10777, 8204]	11595	[10426, 10141]
2482	[972, 3757]	5520	[8324, 6878]	8558	[10778, 10779]	11596	[1550, 12003]
2483	[4438, 4439]	5521	[8325, 2948]	8559	[10780, 2398]	11597	[5431, 12090]
2484	[4440, 4441]	5522	[8326, 8327]	8560	[5910, 10781]	11598	[10412, 268]
2485	[4218, 4397]	5523	[6763, 5933]	8561	[7457, 8435]	11599	[9714, 5554]
2486	[4442, 4443]	5524	[7608, 8328]	8562	[10782, 1892]	11600	[70, 9663]
2487	[1318, 4444]	5525	[8329, 3056]	8563	[10783, 6153]	11601	[12105, 10479]
2488	[4445, 4446]	5526	[8330, 8293]	8564	[779, 2135]	11602	[12058, 8994]
2489	[1701, 4338]	5527	[6123, 3224]	8565	[10784, 10785]	11603	[9452, 1658]
2490	[4447, 4448]	5528	[2512, 8331]	8566	[10786, 10787]	11604	[9361, 5233]
2491	[4077, 4449]	5529	[8114, 8332]	8567	[10788, 1982]	11605	[12022, 11937]
2492	[4450, 4451]	5530	[8333, 194]	8568	[10789, 6207]	11606	[9713, 1613]
2493	[4452, 4453]	5531	[8334, 8335]	8569	[202, 10790]	11607	[3884, 4359]
2494	[4454, 3576]	5532	[8336, 950]	8570	[10791, 7209]	11608	[5412, 3587]
2495	[4455, 1265]	5533	[2611, 8337]	8571	[7733, 2631]	11609	[3980, 12083]
2496	[4456, 4457]	5534	[7789, 6023]	8572	[10792, 686]	11610	[10563, 1805]
2497	[1363, 4458]	5535	[6594, 8338]	8573	[10793, 6165]	11611	[9003, 8743]
2498	[3884, 322]	5536	[6316, 800]	8574	[10752, 10794]	11612	[4464, 5492]
2499	[1345, 4459]	5537	[6597, 6393]	8575	[5786, 7374]	11613	[10304, 10319]
2500	[4460, 4461]	5538	[8339, 6803]	8576	[3337, 10795]	11614	[12091, 9429]
2501	[4462, 4463]	5539	[7322, 8181]	8577	[538, 1887]	11615	[11902, 9170]
2502	[4464, 4465]	5540	[8340, 8158]	8578	[10796, 10797]	11616	[10284, 4025]
2503	[1847, 4466]	5541	[6503, 7822]	8579	[6954, 10798]	11617	[5262, 5095]
2504	[4467, 4468]	5542	[132, 7875]	8580	[7400, 10799]	11618	[1101, 484]
2505	[4469, 4470]	5543	[8341, 8342]	8581	[5790, 657]	11619	[9002, 3440]
2506	[4471, 4472]	5544	[7484, 7356]	8582	[6714, 10800]	11620	[12116, 10546]
2507	[4269, 4473]	5545	[2934, 7711]	8583	[3101, 10801]	11621	[5713, 3934]
2508	[432, 4474]	5546	[233, 2547]	8584	[6858, 2519]	11622	[3921, 5435]
2509	[4475, 4476]	5547	[3177, 7332]	8585	[10802, 2693]	11623	[1071, 3774]
2510	[4477, 4478]	5548	[6801, 2318]	8586	[10803, 10804]	11624	[4043, 9629]
2511	[4479, 4480]	5549	[8077, 7034]	8587	[188, 10805]	11625	[8516, 3740]
2512	[4481, 4482]	5550	[8343, 3198]	8588	[3374, 2206]	11626	[3459, 10142]
2513	[4483, 3896]	5551	[8344, 8345]	8589	[6136, 10806]	11627	[5636, 9880]
2514	[4484, 4485]	5552	[6299, 5960]	8590	[10807, 10808]	11628	[10664, 9534]
2515	[4486, 4487]	5553	[8346, 6390]	8591	[6150, 238]	11629	[10351, 9988]
2516	[4488, 4489]	5554	[8347, 2395]	8592	[6912, 10809]	11630	[1280, 9749]
2517	[4490, 4491]	5555	[153, 8348]	8593	[6242, 10810]	11631	[9116, 10735]
2518	[4492, 4493]	5556	[8349, 8350]	8594	[7931, 10811]	11632	[1580, 9399]
2519	[4494, 4495]	5557	[8351, 7082]	8595	[10812, 7817]	11633	[8893, 10245]
2520	[4496, 4124]	5558	[1917, 8352]	8596	[8191, 10813]	11634	[1676, 9300]
2521	[1279, 4497]	5559	[805, 8353]	8597	[10814, 10815]	11635	[12117, 4396]
2522	[4498, 1093]	5560	[894, 8354]	8598	[7181, 8395]	11636	[9849, 5706]
2523	[1090, 4499]	5561	[3024, 8355]	8599	[3143, 6145]	11637	[10327, 12118]

2524	[1178, 4500]	5562	[2802, 8356]	8600	[10816, 3193]	11638	[373, 10424]
2525	[4501, 4502]	5563	[8357, 8358]	8601	[10817, 7301]	11639	[5507, 11916]
2526	[4503, 1182]	5564	[8359, 8360]	8602	[10818, 10819]	11640	[9519, 10618]
2527	[1479, 4504]	5565	[7900, 8361]	8603	[10820, 8484]	11641	[9150, 9525]
2528	[1793, 4505]	5566	[2563, 8083]	8604	[10821, 10822]	11642	[3609, 1576]
2529	[4506, 4507]	5567	[925, 8362]	8605	[7122, 10823]	11643	[8524, 8520]
2530	[1640, 4508]	5568	[8122, 8363]	8606	[7175, 878]	11644	[1121, 5106]
2531	[4509, 4510]	5569	[8364, 8365]	8607	[8325, 3289]	11645	[11904, 11933]
2532	[4511, 4512]	5570	[1905, 6953]	8608	[10824, 2127]	11646	[9702, 12112]
2533	[4513, 4514]	5571	[8366, 7327]	8609	[10825, 46]	11647	[9595, 11879]
2534	[262, 1053]	5572	[805, 8367]	8610	[894, 2209]	11648	[303, 1678]
2535	[4515, 4516]	5573	[700, 8368]	8611	[10826, 6331]	11649	[8859, 9052]
2536	[4517, 4518]	5574	[2606, 7317]	8612	[7024, 3285]	11650	[1839, 5449]
2537	[1745, 1114]	5575	[8369, 8118]	8613	[7311, 10827]	11651	[4082, 4446]
2538	[4519, 4520]	5576	[7515, 3223]	8614	[6861, 2214]	11652	[8801, 8981]
2539	[4521, 4522]	5577	[8370, 3338]	8615	[10828, 6204]	11653	[10555, 12066]
2540	[4523, 4524]	5578	[3190, 8371]	8616	[3329, 10829]	11654	[4414, 4473]
2541	[4525, 4526]	5579	[8372, 8373]	8617	[2030, 7742]	11655	[12102, 5627]
2542	[4527, 4528]	5580	[8374, 8375]	8618	[7948, 1886]	11656	[4245, 10240]
2543	[4529, 4530]	5581	[6313, 7825]	8619	[10830, 7847]	11657	[4018, 4411]
2544	[4531, 4532]	5582	[1886, 8102]	8620	[6058, 10831]	11658	[5589, 9272]
2545	[4533, 4534]	5583	[7332, 8376]	8621	[8061, 10832]	11659	[9117, 11972]
2546	[4535, 3834]	5584	[6807, 2438]	8622	[6586, 2473]	11660	[4619, 1462]
2547	[4536, 4537]	5585	[7358, 7381]	8623	[3009, 8426]	11661	[10023, 5201]
2548	[3983, 4538]	5586	[7579, 7281]	8624	[7936, 7357]	11662	[10168, 5272]
2549	[4539, 4540]	5587	[8377, 8378]	8625	[6005, 10833]	11663	[10459, 4818]
2550	[4541, 4542]	5588	[6320, 8379]	8626	[6446, 10834]	11664	[89, 4374]
2551	[3496, 3639]	5589	[6312, 8380]	8627	[10835, 10836]	11665	[10604, 9022]
2552	[4543, 1825]	5590	[7880, 8381]	8628	[5948, 6289]	11666	[4345, 12118]
2553	[4544, 4545]	5591	[7863, 7517]	8629	[2466, 2542]	11667	[10219, 10393]
2554	[4546, 4547]	5592	[7481, 8382]	8630	[10837, 10838]	11668	[5277, 11957]
2555	[1216, 4548]	5593	[8383, 8384]	8631	[14, 10839]	11669	[10198, 12119]
2556	[4549, 4550]	5594	[5856, 8385]	8632	[10840, 10841]	11670	[9072, 9779]
2557	[4551, 4552]	5595	[915, 6399]	8633	[3237, 2981]	11671	[10440, 1722]
2558	[4553, 4554]	5596	[7679, 8386]	8634	[10842, 10843]	11672	[4402, 11912]
2559	[1705, 4555]	5597	[8387, 8388]	8635	[7743, 10844]	11673	[5629, 1586]
2560	[4556, 4557]	5598	[8389, 8390]	8636	[10845, 10846]	11674	[5317, 10599]
2561	[4558, 4559]	5599	[8391, 8392]	8637	[10847, 10848]	11675	[4385, 4814]
2562	[4504, 4560]	5600	[7713, 8393]	8638	[3046, 6592]	11676	[9653, 11884]
2563	[4561, 4562]	5601	[8394, 841]	8639	[7875, 10758]	11677	[9000, 9213]
2564	[4563, 1176]	5602	[2821, 8395]	8640	[6848, 10849]	11678	[5504, 9422]
2565	[4564, 4565]	5603	[7221, 8199]	8641	[5953, 8145]	11679	[8685, 5409]
2566	[4566, 4567]	5604	[8396, 5884]	8642	[7817, 10822]	11680	[1529, 1429]
2567	[4568, 4569]	5605	[8397, 8398]	8643	[6025, 7249]	11681	[10345, 4579]

2568	[4570, 4571]	5606	[6516, 8399]	8644	[8416, 8299]	11682	[3808, 5707]
2569	[4448, 4572]	5607	[8400, 8401]	8645	[2474, 794]	11683	[5571, 5041]
2570	[286, 4573]	5608	[854, 7146]	8646	[10850, 2362]	11684	[4333, 1083]
2571	[1515, 1833]	5609	[8402, 6725]	8647	[10851, 7141]	11685	[10294, 4632]
2572	[4574, 4575]	5610	[8403, 688]	8648	[5908, 10852]	11686	[5039, 9369]
2573	[4576, 4577]	5611	[599, 1938]	8649	[937, 6870]	11687	[5594, 5005]
2574	[4578, 4579]	5612	[8404, 6450]	8650	[2368, 668]	11688	[9723, 10668]
2575	[4580, 4268]	5613	[8405, 3331]	8651	[10853, 852]	11689	[1622, 9944]
2576	[4581, 4582]	5614	[6466, 3274]	8652	[7780, 10854]	11690	[12120, 9775]
2577	[4583, 4584]	5615	[8406, 8407]	8653	[7026, 2748]	11691	[5078, 9983]
2578	[4435, 4585]	5616	[3233, 7470]	8654	[10855, 3387]	11692	[9809, 9644]
2579	[4586, 4587]	5617	[8408, 7518]	8655	[10856, 3050]	11693	[9499, 1626]
2580	[4588, 4589]	5618	[5804, 6131]	8656	[10857, 5969]	11694	[4034, 11949]
2581	[4590, 4591]	5619	[8409, 7529]	8657	[878, 10858]	11695	[9530, 10706]
2582	[4592, 4593]	5620	[8410, 3005]	8658	[8420, 658]	11696	[3432, 5360]
2583	[483, 4250]	5621	[8411, 900]	8659	[6524, 10859]	11697	[1317, 3509]
2584	[4594, 4595]	5622	[1951, 2385]	8660	[10860, 6149]	11698	[12073, 5502]
2585	[4596, 4597]	5623	[6247, 3213]	8661	[2057, 512]	11699	[5406, 4053]
2586	[1073, 4598]	5624	[8412, 8413]	8662	[8300, 10861]	11700	[3580, 1105]
2587	[1372, 4599]	5625	[8414, 3038]	8663	[3317, 2619]	11701	[4381, 8716]
2588	[4600, 4601]	5626	[6971, 8415]	8664	[2030, 10862]	11702	[9428, 4125]
2589	[4602, 3888]	5627	[7865, 6423]	8665	[10863, 10864]	11703	[10026, 10475]
2590	[4603, 4604]	5628	[8416, 2950]	8666	[3346, 10865]	11704	[12002, 1551]
2591	[4605, 1563]	5629	[8417, 8418]	8667	[2571, 2632]	11705	[9490, 9508]
2592	[4606, 4607]	5630	[5930, 8419]	8668	[6711, 6826]	11706	[5115, 12042]
2593	[4608, 3810]	5631	[8420, 6698]	8669	[3163, 10866]	11707	[3651, 4071]
2594	[4609, 3812]	5632	[8421, 8422]	8670	[710, 2875]	11708	[10269, 12121]
2595	[4610, 4611]	5633	[6537, 8423]	8671	[10867, 10868]	11709	[4008, 4548]
2596	[3875, 4612]	5634	[8424, 3078]	8672	[2561, 8189]	11710	[9209, 4745]
2597	[4613, 1571]	5635	[8425, 8426]	8673	[8180, 7323]	11711	[4825, 1259]
2598	[4614, 4615]	5636	[8427, 6185]	8674	[7975, 10869]	11712	[10692, 12122]
2599	[3914, 4616]	5637	[8428, 2905]	8675	[10870, 2752]	11713	[1487, 9301]
2600	[4617, 4618]	5638	[2733, 8429]	8676	[6995, 54]	11714	[8980, 3624]
2601	[4112, 4619]	5639	[8430, 8431]	8677	[10871, 8108]	11715	[8671, 5322]
2602	[1835, 4620]	5640	[1990, 8432]	8678	[6836, 2371]	11716	[9907, 4104]
2603	[4621, 1327]	5641	[2181, 6575]	8679	[10872, 10873]	11717	[9730, 8563]
2604	[4622, 4623]	5642	[8433, 8434]	8680	[2172, 808]	11718	[4742, 1203]
2605	[4624, 4625]	5643	[2778, 8435]	8681	[6843, 10874]	11719	[325, 9923]
2606	[4626, 4627]	5644	[7961, 6865]	8682	[8210, 6731]	11720	[12004, 8707]
2607	[4628, 4629]	5645	[2634, 2360]	8683	[7784, 8186]	11721	[3534, 1152]
2608	[4630, 4631]	5646	[8436, 3116]	8684	[7465, 10875]	11722	[4895, 4767]
2609	[4632, 4633]	5647	[8437, 8438]	8685	[3255, 10876]	11723	[4030, 1576]
2610	[452, 4634]	5648	[7261, 6125]	8686	[10877, 10878]	11724	[8873, 8534]
2611	[4635, 4636]	5649	[7747, 6446]	8687	[7801, 10879]	11725	[12053, 5281]

2612	[4637, 4638]	5650	[2897, 6825]	8688	[10880, 6074]	11726	[9679, 5412]
2613	[4009, 4639]	5651	[8439, 6334]	8689	[10881, 10882]	11727	[11969, 1276]
2614	[4640, 4641]	5652	[7316, 8440]	8690	[8155, 777]	11728	[4814, 9285]
2615	[4642, 4643]	5653	[2683, 2995]	8691	[2703, 10883]	11729	[12111, 5030]
2616	[4644, 4645]	5654	[751, 6388]	8692	[10884, 8094]	11730	[8926, 12122]
2617	[1184, 4608]	5655	[5969, 8441]	8693	[10885, 2781]	11731	[96, 11928]
2618	[4646, 4312]	5656	[8442, 8134]	8694	[10886, 2909]	11732	[9215, 8625]
2619	[4647, 4648]	5657	[6864, 7962]	8695	[6656, 8040]	11733	[1522, 10570]
2620	[4649, 4650]	5658	[6658, 8443]	8696	[2127, 6103]	11734	[4286, 3904]
2621	[4651, 4652]	5659	[3168, 2123]	8697	[10887, 10888]	11735	[1181, 12103]
2622	[4653, 4654]	5660	[8444, 8445]	8698	[6305, 6519]	11736	[364, 3816]
2623	[4655, 1334]	5661	[8446, 8447]	8699	[8402, 959]	11737	[1323, 9972]
2624	[4656, 4657]	5662	[8448, 2779]	8700	[10773, 7496]	11738	[4461, 3405]
2625	[4627, 4658]	5663	[2373, 8449]	8701	[10889, 8430]	11739	[4314, 1230]
2626	[4659, 3441]	5664	[1975, 8450]	8702	[10890, 8192]	11740	[1779, 1714]
2627	[1334, 4660]	5665	[2805, 8451]	8703	[10891, 7519]	11741	[10376, 5671]
2628	[4661, 4662]	5666	[8452, 8453]	8704	[10892, 7608]	11742	[10349, 1181]
2629	[4663, 4285]	5667	[8454, 8455]	8705	[10893, 10894]	11743	[9108, 9117]
2630	[4664, 4665]	5668	[8456, 150]	8706	[2946, 7665]	11744	[10026, 4508]
2631	[4666, 4667]	5669	[8457, 8458]	8707	[10895, 10896]	11745	[9059, 1371]
2632	[3724, 4668]	5670	[6863, 6974]	8708	[7588, 2550]	11746	[10216, 5346]
2633	[4669, 4670]	5671	[8337, 8459]	8709	[7810, 855]	11747	[5214, 1390]
2634	[4671, 4672]	5672	[7531, 8460]	8710	[7301, 2965]	11748	[9884, 10219]
2635	[3456, 4673]	5673	[8405, 6006]	8711	[7072, 8196]	11749	[4422, 11932]
2636	[4674, 4498]	5674	[8461, 8421]	8712	[3170, 7657]	11750	[5390, 3418]
2637	[4675, 4676]	5675	[8250, 2620]	8713	[2233, 10897]	11751	[3856, 5188]
2638	[3733, 4677]	5676	[2714, 7593]	8714	[2163, 56]	11752	[1689, 12016]
2639	[4678, 4679]	5677	[2818, 7355]	8715	[506, 10898]	11753	[1601, 4202]
2640	[4680, 4681]	5678	[3079, 8462]	8716	[225, 10899]	11754	[9862, 8829]
2641	[1530, 4682]	5679	[853, 624]	8717	[954, 197]	11755	[373, 10597]
2642	[4683, 4684]	5680	[6212, 8342]	8718	[7738, 6643]	11756	[9388, 8578]
2643	[3689, 4443]	5681	[966, 1893]	8719	[903, 10763]	11757	[10684, 10139]
2644	[1370, 4685]	5682	[3350, 8463]	8720	[8317, 10900]	11758	[10197, 4632]
2645	[4686, 4687]	5683	[8390, 3269]	8721	[8007, 10901]	11759	[10047, 9874]
2646	[4688, 4689]	5684	[8464, 8465]	8722	[10902, 10903]	11760	[9785, 10616]
2647	[4690, 4691]	5685	[8466, 8347]	8723	[3280, 2075]	11761	[5329, 4952]
2648	[4692, 4693]	5686	[8404, 8115]	8724	[7740, 5937]	11762	[10039, 1443]
2649	[4694, 4695]	5687	[6581, 6078]	8725	[10904, 8347]	11763	[5319, 9895]
2650	[4696, 4697]	5688	[608, 800]	8726	[7187, 6634]	11764	[9238, 1618]
2651	[4698, 4699]	5689	[3195, 6469]	8727	[6564, 10881]	11765	[4973, 10157]
2652	[4700, 4701]	5690	[8467, 2489]	8728	[7965, 10905]	11766	[10560, 9625]
2653	[4702, 4703]	5691	[8000, 8468]	8729	[3011, 6987]	11767	[458, 12060]
2654	[4704, 3872]	5692	[8469, 7433]	8730	[7033, 8208]	11768	[9589, 10644]
2655	[4705, 4706]	5693	[6881, 2156]	8731	[10906, 8133]	11769	[449, 1544]

2656	[4707, 483]	5694	[8470, 8042]	8732	[2738, 235]	11770	[10685, 3860]
2657	[4708, 4709]	5695	[8073, 7228]	8733	[10907, 10805]	11771	[1325, 9089]
2658	[1175, 4710]	5696	[2656, 8307]	8734	[2774, 5863]	11772	[109, 10410]
2659	[4711, 4712]	5697	[516, 8471]	8735	[2769, 8393]	11773	[5103, 3605]
2660	[4713, 4714]	5698	[7528, 8472]	8736	[2461, 10908]	11774	[1386, 10112]
2661	[4715, 3789]	5699	[8473, 8474]	8737	[648, 3252]	11775	[1399, 5407]
2662	[4716, 4717]	5700	[8475, 7656]	8738	[10810, 6537]	11776	[1180, 5675]
2663	[4718, 3792]	5701	[890, 2510]	8739	[6731, 10909]	11777	[3980, 1194]
2664	[4719, 1856]	5702	[8476, 8477]	8740	[10910, 3242]	11778	[9861, 9218]
2665	[4720, 1835]	5703	[3052, 3129]	8741	[10911, 3199]	11779	[9599, 9876]
2666	[4721, 4722]	5704	[8002, 8478]	8742	[10912, 1921]	11780	[12123, 9476]
2667	[4615, 4723]	5705	[8479, 6623]	8743	[6329, 2094]	11781	[4620, 10019]
2668	[1152, 4724]	5706	[7480, 8480]	8744	[2175, 10913]	11782	[4563, 4429]
2669	[271, 4725]	5707	[8481, 7725]	8745	[10914, 10915]	11783	[12123, 10555]
2670	[4583, 4726]	5708	[2648, 8482]	8746	[810, 61]	11784	[5061, 1393]
2671	[4727, 4728]	5709	[5953, 1990]	8747	[6967, 10916]	11785	[9230, 10729]
2672	[4729, 4730]	5710	[8483, 8484]	8748	[10917, 10918]	11786	[10151, 4639]
2673	[4731, 4732]	5711	[7491, 5875]	8749	[2201, 3052]	11787	[1026, 3660]
2674	[4733, 3519]	5712	[7137, 895]	8750	[127, 8261]	11788	[10166, 10672]
2675	[4734, 4735]	5713	[8485, 8486]	8751	[553, 10919]	11789	[9945, 3889]
2676	[4736, 4737]	5714	[6214, 3063]	8752	[7640, 7763]	11790	[3693, 9484]
2677	[4738, 3922]	5715	[8487, 8488]	8753	[10920, 7437]	11791	[12082, 4275]
2678	[4739, 4740]	5716	[2109, 732]	8754	[6216, 5843]	11792	[4402, 8830]
2679	[4741, 1322]	5717	[7395, 5809]	8755	[181, 2795]	11793	[5577, 1825]
2680	[4742, 4743]	5718	[8489, 6557]	8756	[7920, 7982]	11794	[3788, 12113]
2681	[4744, 4745]	5719	[8490, 8491]	8757	[10921, 10846]	11795	[9049, 10609]
2682	[4100, 4746]	5720	[8492, 8493]	8758	[6075, 10922]	11796	[12124, 9303]
2683	[1069, 4747]	5721	[6395, 2179]	8759	[10923, 10924]	11797	[10065, 10118]
2684	[4748, 1102]	5722	[6349, 8277]	8760	[10925, 48]	11798	[5384, 8916]
2685	[4749, 4750]	5723	[8494, 8495]	8761	[6802, 10926]	11799	[10439, 11907]
2686	[4751, 3530]	5724	[8496, 3159]	8762	[10927, 7194]	11800	[1705, 9121]
2687	[4752, 1412]	5725	[8497, 3389]	8763	[6394, 1907]	11801	[12108, 5174]
2688	[1342, 1605]	5726	[8498, 2903]	8764	[3258, 2863]	11802	[4685, 1563]
2689	[4068, 120]	5727	[8499, 8500]	8765	[10928, 8453]	11803	[9430, 8965]
2690	[4753, 4754]	5728	[5821, 5769]	8766	[2604, 10929]	11804	[4172, 12010]
2691	[4755, 4756]	5729	[8501, 8502]	8767	[7911, 10930]	11805	[10029, 1312]
2692	[3450, 4757]	5730	[8503, 8504]	8768	[2356, 2379]	11806	[4712, 4458]
2693	[4758, 4759]	5731	[8505, 8506]	8769	[10931, 10932]	11807	[12024, 1272]
2694	[4760, 4761]	5732	[6984, 8507]	8770	[10933, 723]	11808	[1731, 9439]
2695	[1552, 4762]	5733	[8508, 2868]	8771	[5854, 10934]	11809	[10369, 1744]
2696	[4763, 4764]	5734	[8389, 3268]	8772	[7667, 10935]	11810	[1183, 5454]
2697	[4194, 4765]	5735	[1872, 6265]	8773	[7895, 1914]	11811	[11905, 10497]
2698	[4766, 1092]	5736	[3209, 7227]	8774	[10936, 6088]	11812	[3862, 4698]
2699	[4767, 4768]	5737	[6928, 8509]	8775	[10937, 6096]	11813	[9710, 9669]

2700	[4769, 4696]	5738	[8510, 8511]	8776	[250, 7500]	11814	[9020, 3817]
2701	[4770, 3920]	5739	[8512, 8513]	8777	[8245, 803]	11815	[10725, 10391]
2702	[4771, 4772]	5740	[2788, 2805]	8778	[10938, 10939]	11816	[1327, 9335]
2703	[4773, 1206]	5741	[8514, 4383]	8779	[2000, 10940]	11817	[5214, 8741]
2704	[1653, 4774]	5742	[8515, 8516]	8780	[6319, 8184]	11818	[1482, 349]
2705	[1459, 4775]	5743	[8517, 8518]	8781	[6544, 3189]	11819	[10333, 10627]
2706	[4776, 4777]	5744	[5702, 8519]	8782	[7180, 2821]	11820	[1025, 10510]
2707	[4778, 4779]	5745	[1631, 8520]	8783	[8455, 10941]	11821	[1229, 4315]
2708	[4780, 430]	5746	[1764, 4427]	8784	[7663, 204]	11822	[3443, 12079]
2709	[4781, 4782]	5747	[8521, 375]	8785	[8347, 7004]	11823	[3497, 3640]
2710	[4783, 4784]	5748	[1185, 4183]	8786	[10942, 3382]	11824	[1257, 4359]
2711	[4785, 4786]	5749	[5728, 1076]	8787	[10943, 10944]	11825	[3817, 11987]
2712	[1272, 4787]	5750	[5052, 8522]	8788	[10945, 10946]	11826	[3439, 9003]
2713	[4788, 4789]	5751	[8523, 5614]	8789	[6654, 6779]	11827	[3896, 5447]
2714	[399, 4790]	5752	[3725, 8524]	8790	[10947, 10948]	11828	[12125, 10464]
2715	[4308, 4791]	5753	[5580, 8525]	8791	[10949, 10950]	11829	[10580, 10733]
2716	[3503, 4792]	5754	[5517, 1203]	8792	[8363, 10951]	11830	[10736, 3471]
2717	[4793, 367]	5755	[8526, 8527]	8793	[2709, 2120]	11831	[12126, 12127]
2718	[4794, 4795]	5756	[8528, 8529]	8794	[722, 6196]	11832	[5410, 5340]
2719	[4796, 4797]	5757	[4842, 8530]	8795	[3171, 10952]	11833	[9828, 5408]
2720	[4798, 4788]	5758	[8531, 8532]	8796	[7904, 5977]	11834	[4727, 1115]
2721	[4799, 4800]	5759	[3708, 4590]	8797	[3298, 10953]	11835	[4783, 4860]
2722	[4801, 4802]	5760	[4354, 8533]	8798	[7273, 10916]	11836	[11922, 5082]
2723	[1120, 3638]	5761	[8534, 8535]	8799	[10954, 7480]	11837	[8720, 4182]
2724	[4803, 4804]	5762	[4357, 8521]	8800	[916, 2668]	11838	[9302, 4992]
2725	[4025, 4805]	5763	[8536, 8537]	8801	[10955, 10956]	11839	[3888, 4322]
2726	[4806, 4807]	5764	[8538, 8539]	8802	[10957, 10929]	11840	[9337, 8995]
2727	[1665, 4808]	5765	[1491, 8540]	8803	[6370, 7627]	11841	[4400, 10731]
2728	[4809, 4810]	5766	[8541, 8542]	8804	[7521, 858]	11842	[10102, 10273]
2729	[4811, 4812]	5767	[8543, 8544]	8805	[10958, 10959]	11843	[1602, 5035]
2730	[4813, 4814]	5768	[8545, 8546]	8806	[10960, 10961]	11844	[5193, 4213]
2731	[4815, 4816]	5769	[8547, 8548]	8807	[2739, 10962]	11845	[105, 5085]
2732	[4817, 4818]	5770	[8549, 8550]	8808	[888, 10963]	11846	[11919, 5066]
2733	[4819, 4820]	5771	[8551, 8552]	8809	[6731, 10964]	11847	[9661, 9826]
2734	[4821, 4822]	5772	[8553, 8554]	8810	[6074, 1988]	11848	[4961, 11922]
2735	[4823, 4824]	5773	[8555, 1543]	8811	[3193, 10965]	11849	[4905, 11986]
2736	[4825, 4826]	5774	[8556, 8557]	8812	[944, 10918]	11850	[9807, 4324]
2737	[4827, 283]	5775	[8558, 8559]	8813	[10966, 3342]	11851	[5165, 12015]
2738	[4828, 4829]	5776	[8560, 73]	8814	[7982, 6323]	11852	[8992, 9075]
2739	[4830, 4831]	5777	[4280, 8561]	8815	[8233, 10967]	11853	[4334, 9138]
2740	[4832, 4833]	5778	[8562, 444]	8816	[632, 7670]	11854	[9952, 3863]
2741	[4834, 4835]	5779	[8563, 3672]	8817	[7305, 7197]	11855	[12124, 4992]
2742	[283, 4836]	5780	[4143, 8564]	8818	[10968, 10969]	11856	[10107, 8594]
2743	[4837, 4838]	5781	[4319, 8565]	8819	[10970, 10807]	11857	[12052, 4754]

2744	[4839, 4840]	5782	[8566, 8567]	8820	[2394, 7004]	11858	[9956, 1296]
2745	[4841, 4842]	5783	[8568, 8569]	8821	[10971, 10972]	11859	[12120, 5681]
2746	[4843, 4844]	5784	[8570, 8571]	8822	[6063, 10973]	11860	[8979, 4895]
2747	[4244, 4845]	5785	[8572, 8573]	8823	[10974, 10975]	11861	[382, 10504]
2748	[4846, 391]	5786	[8574, 8575]	8824	[10976, 10977]	11862	[10492, 10555]
2749	[4596, 4847]	5787	[8576, 481]	8825	[10978, 10979]	11863	[10515, 10231]
2750	[4848, 3742]	5788	[273, 8577]	8826	[6308, 6495]	11864	[9630, 12063]
2751	[4849, 4850]	5789	[8578, 5466]	8827	[10980, 5774]	11865	[12128, 2973]
2752	[4851, 4852]	5790	[8579, 8580]	8828	[10981, 10982]	11866	[7500, 3130]
2753	[4853, 4854]	5791	[5519, 8581]	8829	[10983, 3383]	11867	[5763, 721]
2754	[400, 4855]	5792	[3416, 8582]	8830	[6584, 10984]	11868	[2043, 6187]
2755	[4856, 4857]	5793	[8583, 4516]	8831	[8234, 10985]	11869	[7648, 8124]
2756	[3549, 4858]	5794	[8584, 8585]	8832	[6815, 8104]	11870	[7194, 7765]
2757	[4859, 4860]	5795	[8586, 4780]	8833	[10986, 7688]	11871	[11067, 11669]
2758	[4861, 4862]	5796	[8587, 8588]	8834	[10875, 6162]	11872	[6921, 152]
2759	[4863, 3642]	5797	[3662, 8589]	8835	[10917, 945]	11873	[8258, 6540]
2760	[4864, 1238]	5798	[8590, 5277]	8836	[7797, 10987]	11874	[2660, 11724]
2761	[4865, 1735]	5799	[8591, 4451]	8837	[2154, 6676]	11875	[8396, 2998]
2762	[4866, 4867]	5800	[4934, 8592]	8838	[589, 10988]	11876	[11863, 11765]
2763	[4868, 3900]	5801	[8593, 8594]	8839	[591, 8093]	11877	[3074, 6484]
2764	[4869, 4870]	5802	[5127, 3759]	8840	[10989, 6847]	11878	[6058, 10859]
2765	[1561, 4871]	5803	[8595, 8596]	8841	[8046, 10990]	11879	[8232, 952]
2766	[4872, 4873]	5804	[8597, 1205]	8842	[847, 10991]	11880	[7991, 11712]
2767	[4303, 4874]	5805	[8598, 8599]	8843	[10944, 2277]	11881	[2352, 2935]
2768	[3932, 4587]	5806	[5452, 8600]	8844	[10992, 1899]	11882	[2640, 222]
2769	[4875, 4876]	5807	[8601, 8602]	8845	[5980, 2864]	11883	[7920, 718]
2770	[345, 4877]	5808	[8603, 4603]	8846	[10993, 10994]	11884	[12129, 6422]
2771	[4878, 4867]	5809	[8604, 8605]	8847	[6706, 10995]	11885	[11539, 8086]
2772	[4879, 4880]	5810	[8606, 8607]	8848	[7415, 8061]	11886	[7179, 11493]
2773	[4881, 4882]	5811	[5006, 4846]	8849	[10996, 10997]	11887	[11805, 11588]
2774	[4883, 4884]	5812	[5699, 4898]	8850	[1882, 10998]	11888	[1920, 8175]
2775	[4885, 74]	5813	[3682, 8608]	8851	[3092, 7427]	11889	[934, 11806]
2776	[4095, 4886]	5814	[8609, 5508]	8852	[763, 634]	11890	[7294, 11804]
2777	[4887, 4888]	5815	[8610, 1523]	8853	[6037, 10915]	11891	[7561, 6248]
2778	[4889, 3869]	5816	[8611, 8612]	8854	[10999, 7757]	11892	[7646, 6425]
2779	[4890, 4891]	5817	[8613, 8614]	8855	[10898, 7317]	11893	[6891, 6497]
2780	[4892, 4893]	5818	[8615, 8616]	8856	[7215, 11000]	11894	[2437, 8251]
2781	[4894, 4423]	5819	[8617, 4582]	8857	[3294, 7920]	11895	[7656, 3171]
2782	[4895, 3624]	5820	[3677, 8618]	8858	[8179, 2715]	11896	[7871, 10752]
2783	[4896, 3517]	5821	[4016, 8619]	8859	[11001, 11002]	11897	[12130, 7576]
2784	[4897, 4898]	5822	[8620, 5331]	8860	[11003, 154]	11898	[11275, 11340]
2785	[73, 4899]	5823	[8621, 4416]	8861	[11004, 2700]	11899	[11328, 7675]
2786	[4900, 4901]	5824	[8622, 1304]	8862	[2718, 2945]	11900	[7616, 11860]
2787	[4902, 4903]	5825	[8623, 8624]	8863	[11005, 11006]	11901	[11470, 194]

2788	[1558, 979]	5826	[1819, 1360]	8864	[11007, 11008]	11902	[542, 11330]
2789	[1480, 4560]	5827	[4391, 8625]	8865	[10853, 2820]	11903	[2759, 1964]
2790	[4904, 4905]	5828	[4239, 8626]	8866	[828, 7188]	11904	[2985, 12131]
2791	[4906, 4907]	5829	[5004, 8627]	8867	[7843, 8220]	11905	[10851, 956]
2792	[4908, 4909]	5830	[4083, 8628]	8868	[11009, 7845]	11906	[8035, 5805]
2793	[4261, 4910]	5831	[8629, 8630]	8869	[11010, 6888]	11907	[3034, 11515]
2794	[4911, 4000]	5832	[8631, 8632]	8870	[11011, 6527]	11908	[7195, 3365]
2795	[4912, 4913]	5833	[8633, 8546]	8871	[7251, 970]	11909	[8053, 2306]
2796	[4914, 4915]	5834	[8634, 4334]	8872	[129, 7871]	11910	[8013, 2642]
2797	[4117, 1328]	5835	[5499, 3716]	8873	[8435, 11012]	11911	[11664, 6843]
2798	[4916, 4917]	5836	[8635, 4802]	8874	[11013, 6500]	11912	[11256, 7900]
2799	[4639, 4918]	5837	[462, 8636]	8875	[612, 2350]	11913	[595, 7372]
2800	[4591, 4919]	5838	[8637, 8638]	8876	[10902, 11014]	11914	[2271, 2665]
2801	[4920, 348]	5839	[8639, 8640]	8877	[10756, 11015]	11915	[5818, 2142]
2802	[4921, 4922]	5840	[8641, 8642]	8878	[11016, 11017]	11916	[3359, 8310]
2803	[4923, 4924]	5841	[8643, 8644]	8879	[8168, 11018]	11917	[12132, 3170]
2804	[4925, 4926]	5842	[8645, 3647]	8880	[1968, 7103]	11918	[673, 3319]
2805	[4903, 4927]	5843	[8646, 8647]	8881	[11019, 11020]	11919	[11849, 3201]
2806	[4928, 4853]	5844	[4930, 4160]	8882	[8511, 11021]	11920	[909, 7134]
2807	[1717, 4929]	5845	[8648, 8649]	8883	[931, 6436]	11921	[3063, 6547]
2808	[4930, 4931]	5846	[8650, 8651]	8884	[11022, 11023]	11922	[12133, 11831]
2809	[4932, 1427]	5847	[107, 3585]	8885	[10806, 11024]	11923	[5755, 653]
2810	[3894, 4933]	5848	[8652, 4060]	8886	[11025, 11026]	11924	[11390, 6719]
2811	[4934, 4935]	5849	[5038, 8653]	8887	[7540, 8199]	11925	[6402, 7172]
2812	[4743, 1204]	5850	[8654, 8655]	8888	[11027, 164]	11926	[11857, 7400]
2813	[4936, 4318]	5851	[8656, 8657]	8889	[3022, 8172]	11927	[7437, 687]
2814	[4937, 4938]	5852	[1825, 3559]	8890	[11028, 11029]	11928	[191, 11226]
2815	[4939, 4940]	5853	[8658, 1623]	8891	[3356, 6221]	11929	[11451, 2807]
2816	[4941, 4942]	5854	[8659, 8660]	8892	[11030, 11031]	11930	[2922, 7063]
2817	[4184, 4943]	5855	[4076, 5138]	8893	[3068, 11032]	11931	[6236, 5859]
2818	[4944, 4945]	5856	[8661, 8662]	8894	[7928, 2011]	11932	[7669, 6561]
2819	[4946, 1647]	5857	[1040, 70]	8895	[11033, 11034]	11933	[7588, 7877]
2820	[4947, 4948]	5858	[1559, 3484]	8896	[7626, 6371]	11934	[11248, 11368]
2821	[4949, 4950]	5859	[8663, 8664]	8897	[11035, 754]	11935	[2352, 7711]
2822	[4951, 4952]	5860	[8665, 5432]	8898	[3033, 567]	11936	[2733, 11841]
2823	[4953, 3833]	5861	[8666, 4114]	8899	[11036, 11037]	11937	[6453, 11635]
2824	[4954, 4955]	5862	[4999, 4531]	8900	[7646, 11038]	11938	[655, 7384]
2825	[4956, 4957]	5863	[8667, 8668]	8901	[10861, 10770]	11939	[6167, 2487]
2826	[3781, 4073]	5864	[4764, 8669]	8902	[2421, 7819]	11940	[2007, 10807]
2827	[4958, 4959]	5865	[4765, 8670]	8903	[2038, 6465]	11941	[7132, 11097]
2828	[4960, 4960]	5866	[3972, 4673]	8904	[11039, 6724]	11942	[11858, 11839]
2829	[4961, 4962]	5867	[8671, 3777]	8905	[2965, 11040]	11943	[7324, 6220]
2830	[4963, 4021]	5868	[8672, 8673]	8906	[2509, 2592]	11944	[6524, 10831]
2831	[4964, 4965]	5869	[1500, 8674]	8907	[826, 11041]	11945	[3143, 2846]

2832	[3680, 4966]	5870	[5739, 8675]	8908	[8258, 8352]	11946	[8408, 10891]
2833	[4967, 1176]	5871	[8676, 8677]	8909	[11042, 950]	11947	[12134, 7057]
2834	[4968, 4969]	5872	[8678, 8679]	8910	[11043, 11044]	11948	[6190, 7812]
2835	[3675, 4970]	5873	[8680, 8681]	8911	[6343, 2344]	11949	[12135, 6859]
2836	[4971, 4972]	5874	[3709, 309]	8912	[6204, 11045]	11950	[12132, 7656]
2837	[4973, 4974]	5875	[4545, 4207]	8913	[2777, 7457]	11951	[3096, 11229]
2838	[4975, 4976]	5876	[8682, 5620]	8914	[6511, 2054]	11952	[6597, 11478]
2839	[4977, 4837]	5877	[5633, 8683]	8915	[11046, 5963]	11953	[2641, 2351]
2840	[4079, 4841]	5878	[8684, 8685]	8916	[11047, 11048]	11954	[6579, 3015]
2841	[4978, 4472]	5879	[8686, 8687]	8917	[2863, 6313]	11955	[8333, 6901]
2842	[4979, 4980]	5880	[8688, 8689]	8918	[6169, 11049]	11956	[3222, 2479]
2843	[1802, 4981]	5881	[8690, 8691]	8919	[7540, 3221]	11957	[6910, 6987]
2844	[4982, 4983]	5882	[1216, 5147]	8920	[11050, 7957]	11958	[10871, 137]
2845	[4984, 4985]	5883	[8692, 8693]	8921	[8140, 8127]	11959	[6101, 10932]
2846	[4986, 4813]	5884	[8600, 8694]	8922	[931, 11051]	11960	[3245, 2405]
2847	[3734, 4987]	5885	[8695, 8696]	8923	[139, 11052]	11961	[8276, 8243]
2848	[4988, 4413]	5886	[8697, 1410]	8924	[141, 6237]	11962	[7763, 581]
2849	[4500, 4989]	5887	[4713, 8698]	8925	[3037, 11053]	11963	[2011, 6181]
2850	[4502, 4990]	5888	[8699, 8700]	8926	[10944, 2855]	11964	[3287, 6752]
2851	[4991, 4742]	5889	[8701, 8702]	8927	[8357, 7498]	11965	[11452, 12136]
2852	[1429, 4682]	5890	[8703, 8704]	8928	[5814, 10990]	11966	[8042, 2663]
2853	[4992, 4993]	5891	[8705, 8706]	8929	[10989, 6067]	11967	[8035, 3310]
2854	[4994, 4995]	5892	[8707, 3759]	8930	[11054, 2709]	11968	[10956, 12137]
2855	[4996, 4997]	5893	[8708, 4625]	8931	[574, 11055]	11969	[780, 7932]
2856	[4998, 432]	5894	[5595, 8709]	8932	[11056, 8]	11970	[7177, 11769]
2857	[4999, 1339]	5895	[4546, 1650]	8933	[7705, 8109]	11971	[8163, 5767]
2858	[5000, 5001]	5896	[1434, 4591]	8934	[1943, 11057]	11972	[12130, 7132]
2859	[1536, 5002]	5897	[4776, 3969]	8935	[11058, 11059]	11973	[11237, 3169]
2860	[5003, 1351]	5898	[8710, 8711]	8936	[7783, 6195]	11974	[6126, 11705]
2861	[5004, 5005]	5899	[93, 8712]	8937	[6535, 8399]	11975	[8080, 901]
2862	[4534, 5006]	5900	[4752, 5066]	8938	[3119, 6868]	11976	[11306, 2525]
2863	[5007, 5008]	5901	[8713, 8714]	8939	[2673, 11060]	11977	[7023, 11319]
2864	[5009, 5010]	5902	[8715, 8716]	8940	[6176, 6581]	11978	[6554, 2473]
2865	[5011, 5012]	5903	[3820, 5718]	8941	[7087, 8331]	11979	[11800, 2578]
2866	[4518, 5013]	5904	[8717, 8718]	8942	[8370, 7792]	11980	[7929, 6390]
2867	[5014, 5015]	5905	[8719, 1775]	8943	[2939, 7251]	11981	[11239, 11503]
2868	[5016, 5017]	5906	[8720, 1639]	8944	[7800, 11061]	11982	[7968, 11707]
2869	[5018, 5019]	5907	[4396, 4219]	8945	[8022, 11062]	11983	[2558, 2670]
2870	[5020, 5021]	5908	[8721, 8722]	8946	[11063, 8412]	11984	[6603, 10839]
2871	[5022, 5023]	5909	[8723, 3925]	8947	[5769, 7187]	11985	[6782, 11575]
2872	[5024, 5025]	5910	[8724, 114]	8948	[11064, 7744]	11986	[12138, 12139]
2873	[5026, 5027]	5911	[409, 8725]	8949	[2854, 11065]	11987	[128, 8295]
2874	[5028, 5029]	5912	[3469, 1379]	8950	[2232, 7197]	11988	[11606, 2231]
2875	[5030, 5031]	5913	[4448, 8726]	8951	[11066, 11067]	11989	[3032, 6519]

2876	[5032, 5033]	5914	[8727, 8728]	8952	[11068, 11069]	11990	[6655, 2781]
2877	[5034, 5035]	5915	[8729, 8730]	8953	[7518, 11070]	11991	[11757, 12140]
2878	[5036, 5037]	5916	[8731, 8732]	8954	[8479, 3148]	11992	[11064, 10844]
2879	[5038, 1067]	5917	[5623, 5227]	8955	[7954, 7153]	11993	[11426, 7303]
2880	[1695, 3921]	5918	[5701, 8733]	8956	[2496, 7230]	11994	[616, 8250]
2881	[1699, 5039]	5919	[8734, 3667]	8957	[11071, 11072]	11995	[8076, 7033]
2882	[5040, 5041]	5920	[1571, 8735]	8958	[8339, 10926]	11996	[12134, 2955]
2883	[4932, 3513]	5921	[8736, 8737]	8959	[3134, 6611]	11997	[11007, 2115]
2884	[5042, 5043]	5922	[4814, 4837]	8960	[3290, 11073]	11998	[6884, 3342]
2885	[5044, 1473]	5923	[8738, 5632]	8961	[11074, 764]	11999	[7971, 5872]
2886	[5045, 4536]	5924	[8739, 8740]	8962	[11075, 7093]	12000	[12141, 2958]
2887	[1305, 4422]	5925	[5422, 4243]	8963	[2775, 7573]	12001	[6516, 6536]
2888	[4907, 5046]	5926	[8741, 8742]	8964	[10785, 11076]	12002	[2032, 8306]
2889	[4520, 3931]	5927	[3440, 8743]	8965	[7216, 2128]	12003	[11338, 11847]
2890	[5047, 4487]	5928	[8744, 8745]	8966	[249, 7357]	12004	[11793, 952]
2891	[5048, 4545]	5929	[8746, 4810]	8967	[6268, 6009]	12005	[7941, 11159]
2892	[5049, 5050]	5930	[8747, 8748]	8968	[11011, 7138]	12006	[11355, 2421]
2893	[5051, 5052]	5931	[8749, 5702]	8969	[5873, 7414]	12007	[5984, 5792]
2894	[5053, 5054]	5932	[8750, 8751]	8970	[2708, 216]	12008	[8390, 6580]
2895	[1425, 5055]	5933	[1555, 8752]	8971	[2032, 2656]	12009	[11196, 11448]
2896	[5056, 5057]	5934	[8753, 4666]	8972	[6264, 2881]	12010	[6828, 7300]
2897	[5058, 5059]	5935	[8754, 8755]	8973	[6014, 7640]	12011	[8042, 2133]
2898	[5060, 5061]	5936	[5091, 8756]	8974	[11077, 1961]	12012	[7567, 7369]
2899	[5062, 5063]	5937	[8757, 1756]	8975	[11078, 8330]	12013	[7566, 12142]
2900	[5064, 5065]	5938	[3621, 8758]	8976	[5822, 1919]	12014	[11827, 6220]
2901	[5066, 5067]	5939	[8759, 8760]	8977	[7937, 2948]	12015	[3212, 6025]
2902	[5068, 5069]	5940	[8761, 8762]	8978	[11079, 6261]	12016	[1892, 2634]
2903	[5070, 5071]	5941	[8763, 8764]	8979	[2579, 11080]	12017	[8252, 12131]
2904	[4905, 1844]	5942	[348, 5205]	8980	[11081, 6083]	12018	[8267, 3238]
2905	[5072, 5073]	5943	[8765, 8766]	8981	[11082, 2962]	12019	[8426, 10897]
2906	[5074, 5075]	5944	[8767, 8768]	8982	[11083, 881]	12020	[5872, 10780]
2907	[1638, 1335]	5945	[5335, 4101]	8983	[11071, 11084]	12021	[7276, 907]
2908	[5076, 4790]	5946	[8769, 396]	8984	[11085, 11086]	12022	[5923, 8035]
2909	[5077, 5078]	5947	[4911, 8770]	8985	[10972, 11087]	12023	[2271, 11684]
2910	[3883, 5079]	5948	[1756, 3979]	8986	[7468, 907]	12024	[10919, 2418]
2911	[3629, 4592]	5949	[8771, 8772]	8987	[10968, 11088]	12025	[3095, 11009]
2912	[5080, 5081]	5950	[8773, 999]	8988	[8143, 11089]	12026	[6730, 11361]
2913	[4962, 5082]	5951	[8774, 1192]	8989	[11090, 6163]	12027	[737, 2852]
2914	[4250, 1028]	5952	[8775, 3633]	8990	[2210, 7177]	12028	[2971, 821]
2915	[5083, 5084]	5953	[8776, 8777]	8991	[10792, 7437]	12029	[6736, 11277]
2916	[273, 5085]	5954	[8778, 8779]	8992	[10956, 11091]	12030	[11315, 6966]
2917	[5086, 5087]	5955	[8780, 8781]	8993	[11092, 6643]	12031	[2135, 7793]
2918	[5088, 5089]	5956	[8782, 4484]	8994	[11093, 1859]	12032	[2066, 2202]
2919	[1739, 5026]	5957	[8783, 8784]	8995	[11094, 11095]	12033	[7061, 6149]

2920	[5090, 5091]	5958	[8785, 8786]	8996	[5819, 11096]	12034	[10850, 6828]
2921	[5092, 408]	5959	[8787, 8788]	8997	[8262, 2980]	12035	[6844, 2509]
2922	[5093, 5094]	5960	[3877, 8789]	8998	[7576, 11097]	12036	[7456, 2778]
2923	[5095, 5096]	5961	[8790, 8791]	8999	[3196, 7952]	12037	[745, 11507]
2924	[4003, 5097]	5962	[4162, 1292]	9000	[555, 3240]	12038	[749, 11771]
2925	[3907, 5098]	5963	[8792, 8586]	9001	[8316, 6669]	12039	[10793, 11406]
2926	[4672, 5099]	5964	[5509, 8793]	9002	[11098, 10879]	12040	[5975, 6558]
2927	[5100, 1346]	5965	[3652, 8794]	9003	[11099, 11100]	12041	[525, 3312]
2928	[5101, 5102]	5966	[8795, 8796]	9004	[11101, 8243]	12042	[5824, 668]
2929	[5103, 1358]	5967	[1088, 1767]	9005	[10810, 2249]	12043	[11393, 6538]
2930	[1111, 481]	5968	[8797, 8798]	9006	[11102, 128]	12044	[11401, 6596]
2931	[5104, 5105]	5969	[8799, 8800]	9007	[2942, 6887]	12045	[12143, 12144]
2932	[3638, 5106]	5970	[5089, 1258]	9008	[8145, 1991]	12046	[8113, 8076]
2933	[5107, 5108]	5971	[4530, 8801]	9009	[11103, 11104]	12047	[12145, 10927]
2934	[4682, 5109]	5972	[8802, 377]	9010	[7759, 1905]	12048	[10769, 209]
2935	[4684, 3417]	5973	[8803, 8804]	9011	[11105, 10878]	12049	[586, 890]
2936	[4273, 5110]	5974	[1769, 8805]	9012	[11106, 11107]	12050	[11770, 6789]
2937	[4034, 5111]	5975	[4356, 8806]	9013	[1897, 7435]	12051	[8162, 5766]
2938	[5112, 461]	5976	[5015, 8807]	9014	[11108, 7488]	12052	[7917, 11025]
2939	[5113, 5114]	5977	[8808, 5390]	9015	[11109, 2580]	12053	[6764, 7287]
2940	[5115, 5116]	5978	[1518, 8809]	9016	[3151, 7018]	12054	[6365, 6797]
2941	[5117, 5118]	5979	[4601, 5585]	9017	[11110, 11111]	12055	[7657, 11190]
2942	[5119, 5120]	5980	[8689, 8810]	9018	[11112, 2817]	12056	[11386, 2985]
2943	[5121, 4593]	5981	[8694, 8811]	9019	[6003, 11113]	12057	[6460, 7863]
2944	[5122, 4482]	5982	[8812, 8813]	9020	[6330, 11114]	12058	[6003, 11815]
2945	[5123, 456]	5983	[8814, 8815]	9021	[6332, 7484]	12059	[7777, 2664]
2946	[5124, 5125]	5984	[1065, 8816]	9022	[11115, 7362]	12060	[6350, 2322]
2947	[5126, 5127]	5985	[8817, 5212]	9023	[3296, 2433]	12061	[8200, 2225]
2948	[5128, 5129]	5986	[8818, 3621]	9024	[7464, 8176]	12062	[2831, 11150]
2949	[5130, 5131]	5987	[1286, 8819]	9025	[11042, 7816]	12063	[10857, 7066]
2950	[3738, 5132]	5988	[1531, 8820]	9026	[7178, 788]	12064	[853, 6962]
2951	[5133, 5134]	5989	[4247, 8821]	9027	[6870, 11116]	12065	[8323, 12146]
2952	[5135, 5136]	5990	[3595, 8822]	9028	[7203, 11117]	12066	[10947, 6727]
2953	[1486, 5137]	5991	[8823, 8824]	9029	[8158, 1871]	12067	[2095, 11780]
2954	[5138, 5139]	5992	[4686, 5224]	9030	[6222, 7706]	12068	[1883, 8468]
2955	[5140, 3695]	5993	[3820, 8628]	9031	[11118, 5842]	12069	[5820, 8011]
2956	[5141, 5142]	5994	[8825, 8826]	9032	[11119, 10969]	12070	[8125, 11853]
2957	[5143, 5144]	5995	[8827, 8828]	9033	[7495, 10774]	12071	[11653, 3378]
2958	[5145, 5146]	5996	[998, 3395]	9034	[1978, 7392]	12072	[6694, 1971]
2959	[5147, 5148]	5997	[5515, 5568]	9035	[8369, 7218]	12073	[5834, 12137]
2960	[5149, 5150]	5998	[8829, 8830]	9036	[7994, 6858]	12074	[7361, 11651]
2961	[358, 5151]	5999	[4773, 3448]	9037	[7833, 6075]	12075	[6685, 6978]
2962	[5152, 5153]	6000	[5323, 5440]	9038	[11120, 11121]	12076	[2378, 2357]
2963	[5154, 4702]	6001	[8831, 8832]	9039	[6100, 2076]	12077	[1972, 7990]

2964	[5155, 85]	6002	[8833, 8834]	9040	[11122, 11123]	12078	[968, 543]
2965	[5156, 5157]	6003	[8835, 5668]	9041	[7123, 6911]	12079	[11366, 11814]
2966	[5158, 5159]	6004	[8836, 8837]	9042	[11124, 11125]	12080	[6365, 3358]
2967	[5160, 5161]	6005	[8838, 8839]	9043	[6863, 6396]	12081	[11592, 6715]
2968	[5162, 5163]	6006	[8840, 8841]	9044	[11126, 11127]	12082	[11700, 7006]
2969	[5164, 5165]	6007	[5723, 5460]	9045	[7662, 7327]	12083	[6572, 11273]
2970	[5166, 5167]	6008	[5299, 5175]	9046	[11128, 8062]	12084	[2476, 1897]
2971	[5168, 5169]	6009	[8842, 8843]	9047	[2455, 2883]	12085	[7219, 5849]
2972	[64, 5170]	6010	[8844, 8845]	9048	[8223, 6726]	12086	[7320, 12140]
2973	[5171, 5172]	6011	[4968, 8758]	9049	[11129, 6281]	12087	[8268, 2675]
2974	[5173, 5174]	6012	[8846, 8847]	9050	[6205, 11130]	12088	[11072, 8222]
2975	[5175, 4146]	6013	[1085, 8848]	9051	[11131, 2208]	12089	[2791, 8462]
2976	[5176, 5177]	6014	[8849, 8850]	9052	[10751, 11132]	12090	[8069, 8360]
2977	[5178, 5179]	6015	[8851, 8585]	9053	[10749, 11133]	12091	[6273, 8440]
2978	[4411, 1727]	6016	[4982, 5021]	9054	[11134, 11135]	12092	[11693, 3268]
2979	[1770, 5180]	6017	[8517, 8852]	9055	[11136, 11137]	12093	[11005, 8458]
2980	[5181, 4432]	6018	[8853, 8854]	9056	[3019, 11138]	12094	[6190, 11284]
2981	[5182, 5183]	6019	[4382, 8855]	9057	[2642, 2934]	12095	[2813, 12142]
2982	[4892, 5184]	6020	[8856, 8857]	9058	[6623, 11139]	12096	[11584, 12136]
2983	[5185, 5186]	6021	[8528, 8858]	9059	[8128, 1923]	12097	[8342, 6493]
2984	[5187, 4086]	6022	[8859, 8860]	9060	[10882, 11140]	12098	[11676, 1876]
2985	[5188, 5189]	6023	[5518, 4719]	9061	[569, 11141]	12099	[10982, 6484]
2986	[1014, 5190]	6024	[3960, 8861]	9062	[11142, 3373]	12100	[2867, 5975]
2987	[5191, 5192]	6025	[8862, 8863]	9063	[6474, 11143]	12101	[499, 6835]
2988	[5193, 5194]	6026	[8864, 1254]	9064	[11144, 2521]	12102	[141, 5859]
2989	[5195, 5196]	6027	[8865, 1196]	9065	[8019, 10984]	12103	[2246, 10794]
2990	[5197, 5198]	6028	[421, 8866]	9066	[1938, 11145]	12104	[2520, 11785]
2991	[1351, 5199]	6029	[8867, 5459]	9067	[6570, 534]	12105	[6445, 7265]
2992	[5200, 5201]	6030	[8868, 8869]	9068	[6235, 7918]	12106	[11387, 11444]
2993	[1837, 5202]	6031	[4462, 8870]	9069	[6256, 7445]	12107	[7066, 5970]
2994	[5203, 3844]	6032	[8871, 8872]	9070	[11146, 7599]	12108	[11552, 7515]
2995	[4732, 5204]	6033	[1148, 8873]	9071	[2107, 10866]	12109	[6010, 2706]
2996	[252, 3871]	6034	[8874, 8875]	9072	[11147, 11148]	12110	[10884, 8086]
2997	[1482, 5205]	6035	[8876, 3401]	9073	[6749, 11149]	12111	[6674, 11716]
2998	[5206, 5207]	6036	[5510, 8877]	9074	[8428, 602]	12112	[6613, 696]
2999	[5208, 5209]	6037	[1268, 8878]	9075	[2221, 11150]	12113	[2792, 6199]
3000	[5210, 5211]	6038	[8879, 8880]	9076	[11151, 11152]	12114	[6173, 11824]
3001	[5212, 5213]	6039	[8881, 3573]	9077	[10788, 6493]	12115	[8010, 5821]
3002	[4449, 5214]	6040	[5420, 5579]	9078	[11153, 2828]	12116	[7116, 11862]
3003	[1544, 5215]	6041	[5607, 1357]	9079	[2984, 8252]	12117	[38, 12146]
3004	[1346, 376]	6042	[5739, 8882]	9080	[11133, 8036]	12118	[8175, 8025]
3005	[4269, 5216]	6043	[8883, 8884]	9081	[7204, 8362]	12119	[5803, 2121]
3006	[5217, 5218]	6044	[8885, 1273]	9082	[2056, 192]	12120	[8490, 11295]
3007	[5219, 5220]	6045	[8886, 8887]	9083	[777, 6073]	12121	[2316, 11656]

3008	[5221, 4041]	6046	[4887, 8888]	9084	[11154, 7788]	12122	[11855, 6315]
3009	[5222, 5223]	6047	[1627, 8889]	9085	[11155, 7520]	12123	[7346, 3090]
3010	[86, 5224]	6048	[8890, 8891]	9086	[2715, 7594]	12124	[11254, 6258]
3011	[5225, 5226]	6049	[4072, 3782]	9087	[11156, 11157]	12125	[11864, 8196]
3012	[5227, 5228]	6050	[8892, 1256]	9088	[6288, 2196]	12126	[11486, 8023]
3013	[5229, 5230]	6051	[1654, 8893]	9089	[2715, 11158]	12127	[11580, 7506]
3014	[5231, 5232]	6052	[8894, 8895]	9090	[2046, 11159]	12128	[12147, 5173]
3015	[5233, 5234]	6053	[4339, 5732]	9091	[7116, 7471]	12129	[18, 3756]
3016	[5235, 5236]	6054	[8896, 8897]	9092	[5742, 6574]	12130	[12125, 4870]
3017	[5237, 5238]	6055	[8898, 8899]	9093	[8425, 2233]	12131	[4086, 9420]
3018	[4104, 5239]	6056	[8530, 8900]	9094	[6555, 8283]	12132	[9992, 10254]
3019	[5240, 5241]	6057	[8901, 1077]	9095	[2002, 8311]	12133	[11988, 8540]
3020	[3821, 5242]	6058	[8902, 5044]	9096	[550, 11160]	12134	[4272, 3558]
3021	[5243, 5244]	6059	[8903, 8904]	9097	[7365, 6752]	12135	[11911, 12119]
3022	[5245, 5246]	6060	[8905, 8906]	9098	[11161, 11162]	12136	[10030, 295]
3023	[1093, 5247]	6061	[1490, 1817]	9099	[11163, 6898]	12137	[10719, 9195]
3024	[5248, 4259]	6062	[3753, 8907]	9100	[11164, 190]	12138	[4361, 4297]
3025	[5249, 5250]	6063	[5440, 8908]	9101	[7827, 11165]	12139	[11883, 9639]
3026	[5251, 5252]	6064	[3942, 1521]	9102	[11101, 6683]	12140	[4277, 9283]
3027	[5253, 4934]	6065	[8909, 8910]	9103	[2972, 822]	12141	[3572, 9791]
3028	[5254, 4839]	6066	[8911, 3407]	9104	[11166, 11167]	12142	[4808, 5214]
3029	[4842, 5255]	6067	[8912, 8913]	9105	[11032, 11168]	12143	[5001, 3577]
3030	[5256, 5257]	6068	[8914, 8915]	9106	[2331, 7841]	12144	[4131, 9187]
3031	[5258, 4536]	6069	[5025, 1437]	9107	[2806, 2752]	12145	[5380, 10472]
3032	[5259, 1106]	6070	[1422, 8709]	9108	[11169, 11170]	12146	[9191, 1295]
3033	[5260, 1108]	6071	[5331, 8916]	9109	[5867, 5900]	12147	[12148, 7994]
3034	[5261, 5262]	6072	[4224, 8917]	9110	[6577, 6495]	12148	[12149, 3728]
3035	[5263, 5264]	6073	[3686, 8918]	9111	[2142, 2720]	12149	[1, 887]
3036	[5265, 5266]	6074	[8919, 8920]	9112	[2903, 5796]		
3037	[5267, 5268]	6075	[8921, 8922]	9113	[2131, 5959]		

Output function $n \mapsto \tau(n)$:

n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$
0	0	2026	0	4052	1	6078	1	8104	1	10130	1
1	0	2027	1	4053	1	6079	0	8105	1	10131	1
2	0	2028	1	4054	1	6080	1	8106	1	10132	1
3	0	2029	1	4055	1	6081	0	8107	1	10133	1
4	1	2030	0	4056	1	6082	0	8108	1	10134	0
5	0	2031	1	4057	0	6083	1	8109	0	10135	1
6	0	2032	1	4058	0	6084	1	8110	0	10136	0
7	0	2033	1	4059	1	6085	1	8111	1	10137	0
8	1	2034	1	4060	0	6086	1	8112	0	10138	1
9	1	2035	1	4061	1	6087	1	8113	0	10139	0
10	0	2036	1	4062	1	6088	1	8114	0	10140	1

11	0	2037	1	4063	0	6089	1	8115	0	10141	0
12	0	2038	1	4064	1	6090	1	8116	1	10142	1
13	0	2039	0	4065	0	6091	0	8117	1	10143	1
14	0	2040	0	4066	1	6092	1	8118	1	10144	1
15	0	2041	0	4067	0	6093	1	8119	1	10145	1
16	0	2042	1	4068	1	6094	1	8120	1	10146	0
17	1	2043	1	4069	0	6095	1	8121	0	10147	1
18	0	2044	0	4070	1	6096	1	8122	0	10148	1
19	1	2045	1	4071	0	6097	1	8123	1	10149	0
20	1	2046	1	4072	0	6098	0	8124	0	10150	0
21	0	2047	1	4073	1	6099	1	8125	1	10151	1
22	1	2048	0	4074	0	6100	0	8126	1	10152	0
23	0	2049	1	4075	0	6101	1	8127	1	10153	1
24	0	2050	0	4076	0	6102	0	8128	0	10154	0
25	0	2051	0	4077	1	6103	0	8129	0	10155	0
26	0	2052	0	4078	0	6104	0	8130	0	10156	0
27	0	2053	0	4079	0	6105	0	8131	1	10157	0
28	0	2054	0	4080	1	6106	1	8132	0	10158	0
29	0	2055	1	4081	0	6107	1	8133	1	10159	0
30	0	2056	0	4082	1	6108	0	8134	0	10160	0
31	0	2057	1	4083	1	6109	0	8135	1	10161	1
32	1	2058	1	4084	1	6110	1	8136	1	10162	1
33	0	2059	1	4085	1	6111	0	8137	1	10163	0
34	0	2060	1	4086	1	6112	1	8138	0	10164	1
35	1	2061	0	4087	1	6113	0	8139	0	10165	1
36	0	2062	0	4088	1	6114	0	8140	0	10166	1
37	0	2063	0	4089	1	6115	1	8141	0	10167	1
38	1	2064	0	4090	1	6116	1	8142	1	10168	0
39	1	2065	1	4091	0	6117	0	8143	0	10169	1
40	1	2066	1	4092	1	6118	0	8144	0	10170	0
41	1	2067	1	4093	1	6119	0	8145	0	10171	1
42	0	2068	0	4094	1	6120	0	8146	1	10172	1
43	0	2069	1	4095	1	6121	0	8147	1	10173	0
44	1	2070	1	4096	0	6122	0	8148	0	10174	0
45	1	2071	1	4097	1	6123	1	8149	1	10175	0
46	0	2072	1	4098	0	6124	1	8150	0	10176	0
47	0	2073	1	4099	0	6125	1	8151	1	10177	1
48	0	2074	0	4100	1	6126	1	8152	0	10178	0
49	0	2075	1	4101	0	6127	1	8153	1	10179	1
50	1	2076	0	4102	1	6128	0	8154	0	10180	1
51	0	2077	0	4103	0	6129	1	8155	1	10181	1
52	1	2078	1	4104	1	6130	1	8156	0	10182	1
53	0	2079	1	4105	0	6131	1	8157	1	10183	1
54	0	2080	0	4106	1	6132	1	8158	1	10184	0

55	0	2081	0	4107	1	6133	0	8159	0	10185	0
56	1	2082	1	4108	0	6134	1	8160	1	10186	0
57	0	2083	1	4109	1	6135	0	8161	0	10187	0
58	0	2084	1	4110	1	6136	1	8162	0	10188	1
59	0	2085	1	4111	1	6137	1	8163	1	10189	1
60	1	2086	0	4112	1	6138	0	8164	1	10190	0
61	0	2087	0	4113	1	6139	0	8165	1	10191	0
62	0	2088	1	4114	1	6140	0	8166	0	10192	1
63	0	2089	0	4115	0	6141	0	8167	1	10193	1
64	1	2090	0	4116	0	6142	1	8168	0	10194	0
65	1	2091	0	4117	1	6143	1	8169	1	10195	1
66	1	2092	1	4118	1	6144	0	8170	1	10196	1
67	0	2093	1	4119	0	6145	0	8171	1	10197	0
68	1	2094	0	4120	0	6146	1	8172	0	10198	0
69	0	2095	1	4121	1	6147	0	8173	0	10199	0
70	0	2096	0	4122	0	6148	0	8174	0	10200	1
71	1	2097	0	4123	1	6149	0	8175	1	10201	0
72	0	2098	0	4124	0	6150	0	8176	1	10202	1
73	0	2099	1	4125	0	6151	0	8177	1	10203	0
74	0	2100	0	4126	1	6152	1	8178	0	10204	0
75	0	2101	0	4127	1	6153	1	8179	1	10205	1
76	0	2102	0	4128	0	6154	0	8180	1	10206	1
77	1	2103	0	4129	1	6155	0	8181	0	10207	1
78	1	2104	0	4130	1	6156	0	8182	0	10208	1
79	1	2105	0	4131	0	6157	1	8183	0	10209	1
80	0	2106	0	4132	0	6158	0	8184	0	10210	1
81	1	2107	0	4133	1	6159	1	8185	1	10211	1
82	0	2108	0	4134	0	6160	1	8186	1	10212	1
83	1	2109	1	4135	1	6161	0	8187	1	10213	0
84	0	2110	0	4136	1	6162	0	8188	0	10214	0
85	0	2111	1	4137	0	6163	0	8189	1	10215	1
86	1	2112	1	4138	1	6164	0	8190	1	10216	1
87	0	2113	0	4139	0	6165	0	8191	0	10217	0
88	1	2114	0	4140	1	6166	0	8192	0	10218	0
89	1	2115	0	4141	0	6167	1	8193	0	10219	0
90	0	2116	0	4142	0	6168	0	8194	1	10220	0
91	1	2117	1	4143	1	6169	0	8195	1	10221	0
92	0	2118	0	4144	1	6170	1	8196	0	10222	0
93	0	2119	1	4145	1	6171	0	8197	1	10223	0
94	0	2120	1	4146	1	6172	0	8198	1	10224	0
95	0	2121	0	4147	0	6173	0	8199	1	10225	0
96	0	2122	0	4148	0	6174	1	8200	0	10226	1
97	0	2123	1	4149	1	6175	1	8201	1	10227	0
98	1	2124	0	4150	0	6176	1	8202	1	10228	0

99	0	2125	0	4151	1	6177	1	8203	0	10229	0
100	1	2126	1	4152	1	6178	1	8204	1	10230	1
101	1	2127	0	4153	1	6179	0	8205	1	10231	0
102	0	2128	1	4154	1	6180	1	8206	1	10232	1
103	0	2129	0	4155	0	6181	0	8207	0	10233	1
104	1	2130	0	4156	1	6182	1	8208	1	10234	0
105	0	2131	1	4157	0	6183	0	8209	0	10235	1
106	0	2132	1	4158	0	6184	1	8210	1	10236	0
107	1	2133	0	4159	0	6185	1	8211	1	10237	0
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109	0	2135	0	4161	0	6187	1	8213	0	10239	0
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117	1	2143	1	4169	1	6195	1	8221	0	10247	0
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122	0	2148	1	4174	1	6200	0	8226	0	10252	1
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125	0	2151	1	4177	0	6203	0	8229	0	10255	0
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129	1	2155	1	4181	0	6207	0	8233	1	10259	1
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133	0	2159	0	4185	0	6211	0	8237	1	10263	0
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136	1	2162	0	4188	0	6214	1	8240	1	10266	1
137	0	2163	1	4189	1	6215	1	8241	1	10267	1
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151	1	2177	0	4203	1	6229	0	8255	0	10281	0
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154	1	2180	0	4206	0	6232	1	8258	0	10284	0
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156	1	2182	0	4208	1	6234	1	8260	0	10286	0
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159	0	2185	0	4211	1	6237	1	8263	0	10289	0
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167	1	2193	0	4219	1	6245	0	8271	0	10297	0
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177	1	2203	0	4229	0	6255	1	8281	1	10307	0
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182	1	2208	0	4234	1	6260	0	8286	0	10312	1
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198	0	2224	1	4250	0	6276	0	8302	1	10328	0
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201	0	2227	1	4253	0	6279	1	8305	1	10331	1
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205	1	2231	1	4257	0	6283	1	8309	0	10335	0
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218	0	2244	0	4270	0	6296	1	8322	1	10348	0
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221	0	2247	0	4273	0	6299	1	8325	0	10351	0
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223	0	2249	1	4275	0	6301	1	8327	1	10353	1
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226	0	2252	0	4278	0	6304	0	8330	0	10356	0
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228	1	2254	0	4280	0	6306	1	8332	1	10358	0
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231	0	2257	0	4283	0	6309	1	8335	1	10361	1
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234	1	2260	1	4286	1	6312	1	8338	0	10364	0
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251	0	2277	1	4303	1	6329	0	8355	0	10381	1
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263	1	2289	1	4315	0	6341	1	8367	0	10393	1
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281	0	2307	1	4333	1	6359	0	8385	1	10411	1
282	1	2308	0	4334	0	6360	0	8386	1	10412	0
283	1	2309	0	4335	0	6361	0	8387	0	10413	1
284	1	2310	1	4336	1	6362	1	8388	0	10414	1
285	1	2311	1	4337	1	6363	1	8389	1	10415	0
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379	0	2405	1	4431	0	6457	1	8483	1	10509	0
380	1	2406	0	4432	1	6458	1	8484	1	10510	0
381	0	2407	1	4433	0	6459	1	8485	0	10511	1
382	1	2408	1	4434	1	6460	1	8486	0	10512	0
383	1	2409	1	4435	1	6461	1	8487	0	10513	0
384	0	2410	0	4436	0	6462	1	8488	1	10514	1
385	0	2411	0	4437	1	6463	1	8489	1	10515	0
386	0	2412	1	4438	1	6464	1	8490	0	10516	1
387	0	2413	1	4439	1	6465	1	8491	0	10517	1
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389	1	2415	1	4441	0	6467	1	8493	1	10519	0
390	0	2416	1	4442	1	6468	1	8494	1	10520	0
391	0	2417	1	4443	0	6469	1	8495	0	10521	0
392	0	2418	1	4444	0	6470	0	8496	0	10522	1
393	0	2419	1	4445	0	6471	1	8497	0	10523	0
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395	1	2421	1	4447	0	6473	0	8499	1	10525	0
396	0	2422	0	4448	0	6474	0	8500	1	10526	0
397	1	2423	0	4449	1	6475	0	8501	0	10527	0
398	0	2424	0	4450	1	6476	0	8502	1	10528	1
399	0	2425	1	4451	0	6477	1	8503	1	10529	1
400	0	2426	0	4452	1	6478	0	8504	0	10530	1
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402	1	2428	0	4454	0	6480	1	8506	1	10532	1
403	0	2429	1	4455	1	6481	0	8507	0	10533	0
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405	0	2431	0	4457	0	6483	1	8509	0	10535	1
406	1	2432	0	4458	0	6484	0	8510	0	10536	0

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408	0	2434	0	4460	0	6486	1	8512	0	10538	1
409	0	2435	0	4461	0	6487	0	8513	0	10539	1
410	1	2436	0	4462	0	6488	0	8514	0	10540	0
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415	0	2441	0	4467	1	6493	1	8519	0	10545	1
416	0	2442	1	4468	1	6494	1	8520	0	10546	1
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425	1	2451	0	4477	1	6503	0	8529	0	10555	1
426	0	2452	0	4478	0	6504	1	8530	0	10556	0
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431	1	2457	0	4483	0	6509	1	8535	1	10561	1
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445	1	2471	1	4497	1	6523	0	8549	1	10575	0
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571	0	2597	1	4623	0	6649	0	8675	1	10701	1
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616	0	2642	0	4668	1	6694	0	8720	1	10746	1
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621	1	2647	1	4673	0	6699	0	8725	0	10751	0
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647	0	2673	1	4699	1	6725	1	8751	1	10777	0
648	1	2674	0	4700	0	6726	0	8752	1	10778	1
649	0	2675	0	4701	0	6727	0	8753	0	10779	0
650	1	2676	0	4702	1	6728	1	8754	1	10780	0
651	0	2677	0	4703	1	6729	1	8755	1	10781	1
652	1	2678	1	4704	1	6730	0	8756	0	10782	0
653	1	2679	1	4705	1	6731	0	8757	1	10783	0
654	0	2680	0	4706	0	6732	0	8758	0	10784	1
655	0	2681	0	4707	1	6733	1	8759	0	10785	0
656	1	2682	1	4708	0	6734	1	8760	1	10786	0
657	0	2683	1	4709	0	6735	1	8761	1	10787	1
658	0	2684	1	4710	0	6736	0	8762	1	10788	0
659	1	2685	0	4711	0	6737	0	8763	0	10789	1
660	0	2686	1	4712	1	6738	1	8764	0	10790	1
661	1	2687	0	4713	0	6739	1	8765	0	10791	1
662	1	2688	1	4714	0	6740	0	8766	0	10792	1
663	0	2689	1	4715	0	6741	0	8767	0	10793	0
664	0	2690	1	4716	1	6742	1	8768	0	10794	0
665	0	2691	1	4717	0	6743	0	8769	0	10795	1
666	1	2692	1	4718	1	6744	1	8770	1	10796	1
667	1	2693	1	4719	0	6745	0	8771	0	10797	1
668	0	2694	0	4720	0	6746	1	8772	1	10798	0
669	1	2695	1	4721	0	6747	0	8773	0	10799	0
670	0	2696	0	4722	0	6748	0	8774	0	10800	1

671	1	2697	0	4723	0	6749	1	8775	0	10801	1
672	1	2698	1	4724	0	6750	1	8776	1	10802	0
673	1	2699	1	4725	0	6751	1	8777	0	10803	0
674	1	2700	0	4726	0	6752	0	8778	1	10804	1
675	0	2701	1	4727	1	6753	1	8779	0	10805	0
676	1	2702	1	4728	1	6754	1	8780	0	10806	0
677	1	2703	0	4729	0	6755	0	8781	1	10807	1
678	1	2704	0	4730	0	6756	0	8782	0	10808	0
679	1	2705	1	4731	1	6757	1	8783	0	10809	1
680	1	2706	1	4732	0	6758	1	8784	0	10810	0
681	0	2707	1	4733	0	6759	0	8785	1	10811	1
682	1	2708	0	4734	0	6760	0	8786	1	10812	1
683	0	2709	1	4735	0	6761	0	8787	0	10813	1
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686	1	2712	1	4738	0	6764	1	8790	1	10816	0
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688	0	2714	0	4740	1	6766	1	8792	1	10818	0
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693	1	2719	1	4745	0	6771	0	8797	0	10823	0
694	0	2720	1	4746	1	6772	1	8798	1	10824	1
695	1	2721	0	4747	1	6773	1	8799	1	10825	0
696	1	2722	1	4748	1	6774	1	8800	1	10826	1
697	1	2723	0	4749	0	6775	0	8801	0	10827	1
698	1	2724	0	4750	0	6776	0	8802	1	10828	1
699	0	2725	1	4751	1	6777	1	8803	0	10829	0
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701	0	2727	0	4753	1	6779	0	8805	1	10831	1
702	0	2728	1	4754	0	6780	0	8806	0	10832	0
703	0	2729	0	4755	1	6781	1	8807	0	10833	1
704	1	2730	0	4756	1	6782	0	8808	1	10834	0
705	1	2731	0	4757	0	6783	1	8809	0	10835	1
706	0	2732	0	4758	1	6784	1	8810	0	10836	1
707	0	2733	1	4759	1	6785	0	8811	1	10837	0
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709	0	2735	0	4761	0	6787	1	8813	1	10839	1
710	1	2736	1	4762	0	6788	1	8814	0	10840	1
711	0	2737	0	4763	0	6789	1	8815	1	10841	0
712	1	2738	1	4764	0	6790	1	8816	0	10842	1
713	1	2739	0	4765	1	6791	1	8817	0	10843	0
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715	0	2741	0	4767	1	6793	1	8819	0	10845	0
716	1	2742	1	4768	0	6794	0	8820	0	10846	0
717	0	2743	0	4769	0	6795	1	8821	1	10847	0
718	1	2744	0	4770	1	6796	1	8822	0	10848	1
719	0	2745	1	4771	1	6797	1	8823	1	10849	1
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721	0	2747	1	4773	0	6799	1	8825	0	10851	1
722	0	2748	1	4774	1	6800	1	8826	0	10852	0
723	0	2749	1	4775	0	6801	1	8827	0	10853	1
724	0	2750	1	4776	1	6802	1	8828	0	10854	0
725	0	2751	0	4777	1	6803	1	8829	1	10855	1
726	1	2752	0	4778	1	6804	1	8830	0	10856	1
727	1	2753	1	4779	0	6805	1	8831	0	10857	0
728	1	2754	0	4780	0	6806	0	8832	0	10858	0
729	0	2755	1	4781	1	6807	1	8833	0	10859	0
730	0	2756	0	4782	0	6808	1	8834	0	10860	0
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733	0	2759	1	4785	0	6811	0	8837	1	10863	0
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735	1	2761	1	4787	0	6813	0	8839	0	10865	1
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737	0	2763	0	4789	1	6815	0	8841	1	10867	1
738	0	2764	0	4790	1	6816	1	8842	1	10868	1
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740	1	2766	0	4792	0	6818	1	8844	0	10870	1
741	1	2767	1	4793	1	6819	0	8845	1	10871	0
742	1	2768	0	4794	1	6820	1	8846	1	10872	0
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744	0	2770	1	4796	1	6822	0	8848	0	10874	1
745	0	2771	1	4797	0	6823	1	8849	0	10875	0
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747	0	2773	1	4799	0	6825	0	8851	1	10877	0
748	0	2774	0	4800	0	6826	1	8852	0	10878	0
749	0	2775	1	4801	1	6827	1	8853	0	10879	1
750	1	2776	1	4802	0	6828	1	8854	0	10880	0
751	1	2777	0	4803	0	6829	1	8855	1	10881	1
752	0	2778	0	4804	0	6830	1	8856	0	10882	0
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754	1	2780	0	4806	0	6832	1	8858	1	10884	1
755	1	2781	1	4807	0	6833	0	8859	1	10885	0
756	1	2782	1	4808	0	6834	1	8860	1	10886	1
757	1	2783	1	4809	1	6835	0	8861	0	10887	1
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759	1	2785	0	4811	0	6837	0	8863	0	10889	1
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765	1	2791	1	4817	0	6843	1	8869	1	10895	1
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767	1	2793	1	4819	1	6845	0	8871	0	10897	1
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776	0	2802	1	4828	1	6854	1	8880	0	10906	1
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778	0	2804	1	4830	0	6856	0	8882	0	10908	1
779	1	2805	0	4831	0	6857	0	8883	1	10909	1
780	1	2806	0	4832	1	6858	0	8884	0	10910	0
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782	1	2808	1	4834	0	6860	0	8886	0	10912	0
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784	0	2810	0	4836	0	6862	0	8888	1	10914	1
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791	0	2817	1	4843	0	6869	1	8895	1	10921	1
792	1	2818	0	4844	1	6870	0	8896	1	10922	0
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794	0	2820	0	4846	1	6872	0	8898	0	10924	0
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801	0	2827	1	4853	1	6879	1	8905	0	10931	0
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809	1	2835	0	4861	0	6887	0	8913	0	10939	1
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825	0	2851	1	4877	1	6903	1	8929	0	10955	0
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837	1	2863	0	4889	0	6915	0	8941	1	10967	1
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839	0	2865	1	4891	1	6917	0	8943	1	10969	0
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842	0	2868	0	4894	1	6920	0	8946	0	10972	0
843	0	2869	0	4895	1	6921	1	8947	1	10973	0
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866	0	2892	1	4918	1	6944	1	8970	0	10996	0
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869	1	2895	1	4921	1	6947	1	8973	0	10999	0
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872	1	2898	1	4924	0	6950	1	8976	1	11002	0
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893	0	2919	1	4945	0	6971	1	8997	1	11023	0
894	1	2920	0	4946	0	6972	0	8998	1	11024	1
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897	0	2923	1	4949	1	6975	0	9001	1	11027	1
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906	1	2932	0	4958	1	6984	1	9010	0	11036	1
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910	0	2936	0	4962	0	6988	1	9014	0	11040	1
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914	1	2940	1	4966	1	6992	0	9018	0	11044	0
915	1	2941	0	4967	1	6993	0	9019	1	11045	0
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1706	1	3732	0	5758	0	7784	1	9810	1	11836	1
1707	1	3733	0	5759	1	7785	0	9811	1	11837	1
1708	1	3734	1	5760	0	7786	1	9812	0	11838	1
1709	0	3735	0	5761	0	7787	1	9813	1	11839	1
1710	1	3736	0	5762	0	7788	0	9814	0	11840	1
1711	1	3737	0	5763	0	7789	0	9815	0	11841	0
1712	1	3738	0	5764	0	7790	0	9816	0	11842	0
1713	0	3739	0	5765	0	7791	1	9817	1	11843	0
1714	0	3740	0	5766	0	7792	0	9818	0	11844	1
1715	1	3741	0	5767	0	7793	0	9819	0	11845	0
1716	0	3742	1	5768	0	7794	1	9820	1	11846	1
1717	1	3743	1	5769	1	7795	0	9821	1	11847	0
1718	1	3744	0	5770	1	7796	0	9822	1	11848	0
1719	0	3745	0	5771	0	7797	1	9823	0	11849	1
1720	0	3746	1	5772	1	7798	1	9824	0	11850	0
1721	0	3747	0	5773	1	7799	0	9825	0	11851	0
1722	0	3748	1	5774	1	7800	1	9826	0	11852	0
1723	1	3749	1	5775	1	7801	0	9827	1	11853	0
1724	1	3750	1	5776	1	7802	0	9828	0	11854	0
1725	0	3751	1	5777	0	7803	1	9829	0	11855	0
1726	0	3752	1	5778	0	7804	1	9830	0	11856	1

1727	1	3753	0	5779	0	7805	0	9831	0	11857	0
1728	1	3754	0	5780	1	7806	1	9832	1	11858	1
1729	0	3755	1	5781	1	7807	1	9833	0	11859	0
1730	0	3756	0	5782	0	7808	1	9834	1	11860	1
1731	1	3757	0	5783	1	7809	0	9835	0	11861	1
1732	0	3758	0	5784	1	7810	0	9836	0	11862	0
1733	0	3759	1	5785	1	7811	0	9837	1	11863	0
1734	1	3760	1	5786	0	7812	0	9838	1	11864	1
1735	0	3761	1	5787	1	7813	0	9839	0	11865	0
1736	0	3762	0	5788	1	7814	1	9840	1	11866	0
1737	0	3763	0	5789	1	7815	0	9841	0	11867	0
1738	1	3764	1	5790	0	7816	0	9842	0	11868	1
1739	1	3765	0	5791	1	7817	0	9843	0	11869	0
1740	0	3766	1	5792	1	7818	0	9844	1	11870	1
1741	0	3767	0	5793	0	7819	1	9845	0	11871	0
1742	1	3768	1	5794	0	7820	0	9846	0	11872	1
1743	0	3769	0	5795	0	7821	1	9847	0	11873	0
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1746	0	3772	1	5798	1	7824	0	9850	1	11876	0
1747	1	3773	1	5799	0	7825	1	9851	1	11877	0
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1749	1	3775	1	5801	0	7827	1	9853	1	11879	1
1750	0	3776	0	5802	0	7828	0	9854	0	11880	0
1751	1	3777	0	5803	1	7829	0	9855	0	11881	0
1752	0	3778	0	5804	1	7830	1	9856	0	11882	1
1753	0	3779	1	5805	0	7831	0	9857	1	11883	0
1754	0	3780	0	5806	1	7832	1	9858	0	11884	0
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1758	0	3784	0	5810	1	7836	0	9862	0	11888	1
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1760	1	3786	1	5812	0	7838	0	9864	1	11890	0
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1767	1	3793	1	5819	0	7845	1	9871	0	11897	1
1768	1	3794	0	5820	1	7846	0	9872	1	11898	1
1769	0	3795	1	5821	0	7847	1	9873	1	11899	0
1770	0	3796	0	5822	1	7848	0	9874	1	11900	0

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1776	1	3802	0	5828	1	7854	0	9880	1	11906	0
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1778	0	3804	0	5830	1	7856	1	9882	1	11908	1
1779	1	3805	1	5831	0	7857	1	9883	0	11909	1
1780	0	3806	0	5832	0	7858	0	9884	1	11910	1
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1782	1	3808	1	5834	1	7860	0	9886	1	11912	1
1783	1	3809	1	5835	1	7861	0	9887	1	11913	0
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1785	1	3811	0	5837	1	7863	1	9889	0	11915	1
1786	1	3812	0	5838	0	7864	1	9890	0	11916	1
1787	1	3813	1	5839	1	7865	1	9891	1	11917	1
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1790	1	3816	0	5842	0	7868	1	9894	0	11920	1
1791	0	3817	0	5843	1	7869	1	9895	0	11921	0
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1796	0	3822	0	5848	1	7874	0	9900	0	11926	0
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1803	1	3829	1	5855	0	7881	0	9907	1	11933	0
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1805	1	3831	0	5857	1	7883	1	9909	0	11935	0
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1807	1	3833	1	5859	0	7885	0	9911	1	11937	1
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1820	1	3846	0	5872	1	7898	1	9924	1	11950	1
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1823	0	3849	0	5875	1	7901	1	9927	1	11953	0
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1827	1	3853	1	5879	0	7905	0	9931	0	11957	0
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1832	0	3858	1	5884	0	7910	1	9936	0	11962	1
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1842	0	3868	0	5894	1	7920	0	9946	0	11972	1
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1847	1	3873	0	5899	0	7925	1	9951	0	11977	1
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1873	0	3899	1	5925	1	7951	1	9977	1	12003	0
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1877	0	3903	0	5929	0	7955	0	9981	0	12007	1
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1880	0	3906	0	5932	0	7958	1	9984	1	12010	1
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1894	0	3920	0	5946	0	7972	0	9998	1	12024	0
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1905	0	3931	1	5957	0	7983	1	10009	1	12035	0
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1912	0	3938	1	5964	0	7990	0	10016	0	12042	0
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1914	1	3940	1	5966	0	7992	1	10018	0	12044	1
1915	0	3941	0	5967	1	7993	1	10019	0	12045	0
1916	0	3942	1	5968	0	7994	1	10020	1	12046	0
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1918	0	3944	1	5970	1	7996	0	10022	0	12048	0
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1937	0	3963	1	5989	1	8015	1	10041	1	12067	1
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1940	1	3966	1	5992	0	8018	1	10044	1	12070	1
1941	1	3967	0	5993	0	8019	1	10045	0	12071	1
1942	0	3968	0	5994	0	8020	1	10046	0	12072	0
1943	1	3969	0	5995	0	8021	1	10047	0	12073	1
1944	0	3970	0	5996	1	8022	1	10048	0	12074	1
1945	0	3971	0	5997	1	8023	0	10049	1	12075	1
1946	1	3972	0	5998	1	8024	0	10050	1	12076	1

1947	0	3973	1	5999	0	8025	0	10051	0	12077	1
1948	1	3974	1	6000	1	8026	1	10052	1	12078	1
1949	0	3975	0	6001	0	8027	1	10053	0	12079	0
1950	0	3976	1	6002	0	8028	1	10054	0	12080	1
1951	1	3977	1	6003	1	8029	0	10055	1	12081	0
1952	0	3978	0	6004	1	8030	0	10056	0	12082	1
1953	0	3979	0	6005	0	8031	1	10057	1	12083	0
1954	1	3980	0	6006	0	8032	0	10058	0	12084	0
1955	1	3981	0	6007	1	8033	1	10059	0	12085	0
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1957	1	3983	1	6009	1	8035	0	10061	1	12087	0
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1959	0	3985	0	6011	1	8037	1	10063	0	12089	1
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1961	0	3987	1	6013	1	8039	1	10065	1	12091	1
1962	0	3988	1	6014	0	8040	0	10066	1	12092	0
1963	0	3989	0	6015	1	8041	1	10067	1	12093	0
1964	0	3990	0	6016	0	8042	0	10068	1	12094	0
1965	0	3991	0	6017	0	8043	0	10069	1	12095	1
1966	1	3992	0	6018	0	8044	0	10070	0	12096	0
1967	0	3993	1	6019	0	8045	1	10071	1	12097	1
1968	0	3994	0	6020	0	8046	1	10072	1	12098	1
1969	0	3995	1	6021	0	8047	0	10073	1	12099	1
1970	1	3996	1	6022	1	8048	1	10074	1	12100	0
1971	0	3997	0	6023	1	8049	1	10075	1	12101	0
1972	1	3998	0	6024	0	8050	1	10076	1	12102	1
1973	0	3999	1	6025	1	8051	0	10077	1	12103	1
1974	1	4000	0	6026	1	8052	0	10078	1	12104	1
1975	1	4001	1	6027	1	8053	1	10079	1	12105	1
1976	1	4002	1	6028	0	8054	1	10080	1	12106	1
1977	0	4003	0	6029	0	8055	1	10081	0	12107	0
1978	1	4004	0	6030	0	8056	1	10082	0	12108	1
1979	0	4005	1	6031	0	8057	1	10083	0	12109	0
1980	0	4006	0	6032	0	8058	0	10084	0	12110	1
1981	1	4007	1	6033	0	8059	0	10085	0	12111	1
1982	0	4008	1	6034	1	8060	0	10086	0	12112	0
1983	0	4009	0	6035	1	8061	1	10087	1	12113	0
1984	1	4010	0	6036	1	8062	1	10088	0	12114	0
1985	0	4011	0	6037	0	8063	1	10089	0	12115	0
1986	1	4012	1	6038	0	8064	1	10090	0	12116	1
1987	0	4013	0	6039	0	8065	1	10091	1	12117	1
1988	1	4014	1	6040	0	8066	0	10092	1	12118	1
1989	1	4015	1	6041	0	8067	0	10093	1	12119	1
1990	1	4016	0	6042	0	8068	1	10094	1	12120	0

1991	0	4017	1	6043	1	8069	1	10095	0	12121	0
1992	1	4018	0	6044	0	8070	1	10096	0	12122	0
1993	0	4019	1	6045	0	8071	0	10097	0	12123	1
1994	1	4020	1	6046	0	8072	1	10098	0	12124	0
1995	0	4021	0	6047	1	8073	1	10099	1	12125	1
1996	1	4022	1	6048	0	8074	0	10100	0	12126	0
1997	0	4023	1	6049	0	8075	0	10101	1	12127	0
1998	0	4024	1	6050	1	8076	0	10102	0	12128	0
1999	0	4025	1	6051	0	8077	0	10103	1	12129	0
2000	0	4026	0	6052	1	8078	0	10104	1	12130	1
2001	0	4027	0	6053	1	8079	0	10105	1	12131	1
2002	0	4028	0	6054	1	8080	0	10106	1	12132	1
2003	0	4029	0	6055	0	8081	1	10107	1	12133	1
2004	1	4030	1	6056	0	8082	1	10108	0	12134	0
2005	1	4031	0	6057	1	8083	0	10109	0	12135	1
2006	0	4032	1	6058	1	8084	0	10110	1	12136	1
2007	1	4033	0	6059	1	8085	1	10111	1	12137	1
2008	0	4034	1	6060	0	8086	1	10112	1	12138	1
2009	0	4035	1	6061	0	8087	0	10113	0	12139	0
2010	0	4036	0	6062	0	8088	1	10114	0	12140	0
2011	0	4037	1	6063	0	8089	1	10115	1	12141	1
2012	0	4038	0	6064	1	8090	1	10116	0	12142	0
2013	0	4039	1	6065	0	8091	0	10117	0	12143	0
2014	1	4040	0	6066	1	8092	0	10118	0	12144	0
2015	1	4041	0	6067	0	8093	0	10119	0	12145	1
2016	0	4042	1	6068	1	8094	0	10120	0	12146	1
2017	1	4043	0	6069	1	8095	1	10121	0	12147	0
2018	0	4044	0	6070	0	8096	1	10122	0	12148	0
2019	1	4045	0	6071	0	8097	1	10123	0	12149	0
2020	1	4046	1	6072	0	8098	1	10124	0		
2021	0	4047	1	6073	1	8099	0	10125	0		
2022	0	4048	1	6074	0	8100	1	10126	0		
2023	0	4049	1	6075	0	8101	1	10127	0		
2024	1	4050	1	6076	0	8102	0	10128	1		
2025	0	4051	1	6077	0	8103	0	10129	0		

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