

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

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

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 $(a, b) = (z^2 + z + 1, z^5 + z^2 + z + 1)$, 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 $\text{CF}(a, b)$,

$$\begin{aligned} p_0(z) &= z^{21} + z^{17} + z^{15} + z^{13} + z^{12} + z^{11} + z^{10} + z^9 + z^7 + z^5 + z^2 + 1, \\ p_1(z) &= z^{26} + z^{25} + z^{22} + z^{20} + z^{19} + z^{18} + z^{16} + z^{14} + z^{12} + z^{10} + z^7 + z^5, \\ p_2(z) &= z^{28} + z^{22} + z^{18} + z^{16} + z^{14} + z^{10} + z^8 + 1, \\ p_3(z) &= z^{26} + z^{25} + z^{22} + z^{20} + z^{19} + z^{18} + z^{16} + z^{14} + z^{12} + z^{10} + z^7 + z^5, \\ p_4(z) &= z^{24} + z^{22} + z^{21} + z^{18} + z^{17} + z^{15} + z^{14} + z^{13} + z^{12} + z^{11} + z^9 + z^7 + z^5 \\ &\quad + z^2 + 1, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{17} + z^{15} + z^{13} + z^{12} + z^{11} + z^{10} + z^9 + z^7 + z^5 + z^2 + 1, \\ p_1(z) &= z^{26} + z^{25} + z^{22} + z^{20} + z^{19} + z^{18} + z^{16} + z^{14} + z^{12} + z^{10} + z^7 + z^5, \\ p_2(z) &= z^{28} + z^{22} + z^{18} + z^{16} + z^{14} + z^{10} + z^8 + 1, \\ p_3(z) &= z^{26} + z^{25} + z^{22} + z^{20} + z^{19} + z^{18} + z^{16} + z^{14} + z^{12} + z^{10} + z^7 + z^5, \\ p_4(z) &= z^{24} + z^{22} + z^{21} + z^{20} + z^{18} + z^{17} + z^{15} + z^{14} + z^{13} + z^{12} + z^{11} + z^9 \\ &\quad + z^7 + z^5 + z^2 + 1. \end{aligned}$$

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

$$M_{n+1}(x) = W_n(x) \cdot M_n(x),$$

$$W_{n+1}(x) = M_n(x) \cdot W_n(x).$$

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.*

$$\begin{aligned} M^e[:14u] &= M^e[:7u] + x^u M^e[:6u] + x^{2u} M^e[:5u] + x^{3u} M^e[:4u] + x^{4u} M^e[:3u] \\ &\quad + x^u M^e[:7u] + x^{2u} M^e[:6u] + x^{3u} M^e[:5u] + x^{4u} M^e[:4u] \\ &\quad + x^{5u} M^e[:3u] + x^{5u} M^e[:7u] + x^{6u} M^e[:6u] + x^{7u} M^e[:5u] \\ &\quad + x^{8u} M^e[:4u] + x^{9u} M^e[:3u] + x^{6u} M^e[:7u] + x^{7u} M^e[:6u] \\ &\quad + x^{8u} M^e[:5u] + x^{9u} M^e[:4u] + x^{10u} M^e[:3u] + x^{7u} M^e[:7u] \\ &\quad + x^{8u} M^e[:6u] + x^{9u} M^e[:5u] + x^{10u} M^e[:4u] + x^{12u} M^e[:2u] \end{aligned}$$

$$\begin{aligned}
& + x^{13u} M^e[:u] + (x^{7u} + x^{8u} + x^{12u} + x^{13u}) R^e, \\
W^e[:14u] = & W^e[:7u] + x^u W^e[:6u] + x^{2u} W^e[:5u] + x^{3u} W^e[:4u] + x^{4u} W^e[:3u] \\
& + x^u W^e[:7u] + x^{2u} W^e[:6u] + x^{3u} W^e[:5u] + x^{4u} W^e[:4u] \\
& + x^{5u} W^e[:3u] + x^{5u} W^e[:7u] + x^{6u} W^e[:6u] + x^{7u} W^e[:5u] \\
& + x^{8u} W^e[:4u] + x^{9u} W^e[:3u] + x^{6u} W^e[:7u] + x^{7u} W^e[:6u] \\
& + x^{8u} W^e[:5u] + x^{9u} W^e[:4u] + x^{10u} W^e[:3u] + x^{7u} W^e[:7u] \\
& + x^{8u} W^e[:6u] + x^{9u} W^e[:5u] + x^{10u} W^e[:4u] + x^{12u} W^e[:2u] \\
& + x^{13u} W^e[:u] + (x^{7u} + x^{8u} + x^{12u} + x^{13u}) R^e.
\end{aligned}$$

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

$$\begin{aligned}
M^o[:14u] = & M^o[:7u] + x^u M^o[:6u] + x^{2u} M^o[:5u] + x^{3u} M^o[:4u] + x^{4u} M^o[:3u] \\
& + x^u M^o[:7u] + x^{2u} M^o[:6u] + x^{3u} M^o[:5u] + x^{4u} M^o[:4u] \\
& + x^{5u} M^o[:3u] + x^{5u} M^o[:7u] + x^{6u} M^o[:6u] + x^{7u} M^o[:5u] \\
& + x^{8u} M^o[:4u] + x^{9u} M^o[:3u] + x^{6u} M^o[:7u] + x^{7u} M^o[:6u] \\
& + x^{8u} M^o[:5u] + x^{9u} M^o[:4u] + x^{10u} M^o[:3u] + x^{7u} M^o[:7u] \\
& + x^{8u} M^o[:6u] + x^{9u} M^o[:5u] + x^{10u} M^o[:4u] + x^{12u} M^o[:2u] \\
& + x^{13u} M^o[:u] + (x^{7u} + x^{8u} + x^{12u} + x^{13u}) R^o, \\
W^o[:14u] = & W^o[:7u] + x^u W^o[:6u] + x^{2u} W^o[:5u] + x^{3u} W^o[:4u] + x^{4u} W^o[:3u] \\
& + x^u W^o[:7u] + x^{2u} W^o[:6u] + x^{3u} W^o[:5u] + x^{4u} W^o[:4u] \\
& + x^{5u} W^o[:3u] + x^{5u} W^o[:7u] + x^{6u} W^o[:6u] + x^{7u} W^o[:5u] \\
& + x^{8u} W^o[:4u] + x^{9u} W^o[:3u] + x^{6u} W^o[:7u] + x^{7u} W^o[:6u] \\
& + x^{8u} W^o[:5u] + x^{9u} W^o[:4u] + x^{10u} W^o[:3u] + x^{7u} W^o[:7u] \\
& + x^{8u} W^o[:6u] + x^{9u} W^o[:5u] + x^{10u} W^o[:4u] + x^{12u} W^o[:2u] \\
& + x^{13u} W^o[:u] + (x^{7u} + x^{8u} + x^{12u} + x^{13u}) R^o.
\end{aligned}$$

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 $u = 2^{2k}$,

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

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

$$x^7 u = x^{7u} T[:u] + x^{4u} T[3u:4u] + x^{3u} T[4u:5u] + x^{2u} T[5u:6u]$$

$$\begin{aligned}
& + x^u T[6u:7u] + T[7u:8u], \\
x^8 u &= x^{8u} T[:u] + x^{7u} T[u:2u] + x^{5u} T[3u:4u] + T[8u:9u], \\
0 &= x^{9u} T[:u] + x^{8u} T[u:2u] + x^{7u} T[2u:3u] + x^{5u} T[4u:5u] \\
& + T[9u:10u], \\
0 &= x^{9u} T[u:2u] + x^{8u} T[2u:3u] + x^{7u} T[3u:4u] + x^{5u} T[5u:6u] \\
& + T[10u:11u], \\
0 &= x^{9u} T[2u:3u] + x^{8u} T[3u:4u] + x^{7u} T[4u:5u] + x^{5u} T[6u:7u] \\
& + T[11u:12u], \\
x^1 2u &= x^{12u} T[:u] + x^{6u} T[6u:7u] + T[12u:13u], \\
x^1 3u &= x^{13u} T[:u] + x^{12u} T[u:2u] + x^{10u} T[3u:4u] + x^{9u} T[4u:5u] \\
& + x^{8u} T[5u:6u] + x^{7u} T[6u:7u] + T[13u:14u],
\end{aligned}$$

which can be rewritten as

$$\begin{aligned}
(2.7) \quad 0 &= T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] \\
& + T[[111w]_2], \\
(2.8) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[1000w]_2], \\
(2.9) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[1001w]_2], \\
(2.10) \quad 0 &= T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] + T[[1010w]_2], \\
(2.11) \quad 0 &= T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] + T[[1011w]_2], \\
(2.12) \quad 0 &= T[[w]_2] + T[[110w]_2] + T[[1100w]_2], \\
(2.13) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\
& + T[[110w]_2] + T[[1101w]_2],
\end{aligned}$$

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

$$\begin{aligned}
(2.14) \quad 1 &= T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] \\
& + T[[111w]_2], \\
(2.15) \quad 1 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[1000w]_2], \\
(2.16) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[1001w]_2], \\
(2.17) \quad 0 &= T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] + T[[1010w]_2], \\
(2.18) \quad 0 &= T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] + T[[1011w]_2], \\
(2.19) \quad 1 &= T[[w]_2] + T[[110w]_2] + T[[1100w]_2], \\
(2.20) \quad 1 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\
& + T[[110w]_2] + T[[1101w]_2],
\end{aligned}$$

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

$$(2.21) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 111)), \end{aligned}$$

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

$$(2.23) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 1001)), \end{aligned}$$

$$(2.24) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 1010)), \end{aligned}$$

$$(2.25) \quad \begin{aligned} 0 &= \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 1011)), \end{aligned}$$

$$(2.26) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 110)) + \tau(A(s, 1100)),$$

$$(2.27) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)), \end{aligned}$$

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

$$(2.28) \quad \begin{aligned} 1 &= \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 111)), \end{aligned}$$

$$(2.29) \quad \begin{aligned} 1 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 1000)), \\ 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) \end{aligned}$$

$$(2.30) \quad \begin{aligned} &\quad + \tau(A(s, 1001)), \\ 0 &= \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \end{aligned}$$

$$(2.31) \quad \begin{aligned} &\quad + \tau(A(s, 1010)), \\ 0 &= \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 110)) \end{aligned}$$

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

$$(2.33) \quad 1 = \tau(A(s, \epsilon)) + \tau(A(s, 110)) + \tau(A(s, 1100)),$$

$$(2.34) \quad \begin{aligned} 1 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)), \end{aligned}$$

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 $u = 2^{2k-1}$,*

$$\begin{aligned} M_{2k} &= M^e[:7u] + x^u M^e[:6u] + x^{2u} M^e[:5u] + x^{3u} M^e[:4u] + x^{4u} M^e[:3u] \\ &\quad + x^{7u} R^e, \end{aligned}$$

$$\begin{aligned} W_{2k} &= W^e[:7u] + x^u W^e[:6u] + x^{2u} W^e[:5u] + x^{3u} W^e[:4u] + x^{4u} W^e[:3u] \\ &\quad + x^{7u} R^e. \end{aligned}$$

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

$$\begin{aligned} M_{2k+1} &= M^o[:7u] + x^u M^o[:6u] + x^{2u} M^o[:5u] + x^{3u} M^o[:4u] + x^{4u} M^o[:3u] \\ &\quad + x^{7u} R^o, \\ W_{2k+1} &= W^o[:7u] + x^u W^o[:6u] + x^{2u} W^o[:5u] + x^{3u} W^o[:4u] + x^{4u} W^o[:3u] \\ &\quad + x^{7u} R^o. \end{aligned}$$

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

$$\begin{aligned} M_{2k} \wedge W_{2k} &\Rightarrow M_{2k+1} \wedge W_{2k+1}, \\ M_{2k+1} \wedge W_{2k+1} &\Rightarrow M_{2k+2} \wedge W_{2k+2}. \end{aligned}$$

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

$$\begin{aligned} W_{2k} M_{2k} &= (W^e[:7v] + x^v W^e[:6v] + x^{2v} W^e[:5v] + x^{3v} W^e[:4v] \\ &\quad + x^{4v} W^e[:3v] + x^{7u} R^e) \times (M^e[:7v] + x^v M^e[:6v] + x^{2v} M^e[:5v] \\ (2.35) \quad &\quad + x^{3v} M^e[:4v] + x^{4v} M^e[:3v] + x^{7u} R^e); \end{aligned}$$

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

$$\begin{aligned} &W^e[:14v] M^e[:14v] + x^{2v} W^e[:12v] M^e[:12v] + x^{4v} W^e[:10v] M^e[:10v] \\ &\quad + x^{6v} W^e[:8v] M^e[:8v] + x^{8v} W^e[:6v] M^e[:6v]. \end{aligned}$$

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 $0 \leq j, k \leq 1$,

$$\lim_{n \rightarrow \infty} M_{2n, j, k} = M_{j, k}^e,$$

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

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

$$\begin{aligned}q_0(x) &= x^{28} + x^{26} + x^{23} + x^{21} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{13} + x^{11} + x^7, \\ q_1(x) &= x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^9 + x^8 + x^6 + x^3 + x^2, \\ q_2(x) &= x^{28} + x^{20} + x^{18} + x^{14} + x^{12} + x^{10} + x^6 + 1, \\ q_3(x) &= x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^9 + x^8 + x^6 + x^3 + x^2, \\ q_4(x) &= x^{28} + x^{26} + x^{23} + x^{21} + x^{19} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{11} + x^{10} \\ &\quad + x^7 + x^6 + x^4.\end{aligned}$$

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

$$\begin{aligned}p_0(x) &= x^{156} + x^{154} + x^{150} + x^{148} + x^{146} + x^{144} + x^{138} + x^{128} + x^{126} + x^{124} \\ &\quad + x^{122} + x^{120} + x^{114} + x^{112} + x^{106} + x^{100} + x^{98} + x^{96} + x^{94} + x^{90} \\ &\quad + x^{88} + x^{84} + x^{80} + x^{78} + x^{72} + x^{68} + x^{64} + x^{60} + x^{56} + x^{46} + x^{44} \\ &\quad + x^{42} + x^{40} + x^{38} + x^{34} + x^{26} + x^{24}, \\ p_3(x) &= x^{146} + x^{144} + x^{142} + x^{126} + x^{124} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110}\end{aligned}$$

$$\begin{aligned}
& + x^{108} + x^{104} + x^{96} + x^{94} + x^{80} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} \\
& + x^{60} + x^{48} + x^{46} + x^{44} + x^{40} + x^{38} + x^{36} + x^{32} + x^{30} + x^{26} + x^{16}, \\
p_6(x) = & x^{152} + x^{150} + x^{148} + x^{146} + x^{136} + x^{134} + x^{132} + x^{128} + x^{110} + x^{108} \\
& + x^{100} + x^{96} + x^{88} + x^{86} + x^{82} + x^{78} + x^{74} + x^{72} + x^{68} + x^{66} + x^{60} \\
& + x^{58} + x^{56} + x^{52} + x^{50} + x^{42} + x^{38} + x^{36} + x^{28} + x^{22} + x^{16} + x^{14} \\
& + x^{12} + x^8 + x^2 + 1, \\
p_9(x) = & x^{146} + x^{144} + x^{140} + x^{136} + x^{128} + x^{122} + x^{120} + x^{118} + x^{110} + x^{106} \\
& + x^{104} + x^{100} + x^{98} + x^{94} + x^{92} + x^{90} + x^{82} + x^{80} + x^{74} + x^{72} + x^{68} \\
& + x^{66} + x^{64} + x^{62} + x^{58} + x^{44} + x^{40} + x^{30} + x^{28} + x^{26} + x^{22} + x^{20} \\
& + x^8 + x^4, \\
p_{12}(x) = & x^{156} + x^{154} + x^{152} + x^{148} + x^{146} + x^{144} + x^{140} + x^{138} + x^{136} + x^{124} \\
& + x^{122} + x^{120} + x^{108} + x^{106} + x^{104} + x^{92} + x^{90} + x^{88} + x^{76} + x^{74} \\
& + x^{72} + x^{60} + x^{58} + x^{56} + x^{36} + x^{34} + x^{32} + x^{28} + x^{26} + x^{24} + x^{20} \\
& + x^{18} + x^{16} + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{133} \\
& + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{123} + x^{122} + x^{121} + x^{118} \\
& + x^{117} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} + x^{107} + x^{105} + x^{104} \\
& + x^{102} + x^{101} + x^{100} + x^{98} + x^{96} + x^{95} + x^{93} + x^{91} + x^{89} + x^{88} + x^{87} \\
& + x^{86} + x^{75} + x^{74} + x^{73} + x^{72} + x^{67} + x^{66} + x^{65} + x^{63} + x^{62} + x^{60} \\
& + x^{59} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} \\
& + x^{37} + x^{36} + x^{34} + x^{33}, \\
p_3(x) = & x^{102} + x^{94} + x^{92} + x^{88} + x^{84} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{68} \\
& + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{48} + x^{44} + x^{42} + x^{40} + x^{30} \\
& + x^{28} + x^{26} + x^{24} + x^{18}, \\
p_6(x) = & x^{117} + x^{115} + x^{112} + x^{110} + x^{109} + x^{108} + x^{106} + x^{105} + x^{102} + x^{101} \\
& + x^{100} + x^{99} + x^{98} + x^{93} + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} \\
& + x^{77} + x^{76} + x^{71} + x^{69} + x^{66} + x^{64} + x^{63} + x^{62} + x^{60} + x^{59} + x^{56} \\
& + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{49} + x^{47} + x^{46} + x^{44} + x^{41} + x^{40} \\
& + x^{39} + x^{35} + x^{34} + x^{33} + x^{29} + x^{28} + x^{27} + x^{23} + x^{22} + x^{21} + x^{16} \\
& + x^{13} + x^{12}, \\
p_9(x) = & x^{132} + x^{128} + x^{124} + x^{120} + x^{118} + x^{112} + x^{108} + x^{100} + x^{98} + x^{90} \\
& + x^{88} + x^{86} + x^{84} + x^{80} + x^{76} + x^{72} + x^{70} + x^{56} + x^{42} + x^{40} + x^{38} \\
& + x^{32} + x^{20} + x^{18} + x^{14} + x^{12} + x^8 + x^6,
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} + x^{90} + x^{88} \\
& + x^{86} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{73} + x^{71} \\
& + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{62} + x^{60} + x^{58} + x^{56} + x^{54} + x^{52} \\
& + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} \\
& + x^{36} + x^{31} + x^{29} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} \\
& + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{133} \\
& + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{123} + x^{122} + x^{121} + x^{118} \\
& + x^{117} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} + x^{107} + x^{105} + x^{104} \\
& + x^{102} + x^{101} + x^{100} + x^{98} + x^{96} + x^{95} + x^{93} + x^{91} + x^{89} + x^{88} + x^{87} \\
& + x^{86} + x^{75} + x^{74} + x^{73} + x^{72} + x^{67} + x^{66} + x^{65} + x^{63} + x^{62} + x^{60} \\
& + x^{59} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} \\
& + x^{37} + x^{36} + x^{34} + x^{33}, \\
p_3(x) = & x^{102} + x^{94} + x^{92} + x^{88} + x^{84} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{68} \\
& + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{48} + x^{44} + x^{42} + x^{40} + x^{30} \\
& + x^{28} + x^{26} + x^{24} + x^{18}, \\
p_6(x) = & x^{117} + x^{115} + x^{112} + x^{110} + x^{109} + x^{108} + x^{106} + x^{105} + x^{102} + x^{101} \\
& + x^{100} + x^{99} + x^{98} + x^{93} + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} \\
& + x^{77} + x^{76} + x^{71} + x^{69} + x^{66} + x^{64} + x^{63} + x^{62} + x^{60} + x^{59} + x^{56} \\
& + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{49} + x^{47} + x^{46} + x^{44} + x^{41} + x^{40} \\
& + x^{39} + x^{35} + x^{34} + x^{33} + x^{29} + x^{28} + x^{27} + x^{23} + x^{22} + x^{21} + x^{16} \\
& + x^{13} + x^{12}, \\
p_9(x) = & x^{132} + x^{128} + x^{124} + x^{120} + x^{118} + x^{112} + x^{108} + x^{100} + x^{98} + x^{90} \\
& + x^{88} + x^{86} + x^{84} + x^{80} + x^{76} + x^{72} + x^{70} + x^{56} + x^{42} + x^{40} + x^{38} \\
& + x^{32} + x^{20} + x^{18} + x^{14} + x^{12} + x^8 + x^6, \\
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} + x^{90} + x^{88} \\
& + x^{86} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{73} + x^{71}
\end{aligned}$$

$$\begin{aligned}
& + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{62} + x^{60} + x^{58} + x^{56} + x^{54} + x^{52} \\
& + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} \\
& + x^{36} + x^{31} + x^{29} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} \\
& + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{136} + x^{132} + x^{130} + x^{126} + x^{124} + x^{120} + x^{116} + x^{112} + x^{110} \\
&+ x^{108} + x^{106} + x^{102} + x^{100} + x^{94} + x^{82} + x^{76} + x^{74} + x^{70} + x^{66} \\
&+ x^{60} + x^{58} + x^{56} + x^{54} + x^{52} + x^{48} + x^{42}, \\
p_3(x) &= x^{128} + x^{126} + x^{124} + x^{118} + x^{98} + x^{94} + x^{92} + x^{86} + x^{84} + x^{80} + x^{78} \\
&+ x^{76} + x^{74} + x^{72} + x^{70} + x^{68} + x^{62} + x^{58} + x^{56} + x^{52} + x^{48} + x^{44} \\
&+ x^{38} + x^{36} + x^{34} + x^{32} + x^{30} + x^{28} + x^{24} + x^{22} + x^{20} + x^{18} + x^{14} \\
&+ x^{12}, \\
p_6(x) &= x^{134} + x^{132} + x^{130} + x^{128} + x^{124} + x^{118} + x^{116} + x^{112} + x^{108} + x^{104} \\
&+ x^{102} + x^{100} + x^{96} + x^{94} + x^{92} + x^{90} + x^{88} + x^{84} + x^{70} + x^{68} + x^{66} \\
&+ x^{62} + x^{60} + x^{54} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{34} + x^{30} + x^{28} \\
&+ x^{16} + x^{12} + x^4 + 1, \\
p_9(x) &= x^{128} + x^{126} + x^{122} + x^{114} + x^{106} + x^{102} + x^{100} + x^{94} + x^{92} + x^{82} \\
&+ x^{80} + x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} + x^{54} \\
&+ x^{52} + x^{50} + x^{42} + x^{36} + x^{34} + x^{30} + x^{28} + x^{24} + x^{22} + x^{16} + x^{14} \\
&+ x^{10} + x^8 + x^6 + x^4, \\
p_{12}(x) &= x^{138} + x^{136} + x^{134} + x^{130} + x^{126} + x^{122} + x^{118} + x^{112} + x^{106} + x^{104} \\
&+ x^{102} + x^{98} + x^{94} + x^{90} + x^{86} + x^{80} + x^{74} + x^{72} + x^{70} + x^{66} + x^{62} \\
&+ x^{58} + x^{54} + x^{48} + x^{42} + x^{40} + x^{38} + x^{34} + x^{30} + x^{24} + x^{18} + x^{16} \\
&+ x^{14} + x^{10} + x^6 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{136} + x^{132} + x^{130} + x^{126} + x^{124} + x^{120} + x^{118} + x^{114} + x^{112} \\
&+ x^{108} + x^{102} + x^{98} + x^{96} + x^{90} + x^{88} + x^{86} + x^{84} + x^{80} + x^{78} + x^{76} \\
&+ x^{72} + x^{70} + x^{68} + x^{66} + x^{60} + x^{46} + x^{44} + x^{42} + x^{36} + x^{32} + x^{28} \\
&+ x^{24}, \\
p_3(x) &= x^{128} + x^{126} + x^{124} + x^{118} + x^{108} + x^{106} + x^{102} + x^{100} + x^{98} + x^{96} \\
&+ x^{92} + x^{90} + x^{84} + x^{82} + x^{78} + x^{70} + x^{66} + x^{64} + x^{62} + x^{60} + x^{52} \\
&+ x^{46} + x^{38} + x^{32} + x^{28} + x^{26} + x^{22} + x^{20} + x^{18} + x^{16}, \\
p_6(x) &= x^{134} + x^{132} + x^{130} + x^{128} + x^{124} + x^{114} + x^{112} + x^{108} + x^{106} + x^{104}
\end{aligned}$$

$$\begin{aligned}
& + x^{98} + x^{96} + x^{90} + x^{86} + x^{78} + x^{76} + x^{72} + x^{66} + x^{64} + x^{62} + x^{60} \\
& + x^{58} + x^{56} + x^{54} + x^{38} + x^{36} + x^{34} + x^{30} + x^{28} + x^{26} + x^{12} + x^8 \\
& + x^4 + 1, \\
p_9(x) &= x^{128} + x^{126} + x^{122} + x^{114} + x^{106} + x^{102} + x^{100} + x^{94} + x^{92} + x^{82} \\
& + x^{80} + x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} + x^{54} \\
& + x^{52} + x^{50} + x^{42} + x^{36} + x^{34} + x^{30} + x^{28} + x^{24} + x^{22} + x^{16} + x^{14} \\
& + x^{10} + x^8 + x^6 + x^4, \\
p_{12}(x) &= x^{138} + x^{136} + x^{134} + x^{130} + x^{126} + x^{122} + x^{118} + x^{112} + x^{106} + x^{104} \\
& + x^{102} + x^{98} + x^{94} + x^{90} + x^{86} + x^{80} + x^{74} + x^{72} + x^{70} + x^{66} + x^{62} \\
& + x^{58} + x^{54} + x^{48} + x^{42} + x^{40} + x^{38} + x^{34} + x^{30} + x^{24} + x^{18} + x^{16} \\
& + x^{14} + x^{10} + x^6 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{133} \\
& + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{123} + x^{122} + x^{121} + x^{118} \\
& + x^{115} + x^{113} + x^{111} + x^{109} + x^{108} + x^{106} + x^{102} + x^{101} + x^{100} \\
& + x^{99} + x^{98} + x^{96} + x^{94} + x^{91} + x^{86} + x^{85} + x^{83} + x^{82} + x^{80} + x^{76} \\
& + x^{74} + x^{72} + x^{71} + x^{70} + x^{69} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} + x^{57} \\
& + x^{55} + x^{54} + x^{50} + x^{46} + x^{43} + x^{41} + x^{38} + x^{36} + x^{33}, \\
p_3(x) &= x^{102} + x^{94} + x^{92} + x^{88} + x^{84} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{68} \\
& + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{48} + x^{44} + x^{42} + x^{40} + x^{30} \\
& + x^{28} + x^{26} + x^{24} + x^{18}, \\
p_6(x) &= x^{117} + x^{115} + x^{112} + x^{110} + x^{109} + x^{108} + x^{106} + x^{105} + x^{102} + x^{101} \\
& + x^{100} + x^{99} + x^{98} + x^{93} + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} \\
& + x^{77} + x^{76} + x^{71} + x^{69} + x^{66} + x^{64} + x^{63} + x^{62} + x^{60} + x^{59} + x^{56} \\
& + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{49} + x^{47} + x^{46} + x^{44} + x^{41} + x^{40} \\
& + x^{39} + x^{35} + x^{34} + x^{33} + x^{29} + x^{28} + x^{27} + x^{23} + x^{22} + x^{21} + x^{16} \\
& + x^{13} + x^{12}, \\
p_9(x) &= x^{132} + x^{128} + x^{124} + x^{120} + x^{118} + x^{112} + x^{108} + x^{100} + x^{98} + x^{90} \\
& + x^{88} + x^{86} + x^{84} + x^{80} + x^{76} + x^{72} + x^{70} + x^{56} + x^{42} + x^{40} + x^{38} \\
& + x^{32} + x^{20} + x^{18} + x^{14} + x^{12} + x^8 + x^6, \\
p_{12}(x) &= x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} + x^{90} + x^{88}
\end{aligned}$$

$$\begin{aligned}
& + x^{86} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{73} + x^{71} \\
& + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{62} + x^{60} + x^{58} + x^{56} + x^{54} + x^{52} \\
& + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} \\
& + x^{36} + x^{31} + x^{29} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} \\
& + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{133} \\
&+ x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{123} + x^{122} + x^{121} + x^{118} \\
&+ x^{115} + x^{113} + x^{111} + x^{109} + x^{108} + x^{106} + x^{102} + x^{101} + x^{100} \\
&+ x^{99} + x^{98} + x^{96} + x^{94} + x^{91} + x^{86} + x^{85} + x^{83} + x^{82} + x^{80} + x^{76} \\
&+ x^{74} + x^{72} + x^{71} + x^{70} + x^{69} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} + x^{57} \\
&+ x^{55} + x^{54} + x^{50} + x^{46} + x^{43} + x^{41} + x^{38} + x^{36} + x^{33}, \\
p_3(x) &= x^{102} + x^{94} + x^{92} + x^{88} + x^{84} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{68} \\
&+ x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{48} + x^{44} + x^{42} + x^{40} + x^{30} \\
&+ x^{28} + x^{26} + x^{24} + x^{18}, \\
p_6(x) &= x^{117} + x^{115} + x^{112} + x^{110} + x^{109} + x^{108} + x^{106} + x^{105} + x^{102} + x^{101} \\
&+ x^{100} + x^{99} + x^{98} + x^{93} + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} \\
&+ x^{77} + x^{76} + x^{71} + x^{69} + x^{66} + x^{64} + x^{63} + x^{62} + x^{60} + x^{59} + x^{56} \\
&+ x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{49} + x^{47} + x^{46} + x^{44} + x^{41} + x^{40} \\
&+ x^{39} + x^{35} + x^{34} + x^{33} + x^{29} + x^{28} + x^{27} + x^{23} + x^{22} + x^{21} + x^{16} \\
&+ x^{13} + x^{12}, \\
p_9(x) &= x^{132} + x^{128} + x^{124} + x^{120} + x^{118} + x^{112} + x^{108} + x^{100} + x^{98} + x^{90} \\
&+ x^{88} + x^{86} + x^{84} + x^{80} + x^{76} + x^{72} + x^{70} + x^{56} + x^{42} + x^{40} + x^{38} \\
&+ x^{32} + x^{20} + x^{18} + x^{14} + x^{12} + x^8 + x^6, \\
p_{12}(x) &= x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
&+ x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\
&+ x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} \\
&+ x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} + x^{90} + x^{88} \\
&+ x^{86} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{73} + x^{71} \\
&+ x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{62} + x^{60} + x^{58} + x^{56} + x^{54} + x^{52} \\
&+ x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} \\
&+ x^{36} + x^{31} + x^{29} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} \\
&+ x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{150} + x^{148} + x^{146} + x^{144} + x^{138} + x^{136} + x^{134} + x^{132} \\
&\quad + x^{122} + x^{120} + x^{116} + x^{108} + x^{106} + x^{104} + x^{102} + x^{98} + x^{94} + x^{92} \\
&\quad + x^{90} + x^{88} + x^{84} + x^{82} + x^{80} + x^{76} + x^{70} + x^{68} + x^{60} + x^{56} + x^{48} \\
&\quad + x^{46} + x^{42}, \\
p_3(x) &= x^{146} + x^{144} + x^{142} + x^{116} + x^{112} + x^{110} + x^{106} + x^{102} + x^{94} + x^{90} \\
&\quad + x^{88} + x^{84} + x^{80} + x^{72} + x^{66} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{48} \\
&\quad + x^{46} + x^{44} + x^{40} + x^{28} + x^{20} + x^{18} + x^{12}, \\
p_6(x) &= x^{152} + x^{150} + x^{148} + x^{146} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{108} \\
&\quad + x^{106} + x^{104} + x^{102} + x^{98} + x^{94} + x^{84} + x^{76} + x^{74} + x^{68} + x^{66} + x^{62} \\
&\quad + x^{60} + x^{58} + x^{54} + x^{46} + x^{44} + x^{42} + x^{32} + x^{30} + x^{28} + x^{24} + x^{22} \\
&\quad + x^{20} + x^{18} + x^{16} + x^{10} + x^2 + 1, \\
p_9(x) &= x^{146} + x^{144} + x^{140} + x^{136} + x^{128} + x^{122} + x^{120} + x^{118} + x^{110} + x^{106} \\
&\quad + x^{104} + x^{100} + x^{98} + x^{94} + x^{92} + x^{90} + x^{82} + x^{80} + x^{74} + x^{72} + x^{68} \\
&\quad + x^{66} + x^{64} + x^{62} + x^{58} + x^{44} + x^{40} + x^{30} + x^{28} + x^{26} + x^{22} + x^{20} \\
&\quad + x^8 + x^4, \\
p_{12}(x) &= x^{156} + x^{154} + x^{152} + x^{148} + x^{146} + x^{144} + x^{140} + x^{138} + x^{136} + x^{124} \\
&\quad + x^{122} + x^{120} + x^{108} + x^{106} + x^{104} + x^{92} + x^{90} + x^{88} + x^{76} + x^{74} \\
&\quad + x^{72} + x^{60} + x^{58} + x^{56} + x^{36} + x^{34} + x^{32} + x^{28} + x^{26} + x^{24} + x^{20} \\
&\quad + x^{18} + x^{16} + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{136} + x^{135} + x^{132} + x^{131} \\
&\quad + x^{130} + x^{129} + x^{128} + x^{127} + x^{121} + x^{117} + x^{116} + x^{115} + x^{114} \\
&\quad + x^{112} + x^{109} + x^{107} + x^{103} + x^{102} + x^{101} + x^{100} + x^{98} + x^{96} + x^{95} \\
&\quad + x^{90} + x^{88} + x^{87} + x^{86} + x^{85} + x^{83} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} \\
&\quad + x^{74} + x^{72} + x^{71} + x^{68} + x^{67} + x^{66} + x^{64} + x^{62} + x^{61} + x^{57} + x^{56} \\
&\quad + x^{52} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{41} + x^{39} + x^{38} + x^{37} \\
&\quad + x^{36} + x^{32} + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24}, \\
p_3(x) &= x^{127} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{112} + x^{111} \\
&\quad + x^{110} + x^{109} + x^{108} + x^{107} + x^{101} + x^{97} + x^{96} + x^{95} + x^{94} + x^{92} \\
&\quad + x^{89} + x^{87} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} \\
&\quad + x^{74} + x^{72} + x^{69} + x^{67} + x^{65} + x^{63} + x^{56} + x^{51} + x^{49} + x^{48} + x^{47} \\
&\quad + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} + x^{34} + x^{33} + x^{31} \\
&\quad + x^{25} + x^{24} + x^{21} + x^{19} + x^{18} + x^{17} + x^{16},
\end{aligned}$$

$$\begin{aligned}
p_6(x) &= x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{132} + x^{129} + x^{124} + x^{123} \\
&\quad + x^{122} + x^{121} + x^{120} + x^{119} + x^{115} + x^{114} + x^{112} + x^{109} + x^{107} \\
&\quad + x^{105} + x^{104} + x^{102} + x^{101} + x^{99} + x^{97} + x^{94} + x^{91} + x^{90} + x^{89} \\
&\quad + x^{85} + x^{83} + x^{81} + x^{79} + x^{78} + x^{77} + x^{71} + x^{70} + x^{68} + x^{65} + x^{63} \\
&\quad + x^{55} + x^{54} + x^{53} + x^{51} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{43} + x^{42} \\
&\quad + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} + x^{31} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} \\
&\quad + x^{18} + x^{15} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1, \\
p_9(x) &= x^{127} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{95} + x^{93} + x^{91} + x^{90} \\
&\quad + x^{89} + x^{88} + x^{63} + x^{61} + x^{59} + x^{58} + x^{57} + x^{56} + x^{31} + x^{29} + x^{27} \\
&\quad + x^{26} + x^{25} + x^{24} + x^{15} + x^{13} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) &= x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
&\quad + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} \\
&\quad + x^{121} + x^{118} + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} \\
&\quad + x^{107} + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} \\
&\quad + x^{93} + x^{92} + x^{91} + x^{89} + x^{86} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} \\
&\quad + x^{76} + x^{75} + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} \\
&\quad + x^{61} + x^{60} + x^{59} + x^{57} + x^{54} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} \\
&\quad + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{23} + x^{21} + x^{18} + x^{16} \\
&\quad + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{148} + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{123} + x^{122} + x^{120} \\
&\quad + x^{119} + x^{118} + x^{117} + x^{110} + x^{102} + x^{99} + x^{94} + x^{93} + x^{92} + x^{91} \\
&\quad + x^{88} + x^{87} + x^{86} + x^{83} + x^{78} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{66} \\
&\quad + x^{64} + x^{63} + x^{62} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} + x^{52} + x^{49} + x^{48} \\
&\quad + x^{46} + x^{44} + x^{40} + x^{39} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{103} + x^{101} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} + x^{91} + x^{90} + x^{89} + x^{87} \\
&\quad + x^{84} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{73} + x^{71} + x^{68} + x^{66} + x^{65} \\
&\quad + x^{64} + x^{63} + x^{62} + x^{57} + x^{55} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{45} \\
&\quad + x^{43} + x^{42} + x^{40} + x^{39} + x^{37} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{28} \\
&\quad + x^{26} + x^{22} + x^{19} + x^{18}, \\
p_6(x) &= x^{118} + x^{108} + x^{106} + x^{102} + x^{100} + x^{96} + x^{88} + x^{82} + x^{80} + x^{78} + x^{74} \\
&\quad + x^{70} + x^{68} + x^{66} + x^{64} + x^{58} + x^{48} + x^{46} + x^{40} + x^{36} + x^{32} + x^{28} \\
&\quad + x^{24} + x^{20} + x^{18} + x^{16} + x^{14} + x^{12}, \\
p_9(x) &= x^{133} + x^{131} + x^{128} + x^{126} + x^{124} + x^{122} + x^{121} + x^{120} + x^{119} + x^{118}
\end{aligned}$$

$$\begin{aligned}
& + x^{101} + x^{99} + x^{96} + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{69} \\
& + x^{67} + x^{64} + x^{62} + x^{60} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{37} + x^{35} \\
& + x^{32} + x^{30} + x^{28} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{19} + x^{16} \\
& + x^{14} + x^{12} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{148} + x^{144} + x^{136} + x^{128} + x^{116} + x^{104} + x^{96} + x^{84} + x^{72} + x^{64} \\
& + x^{52} + x^{40} + x^{36} + x^{24} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{160} + x^{145} + x^{144} + x^{143} + x^{141} + x^{139} + x^{136} + x^{135} + x^{134} + x^{132} \\
& + x^{131} + x^{129} + x^{128} + x^{125} + x^{123} + x^{118} + x^{117} + x^{116} + x^{114} \\
& + x^{113} + x^{110} + x^{109} + x^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} \\
& + x^{101} + x^{100} + x^{97} + x^{96} + x^{94} + x^{92} + x^{91} + x^{89} + x^{80} + x^{78} + x^{77} \\
& + x^{76} + x^{74} + x^{73} + x^{71} + x^{70} + x^{68} + x^{67} + x^{63} + x^{62} + x^{61} + x^{60} \\
& + x^{53} + x^{52} + x^{49} + x^{46} + x^{44} + x^{43} + x^{42} + x^{37} + x^{36} + x^{34} + x^{33}, \\
p_3(x) = & x^{115} + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{103} + x^{102} + x^{101} \\
& + x^{99} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{88} + x^{86} + x^{84} + x^{82} + x^{80} \\
& + x^{78} + x^{76} + x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} \\
& + x^{58} + x^{57} + x^{56} + x^{55} + x^{53} + x^{50} + x^{49} + x^{48} + x^{46} + x^{43} + x^{42} \\
& + x^{41} + x^{39} + x^{36} + x^{35} + x^{34} + x^{32} + x^{29} + x^{28} + x^{23} + x^{19} + x^{18}, \\
p_6(x) = & x^{130} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{108} + x^{106} + x^{96} + x^{88} \\
& + x^{86} + x^{80} + x^{76} + x^{74} + x^{72} + x^{68} + x^{66} + x^{62} + x^{60} + x^{56} + x^{48} \\
& + x^{40} + x^{38} + x^{34} + x^{32} + x^{30} + x^{28} + x^{22} + x^{14} + x^{12}, \\
p_9(x) = & x^{145} + x^{143} + x^{140} + x^{138} + x^{136} + x^{134} + x^{133} + x^{132} + x^{131} + x^{130} \\
& + x^{125} + x^{123} + x^{121} + x^{120} + x^{119} + x^{118} + x^{113} + x^{111} + x^{108} \\
& + x^{106} + x^{104} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{93} + x^{91} + x^{89} \\
& + x^{88} + x^{87} + x^{86} + x^{81} + x^{79} + x^{76} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} \\
& + x^{67} + x^{66} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{49} + x^{47} + x^{44} \\
& + x^{42} + x^{40} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{31} + x^{29} + x^{28} \\
& + x^{27} + x^{26} + x^{25} + x^{23} + x^{21} + x^{20} + x^{19} + x^{18} + x^{13} + x^{11} + x^9 \\
& + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{160} + x^{156} + x^{148} + x^{132} + x^{128} + x^{124} + x^{112} + x^{100} + x^{96} + x^{92} \\
& + x^{80} + x^{68} + x^{64} + x^{60} + x^{44} + x^{16} + x^4 + 1,
\end{aligned}$$

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

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

$$p_0(x) = x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{136} + x^{135} + x^{132} + x^{131}$$

$$\begin{aligned}
& + x^{130} + x^{129} + x^{128} + x^{125} + x^{123} + x^{122} + x^{120} + x^{119} + x^{117} \\
& + x^{116} + x^{115} + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{106} + x^{105} \\
& + x^{104} + x^{102} + x^{100} + x^{97} + x^{95} + x^{94} + x^{93} + x^{89} + x^{83} + x^{82} + x^{81} \\
& + x^{80} + x^{77} + x^{76} + x^{75} + x^{74} + x^{68} + x^{66} + x^{65} + x^{64} + x^{63} + x^{60} \\
& + x^{59} + x^{58} + x^{57} + x^{56} + x^{52} + x^{50} + x^{49} + x^{44} + x^{42}, \\
p_3(x) = & x^{127} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{112} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{105} + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{96} \\
& + x^{95} + x^{93} + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{84} + x^{79} + x^{78} \\
& + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{70} + x^{69} + x^{68} + x^{66} + x^{64} + x^{63} \\
& + x^{59} + x^{57} + x^{56} + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{42} + x^{41} + x^{40} \\
& + x^{38} + x^{35} + x^{34} + x^{33} + x^{30} + x^{27} + x^{25} + x^{24} + x^{22}, \\
p_6(x) = & x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{132} + x^{129} + x^{127} + x^{125} \\
& + x^{124} + x^{119} + x^{117} + x^{114} + x^{110} + x^{108} + x^{106} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{99} + x^{98} + x^{93} + x^{92} + x^{87} + x^{85} + x^{84} + x^{83} \\
& + x^{82} + x^{81} + x^{80} + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} \\
& + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{62} + x^{60} + x^{59} + x^{56} + x^{52} + x^{51} \\
& + x^{49} + x^{48} + x^{46} + x^{45} + x^{39} + x^{38} + x^{36} + x^{33} + x^{32} + x^{31} + x^{29} \\
& + x^{28} + x^{24} + x^{22} + x^{20} + x^{19} + x^{17} + x^{12} + x^{10} + x^8 + x^6 + x^4 + x^3 \\
& + x^2 + x + 1, \\
p_9(x) = & x^{127} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{95} + x^{93} + x^{91} + x^{90} \\
& + x^{89} + x^{88} + x^{63} + x^{61} + x^{59} + x^{58} + x^{57} + x^{56} + x^{31} + x^{29} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{15} + x^{13} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} \\
& + x^{121} + x^{118} + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} \\
& + x^{107} + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{91} + x^{89} + x^{86} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} \\
& + x^{76} + x^{75} + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} \\
& + x^{61} + x^{60} + x^{59} + x^{57} + x^{54} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} \\
& + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{23} + x^{21} + x^{18} + x^{16} \\
& + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{136} + x^{135} + x^{132} + x^{131} \\
& + x^{130} + x^{129} + x^{128} + x^{127} + x^{121} + x^{117} + x^{116} + x^{115} + x^{114}
\end{aligned}$$

$$\begin{aligned}
& + x^{112} + x^{109} + x^{107} + x^{103} + x^{102} + x^{101} + x^{100} + x^{98} + x^{96} + x^{95} \\
& + x^{90} + x^{88} + x^{87} + x^{86} + x^{85} + x^{83} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} \\
& + x^{74} + x^{72} + x^{71} + x^{68} + x^{67} + x^{66} + x^{64} + x^{62} + x^{61} + x^{57} + x^{56} \\
& + x^{52} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{41} + x^{39} + x^{38} + x^{37} \\
& + x^{36} + x^{32} + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24}, \\
p_3(x) = & x^{127} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{112} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{107} + x^{101} + x^{97} + x^{96} + x^{95} + x^{94} + x^{92} \\
& + x^{89} + x^{87} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} \\
& + x^{74} + x^{72} + x^{69} + x^{67} + x^{65} + x^{63} + x^{56} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} + x^{34} + x^{33} + x^{31} \\
& + x^{25} + x^{24} + x^{21} + x^{19} + x^{18} + x^{17} + x^{16}, \\
p_6(x) = & x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{132} + x^{129} + x^{124} + x^{123} \\
& + x^{122} + x^{121} + x^{120} + x^{119} + x^{115} + x^{114} + x^{112} + x^{109} + x^{107} \\
& + x^{105} + x^{104} + x^{102} + x^{101} + x^{99} + x^{97} + x^{94} + x^{91} + x^{90} + x^{89} \\
& + x^{85} + x^{83} + x^{81} + x^{79} + x^{78} + x^{77} + x^{71} + x^{70} + x^{68} + x^{65} + x^{63} \\
& + x^{55} + x^{54} + x^{53} + x^{51} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{43} + x^{42} \\
& + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} + x^{31} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} \\
& + x^{18} + x^{15} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1, \\
p_9(x) = & x^{127} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{95} + x^{93} + x^{91} + x^{90} \\
& + x^{89} + x^{88} + x^{63} + x^{61} + x^{59} + x^{58} + x^{57} + x^{56} + x^{31} + x^{29} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{15} + x^{13} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} \\
& + x^{121} + x^{118} + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} \\
& + x^{107} + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{91} + x^{89} + x^{86} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} \\
& + x^{76} + x^{75} + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} \\
& + x^{61} + x^{60} + x^{59} + x^{57} + x^{54} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} \\
& + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{23} + x^{21} + x^{18} + x^{16} \\
& + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{160} + x^{145} + x^{144} + x^{143} + x^{141} + x^{139} + x^{136} + x^{135} + x^{134} + x^{132} \\
& + x^{131} + x^{129} + x^{128} + x^{125} + x^{123} + x^{118} + x^{117} + x^{116} + x^{114} \\
& + x^{113} + x^{110} + x^{109} + x^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102}
\end{aligned}$$

$$\begin{aligned}
& + x^{101} + x^{100} + x^{97} + x^{96} + x^{94} + x^{92} + x^{91} + x^{89} + x^{80} + x^{78} + x^{77} \\
& + x^{76} + x^{74} + x^{73} + x^{71} + x^{70} + x^{68} + x^{67} + x^{63} + x^{62} + x^{61} + x^{60} \\
& + x^{53} + x^{52} + x^{49} + x^{46} + x^{44} + x^{43} + x^{42} + x^{37} + x^{36} + x^{34} + x^{33}, \\
p_3(x) = & x^{115} + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{103} + x^{102} + x^{101} \\
& + x^{99} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{88} + x^{86} + x^{84} + x^{82} + x^{80} \\
& + x^{78} + x^{76} + x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} \\
& + x^{58} + x^{57} + x^{56} + x^{55} + x^{53} + x^{50} + x^{49} + x^{48} + x^{46} + x^{43} + x^{42} \\
& + x^{41} + x^{39} + x^{36} + x^{35} + x^{34} + x^{32} + x^{29} + x^{28} + x^{23} + x^{19} + x^{18}, \\
p_6(x) = & x^{130} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{108} + x^{106} + x^{96} + x^{88} \\
& + x^{86} + x^{80} + x^{76} + x^{74} + x^{72} + x^{68} + x^{66} + x^{62} + x^{60} + x^{56} + x^{48} \\
& + x^{40} + x^{38} + x^{34} + x^{32} + x^{30} + x^{28} + x^{22} + x^{14} + x^{12}, \\
p_9(x) = & x^{145} + x^{143} + x^{140} + x^{138} + x^{136} + x^{134} + x^{133} + x^{132} + x^{131} + x^{130} \\
& + x^{125} + x^{123} + x^{121} + x^{120} + x^{119} + x^{118} + x^{113} + x^{111} + x^{108} \\
& + x^{106} + x^{104} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{93} + x^{91} + x^{89} \\
& + x^{88} + x^{87} + x^{86} + x^{81} + x^{79} + x^{76} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} \\
& + x^{67} + x^{66} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{49} + x^{47} + x^{44} \\
& + x^{42} + x^{40} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{31} + x^{29} + x^{28} \\
& + x^{27} + x^{26} + x^{25} + x^{23} + x^{21} + x^{20} + x^{19} + x^{18} + x^{13} + x^{11} + x^9 \\
& + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{160} + x^{156} + x^{148} + x^{132} + x^{128} + x^{124} + x^{112} + x^{100} + x^{96} + x^{92} \\
& + x^{80} + x^{68} + x^{64} + x^{60} + x^{44} + x^{16} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{123} + x^{122} + x^{120} \\
& + x^{119} + x^{118} + x^{117} + x^{110} + x^{102} + x^{99} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{88} + x^{87} + x^{86} + x^{83} + x^{78} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{66} \\
& + x^{64} + x^{63} + x^{62} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} + x^{52} + x^{49} + x^{48} \\
& + x^{46} + x^{44} + x^{40} + x^{39} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{103} + x^{101} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} + x^{91} + x^{90} + x^{89} + x^{87} \\
& + x^{84} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{73} + x^{71} + x^{68} + x^{66} + x^{65} \\
& + x^{64} + x^{63} + x^{62} + x^{57} + x^{55} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{45} \\
& + x^{43} + x^{42} + x^{40} + x^{39} + x^{37} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{28} \\
& + x^{26} + x^{22} + x^{19} + x^{18}, \\
p_6(x) = & x^{118} + x^{108} + x^{106} + x^{102} + x^{100} + x^{96} + x^{88} + x^{82} + x^{80} + x^{78} + x^{74} \\
& + x^{70} + x^{68} + x^{66} + x^{64} + x^{58} + x^{48} + x^{46} + x^{40} + x^{36} + x^{32} + x^{28}
\end{aligned}$$

$$\begin{aligned}
& + x^{24} + x^{20} + x^{18} + x^{16} + x^{14} + x^{12}, \\
p_9(x) &= x^{133} + x^{131} + x^{128} + x^{126} + x^{124} + x^{122} + x^{121} + x^{120} + x^{119} + x^{118} \\
& + x^{101} + x^{99} + x^{96} + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{69} \\
& + x^{67} + x^{64} + x^{62} + x^{60} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{37} + x^{35} \\
& + x^{32} + x^{30} + x^{28} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{19} + x^{16} \\
& + x^{14} + x^{12} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) &= x^{148} + x^{144} + x^{136} + x^{128} + x^{116} + x^{104} + x^{96} + x^{84} + x^{72} + x^{64} \\
& + x^{52} + x^{40} + x^{36} + x^{24} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{136} + x^{135} + x^{132} + x^{131} \\
& + x^{130} + x^{129} + x^{128} + x^{125} + x^{123} + x^{122} + x^{120} + x^{119} + x^{117} \\
& + x^{116} + x^{115} + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{106} + x^{105} \\
& + x^{104} + x^{102} + x^{100} + x^{97} + x^{95} + x^{94} + x^{93} + x^{89} + x^{83} + x^{82} + x^{81} \\
& + x^{80} + x^{77} + x^{76} + x^{75} + x^{74} + x^{68} + x^{66} + x^{65} + x^{64} + x^{63} + x^{60} \\
& + x^{59} + x^{58} + x^{57} + x^{56} + x^{52} + x^{50} + x^{49} + x^{44} + x^{42}, \\
p_3(x) &= x^{127} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{112} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{105} + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{96} \\
& + x^{95} + x^{93} + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{84} + x^{79} + x^{78} \\
& + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{70} + x^{69} + x^{68} + x^{66} + x^{64} + x^{63} \\
& + x^{59} + x^{57} + x^{56} + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{42} + x^{41} + x^{40} \\
& + x^{38} + x^{35} + x^{34} + x^{33} + x^{30} + x^{27} + x^{25} + x^{24} + x^{22}, \\
p_6(x) &= x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{132} + x^{129} + x^{127} + x^{125} \\
& + x^{124} + x^{119} + x^{117} + x^{114} + x^{110} + x^{108} + x^{106} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{99} + x^{98} + x^{93} + x^{92} + x^{87} + x^{85} + x^{84} + x^{83} \\
& + x^{82} + x^{81} + x^{80} + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} \\
& + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{62} + x^{60} + x^{59} + x^{56} + x^{52} + x^{51} \\
& + x^{49} + x^{48} + x^{46} + x^{45} + x^{39} + x^{38} + x^{36} + x^{33} + x^{32} + x^{31} + x^{29} \\
& + x^{28} + x^{24} + x^{22} + x^{20} + x^{19} + x^{17} + x^{12} + x^{10} + x^8 + x^6 + x^4 + x^3 \\
& + x^2 + x + 1, \\
p_9(x) &= x^{127} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{95} + x^{93} + x^{91} + x^{90} \\
& + x^{89} + x^{88} + x^{63} + x^{61} + x^{59} + x^{58} + x^{57} + x^{56} + x^{31} + x^{29} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{15} + x^{13} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) &= x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123}
\end{aligned}$$

$$\begin{aligned}
& + x^{121} + x^{118} + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} \\
& + x^{107} + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{91} + x^{89} + x^{86} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} \\
& + x^{76} + x^{75} + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} \\
& + x^{61} + x^{60} + x^{59} + x^{57} + x^{54} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} \\
& + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{23} + x^{21} + x^{18} + x^{16} \\
& + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

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	[5181, 4462]	6076	[5280, 8356]	9114	[11221, 8251]
1	[3, 4]	3039	[5182, 5183]	6077	[8854, 8855]	9115	[11119, 2294]
2	[5, 6]	3040	[5184, 5185]	6078	[4828, 1594]	9116	[10719, 11222]
3	[7, 8]	3041	[5186, 1812]	6079	[5219, 8856]	9117	[11223, 7376]
4	[9, 10]	3042	[4757, 5187]	6080	[306, 8857]	9118	[2786, 5790]
5	[11, 12]	3043	[4239, 5188]	6081	[8858, 8859]	9119	[2470, 11224]
6	[13, 14]	3044	[3381, 5189]	6082	[8460, 8860]	9120	[11225, 11226]
7	[15, 16]	3045	[5190, 1414]	6083	[3967, 8861]	9121	[11227, 10859]
8	[17, 18]	3046	[1234, 5191]	6084	[4806, 8862]	9122	[11187, 1971]
9	[19, 20]	3047	[3905, 5192]	6085	[8863, 8864]	9123	[7791, 6000]
10	[21, 22]	3048	[5193, 4442]	6086	[8865, 8866]	9124	[2529, 5821]
11	[23, 24]	3049	[5194, 979]	6087	[8867, 8495]	9125	[7736, 7400]
12	[25, 26]	3050	[5195, 5196]	6088	[4490, 4031]	9126	[11228, 11229]
13	[27, 28]	3051	[5197, 6]	6089	[5210, 5337]	9127	[2611, 6709]
14	[29, 30]	3052	[5198, 5199]	6090	[5003, 8868]	9128	[7565, 7392]
15	[31, 32]	3053	[5200, 5201]	6091	[8869, 8870]	9129	[7466, 10609]
16	[33, 34]	3054	[5202, 5203]	6092	[4777, 8871]	9130	[11230, 11231]
17	[35, 36]	3055	[5204, 4439]	6093	[4749, 8710]	9131	[10940, 2683]
18	[37, 38]	3056	[5205, 4681]	6094	[8872, 5236]	9132	[793, 8118]
19	[39, 40]	3057	[5206, 5207]	6095	[8873, 8874]	9133	[11232, 11233]
20	[41, 42]	3058	[5208, 3735]	6096	[8875, 8876]	9134	[10828, 11234]
21	[43, 44]	3059	[5209, 4163]	6097	[1773, 4603]	9135	[11095, 11235]
22	[45, 46]	3060	[76, 4189]	6098	[8877, 8878]	9136	[6023, 1993]
23	[47, 48]	3061	[988, 3615]	6099	[8879, 8880]	9137	[8177, 6036]
24	[49, 50]	3062	[1466, 5210]	6100	[1503, 1508]	9138	[11236, 8238]
25	[51, 52]	3063	[5211, 3362]	6101	[8881, 5375]	9139	[35, 3263]
26	[53, 54]	3064	[1281, 5212]	6102	[8882, 8480]	9140	[2138, 2431]
27	[55, 56]	3065	[5213, 5214]	6103	[8573, 4711]	9141	[3094, 947]
28	[57, 58]	3066	[5215, 1102]	6104	[3436, 4576]	9142	[11046, 11237]
29	[59, 60]	3067	[5216, 5217]	6105	[8883, 8884]	9143	[11238, 6561]

30	[61, 62]	3068	[5218, 3449]	6106	[8885, 8886]	9144	[11239, 7600]
31	[63, 64]	3069	[3429, 5219]	6107	[1114, 8887]	9145	[11240, 11241]
32	[65, 66]	3070	[5220, 5221]	6108	[8845, 322]	9146	[2381, 7538]
33	[67, 68]	3071	[5222, 5223]	6109	[8888, 3396]	9147	[11242, 10630]
34	[69, 70]	3072	[4394, 5224]	6110	[486, 475]	9148	[11243, 10787]
35	[71, 72]	3073	[5225, 5226]	6111	[5182, 4334]	9149	[11244, 11245]
36	[73, 74]	3074	[5227, 306]	6112	[3970, 8665]	9150	[11246, 7980]
37	[75, 76]	3075	[3743, 5228]	6113	[8889, 8890]	9151	[6376, 11247]
38	[77, 78]	3076	[5229, 1827]	6114	[1273, 5501]	9152	[11248, 11249]
39	[79, 80]	3077	[5230, 1831]	6115	[4262, 379]	9153	[11250, 3331]
40	[81, 82]	3078	[5231, 5232]	6116	[8891, 8892]	9154	[11251, 10712]
41	[83, 84]	3079	[5233, 5234]	6117	[1515, 8893]	9155	[3235, 2338]
42	[85, 86]	3080	[500, 118]	6118	[8894, 8895]	9156	[2744, 6012]
43	[87, 88]	3081	[5235, 342]	6119	[8896, 8897]	9157	[7364, 11252]
44	[89, 90]	3082	[5236, 5196]	6120	[8898, 8899]	9158	[2666, 8026]
45	[91, 92]	3083	[3772, 5237]	6121	[8900, 8901]	9159	[5837, 11253]
46	[93, 94]	3084	[5238, 383]	6122	[8479, 8902]	9160	[3266, 8097]
47	[95, 96]	3085	[5239, 5240]	6123	[8903, 8904]	9161	[11254, 7068]
48	[97, 98]	3086	[5241, 5242]	6124	[8905, 1645]	9162	[7685, 11255]
49	[99, 100]	3087	[5243, 5244]	6125	[8906, 8907]	9163	[7556, 2240]
50	[101, 102]	3088	[5245, 5046]	6126	[8908, 8909]	9164	[11256, 11257]
51	[103, 104]	3089	[5246, 5247]	6127	[8910, 8911]	9165	[606, 10962]
52	[105, 106]	3090	[5248, 4326]	6128	[5124, 8912]	9166	[11108, 11258]
53	[107, 108]	3091	[5249, 5250]	6129	[8913, 5359]	9167	[11259, 11260]
54	[109, 110]	3092	[4107, 5251]	6130	[8914, 8915]	9168	[6447, 11261]
55	[111, 112]	3093	[5252, 4658]	6131	[8916, 8811]	9169	[11156, 6567]
56	[113, 114]	3094	[5253, 5254]	6132	[1015, 8917]	9170	[11262, 11263]
57	[115, 116]	3095	[3507, 5255]	6133	[8918, 4468]	9171	[11264, 2691]
58	[117, 118]	3096	[16, 5256]	6134	[8400, 5067]	9172	[11265, 11266]
59	[119, 120]	3097	[5257, 5258]	6135	[8919, 5069]	9173	[10684, 2205]
60	[121, 122]	3098	[1677, 1338]	6136	[1741, 5071]	9174	[7998, 11267]
61	[123, 124]	3099	[5259, 5260]	6137	[8920, 5073]	9175	[8206, 2095]
62	[125, 126]	3100	[5261, 5262]	6138	[8921, 390]	9176	[700, 2725]
63	[127, 128]	3101	[5263, 413]	6139	[8922, 8923]	9177	[570, 11268]
64	[129, 130]	3102	[1405, 5264]	6140	[8924, 8925]	9178	[5710, 7929]
65	[131, 132]	3103	[1317, 5265]	6141	[8926, 8927]	9179	[11269, 7407]
66	[133, 134]	3104	[5266, 5267]	6142	[8928, 8929]	9180	[11270, 11271]
67	[135, 136]	3105	[5268, 5269]	6143	[3867, 8930]	9181	[10830, 6149]
68	[137, 138]	3106	[3506, 5270]	6144	[8931, 396]	9182	[797, 7402]
69	[139, 140]	3107	[71, 5271]	6145	[8932, 8933]	9183	[2276, 7673]
70	[141, 142]	3108	[5272, 1262]	6146	[8934, 4844]	9184	[7365, 7229]
71	[143, 144]	3109	[5273, 1133]	6147	[3864, 4674]	9185	[1952, 10926]
72	[145, 146]	3110	[4670, 5274]	6148	[1284, 1613]	9186	[6330, 2685]
73	[147, 148]	3111	[5275, 5276]	6149	[8935, 8936]	9187	[11272, 8058]

74	[149, 150]	3112	[4819, 5277]	6150	[8279, 8937]	9188	[6060, 6506]
75	[151, 152]	3113	[5278, 1510]	6151	[3677, 5173]	9189	[6548, 11273]
76	[153, 154]	3114	[5279, 4655]	6152	[8938, 8939]	9190	[1965, 11274]
77	[155, 156]	3115	[5280, 5281]	6153	[1609, 8940]	9191	[5610, 866]
78	[157, 158]	3116	[1330, 5282]	6154	[8718, 8941]	9192	[2750, 11275]
79	[159, 160]	3117	[5283, 1755]	6155	[8942, 8943]	9193	[11276, 11277]
80	[161, 162]	3118	[5284, 5285]	6156	[8825, 69]	9194	[5615, 11278]
81	[163, 164]	3119	[5286, 5287]	6157	[1657, 1370]	9195	[11279, 11280]
82	[165, 166]	3120	[5288, 5289]	6158	[3483, 8527]	9196	[2123, 7102]
83	[167, 168]	3121	[5290, 5291]	6159	[8944, 8945]	9197	[11281, 2407]
84	[169, 170]	3122	[5292, 5146]	6160	[8946, 4786]	9198	[7651, 1943]
85	[171, 172]	3123	[5293, 5294]	6161	[3634, 8545]	9199	[11282, 2355]
86	[173, 174]	3124	[1390, 1710]	6162	[8947, 8948]	9200	[7759, 11283]
87	[175, 176]	3125	[5295, 5296]	6163	[8949, 8950]	9201	[11284, 11285]
88	[177, 178]	3126	[5297, 3812]	6164	[5176, 8951]	9202	[11286, 11127]
89	[179, 180]	3127	[5298, 5299]	6165	[5178, 1381]	9203	[2394, 2193]
90	[181, 182]	3128	[5300, 1032]	6166	[3928, 8683]	9204	[2335, 5723]
91	[183, 184]	3129	[5254, 4656]	6167	[8952, 8953]	9205	[11287, 8044]
92	[185, 186]	3130	[5301, 1065]	6168	[4579, 8954]	9206	[11288, 850]
93	[187, 188]	3131	[5302, 5303]	6169	[8955, 8956]	9207	[7912, 11235]
94	[189, 190]	3132	[4838, 4973]	6170	[5335, 425]	9208	[7136, 11289]
95	[191, 192]	3133	[5304, 5305]	6171	[5105, 8957]	9209	[1842, 10833]
96	[193, 194]	3134	[1181, 1258]	6172	[8467, 8432]	9210	[11290, 3321]
97	[195, 196]	3135	[5306, 4535]	6173	[4494, 1832]	9211	[10742, 8150]
98	[197, 198]	3136	[5307, 267]	6174	[8958, 4103]	9212	[576, 7859]
99	[199, 200]	3137	[3445, 5308]	6175	[8959, 8454]	9213	[11291, 5668]
100	[201, 202]	3138	[3616, 5309]	6176	[8960, 8961]	9214	[11292, 11293]
101	[203, 204]	3139	[5223, 5310]	6177	[3478, 8962]	9215	[11294, 7478]
102	[205, 206]	3140	[5311, 5312]	6178	[3767, 8963]	9216	[7070, 10621]
103	[207, 208]	3141	[5313, 1281]	6179	[5138, 3427]	9217	[11295, 11296]
104	[209, 210]	3142	[4765, 4713]	6180	[8964, 8677]	9218	[11297, 11298]
105	[211, 212]	3143	[5314, 5315]	6181	[1562, 8965]	9219	[1939, 11299]
106	[213, 214]	3144	[5316, 5317]	6182	[5068, 8966]	9220	[705, 3159]
107	[215, 216]	3145	[5318, 5319]	6183	[8367, 8967]	9221	[11300, 7766]
108	[217, 218]	3146	[5320, 5321]	6184	[8968, 8696]	9222	[7523, 6551]
109	[219, 220]	3147	[5322, 5323]	6185	[8969, 8970]	9223	[842, 5820]
110	[221, 222]	3148	[5324, 5325]	6186	[8971, 4521]	9224	[7195, 141]
111	[223, 224]	3149	[77, 1213]	6187	[8972, 5279]	9225	[6214, 7696]
112	[225, 226]	3150	[4418, 4917]	6188	[8511, 8973]	9226	[11301, 11302]
113	[227, 228]	3151	[5326, 5327]	6189	[8974, 8975]	9227	[6300, 2393]
114	[229, 230]	3152	[5328, 5329]	6190	[8976, 4876]	9228	[11303, 7335]
115	[231, 232]	3153	[5330, 5331]	6191	[8977, 8978]	9229	[11304, 7976]
116	[233, 234]	3154	[5332, 5333]	6192	[4341, 1454]	9230	[11305, 3004]
117	[235, 236]	3155	[5334, 4492]	6193	[8979, 8980]	9231	[5886, 2883]

118	[237, 238]	3156	[5335, 5336]	6194	[8981, 4788]	9232	[751, 7179]
119	[239, 240]	3157	[5309, 4263]	6195	[8982, 8849]	9233	[184, 2851]
120	[241, 242]	3158	[5337, 5338]	6196	[5332, 4238]	9234	[11306, 7595]
121	[243, 244]	3159	[5339, 5340]	6197	[8983, 8984]	9235	[11180, 7631]
122	[245, 246]	3160	[1528, 5341]	6198	[8985, 1237]	9236	[11068, 11307]
123	[247, 248]	3161	[427, 5242]	6199	[8986, 8987]	9237	[11308, 11309]
124	[249, 250]	3162	[5342, 4406]	6200	[8988, 8989]	9238	[2619, 11088]
125	[251, 252]	3163	[1552, 5308]	6201	[8990, 5006]	9239	[11310, 11311]
126	[253, 254]	3164	[4522, 5343]	6202	[8991, 8992]	9240	[11312, 5697]
127	[255, 256]	3165	[5344, 5345]	6203	[4026, 8564]	9241	[6141, 11313]
128	[257, 258]	3166	[5346, 5347]	6204	[8993, 5441]	9242	[2778, 11314]
129	[259, 260]	3167	[4097, 5348]	6205	[8950, 8994]	9243	[7393, 10651]
130	[261, 262]	3168	[5349, 1670]	6206	[374, 8995]	9244	[11164, 11315]
131	[263, 264]	3169	[5350, 4118]	6207	[4652, 8976]	9245	[5686, 6664]
132	[265, 266]	3170	[3565, 3535]	6208	[8996, 3416]	9246	[2751, 11316]
133	[267, 268]	3171	[5351, 5352]	6209	[8997, 4238]	9247	[6066, 11317]
134	[269, 270]	3172	[5353, 5354]	6210	[8998, 8999]	9248	[11318, 11319]
135	[271, 272]	3173	[1101, 5355]	6211	[5320, 9000]	9249	[11320, 10758]
136	[273, 274]	3174	[5356, 5357]	6212	[8731, 9001]	9250	[11321, 11322]
137	[275, 82]	3175	[5358, 4717]	6213	[9002, 1073]	9251	[771, 616]
138	[276, 277]	3176	[5359, 5360]	6214	[402, 4582]	9252	[7409, 11323]
139	[278, 279]	3177	[5361, 4386]	6215	[3687, 9003]	9253	[2320, 857]
140	[280, 281]	3178	[436, 5362]	6216	[4948, 9004]	9254	[1992, 581]
141	[282, 283]	3179	[5363, 5364]	6217	[9005, 9006]	9255	[5643, 11324]
142	[284, 285]	3180	[5365, 5366]	6218	[9007, 8806]	9256	[11325, 7479]
143	[286, 287]	3181	[5367, 4910]	6219	[8776, 5005]	9257	[11326, 7962]
144	[288, 289]	3182	[5368, 5369]	6220	[9008, 9009]	9258	[11327, 7827]
145	[290, 291]	3183	[5370, 5273]	6221	[9010, 9011]	9259	[2114, 2679]
146	[292, 293]	3184	[5178, 469]	6222	[8692, 1694]	9260	[6250, 11023]
147	[294, 295]	3185	[4748, 5371]	6223	[1456, 9012]	9261	[11328, 11329]
148	[296, 297]	3186	[5372, 5373]	6224	[8440, 1770]	9262	[11224, 3096]
149	[298, 299]	3187	[3963, 5374]	6225	[9013, 9014]	9263	[11330, 2279]
150	[300, 301]	3188	[5375, 3521]	6226	[9015, 5321]	9264	[7413, 34]
151	[302, 303]	3189	[5376, 457]	6227	[1007, 9016]	9265	[11331, 6176]
152	[304, 305]	3190	[5377, 5378]	6228	[8283, 9017]	9266	[2048, 6734]
153	[306, 307]	3191	[5379, 3590]	6229	[9018, 9019]	9267	[11063, 570]
154	[308, 309]	3192	[3925, 4869]	6230	[4500, 9020]	9268	[11149, 11332]
155	[310, 311]	3193	[5380, 5368]	6231	[1161, 3858]	9269	[10660, 11333]
156	[312, 313]	3194	[5381, 5382]	6232	[9021, 9022]	9270	[6598, 11195]
157	[314, 315]	3195	[5383, 5041]	6233	[9023, 3808]	9271	[3308, 11334]
158	[316, 317]	3196	[5384, 5385]	6234	[9024, 4385]	9272	[11335, 11336]
159	[318, 319]	3197	[5386, 5387]	6235	[9025, 9026]	9273	[2636, 8175]
160	[320, 321]	3198	[5388, 5389]	6236	[9027, 1107]	9274	[11337, 11338]
161	[322, 323]	3199	[5390, 5391]	6237	[4942, 8787]	9275	[11339, 2082]

162	[324, 325]	3200	[5392, 5393]	6238	[9028, 8707]	9276	[11340, 2748]
163	[326, 327]	3201	[1169, 4091]	6239	[9029, 9030]	9277	[11341, 6677]
164	[328, 329]	3202	[5394, 3458]	6240	[4380, 9031]	9278	[10598, 11031]
165	[330, 331]	3203	[5395, 5396]	6241	[321, 9032]	9279	[11342, 2322]
166	[332, 333]	3204	[5397, 1392]	6242	[9033, 4229]	9280	[11343, 5668]
167	[334, 335]	3205	[5398, 4620]	6243	[9034, 9035]	9281	[7841, 2498]
168	[336, 337]	3206	[5399, 5400]	6244	[9036, 9037]	9282	[11344, 11345]
169	[338, 339]	3207	[5019, 1073]	6245	[3960, 1137]	9283	[11346, 11347]
170	[340, 341]	3208	[126, 4024]	6246	[9038, 9039]	9284	[10821, 11348]
171	[342, 343]	3209	[5401, 5402]	6247	[9040, 9041]	9285	[3251, 11349]
172	[344, 345]	3210	[5403, 5404]	6248	[9042, 1093]	9286	[11350, 11025]
173	[346, 347]	3211	[5389, 5405]	6249	[9043, 9044]	9287	[10924, 5832]
174	[348, 349]	3212	[3761, 3566]	6250	[4600, 4578]	9288	[11158, 7079]
175	[350, 351]	3213	[5406, 5407]	6251	[3891, 9045]	9289	[2406, 11351]
176	[352, 353]	3214	[5408, 5409]	6252	[3529, 4394]	9290	[11352, 831]
177	[354, 355]	3215	[5410, 5411]	6253	[9046, 9047]	9291	[7228, 164]
178	[356, 357]	3216	[5412, 4115]	6254	[3446, 9048]	9292	[2369, 7405]
179	[358, 359]	3217	[5137, 4648]	6255	[1312, 9049]	9293	[8039, 5629]
180	[360, 361]	3218	[5413, 5414]	6256	[9050, 9050]	9294	[7239, 5643]
181	[362, 363]	3219	[1444, 5415]	6257	[8837, 4548]	9295	[11353, 11354]
182	[364, 365]	3220	[5416, 1539]	6258	[1693, 8783]	9296	[11355, 5781]
183	[366, 367]	3221	[5417, 3808]	6259	[9051, 9052]	9297	[11356, 1884]
184	[368, 369]	3222	[5418, 113]	6260	[3571, 9053]	9298	[5804, 890]
185	[370, 371]	3223	[3632, 5419]	6261	[9054, 4977]	9299	[6323, 5825]
186	[372, 373]	3224	[5420, 5421]	6262	[8969, 3351]	9300	[2656, 6641]
187	[86, 22]	3225	[5422, 4701]	6263	[9055, 9056]	9301	[10634, 11357]
188	[355, 374]	3226	[3619, 5423]	6264	[9057, 9058]	9302	[11358, 2123]
189	[375, 376]	3227	[5424, 3793]	6265	[9059, 9060]	9303	[11359, 6423]
190	[377, 378]	3228	[5425, 5426]	6266	[9061, 5121]	9304	[11360, 7554]
191	[379, 380]	3229	[5427, 5428]	6267	[4056, 5327]	9305	[2462, 11361]
192	[381, 382]	3230	[5429, 5430]	6268	[9062, 9063]	9306	[11362, 11363]
193	[383, 384]	3231	[4961, 5431]	6269	[406, 9064]	9307	[2432, 10920]
194	[385, 386]	3232	[5432, 5433]	6270	[9065, 9066]	9308	[157, 10944]
195	[387, 388]	3233	[5434, 5435]	6271	[9067, 9068]	9309	[202, 2057]
196	[389, 390]	3234	[4271, 5436]	6272	[4533, 5061]	9310	[11364, 11365]
197	[391, 392]	3235	[1713, 5437]	6273	[4567, 9069]	9311	[11352, 2748]
198	[393, 394]	3236	[5438, 5439]	6274	[4639, 9070]	9312	[2084, 7145]
199	[395, 396]	3237	[5440, 5441]	6275	[3348, 5172]	9313	[2752, 7805]
200	[397, 398]	3238	[1014, 5442]	6276	[5128, 9071]	9314	[2305, 2421]
201	[399, 400]	3239	[5443, 5444]	6277	[8916, 9072]	9315	[2827, 11366]
202	[401, 402]	3240	[5445, 4950]	6278	[4877, 8809]	9316	[3166, 6265]
203	[403, 404]	3241	[5446, 5447]	6279	[9073, 5075]	9317	[2091, 11367]
204	[405, 406]	3242	[5448, 5449]	6280	[9074, 9075]	9318	[11368, 2844]
205	[407, 408]	3243	[1586, 5450]	6281	[9076, 8377]	9319	[8195, 7560]

206	[409, 410]	3244	[5451, 3948]	6282	[4498, 9077]	9320	[6531, 3153]
207	[411, 412]	3245	[5452, 5453]	6283	[9078, 3474]	9321	[11369, 11370]
208	[413, 414]	3246	[4236, 1127]	6284	[4720, 3678]	9322	[6956, 3332]
209	[415, 416]	3247	[1032, 1013]	6285	[5187, 9079]	9323	[7866, 2922]
210	[417, 418]	3248	[270, 5454]	6286	[393, 9080]	9324	[11282, 11214]
211	[419, 420]	3249	[5455, 5456]	6287	[9081, 5440]	9325	[11371, 6620]
212	[421, 422]	3250	[4196, 5457]	6288	[3900, 9082]	9326	[8162, 6622]
213	[423, 424]	3251	[5458, 5459]	6289	[9083, 9084]	9327	[11372, 2569]
214	[425, 426]	3252	[5460, 5461]	6290	[3474, 9085]	9328	[11242, 11373]
215	[427, 428]	3253	[5462, 3533]	6291	[971, 5343]	9329	[6412, 11374]
216	[429, 430]	3254	[5463, 5464]	6292	[3986, 9086]	9330	[5587, 6212]
217	[431, 432]	3255	[5465, 5466]	6293	[8637, 9087]	9331	[10749, 8222]
218	[433, 434]	3256	[1729, 3939]	6294	[5034, 5112]	9332	[5780, 11375]
219	[435, 436]	3257	[4192, 5398]	6295	[9088, 4210]	9333	[7033, 6049]
220	[122, 437]	3258	[5467, 5468]	6296	[1513, 9089]	9334	[11376, 6285]
221	[438, 439]	3259	[5469, 5470]	6297	[8934, 326]	9335	[11377, 7449]
222	[440, 441]	3260	[5471, 5055]	6298	[8866, 9090]	9336	[11376, 2043]
223	[442, 443]	3261	[1443, 5302]	6299	[9091, 4246]	9337	[2385, 7835]
224	[444, 445]	3262	[5472, 5473]	6300	[8532, 9092]	9338	[3171, 11378]
225	[446, 326]	3263	[1194, 4499]	6301	[9093, 9094]	9339	[11379, 10863]
226	[447, 328]	3264	[5474, 5475]	6302	[9095, 9096]	9340	[6030, 5775]
227	[448, 449]	3265	[5476, 5477]	6303	[9097, 1775]	9341	[11167, 2678]
228	[450, 451]	3266	[1091, 4690]	6304	[1009, 8290]	9342	[7225, 11098]
229	[452, 453]	3267	[5478, 5479]	6305	[491, 9098]	9343	[5563, 7782]
230	[454, 455]	3268	[5170, 5480]	6306	[1089, 9099]	9344	[7306, 2267]
231	[124, 456]	3269	[1180, 1814]	6307	[1178, 9100]	9345	[5607, 11380]
232	[457, 299]	3270	[5481, 5482]	6308	[9101, 8712]	9346	[11381, 5630]
233	[458, 459]	3271	[3471, 1374]	6309	[9102, 9103]	9347	[5578, 10809]
234	[460, 461]	3272	[4039, 5483]	6310	[9104, 9105]	9348	[2377, 7104]
235	[462, 444]	3273	[5484, 4659]	6311	[9106, 9107]	9349	[7984, 1907]
236	[463, 464]	3274	[489, 5485]	6312	[4634, 9108]	9350	[3232, 179]
237	[465, 466]	3275	[5486, 5114]	6313	[9109, 8439]	9351	[5560, 11382]
238	[467, 468]	3276	[4630, 1425]	6314	[4222, 9110]	9352	[11383, 2694]
239	[469, 470]	3277	[5487, 1544]	6315	[9111, 9112]	9353	[6100, 782]
240	[471, 472]	3278	[5488, 5489]	6316	[9113, 9114]	9354	[11384, 11385]
241	[473, 474]	3279	[5490, 5491]	6317	[8454, 9115]	9355	[2597, 11116]
242	[475, 476]	3280	[5492, 5493]	6318	[4972, 4839]	9356	[10957, 915]
243	[477, 478]	3281	[4481, 5494]	6319	[9116, 4380]	9357	[10761, 762]
244	[479, 480]	3282	[5495, 5496]	6320	[9117, 1258]	9358	[11386, 11387]
245	[481, 482]	3283	[1525, 80]	6321	[9118, 5292]	9359	[11388, 7323]
246	[483, 484]	3284	[1212, 78]	6322	[9119, 9120]	9360	[8001, 11389]
247	[485, 486]	3285	[3609, 5373]	6323	[9121, 8588]	9361	[6837, 11390]
248	[487, 488]	3286	[5497, 1592]	6324	[9122, 8499]	9362	[763, 11391]
249	[489, 490]	3287	[5498, 5499]	6325	[8391, 5363]	9363	[11392, 8024]

250	[491, 492]	3288	[5500, 5501]	6326	[9123, 9124]	9364	[7666, 11393]
251	[493, 494]	3289	[1370, 1455]	6327	[9125, 276]	9365	[2475, 11382]
252	[495, 496]	3290	[5502, 5503]	6328	[4372, 1481]	9366	[8128, 2071]
253	[497, 498]	3291	[403, 3523]	6329	[9126, 9127]	9367	[11394, 6993]
254	[499, 500]	3292	[1819, 5504]	6330	[3485, 3434]	9368	[5763, 6268]
255	[501, 502]	3293	[5505, 5506]	6331	[5035, 9128]	9369	[3248, 7543]
256	[503, 504]	3294	[5507, 3395]	6332	[9129, 8303]	9370	[11395, 10896]
257	[505, 506]	3295	[5508, 5509]	6333	[1682, 9130]	9371	[11396, 11397]
258	[507, 508]	3296	[3986, 5510]	6334	[9131, 9132]	9372	[5903, 6291]
259	[509, 510]	3297	[5511, 5512]	6335	[9133, 9134]	9373	[2849, 11398]
260	[511, 512]	3298	[5513, 1085]	6336	[9135, 1119]	9374	[11399, 7790]
261	[513, 514]	3299	[5514, 4027]	6337	[8878, 1531]	9375	[2722, 11103]
262	[515, 516]	3300	[5515, 5516]	6338	[9136, 9137]	9376	[11400, 6581]
263	[517, 518]	3301	[5517, 339]	6339	[9138, 9139]	9377	[2976, 2911]
264	[519, 520]	3302	[5518, 5519]	6340	[4684, 1004]	9378	[7455, 7755]
265	[521, 522]	3303	[5520, 3345]	6341	[1621, 3413]	9379	[8081, 7351]
266	[523, 524]	3304	[1122, 5521]	6342	[1337, 4634]	9380	[11401, 7981]
267	[525, 526]	3305	[3406, 1559]	6343	[968, 8811]	9381	[11402, 11403]
268	[527, 528]	3306	[5350, 5522]	6344	[9140, 9141]	9382	[5950, 5712]
269	[529, 530]	3307	[3830, 5523]	6345	[9142, 9143]	9383	[7612, 6114]
270	[531, 532]	3308	[5524, 5525]	6346	[9144, 9145]	9384	[7296, 3144]
271	[533, 534]	3309	[5526, 5527]	6347	[4370, 3352]	9385	[6074, 2020]
272	[535, 536]	3310	[5528, 4450]	6348	[4741, 1499]	9386	[11404, 7873]
273	[537, 538]	3311	[5529, 1128]	6349	[1174, 9146]	9387	[564, 6617]
274	[539, 540]	3312	[5530, 5531]	6350	[9147, 5397]	9388	[2854, 7581]
275	[541, 542]	3313	[5532, 3463]	6351	[9148, 1161]	9389	[11405, 2299]
276	[543, 544]	3314	[5533, 5534]	6352	[3372, 9149]	9390	[7827, 10855]
277	[545, 546]	3315	[1179, 5535]	6353	[9150, 9151]	9391	[2784, 2718]
278	[547, 548]	3316	[4826, 5536]	6354	[3492, 4596]	9392	[6827, 10854]
279	[549, 550]	3317	[5537, 1480]	6355	[9152, 9153]	9393	[11406, 515]
280	[551, 552]	3318	[5538, 5539]	6356	[1502, 9154]	9394	[3151, 5883]
281	[553, 554]	3319	[5540, 4673]	6357	[9155, 9156]	9395	[6580, 11407]
282	[555, 556]	3320	[5541, 5542]	6358	[4195, 9157]	9396	[7269, 11408]
283	[557, 558]	3321	[5543, 1312]	6359	[8992, 9158]	9397	[3227, 1999]
284	[559, 560]	3322	[3811, 5544]	6360	[118, 1482]	9398	[11409, 7747]
285	[561, 562]	3323	[5545, 5546]	6361	[4647, 9159]	9399	[6520, 3033]
286	[563, 564]	3324	[1593, 5547]	6362	[420, 4200]	9400	[11410, 5621]
287	[565, 566]	3325	[5234, 4980]	6363	[8855, 4496]	9401	[11411, 11412]
288	[567, 568]	3326	[5548, 3376]	6364	[9160, 9161]	9402	[2416, 10933]
289	[569, 570]	3327	[5549, 5550]	6365	[277, 8281]	9403	[6115, 2292]
290	[571, 572]	3328	[5551, 5028]	6366	[9162, 8570]	9404	[781, 516]
291	[573, 574]	3329	[5037, 4480]	6367	[9163, 5419]	9405	[7172, 2529]
292	[575, 576]	3330	[1411, 4949]	6368	[9164, 9165]	9406	[7136, 11413]
293	[577, 578]	3331	[5552, 5553]	6369	[9166, 9167]	9407	[6295, 540]

294	[579, 580]	3332	[5554, 5555]	6370	[9168, 9169]	9408	[7087, 11414]
295	[581, 582]	3333	[5556, 5557]	6371	[9170, 9171]	9409	[11415, 11416]
296	[583, 584]	3334	[5558, 5559]	6372	[9172, 9173]	9410	[10856, 782]
297	[585, 586]	3335	[5560, 5561]	6373	[9174, 9175]	9411	[11417, 11258]
298	[587, 588]	3336	[5562, 5563]	6374	[500, 5200]	9412	[11247, 11418]
299	[589, 209]	3337	[2393, 5564]	6375	[9176, 9177]	9413	[6937, 11419]
300	[590, 591]	3338	[5565, 5566]	6376	[5093, 3933]	9414	[7840, 2023]
301	[592, 593]	3339	[5567, 5568]	6377	[9167, 9178]	9415	[843, 170]
302	[594, 595]	3340	[5569, 5570]	6378	[5400, 9084]	9416	[11383, 5932]
303	[596, 597]	3341	[5571, 5572]	6379	[1432, 9179]	9417	[6375, 11028]
304	[598, 599]	3342	[5573, 5574]	6380	[4588, 9180]	9418	[11420, 11421]
305	[600, 601]	3343	[5575, 5576]	6381	[9181, 9182]	9419	[5580, 6624]
306	[602, 603]	3344	[2331, 5577]	6382	[278, 4059]	9420	[2589, 11422]
307	[604, 605]	3345	[5578, 5579]	6383	[9183, 9184]	9421	[11061, 11198]
308	[606, 607]	3346	[5580, 5581]	6384	[3406, 9185]	9422	[3070, 11423]
309	[608, 609]	3347	[5582, 5583]	6385	[9186, 9187]	9423	[11424, 11237]
310	[180, 610]	3348	[2782, 5584]	6386	[4193, 9091]	9424	[5749, 11425]
311	[611, 612]	3349	[5585, 5586]	6387	[9188, 9189]	9425	[7835, 11426]
312	[613, 614]	3350	[5587, 5588]	6388	[4676, 5361]	9426	[11135, 8223]
313	[615, 616]	3351	[5589, 5590]	6389	[9190, 8922]	9427	[3241, 2539]
314	[617, 618]	3352	[5591, 5592]	6390	[4848, 4851]	9428	[6513, 10853]
315	[619, 620]	3353	[686, 5593]	6391	[4597, 9191]	9429	[2698, 10665]
316	[621, 622]	3354	[5594, 5595]	6392	[9192, 9193]	9430	[8145, 7830]
317	[623, 624]	3355	[5596, 224]	6393	[9194, 9028]	9431	[6216, 6856]
318	[625, 626]	3356	[3001, 5597]	6394	[9195, 9196]	9432	[11427, 7881]
319	[627, 628]	3357	[2843, 5598]	6395	[9197, 9198]	9433	[2321, 11428]
320	[629, 630]	3358	[1886, 5599]	6396	[9199, 9200]	9434	[11161, 6393]
321	[631, 632]	3359	[5600, 5601]	6397	[8303, 3952]	9435	[6017, 5635]
322	[633, 634]	3360	[5602, 5603]	6398	[9201, 9202]	9436	[7250, 7439]
323	[635, 636]	3361	[5604, 5605]	6399	[5154, 8680]	9437	[7522, 7395]
324	[637, 638]	3362	[5606, 5607]	6400	[9203, 9204]	9438	[2481, 11429]
325	[639, 640]	3363	[5608, 5609]	6401	[9205, 9206]	9439	[11430, 11409]
326	[641, 642]	3364	[5610, 5611]	6402	[9168, 9207]	9440	[10647, 7718]
327	[643, 644]	3365	[771, 5612]	6403	[8437, 9017]	9441	[11431, 2054]
328	[645, 646]	3366	[5613, 5614]	6404	[9208, 9073]	9442	[864, 182]
329	[647, 648]	3367	[5615, 5616]	6405	[3464, 9209]	9443	[7173, 11432]
330	[649, 650]	3368	[5617, 5618]	6406	[9210, 9211]	9444	[7702, 7495]
331	[651, 59]	3369	[5619, 5620]	6407	[4797, 1094]	9445	[3020, 7847]
332	[652, 653]	3370	[5621, 5622]	6408	[9212, 9213]	9446	[7394, 938]
333	[654, 655]	3371	[5623, 5624]	6409	[9214, 9215]	9447	[6613, 11433]
334	[656, 657]	3372	[5625, 5626]	6410	[1398, 4584]	9448	[5707, 2496]
335	[658, 659]	3373	[5627, 5628]	6411	[1670, 9216]	9449	[5630, 7401]
336	[660, 661]	3374	[3025, 5629]	6412	[8568, 9217]	9450	[11058, 7098]
337	[662, 663]	3375	[5630, 5631]	6413	[4685, 4903]	9451	[7883, 11434]

338	[664, 665]	3376	[5632, 5633]	6414	[1465, 4249]	9452	[11236, 7815]
339	[210, 666]	3377	[2452, 770]	6415	[9218, 3449]	9453	[2477, 7689]
340	[667, 668]	3378	[2285, 5634]	6416	[3901, 8943]	9454	[2067, 5626]
341	[669, 670]	3379	[5635, 5636]	6417	[9219, 1563]	9455	[7528, 5750]
342	[671, 672]	3380	[5637, 1956]	6418	[8755, 9220]	9456	[7850, 7237]
343	[673, 629]	3381	[5638, 5639]	6419	[9221, 3470]	9457	[7699, 1986]
344	[674, 675]	3382	[5640, 3040]	6420	[8382, 9222]	9458	[8241, 11435]
345	[676, 677]	3383	[5641, 5642]	6421	[8799, 9223]	9459	[2353, 11436]
346	[678, 679]	3384	[5643, 5644]	6422	[9224, 5541]	9460	[11009, 5674]
347	[680, 681]	3385	[2239, 2002]	6423	[8779, 9225]	9461	[11340, 831]
348	[682, 683]	3386	[5645, 5646]	6424	[9226, 9227]	9462	[8024, 11437]
349	[684, 685]	3387	[5647, 5648]	6425	[9228, 9229]	9463	[7525, 6097]
350	[686, 687]	3388	[5649, 248]	6426	[1328, 8385]	9464	[7195, 730]
351	[582, 688]	3389	[5650, 940]	6427	[5030, 5157]	9465	[11197, 11062]
352	[689, 690]	3390	[5651, 5652]	6428	[3583, 3716]	9466	[11438, 2049]
353	[691, 692]	3391	[5653, 5654]	6429	[9230, 9231]	9467	[6836, 60]
354	[693, 694]	3392	[5655, 5656]	6430	[8458, 1150]	9468	[11288, 11439]
355	[695, 696]	3393	[2449, 5657]	6431	[9232, 1534]	9469	[11440, 6483]
356	[697, 698]	3394	[5658, 5659]	6432	[9233, 9234]	9470	[5632, 6789]
357	[699, 700]	3395	[5660, 5559]	6433	[9235, 9236]	9471	[6663, 5687]
358	[539, 701]	3396	[5661, 5662]	6434	[4880, 9237]	9472	[10831, 11441]
359	[702, 703]	3397	[142, 5663]	6435	[3672, 9238]	9473	[787, 45]
360	[704, 705]	3398	[5664, 5665]	6436	[9239, 9240]	9474	[7900, 11225]
361	[706, 707]	3399	[5666, 5667]	6437	[9241, 9242]	9475	[6024, 6360]
362	[708, 709]	3400	[5668, 5669]	6438	[4933, 5378]	9476	[7141, 2975]
363	[710, 711]	3401	[3215, 5670]	6439	[1405, 1110]	9477	[11442, 8268]
364	[712, 713]	3402	[5671, 1979]	6440	[9243, 9244]	9478	[11148, 11041]
365	[714, 715]	3403	[789, 5672]	6441	[9245, 9246]	9479	[11443, 10940]
366	[716, 717]	3404	[5673, 5674]	6442	[4783, 449]	9480	[7183, 6565]
367	[718, 719]	3405	[5675, 5676]	6443	[9247, 9033]	9481	[7342, 10783]
368	[720, 721]	3406	[2950, 5677]	6444	[9248, 8567]	9482	[6487, 6170]
369	[722, 723]	3407	[5678, 5679]	6445	[9249, 9250]	9483	[11417, 11109]
370	[724, 725]	3408	[3087, 5680]	6446	[9251, 99]	9484	[206, 6140]
371	[726, 727]	3409	[5681, 5682]	6447	[8461, 9252]	9485	[7339, 6793]
372	[728, 729]	3410	[5683, 5684]	6448	[9253, 9254]	9486	[7559, 11444]
373	[730, 731]	3411	[855, 2029]	6449	[4068, 3477]	9487	[11445, 11446]
374	[732, 733]	3412	[5685, 2656]	6450	[5333, 4239]	9488	[11447, 11448]
375	[734, 735]	3413	[2983, 2516]	6451	[3528, 1417]	9489	[5883, 11165]
376	[736, 737]	3414	[5686, 5687]	6452	[4720, 9237]	9490	[2357, 11449]
377	[738, 739]	3415	[248, 823]	6453	[9255, 9256]	9491	[11450, 11451]
378	[740, 741]	3416	[5688, 5689]	6454	[5009, 9257]	9492	[11452, 834]
379	[742, 743]	3417	[5690, 2860]	6455	[4948, 4315]	9493	[11453, 11454]
380	[744, 745]	3418	[5691, 5692]	6456	[9054, 9258]	9494	[549, 3269]
381	[746, 747]	3419	[3185, 5693]	6457	[9259, 3944]	9495	[11455, 173]

382	[748, 749]	3420	[5694, 2533]	6458	[4761, 4429]	9496	[2518, 7786]
383	[750, 751]	3421	[5695, 5696]	6459	[4548, 3361]	9497	[679, 6118]
384	[752, 753]	3422	[5697, 2353]	6460	[3792, 9260]	9498	[6131, 13]
385	[754, 755]	3423	[2677, 5698]	6461	[9261, 9260]	9499	[11172, 2779]
386	[756, 757]	3424	[2809, 2881]	6462	[9262, 9263]	9500	[7075, 5919]
387	[758, 759]	3425	[5699, 5700]	6463	[3410, 9264]	9501	[7223, 6602]
388	[760, 761]	3426	[5701, 1877]	6464	[9265, 9266]	9502	[6941, 11456]
389	[762, 763]	3427	[5702, 5703]	6465	[9267, 9176]	9503	[7730, 5807]
390	[764, 765]	3428	[5704, 5705]	6466	[8310, 5183]	9504	[3225, 11457]
391	[766, 767]	3429	[5706, 5707]	6467	[9268, 8620]	9505	[11458, 11459]
392	[768, 769]	3430	[5708, 2831]	6468	[9269, 3984]	9506	[10728, 10592]
393	[770, 771]	3431	[144, 5709]	6469	[5088, 9270]	9507	[2096, 11179]
394	[772, 773]	3432	[2460, 5710]	6470	[9271, 9272]	9508	[2400, 160]
395	[774, 775]	3433	[5711, 5712]	6471	[3385, 1054]	9509	[2005, 6357]
396	[776, 777]	3434	[2754, 5713]	6472	[9273, 9274]	9510	[11460, 10613]
397	[778, 779]	3435	[5714, 3034]	6473	[9275, 4278]	9511	[657, 6961]
398	[780, 781]	3436	[5715, 5716]	6474	[9276, 9277]	9512	[2743, 10912]
399	[782, 783]	3437	[5717, 5718]	6475	[5048, 9278]	9513	[6684, 11461]
400	[784, 785]	3438	[5719, 5720]	6476	[9097, 9279]	9514	[2011, 577]
401	[786, 787]	3439	[5721, 5722]	6477	[9280, 5106]	9515	[6205, 6694]
402	[788, 789]	3440	[696, 5723]	6478	[8996, 9281]	9516	[786, 2541]
403	[790, 791]	3441	[5724, 5725]	6479	[5360, 9282]	9517	[3140, 7214]
404	[792, 793]	3442	[5726, 5727]	6480	[9283, 9284]	9518	[6810, 7639]
405	[194, 794]	3443	[5728, 2723]	6481	[8540, 476]	9519	[10915, 6380]
406	[795, 796]	3444	[5729, 5730]	6482	[9285, 9286]	9520	[2965, 2575]
407	[706, 797]	3445	[5731, 5732]	6483	[3926, 5290]	9521	[6042, 2644]
408	[798, 799]	3446	[3037, 5733]	6484	[9287, 9288]	9522	[2133, 10687]
409	[800, 801]	3447	[5734, 5735]	6485	[8683, 9289]	9523	[11331, 6316]
410	[802, 803]	3448	[5736, 856]	6486	[9290, 5335]	9524	[6457, 10684]
411	[804, 805]	3449	[5737, 5738]	6487	[4549, 9291]	9525	[3035, 6164]
412	[775, 806]	3450	[5739, 5740]	6488	[9292, 9293]	9526	[5572, 10933]
413	[807, 808]	3451	[611, 5741]	6489	[5513, 8561]	9527	[2104, 10704]
414	[809, 810]	3452	[2851, 3290]	6490	[4412, 3382]	9528	[6487, 7200]
415	[811, 812]	3453	[2917, 5742]	6491	[9294, 3383]	9529	[6733, 633]
416	[813, 814]	3454	[5743, 5744]	6492	[5333, 9295]	9530	[2115, 6460]
417	[815, 816]	3455	[5745, 5696]	6493	[5460, 9296]	9531	[7997, 10952]
418	[817, 818]	3456	[3331, 5746]	6494	[8579, 9297]	9532	[136, 5660]
419	[819, 820]	3457	[5747, 2527]	6495	[9140, 9298]	9533	[1862, 6745]
420	[821, 822]	3458	[5748, 5749]	6496	[1025, 1021]	9534	[1861, 10779]
421	[823, 824]	3459	[5750, 5751]	6497	[9299, 3876]	9535	[7789, 11462]
422	[825, 826]	3460	[5752, 1973]	6498	[5066, 4447]	9536	[7422, 11463]
423	[827, 828]	3461	[5753, 5754]	6499	[9300, 5533]	9537	[7663, 2707]
424	[829, 830]	3462	[5755, 5756]	6500	[9301, 3926]	9538	[7919, 11219]
425	[831, 832]	3463	[5757, 5758]	6501	[9302, 8922]	9539	[10805, 6591]

426	[833, 197]	3464	[5759, 5760]	6502	[9303, 8846]	9540	[7738, 11464]
427	[834, 835]	3465	[5761, 5762]	6503	[4139, 9304]	9541	[11465, 746]
428	[836, 837]	3466	[5763, 543]	6504	[9305, 1358]	9542	[7946, 10622]
429	[528, 838]	3467	[5764, 5765]	6505	[5504, 8569]	9543	[2831, 11274]
430	[839, 840]	3468	[5766, 5767]	6506	[3363, 9306]	9544	[11466, 3145]
431	[841, 842]	3469	[5768, 5769]	6507	[8551, 9307]	9545	[11467, 6739]
432	[843, 844]	3470	[5770, 5771]	6508	[9308, 8926]	9546	[11468, 11469]
433	[845, 846]	3471	[556, 5772]	6509	[9309, 1083]	9547	[11269, 5991]
434	[847, 848]	3472	[5773, 5774]	6510	[9310, 9169]	9548	[11470, 11471]
435	[849, 850]	3473	[3287, 5775]	6511	[3635, 9311]	9549	[11472, 2225]
436	[34, 851]	3474	[5776, 5777]	6512	[9312, 4703]	9550	[7781, 10874]
437	[852, 853]	3475	[5778, 5779]	6513	[9313, 4475]	9551	[11432, 11473]
438	[854, 855]	3476	[5780, 5781]	6514	[9314, 9315]	9552	[6173, 6373]
439	[856, 857]	3477	[2098, 5782]	6515	[9316, 9317]	9553	[7301, 6870]
440	[858, 859]	3478	[5783, 5784]	6516	[9318, 9319]	9554	[11474, 11229]
441	[860, 861]	3479	[2193, 5785]	6517	[9320, 9321]	9555	[6547, 1842]
442	[862, 863]	3480	[5786, 5787]	6518	[4316, 9322]	9556	[11475, 876]
443	[864, 865]	3481	[5788, 2698]	6519	[9323, 9324]	9557	[11127, 47]
444	[866, 867]	3482	[5789, 5790]	6520	[9325, 9326]	9558	[7822, 3311]
445	[868, 869]	3483	[5791, 5792]	6521	[9327, 9328]	9559	[802, 11476]
446	[870, 643]	3484	[5793, 778]	6522	[315, 4468]	9560	[3119, 11095]
447	[871, 647]	3485	[5794, 3030]	6523	[9329, 9330]	9561	[10681, 10590]
448	[872, 873]	3486	[5795, 5796]	6524	[9331, 9332]	9562	[11477, 2665]
449	[874, 875]	3487	[2718, 5797]	6525	[120, 8621]	9563	[10873, 5900]
450	[876, 877]	3488	[5798, 5799]	6526	[1467, 5337]	9564	[7746, 7679]
451	[503, 878]	3489	[5800, 5801]	6527	[3467, 9333]	9565	[859, 8266]
452	[879, 880]	3490	[5802, 5803]	6528	[9334, 9335]	9566	[1994, 11478]
453	[881, 882]	3491	[5804, 1867]	6529	[8609, 3508]	9567	[6476, 709]
454	[883, 128]	3492	[5805, 5806]	6530	[8760, 9336]	9568	[10667, 3036]
455	[884, 885]	3493	[5807, 939]	6531	[5072, 5083]	9569	[7673, 2302]
456	[886, 887]	3494	[5808, 5809]	6532	[9337, 5085]	9570	[11479, 11296]
457	[888, 889]	3495	[2023, 2498]	6533	[1828, 9338]	9571	[603, 2078]
458	[890, 891]	3496	[5810, 5741]	6534	[1008, 8289]	9572	[799, 11480]
459	[892, 893]	3497	[5811, 5812]	6535	[9339, 9340]	9573	[6292, 6705]
460	[894, 155]	3498	[5813, 5814]	6536	[8775, 3443]	9574	[11137, 5831]
461	[895, 896]	3499	[5815, 5816]	6537	[9326, 4058]	9575	[10801, 11481]
462	[897, 898]	3500	[5817, 2620]	6538	[9341, 5535]	9576	[580, 11482]
463	[737, 899]	3501	[5818, 5819]	6539	[315, 5392]	9577	[7722, 11483]
464	[900, 901]	3502	[5820, 740]	6540	[4239, 9342]	9578	[6377, 11029]
465	[902, 903]	3503	[5821, 5822]	6541	[1542, 4975]	9579	[11484, 7483]
466	[904, 905]	3504	[5823, 5824]	6542	[9343, 9344]	9580	[10866, 2793]
467	[906, 907]	3505	[5825, 5826]	6543	[9345, 9346]	9581	[11081, 7312]
468	[908, 909]	3506	[5827, 5828]	6544	[9347, 4121]	9582	[2905, 245]
469	[910, 911]	3507	[5829, 5830]	6545	[9348, 9349]	9583	[2911, 2140]

470	[912, 913]	3508	[5831, 141]	6546	[9350, 9351]	9584	[938, 2918]
471	[914, 915]	3509	[5832, 5833]	6547	[4295, 9157]	9585	[6808, 158]
472	[916, 917]	3510	[2031, 5834]	6548	[9352, 9353]	9586	[11485, 6231]
473	[918, 919]	3511	[5835, 5836]	6549	[9354, 4174]	9587	[8262, 8257]
474	[920, 921]	3512	[5837, 5838]	6550	[1406, 9355]	9588	[11486, 11487]
475	[922, 923]	3513	[2445, 2464]	6551	[8697, 23]	9589	[11224, 8006]
476	[924, 925]	3514	[2622, 5839]	6552	[3764, 5482]	9590	[1907, 11488]
477	[926, 927]	3515	[5840, 5841]	6553	[8433, 9356]	9591	[6605, 5636]
478	[928, 53]	3516	[5842, 5843]	6554	[4881, 9357]	9592	[5903, 11489]
479	[929, 930]	3517	[5844, 5845]	6555	[9358, 9359]	9593	[8132, 2045]
480	[931, 52]	3518	[2447, 5846]	6556	[8357, 271]	9594	[11142, 11490]
481	[932, 933]	3519	[5847, 5848]	6557	[8679, 3555]	9595	[11032, 11491]
482	[934, 935]	3520	[2093, 5849]	6558	[9360, 5442]	9596	[11492, 11397]
483	[936, 937]	3521	[5850, 5851]	6559	[9361, 9362]	9597	[11493, 11494]
484	[938, 939]	3522	[5852, 5840]	6560	[4304, 9288]	9598	[11495, 11496]
485	[940, 922]	3523	[5853, 5854]	6561	[5141, 9363]	9599	[6333, 5577]
486	[941, 924]	3524	[5855, 5856]	6562	[8604, 3637]	9600	[11497, 11498]
487	[942, 943]	3525	[5857, 2026]	6563	[9167, 9364]	9601	[2808, 7958]
488	[944, 945]	3526	[3327, 5858]	6564	[9365, 9366]	9602	[6530, 11499]
489	[946, 947]	3527	[5859, 2744]	6565	[9367, 9358]	9603	[7660, 5989]
490	[948, 949]	3528	[5860, 5861]	6566	[8392, 4733]	9604	[6396, 11115]
491	[950, 951]	3529	[5862, 5863]	6567	[9368, 5356]	9605	[1987, 2852]
492	[952, 599]	3530	[2236, 5864]	6568	[8922, 9196]	9606	[718, 3167]
493	[635, 54]	3531	[5865, 5866]	6569	[8713, 8422]	9607	[2188, 11500]
494	[953, 954]	3532	[5867, 5868]	6570	[5431, 480]	9608	[11501, 11502]
495	[955, 956]	3533	[5869, 5870]	6571	[9369, 4832]	9609	[11503, 715]
496	[957, 958]	3534	[5871, 3081]	6572	[9370, 9371]	9610	[11330, 7212]
497	[959, 960]	3535	[5872, 5873]	6573	[9372, 5150]	9611	[8007, 11135]
498	[961, 962]	3536	[5874, 1984]	6574	[4036, 9373]	9612	[3249, 8267]
499	[963, 964]	3537	[5875, 5876]	6575	[1265, 9374]	9613	[11119, 11504]
500	[965, 966]	3538	[5877, 5878]	6576	[9375, 8461]	9614	[11300, 1972]
501	[967, 968]	3539	[5879, 5880]	6577	[8309, 9376]	9615	[3152, 6532]
502	[969, 970]	3540	[5881, 5882]	6578	[5533, 9377]	9616	[5796, 11433]
503	[971, 972]	3541	[760, 5883]	6579	[9020, 9378]	9617	[11187, 11300]
504	[973, 974]	3542	[5884, 5885]	6580	[9379, 9380]	9618	[11485, 6449]
505	[975, 976]	3543	[5886, 5887]	6581	[9381, 4571]	9619	[3097, 11278]
506	[977, 286]	3544	[2253, 3005]	6582	[8867, 8704]	9620	[6483, 11505]
507	[978, 979]	3545	[5888, 3062]	6583	[5237, 4974]	9621	[6686, 10911]
508	[331, 980]	3546	[5889, 5890]	6584	[1142, 3580]	9622	[11506, 11507]
509	[981, 982]	3547	[5891, 5892]	6585	[4635, 4826]	9623	[6923, 6549]
510	[983, 984]	3548	[5893, 5894]	6586	[9202, 8511]	9624	[11508, 11509]
511	[985, 986]	3549	[5885, 5895]	6587	[3587, 9382]	9625	[6457, 5599]
512	[987, 988]	3550	[5896, 5897]	6588	[4802, 4946]	9626	[5883, 10852]
513	[989, 990]	3551	[5898, 5899]	6589	[9305, 9383]	9627	[6841, 8160]

514	[991, 992]	3552	[5900, 1976]	6590	[3905, 4065]	9628	[5959, 7573]
515	[993, 994]	3553	[5901, 2366]	6591	[9325, 9282]	9629	[11510, 11511]
516	[995, 996]	3554	[5902, 5903]	6592	[8493, 9384]	9630	[10619, 6769]
517	[997, 998]	3555	[5904, 5905]	6593	[9385, 9386]	9631	[2007, 5631]
518	[999, 1000]	3556	[5906, 5907]	6594	[9387, 4094]	9632	[7686, 3052]
519	[1001, 1002]	3557	[5908, 5909]	6595	[5149, 1320]	9633	[588, 7331]
520	[984, 1003]	3558	[5910, 5911]	6596	[3748, 3404]	9634	[11512, 11513]
521	[1004, 1005]	3559	[662, 2702]	6597	[9388, 9037]	9635	[11514, 11168]
522	[1006, 1007]	3560	[5912, 3300]	6598	[9389, 1731]	9636	[11508, 6970]
523	[1008, 1009]	3561	[5913, 5914]	6599	[9390, 8280]	9637	[11515, 5898]
524	[1010, 1011]	3562	[5915, 5916]	6600	[1652, 9391]	9638	[7668, 8123]
525	[1012, 1013]	3563	[5917, 2037]	6601	[9076, 9392]	9639	[7267, 6990]
526	[1014, 1015]	3564	[5918, 3114]	6602	[9393, 9394]	9640	[11511, 11516]
527	[1016, 1017]	3565	[5919, 5920]	6603	[5237, 3934]	9641	[11517, 11518]
528	[1018, 1019]	3566	[5921, 5922]	6604	[5195, 9395]	9642	[11519, 2402]
529	[1020, 1021]	3567	[5923, 5924]	6605	[9396, 9397]	9643	[3090, 5937]
530	[1022, 1023]	3568	[5925, 5926]	6606	[9313, 8616]	9644	[6091, 8158]
531	[1024, 1025]	3569	[5927, 5928]	6607	[4758, 8395]	9645	[2173, 11520]
532	[1026, 1027]	3570	[5929, 2774]	6608	[280, 9398]	9646	[7396, 11521]
533	[1028, 1029]	3571	[5930, 5931]	6609	[9399, 3997]	9647	[8272, 10849]
534	[1030, 1031]	3572	[2693, 5932]	6610	[9400, 9401]	9648	[11522, 6690]
535	[1032, 1033]	3573	[5933, 2474]	6611	[3750, 9402]	9649	[2616, 1872]
536	[1034, 1035]	3574	[567, 5657]	6612	[9403, 1214]	9650	[11523, 11524]
537	[1036, 1037]	3575	[5934, 51]	6613	[9404, 1790]	9651	[624, 7374]
538	[1038, 1039]	3576	[5935, 1863]	6614	[9405, 1732]	9652	[6773, 6081]
539	[478, 1040]	3577	[5936, 5937]	6615	[3903, 9406]	9653	[6313, 11312]
540	[1041, 1042]	3578	[5938, 5939]	6616	[4767, 9167]	9654	[8266, 2988]
541	[1043, 1044]	3579	[5940, 5941]	6617	[9407, 9408]	9655	[10620, 11525]
542	[1045, 1046]	3580	[2702, 5942]	6618	[9295, 9342]	9656	[6786, 11323]
543	[1047, 1048]	3581	[5943, 5944]	6619	[9134, 9409]	9657	[11526, 11527]
544	[1049, 1050]	3582	[5945, 2287]	6620	[9410, 9411]	9658	[3059, 7172]
545	[1051, 1052]	3583	[2324, 5946]	6621	[9412, 9413]	9659	[11005, 662]
546	[1053, 443]	3584	[2149, 5947]	6622	[8770, 9414]	9660	[7986, 6900]
547	[1054, 1055]	3585	[5948, 5949]	6623	[9415, 9416]	9661	[2595, 6169]
548	[1056, 1057]	3586	[5946, 5950]	6624	[9417, 4732]	9662	[3008, 6194]
549	[1058, 1059]	3587	[5951, 5952]	6625	[9354, 5212]	9663	[11528, 11529]
550	[1060, 1061]	3588	[5953, 2264]	6626	[9418, 8438]	9664	[1866, 890]
551	[1062, 1063]	3589	[5852, 5954]	6627	[4678, 9419]	9665	[8217, 8205]
552	[339, 1064]	3590	[5955, 5956]	6628	[8689, 9062]	9666	[7362, 11530]
553	[1065, 1066]	3591	[5957, 5958]	6629	[9420, 8857]	9667	[11531, 6032]
554	[1067, 1068]	3592	[5959, 5960]	6630	[9339, 9421]	9668	[11412, 7545]
555	[1069, 1070]	3593	[5961, 1983]	6631	[9422, 9423]	9669	[2435, 6517]
556	[1071, 1072]	3594	[5962, 2289]	6632	[4572, 8860]	9670	[6603, 11320]
557	[1073, 1074]	3595	[783, 5963]	6633	[3459, 9424]	9671	[11532, 11321]

558	[1075, 1076]	3596	[5964, 5965]	6634	[9425, 9426]	9672	[11533, 3118]
559	[1077, 1078]	3597	[5966, 5967]	6635	[8786, 4485]	9673	[11534, 11535]
560	[1079, 1080]	3598	[5961, 847]	6636	[9427, 9428]	9674	[11070, 6545]
561	[1081, 1082]	3599	[5968, 5969]	6637	[9429, 9430]	9675	[5980, 7948]
562	[1083, 1084]	3600	[2173, 5970]	6638	[3812, 9431]	9676	[11363, 2673]
563	[1085, 1086]	3601	[5971, 5972]	6639	[9432, 9433]	9677	[2956, 5719]
564	[1087, 1088]	3602	[5973, 2512]	6640	[9211, 4192]	9678	[5859, 6011]
565	[1089, 1090]	3603	[5974, 5975]	6641	[9434, 8358]	9679	[11536, 3237]
566	[1091, 1092]	3604	[5976, 5977]	6642	[9435, 3378]	9680	[10875, 2777]
567	[1093, 1094]	3605	[5978, 5979]	6643	[4100, 9436]	9681	[6198, 7662]
568	[1095, 1096]	3606	[5980, 5981]	6644	[3463, 9437]	9682	[3196, 2941]
569	[1097, 1098]	3607	[5982, 5983]	6645	[9438, 4296]	9683	[7243, 11537]
570	[1099, 1100]	3608	[5984, 5985]	6646	[9439, 280]	9684	[8217, 6115]
571	[1101, 1102]	3609	[5694, 5986]	6647	[8668, 4133]	9685	[2175, 11538]
572	[1103, 1104]	3610	[5987, 5988]	6648	[9440, 9441]	9686	[6776, 3087]
573	[1105, 1106]	3611	[623, 5989]	6649	[9442, 5473]	9687	[2495, 8078]
574	[1107, 1108]	3612	[5990, 5991]	6650	[9443, 9444]	9688	[11539, 5976]
575	[1109, 1110]	3613	[5992, 5993]	6651	[4849, 8449]	9689	[11540, 6225]
576	[1111, 1112]	3614	[5994, 5995]	6652	[9046, 9445]	9690	[2010, 2055]
577	[1113, 1114]	3615	[3230, 5996]	6653	[1535, 8430]	9691	[11541, 11542]
578	[1115, 1116]	3616	[5997, 5998]	6654	[8860, 9446]	9692	[11543, 1992]
579	[1117, 1118]	3617	[5999, 6000]	6655	[1083, 3556]	9693	[10753, 11544]
580	[1119, 1120]	3618	[6001, 6002]	6656	[4324, 1734]	9694	[2246, 6051]
581	[1121, 1122]	3619	[6003, 3022]	6657	[4018, 466]	9695	[2919, 11545]
582	[1123, 1124]	3620	[6004, 6005]	6658	[9447, 8622]	9696	[5863, 6905]
583	[120, 1125]	3621	[6006, 6007]	6659	[4603, 3615]	9697	[7573, 6420]
584	[1126, 1127]	3622	[2272, 6008]	6660	[9448, 9449]	9698	[11546, 2595]
585	[1128, 1129]	3623	[6009, 6010]	6661	[4233, 9450]	9699	[6113, 7613]
586	[1130, 1131]	3624	[6011, 6012]	6662	[9451, 1448]	9700	[174, 8062]
587	[1132, 1133]	3625	[6013, 2759]	6663	[4399, 9452]	9701	[2597, 11547]
588	[1134, 1135]	3626	[2770, 6014]	6664	[5497, 3709]	9702	[11084, 7944]
589	[1136, 1137]	3627	[6015, 2778]	6665	[9453, 9454]	9703	[6855, 6217]
590	[1138, 1139]	3628	[6016, 6017]	6666	[4819, 9455]	9704	[7151, 10654]
591	[1140, 1141]	3629	[6018, 5568]	6667	[1699, 8416]	9705	[11294, 5740]
592	[1142, 1143]	3630	[6019, 6020]	6668	[9024, 1512]	9706	[11548, 11549]
593	[1144, 1145]	3631	[6021, 6022]	6669	[5415, 9456]	9707	[11550, 11551]
594	[1146, 1147]	3632	[2877, 3041]	6670	[9457, 9176]	9708	[727, 7786]
595	[1148, 1149]	3633	[6023, 6024]	6671	[9458, 9459]	9709	[6894, 7755]
596	[1150, 1151]	3634	[6025, 6026]	6672	[9129, 3951]	9710	[3165, 11520]
597	[1152, 1153]	3635	[6027, 6028]	6673	[9460, 9461]	9711	[6590, 10806]
598	[1154, 1155]	3636	[6029, 1841]	6674	[1685, 9462]	9712	[3307, 3021]
599	[1156, 1157]	3637	[3286, 6030]	6675	[4817, 9463]	9713	[3238, 10828]
600	[1158, 1159]	3638	[2511, 6031]	6676	[1379, 9464]	9714	[10967, 698]
601	[387, 1160]	3639	[6032, 6033]	6677	[1811, 9465]	9715	[217, 3309]

602	[1161, 1162]	3640	[6034, 6035]	6678	[9466, 9467]	9716	[6117, 11506]
603	[1163, 1164]	3641	[869, 2981]	6679	[9072, 8812]	9717	[141, 731]
604	[1165, 1166]	3642	[6036, 6037]	6680	[9468, 9469]	9718	[6804, 11512]
605	[1167, 1168]	3643	[6038, 6039]	6681	[5101, 5415]	9719	[11507, 6828]
606	[1169, 1170]	3644	[6040, 2490]	6682	[304, 4289]	9720	[2786, 7602]
607	[1171, 1172]	3645	[6041, 6042]	6683	[9470, 5294]	9721	[11552, 840]
608	[1173, 1174]	3646	[6043, 6044]	6684	[9471, 9472]	9722	[5666, 3272]
609	[1175, 1176]	3647	[6045, 6046]	6685	[9473, 21]	9723	[11040, 10659]
610	[1177, 1178]	3648	[6047, 5862]	6686	[5150, 9474]	9724	[10986, 11553]
611	[1179, 1180]	3649	[2297, 6048]	6687	[4973, 9475]	9725	[11554, 11555]
612	[1181, 1182]	3650	[775, 6049]	6688	[9476, 5515]	9726	[8256, 8263]
613	[1183, 1184]	3651	[6050, 6051]	6689	[9477, 4263]	9727	[2641, 7922]
614	[1185, 1186]	3652	[6052, 6053]	6690	[9478, 9479]	9728	[7150, 10588]
615	[1187, 1188]	3653	[830, 2446]	6691	[4076, 3821]	9729	[6515, 3290]
616	[1189, 1190]	3654	[6054, 6055]	6692	[9480, 4017]	9730	[11556, 11557]
617	[1191, 1192]	3655	[130, 6056]	6693	[9481, 8501]	9731	[11558, 11559]
618	[1193, 1194]	3656	[6057, 6058]	6694	[3964, 9482]	9732	[7070, 11525]
619	[1195, 1196]	3657	[2169, 6059]	6695	[9483, 9484]	9733	[5985, 2674]
620	[1197, 1198]	3658	[6060, 3030]	6696	[9485, 3482]	9734	[11560, 11561]
621	[1199, 1200]	3659	[6061, 6062]	6697	[457, 9486]	9735	[11562, 7107]
622	[399, 1201]	3660	[6063, 5802]	6698	[9487, 8303]	9736	[11563, 11140]
623	[1202, 1203]	3661	[62, 6064]	6699	[9488, 8650]	9737	[6741, 11564]
624	[1204, 1205]	3662	[3003, 6065]	6700	[3542, 9489]	9738	[6242, 11207]
625	[1206, 1207]	3663	[6066, 6067]	6701	[1022, 9490]	9739	[11415, 7280]
626	[1208, 1209]	3664	[5909, 6068]	6702	[4594, 9491]	9740	[6397, 7066]
627	[1210, 1211]	3665	[6069, 2824]	6703	[1743, 3660]	9741	[2769, 11464]
628	[1212, 1213]	3666	[6070, 6071]	6704	[9492, 9493]	9742	[7649, 10822]
629	[1214, 1215]	3667	[2533, 6072]	6705	[9494, 9495]	9743	[7832, 7841]
630	[1216, 1217]	3668	[937, 6073]	6706	[5059, 3692]	9744	[11565, 11566]
631	[1218, 1219]	3669	[6074, 6075]	6707	[9496, 9497]	9745	[11567, 2757]
632	[1220, 1221]	3670	[6076, 6077]	6708	[8750, 8291]	9746	[8018, 2750]
633	[1222, 1223]	3671	[2782, 6078]	6709	[8762, 9498]	9747	[5950, 7857]
634	[1224, 1225]	3672	[6079, 6080]	6710	[9443, 9499]	9748	[2870, 6245]
635	[1226, 419]	3673	[6081, 763]	6711	[4686, 9500]	9749	[8084, 6923]
636	[1227, 1228]	3674	[6082, 6083]	6712	[5367, 9501]	9750	[6917, 3263]
637	[1229, 1230]	3675	[6084, 6085]	6713	[9502, 9503]	9751	[2852, 7366]
638	[1231, 1232]	3676	[6086, 6087]	6714	[9504, 9505]	9752	[11507, 10854]
639	[1233, 1234]	3677	[6088, 6089]	6715	[4666, 9270]	9753	[7518, 11476]
640	[1235, 1236]	3678	[6090, 2643]	6716	[4969, 9506]	9754	[10725, 11568]
641	[1237, 1238]	3679	[6091, 6092]	6717	[9507, 9508]	9755	[6582, 2897]
642	[1239, 1240]	3680	[3185, 6093]	6718	[1138, 3655]	9756	[10888, 2244]
643	[1241, 1095]	3681	[6094, 3081]	6719	[4028, 9509]	9757	[11569, 6557]
644	[1242, 1243]	3682	[6095, 6096]	6720	[9510, 8305]	9758	[11305, 2253]
645	[1244, 1245]	3683	[52, 6097]	6721	[4469, 4079]	9759	[11250, 6470]

646	[1246, 1247]	3684	[6098, 6099]	6722	[9004, 3630]	9760	[7329, 11158]
647	[1248, 1249]	3685	[6100, 6101]	6723	[1311, 8462]	9761	[11570, 6788]
648	[1250, 1251]	3686	[6102, 6103]	6724	[9511, 9512]	9762	[10758, 8079]
649	[1252, 1253]	3687	[1900, 6104]	6725	[9513, 9514]	9763	[10869, 6483]
650	[1254, 1255]	3688	[3142, 6105]	6726	[9515, 9516]	9764	[6130, 3176]
651	[1256, 1257]	3689	[6106, 6107]	6727	[4233, 9517]	9765	[2928, 11293]
652	[1258, 1259]	3690	[6108, 6109]	6728	[5301, 9518]	9766	[2240, 2003]
653	[1260, 1261]	3691	[6097, 2164]	6729	[3844, 9228]	9767	[11571, 7431]
654	[1262, 1263]	3692	[6110, 241]	6730	[9519, 9520]	9768	[3249, 7544]
655	[1264, 477]	3693	[6111, 830]	6731	[9521, 9522]	9769	[2590, 11184]
656	[1265, 1266]	3694	[6005, 6112]	6732	[5436, 4396]	9770	[11341, 3113]
657	[1267, 1268]	3695	[6113, 6114]	6733	[1694, 9523]	9771	[6207, 1898]
658	[1269, 1270]	3696	[6115, 6116]	6734	[9524, 310]	9772	[6731, 11572]
659	[1271, 1272]	3697	[787, 6117]	6735	[9525, 3729]	9773	[11573, 11574]
660	[1273, 1274]	3698	[6118, 6119]	6736	[9526, 9527]	9774	[2931, 147]
661	[1275, 1276]	3699	[6120, 6121]	6737	[3490, 1788]	9775	[6962, 2313]
662	[1277, 1278]	3700	[6122, 649]	6738	[9528, 9529]	9776	[192, 11575]
663	[1279, 1041]	3701	[6123, 6124]	6739	[1109, 5264]	9777	[11576, 150]
664	[1280, 1281]	3702	[6125, 6126]	6740	[8636, 5181]	9778	[7307, 7495]
665	[1282, 1283]	3703	[6127, 2769]	6741	[9530, 9531]	9779	[11577, 8099]
666	[1284, 1285]	3704	[6128, 5823]	6742	[8300, 4277]	9780	[11578, 6022]
667	[1286, 1287]	3705	[6129, 6130]	6743	[9532, 9533]	9781	[10943, 6257]
668	[1288, 1289]	3706	[2144, 5980]	6744	[8432, 9534]	9782	[11143, 11053]
669	[1290, 1291]	3707	[6131, 6032]	6745	[9077, 9535]	9783	[7885, 2305]
670	[1292, 1293]	3708	[6132, 6133]	6746	[9536, 3424]	9784	[2204, 2194]
671	[1294, 1295]	3709	[6134, 6135]	6747	[8970, 4063]	9785	[11229, 7337]
672	[1296, 1297]	3710	[6136, 6137]	6748	[4384, 1512]	9786	[11579, 11580]
673	[1298, 1299]	3711	[6138, 6139]	6749	[8510, 3775]	9787	[11563, 11581]
674	[1300, 1301]	3712	[6140, 6141]	6750	[9537, 3645]	9788	[2004, 6356]
675	[1302, 1303]	3713	[6085, 6142]	6751	[5505, 9538]	9789	[2493, 6953]
676	[1304, 1305]	3714	[6143, 6144]	6752	[4257, 9539]	9790	[8067, 10800]
677	[1306, 1307]	3715	[6145, 3206]	6753	[9232, 3860]	9791	[11582, 8082]
678	[1308, 1309]	3716	[6146, 6147]	6754	[4732, 4527]	9792	[2795, 925]
679	[1310, 1311]	3717	[6148, 814]	6755	[9540, 334]	9793	[10990, 5927]
680	[1312, 1313]	3718	[136, 821]	6756	[3473, 5246]	9794	[7266, 11583]
681	[1314, 1315]	3719	[6024, 1994]	6757	[8789, 9541]	9795	[11578, 11584]
682	[1316, 1317]	3720	[6149, 6150]	6758	[9542, 9543]	9796	[11585, 6803]
683	[1318, 1319]	3721	[6151, 6152]	6759	[9372, 1320]	9797	[7213, 3141]
684	[1320, 1321]	3722	[6153, 6154]	6760	[8299, 3635]	9798	[7812, 11413]
685	[1322, 1323]	3723	[6155, 6156]	6761	[9390, 8937]	9799	[7435, 7007]
686	[1324, 1325]	3724	[6157, 6158]	6762	[8367, 9544]	9800	[2307, 11586]
687	[1326, 1327]	3725	[1876, 2300]	6763	[9545, 9546]	9801	[11587, 11588]
688	[1328, 1329]	3726	[6159, 2467]	6764	[9420, 307]	9802	[11400, 11407]
689	[1330, 1331]	3727	[2814, 6160]	6765	[9547, 1623]	9803	[6298, 7858]

690	[1332, 1333]	3728	[218, 6161]	6766	[9548, 1506]	9804	[8274, 11589]
691	[1334, 1335]	3729	[6162, 6163]	6767	[1738, 9549]	9805	[8179, 11590]
692	[1336, 1337]	3730	[6164, 6165]	6768	[9515, 1420]	9806	[2013, 10673]
693	[1338, 1339]	3731	[2196, 6166]	6769	[9550, 9551]	9807	[10949, 7074]
694	[1340, 1341]	3732	[2200, 3026]	6770	[1728, 8848]	9808	[2368, 6985]
695	[1342, 1343]	3733	[6167, 6168]	6771	[3470, 5025]	9809	[2899, 2408]
696	[1344, 1345]	3734	[6169, 6170]	6772	[9188, 9552]	9810	[2692, 11591]
697	[1346, 430]	3735	[6171, 6172]	6773	[389, 9361]	9811	[6126, 6723]
698	[1347, 1348]	3736	[6173, 6174]	6774	[9553, 9554]	9812	[5752, 1934]
699	[1349, 1350]	3737	[6175, 6176]	6775	[8641, 8369]	9813	[1948, 3105]
700	[1351, 1352]	3738	[6177, 706]	6776	[9555, 3464]	9814	[11126, 6673]
701	[1353, 1354]	3739	[6178, 772]	6777	[9556, 4512]	9815	[11592, 2122]
702	[1355, 1356]	3740	[6179, 6180]	6778	[9557, 4608]	9816	[8165, 11593]
703	[1357, 1358]	3741	[5928, 6181]	6779	[9558, 1825]	9817	[11594, 11595]
704	[1359, 1360]	3742	[2958, 6182]	6780	[9559, 8598]	9818	[11596, 6920]
705	[1361, 1362]	3743	[6183, 6184]	6781	[9560, 9561]	9819	[2480, 11597]
706	[1363, 1364]	3744	[2260, 6185]	6782	[9221, 8392]	9820	[3320, 7003]
707	[1365, 1366]	3745	[6186, 6187]	6783	[9562, 4273]	9821	[7143, 2317]
708	[1367, 1368]	3746	[3316, 6188]	6784	[3780, 9563]	9822	[6124, 5709]
709	[1369, 1370]	3747	[5782, 2770]	6785	[5492, 9564]	9823	[2900, 7261]
710	[1371, 1372]	3748	[6189, 6190]	6786	[4228, 1564]	9824	[11365, 2241]
711	[1373, 1374]	3749	[165, 2972]	6787	[5072, 5135]	9825	[6854, 7943]
712	[1375, 1376]	3750	[6191, 1874]	6788	[9565, 1689]	9826	[513, 7072]
713	[1377, 1378]	3751	[6192, 5567]	6789	[9566, 9567]	9827	[752, 6534]
714	[1379, 1380]	3752	[6193, 6194]	6790	[4625, 9568]	9828	[7102, 11598]
715	[1381, 470]	3753	[6195, 6196]	6791	[5540, 9569]	9829	[11599, 2386]
716	[1382, 1383]	3754	[6197, 6198]	6792	[9570, 3936]	9830	[6532, 2968]
717	[1384, 1385]	3755	[6199, 3155]	6793	[307, 9571]	9831	[10743, 2821]
718	[1386, 1387]	3756	[6200, 6201]	6794	[3966, 113]	9832	[5707, 2763]
719	[1388, 1389]	3757	[6202, 6203]	6795	[9572, 9573]	9833	[7784, 47]
720	[1390, 1391]	3758	[6204, 6205]	6796	[3876, 3505]	9834	[2026, 8224]
721	[1392, 1393]	3759	[6206, 6207]	6797	[9574, 3507]	9835	[11600, 957]
722	[1394, 1395]	3760	[3074, 6208]	6798	[9575, 9576]	9836	[3120, 10823]
723	[1396, 1397]	3761	[6209, 6210]	6799	[9577, 1206]	9837	[2008, 6423]
724	[1398, 1399]	3762	[6211, 6212]	6800	[4810, 8747]	9838	[7753, 2435]
725	[1400, 1401]	3763	[6213, 2660]	6801	[411, 9578]	9839	[11601, 6897]
726	[1402, 1403]	3764	[6214, 819]	6802	[4140, 4755]	9840	[11602, 11603]
727	[1404, 1405]	3765	[2908, 6215]	6803	[366, 9579]	9841	[2494, 11320]
728	[1406, 1407]	3766	[6216, 6217]	6804	[1025, 1398]	9842	[943, 11604]
729	[1408, 1409]	3767	[6218, 167]	6805	[9580, 5399]	9843	[11605, 7740]
730	[1410, 1411]	3768	[6219, 6220]	6806	[9581, 363]	9844	[763, 10810]
731	[1412, 1413]	3769	[6221, 6095]	6807	[1575, 9582]	9845	[10735, 6749]
732	[1326, 1414]	3770	[1949, 5681]	6808	[1578, 9583]	9846	[11606, 8260]
733	[1415, 1416]	3771	[6222, 6223]	6809	[9584, 5396]	9847	[610, 11607]

734	[1417, 1418]	3772	[3162, 6224]	6810	[9585, 9586]	9848	[5871, 10605]
735	[1419, 1420]	3773	[2080, 2615]	6811	[4491, 9283]	9849	[5649, 8038]
736	[1421, 1422]	3774	[6225, 2437]	6812	[9587, 9588]	9850	[11608, 964]
737	[1423, 1424]	3775	[6226, 32]	6813	[9120, 9589]	9851	[2319, 856]
738	[1425, 1426]	3776	[5971, 6227]	6814	[9540, 9590]	9852	[10602, 10731]
739	[1427, 1428]	3777	[6228, 5675]	6815	[9591, 9592]	9853	[11409, 7679]
740	[1429, 1430]	3778	[6229, 2000]	6816	[4733, 9593]	9854	[5978, 11609]
741	[1431, 1432]	3779	[6230, 6231]	6817	[1436, 8563]	9855	[6719, 11610]
742	[1433, 1434]	3780	[6232, 6233]	6818	[9594, 9595]	9856	[1888, 2458]
743	[1435, 1436]	3781	[6234, 6235]	6819	[9596, 5218]	9857	[6648, 221]
744	[1056, 1437]	3782	[6236, 573]	6820	[9570, 5018]	9858	[7615, 7570]
745	[1438, 1439]	3783	[6237, 6238]	6821	[494, 5189]	9859	[5907, 11611]
746	[1440, 1441]	3784	[6239, 6240]	6822	[8846, 3922]	9860	[658, 7367]
747	[1442, 1443]	3785	[6241, 6242]	6823	[8654, 9402]	9861	[2881, 3262]
748	[1444, 1445]	3786	[6243, 2197]	6824	[9597, 9598]	9862	[8031, 3078]
749	[1446, 1447]	3787	[2600, 2716]	6825	[3856, 9599]	9863	[11612, 11613]
750	[1448, 1449]	3788	[6244, 6245]	6826	[4270, 9600]	9864	[518, 2050]
751	[1450, 1451]	3789	[6246, 6247]	6827	[8893, 9601]	9865	[3330, 6470]
752	[1452, 1453]	3790	[2029, 6248]	6828	[9602, 9603]	9866	[581, 6866]
753	[115, 1454]	3791	[6249, 6250]	6829	[9604, 9605]	9867	[10764, 10740]
754	[1455, 1456]	3792	[6251, 6252]	6830	[1678, 1339]	9868	[10766, 11614]
755	[1457, 1458]	3793	[2451, 6253]	6831	[9606, 9607]	9869	[8122, 2761]
756	[1459, 1460]	3794	[2014, 6016]	6832	[9145, 4720]	9870	[7858, 877]
757	[1461, 1395]	3795	[3178, 2483]	6833	[4970, 9608]	9871	[11615, 128]
758	[1462, 1463]	3796	[6254, 6255]	6834	[9609, 263]	9872	[11158, 6144]
759	[1464, 1465]	3797	[6256, 6257]	6835	[9610, 9172]	9873	[6540, 6995]
760	[1466, 1467]	3798	[6258, 6006]	6836	[9611, 9612]	9874	[10961, 6730]
761	[1468, 1469]	3799	[5954, 6259]	6837	[9613, 9614]	9875	[2161, 558]
762	[1470, 1471]	3800	[6260, 6261]	6838	[9615, 9616]	9876	[5679, 7709]
763	[1472, 1473]	3801	[6262, 1975]	6839	[4891, 9617]	9877	[11616, 11617]
764	[1474, 1475]	3802	[6263, 6264]	6840	[353, 9573]	9878	[11337, 11618]
765	[1476, 1477]	3803	[2665, 6265]	6841	[9618, 9619]	9879	[2268, 2731]
766	[1478, 1479]	3804	[6266, 6267]	6842	[1117, 9620]	9880	[11519, 7749]
767	[1480, 1481]	3805	[6268, 6269]	6843	[9621, 9622]	9881	[2316, 7481]
768	[1482, 1483]	3806	[727, 6270]	6844	[5012, 9623]	9882	[3220, 6440]
769	[1484, 1485]	3807	[2613, 6167]	6845	[9624, 9625]	9883	[11619, 10754]
770	[1486, 1487]	3808	[3259, 6271]	6846	[9360, 1015]	9884	[3181, 536]
771	[1488, 1489]	3809	[708, 6272]	6847	[4483, 1338]	9885	[11385, 6326]
772	[1490, 1491]	3810	[6273, 2863]	6848	[9626, 5346]	9886	[7525, 2163]
773	[1106, 1492]	3811	[6274, 6275]	6849	[9627, 9127]	9887	[11202, 10751]
774	[1493, 1494]	3812	[6276, 6277]	6850	[1297, 9628]	9888	[2949, 10793]
775	[1495, 1496]	3813	[6278, 6279]	6851	[5532, 9629]	9889	[10917, 5705]
776	[1497, 1498]	3814	[6280, 6281]	6852	[9630, 9631]	9890	[11287, 8261]
777	[1499, 1500]	3815	[6086, 2714]	6853	[4876, 8684]	9891	[6258, 10619]

778	[1501, 1502]	3816	[2557, 6282]	6854	[9028, 4488]	9892	[11620, 11621]
779	[1503, 1052]	3817	[2501, 6283]	6855	[9632, 9633]	9893	[3040, 3303]
780	[307, 1504]	3818	[6284, 6285]	6856	[1735, 4131]	9894	[7415, 5860]
781	[1505, 1132]	3819	[6286, 2376]	6857	[5551, 9634]	9895	[11531, 13]
782	[1506, 1507]	3820	[963, 6287]	6858	[9571, 1241]	9896	[7975, 11622]
783	[1508, 1509]	3821	[6288, 6289]	6859	[9635, 9636]	9897	[11623, 6720]
784	[1510, 1511]	3822	[6290, 6291]	6860	[9637, 9638]	9898	[11456, 11402]
785	[1512, 1513]	3823	[6292, 2454]	6861	[4924, 9548]	9899	[8005, 8061]
786	[1514, 1515]	3824	[6293, 5926]	6862	[9474, 9119]	9900	[10923, 7098]
787	[1516, 93]	3825	[6294, 3193]	6863	[9338, 9639]	9901	[7220, 7176]
788	[1517, 1518]	3826	[6295, 701]	6864	[3415, 9281]	9902	[7171, 2342]
789	[1519, 1520]	3827	[6296, 6297]	6865	[9640, 9641]	9903	[6528, 2116]
790	[1521, 1522]	3828	[6298, 876]	6866	[9642, 1292]	9904	[5710, 7759]
791	[1523, 1524]	3829	[6299, 6300]	6867	[9425, 9643]	9905	[2920, 11435]
792	[1525, 1526]	3830	[246, 6301]	6868	[9644, 1567]	9906	[11624, 6036]
793	[1527, 1528]	3831	[5864, 8]	6869	[9645, 4004]	9907	[8171, 11625]
794	[1529, 1530]	3832	[6302, 6303]	6870	[5209, 9646]	9908	[3295, 6324]
795	[1531, 383]	3833	[6304, 2986]	6871	[9005, 9647]	9909	[11626, 7529]
796	[1532, 1533]	3834	[6305, 6306]	6872	[9107, 9648]	9910	[8266, 10596]
797	[1534, 1535]	3835	[6307, 6308]	6873	[1471, 5119]	9911	[6730, 2234]
798	[475, 1536]	3836	[6309, 6310]	6874	[4631, 9525]	9912	[5739, 7478]
799	[1537, 1538]	3837	[2152, 1924]	6875	[4477, 9649]	9913	[2442, 11131]
800	[1539, 1540]	3838	[2537, 6311]	6876	[9650, 8403]	9914	[11627, 7993]
801	[1541, 1542]	3839	[6312, 6313]	6877	[9651, 9652]	9915	[11339, 8095]
802	[1543, 1544]	3840	[6314, 6315]	6878	[9653, 9239]	9916	[7274, 11628]
803	[1545, 1546]	3841	[6316, 6317]	6879	[9654, 9655]	9917	[542, 11567]
804	[1547, 1548]	3842	[2823, 3273]	6880	[9656, 8918]	9918	[11629, 11630]
805	[1549, 1550]	3843	[50, 6318]	6881	[9657, 9658]	9919	[7718, 8014]
806	[1494, 1551]	3844	[6319, 6320]	6882	[9659, 9660]	9920	[11319, 505]
807	[1333, 1552]	3845	[6321, 3121]	6883	[9661, 4045]	9921	[3118, 6445]
808	[1553, 1554]	3846	[6322, 6323]	6884	[9662, 1014]	9922	[7516, 10588]
809	[1555, 1297]	3847	[2012, 578]	6885	[4393, 9086]	9923	[11631, 6452]
810	[1556, 1557]	3848	[5909, 6324]	6886	[3655, 9663]	9924	[11632, 11633]
811	[1558, 1559]	3849	[6325, 707]	6887	[9664, 490]	9925	[1998, 2114]
812	[1560, 1561]	3850	[6326, 6327]	6888	[4082, 5087]	9926	[2103, 6842]
813	[1562, 1563]	3851	[6328, 6329]	6889	[8459, 4572]	9927	[11121, 11634]
814	[1564, 1565]	3852	[6330, 3148]	6890	[9665, 5469]	9928	[7798, 7325]
815	[1566, 1567]	3853	[1999, 2115]	6891	[9187, 1443]	9929	[11243, 11635]
816	[1568, 1569]	3854	[6331, 2629]	6892	[8355, 5281]	9930	[2595, 6487]
817	[1570, 1571]	3855	[6332, 6333]	6893	[9666, 9667]	9931	[6912, 218]
818	[1572, 1573]	3856	[6334, 6335]	6894	[9668, 9669]	9932	[2874, 6593]
819	[1574, 1575]	3857	[6336, 6337]	6895	[4352, 4225]	9933	[1877, 11636]
820	[1576, 71]	3858	[6338, 6339]	6896	[5024, 5552]	9934	[11637, 11638]
821	[1577, 1578]	3859	[6340, 2841]	6897	[9670, 9671]	9935	[7642, 11639]

822	[1579, 1580]	3860	[6341, 6342]	6898	[9248, 9672]	9936	[939, 7097]
823	[1581, 1582]	3861	[502, 6343]	6899	[9673, 9674]	9937	[2039, 11500]
824	[1583, 1584]	3862	[6344, 6345]	6900	[9675, 9676]	9938	[10897, 2246]
825	[1585, 1586]	3863	[663, 5942]	6901	[8393, 9068]	9939	[7633, 10837]
826	[1587, 1588]	3864	[6346, 6347]	6902	[4698, 8281]	9940	[2436, 6518]
827	[1589, 1590]	3865	[6348, 776]	6903	[8878, 5238]	9941	[6936, 11640]
828	[1591, 1592]	3866	[6349, 6350]	6904	[1206, 9216]	9942	[8061, 2273]
829	[1593, 1594]	3867	[6351, 6352]	6905	[8913, 5414]	9943	[6700, 5865]
830	[1595, 265]	3868	[6353, 6151]	6906	[8602, 1157]	9944	[7125, 1941]
831	[1596, 1597]	3869	[6354, 6355]	6907	[9677, 3437]	9945	[7469, 11332]
832	[1598, 1599]	3870	[6356, 6357]	6908	[9678, 4097]	9946	[11641, 3001]
833	[1600, 393]	3871	[5633, 6358]	6909	[496, 9679]	9947	[2805, 3089]
834	[1601, 1602]	3872	[6359, 3046]	6910	[9680, 9681]	9948	[247, 8038]
835	[1603, 1604]	3873	[1993, 6360]	6911	[8387, 9595]	9949	[6260, 11604]
836	[1605, 1606]	3874	[6361, 6334]	6912	[4873, 3634]	9950	[2543, 7636]
837	[1607, 1608]	3875	[212, 6362]	6913	[4383, 9682]	9951	[11159, 7871]
838	[1609, 377]	3876	[3135, 5827]	6914	[5034, 9683]	9952	[856, 6874]
839	[1610, 1611]	3877	[6363, 6364]	6915	[122, 9684]	9953	[614, 7828]
840	[1612, 1613]	3878	[6365, 2865]	6916	[9685, 9492]	9954	[11503, 11642]
841	[1614, 1615]	3879	[6366, 6367]	6917	[4508, 9617]	9955	[11410, 3244]
842	[1616, 1617]	3880	[6368, 2251]	6918	[9686, 9687]	9956	[11643, 11644]
843	[1618, 1619]	3881	[6369, 6370]	6919	[9688, 3603]	9957	[11645, 11361]
844	[1620, 1621]	3882	[6371, 6372]	6920	[4844, 9689]	9958	[11646, 6249]
845	[1622, 1623]	3883	[6373, 6374]	6921	[9690, 9309]	9959	[7802, 11647]
846	[1624, 1625]	3884	[11, 6375]	6922	[9629, 9437]	9960	[11648, 11649]
847	[1626, 1627]	3885	[6376, 2197]	6923	[9691, 4550]	9961	[5662, 11650]
848	[1628, 1629]	3886	[6377, 5767]	6924	[8472, 9692]	9962	[5952, 11650]
849	[1630, 1631]	3887	[6378, 6379]	6925	[4715, 9693]	9963	[11651, 11652]
850	[1528, 1632]	3888	[2391, 5865]	6926	[8775, 8375]	9964	[8137, 11653]
851	[1633, 1634]	3889	[6380, 6381]	6927	[1705, 456]	9965	[2135, 145]
852	[1635, 457]	3890	[2678, 6382]	6928	[9694, 3478]	9966	[8125, 2390]
853	[1304, 1636]	3891	[6383, 2425]	6929	[9695, 9377]	9967	[6461, 6966]
854	[1637, 1638]	3892	[6384, 6385]	6930	[9696, 5554]	9968	[11412, 5574]
855	[1639, 1640]	3893	[6386, 554]	6931	[332, 9697]	9969	[11654, 11655]
856	[1641, 1642]	3894	[6387, 6388]	6932	[5249, 9433]	9970	[11596, 5651]
857	[1643, 1644]	3895	[6389, 6390]	6933	[3722, 4170]	9971	[6906, 10909]
858	[1645, 1646]	3896	[6391, 6392]	6934	[256, 9698]	9972	[11492, 11656]
859	[1647, 1648]	3897	[6393, 6394]	6935	[9069, 9699]	9973	[8121, 10868]
860	[1649, 1650]	3898	[6395, 6396]	6936	[9700, 8609]	9974	[6815, 3317]
861	[1651, 1425]	3899	[6397, 6398]	6937	[9701, 9702]	9975	[597, 7283]
862	[1652, 1653]	3900	[3023, 6399]	6938	[8753, 9703]	9976	[895, 11657]
863	[1654, 452]	3901	[3196, 6400]	6939	[4902, 9704]	9977	[11658, 11659]
864	[1385, 1655]	3902	[6401, 1843]	6940	[1610, 1548]	9978	[2179, 10596]
865	[1656, 1657]	3903	[6402, 6403]	6941	[1303, 4308]	9979	[6699, 11128]

866	[1658, 1659]	3904	[6404, 6405]	6942	[1297, 9307]	9980	[7581, 6207]
867	[1660, 1661]	3905	[2245, 6406]	6943	[9705, 9706]	9981	[6984, 7839]
868	[1662, 1663]	3906	[3097, 5616]	6944	[9707, 1236]	9982	[6127, 7738]
869	[1664, 1665]	3907	[2771, 6120]	6945	[1436, 4976]	9983	[11660, 11661]
870	[1666, 1242]	3908	[2496, 6407]	6946	[9078, 5246]	9984	[3212, 11349]
871	[1667, 1250]	3909	[6408, 6061]	6947	[1183, 1655]	9985	[3255, 11662]
872	[1668, 1669]	3910	[6409, 6410]	6948	[5116, 9708]	9986	[7824, 10798]
873	[1670, 1207]	3911	[2062, 6375]	6949	[9218, 5384]	9987	[7814, 6186]
874	[1671, 1672]	3912	[6411, 6412]	6950	[9709, 9710]	9988	[5963, 11663]
875	[1673, 1674]	3913	[6413, 5811]	6951	[4706, 9711]	9989	[7391, 2310]
876	[1675, 1676]	3914	[6273, 6414]	6952	[4399, 4612]	9990	[2089, 10811]
877	[1677, 1678]	3915	[6415, 6416]	6953	[4401, 1612]	9991	[10756, 2839]
878	[1679, 1680]	3916	[839, 6417]	6954	[4403, 9712]	9992	[6990, 11664]
879	[1681, 1682]	3917	[2255, 5721]	6955	[3537, 5554]	9993	[6472, 2306]
880	[1683, 1684]	3918	[6418, 6419]	6956	[9713, 9133]	9994	[2032, 7935]
881	[1685, 1686]	3919	[6420, 1971]	6957	[390, 9714]	9995	[6521, 6537]
882	[1687, 1688]	3920	[6421, 2178]	6958	[4943, 8716]	9996	[11665, 11106]
883	[1689, 1690]	3921	[2012, 6422]	6959	[9715, 9716]	9997	[11666, 6429]
884	[1691, 1692]	3922	[6423, 6424]	6960	[9717, 9718]	9998	[11667, 6519]
885	[1693, 1694]	3923	[6425, 2787]	6961	[9712, 9719]	9999	[11668, 11657]
886	[1695, 1696]	3924	[6426, 6427]	6962	[9134, 9720]	10000	[11669, 11670]
887	[79, 1526]	3925	[6428, 6429]	6963	[8965, 9097]	10001	[5985, 11671]
888	[1697, 1698]	3926	[6430, 6431]	6964	[9721, 3662]	10002	[714, 11642]
889	[469, 1699]	3927	[6432, 6433]	6965	[9722, 4678]	10003	[10629, 11373]
890	[1700, 1701]	3928	[6434, 6435]	6966	[5043, 8776]	10004	[11672, 11673]
891	[1702, 1703]	3929	[6436, 6437]	6967	[4496, 9723]	10005	[6766, 3285]
892	[1704, 1705]	3930	[2434, 6438]	6968	[4469, 5138]	10006	[5734, 10789]
893	[1543, 1450]	3931	[6270, 6439]	6969	[9724, 9725]	10007	[11546, 6486]
894	[1706, 1707]	3932	[6440, 800]	6970	[9726, 9727]	10008	[11372, 2361]
895	[1708, 1709]	3933	[6441, 6442]	6971	[9728, 9729]	10009	[5793, 8236]
896	[1710, 1711]	3934	[6443, 6444]	6972	[9730, 9731]	10010	[11674, 11675]
897	[1712, 1713]	3935	[5882, 6445]	6973	[9732, 9184]	10011	[7466, 2330]
898	[1714, 1715]	3936	[6446, 6447]	6974	[9733, 9734]	10012	[11577, 6571]
899	[1422, 268]	3937	[6448, 2327]	6975	[9735, 491]	10013	[3240, 7235]
900	[1716, 1717]	3938	[6230, 6449]	6976	[1736, 9736]	10014	[5888, 11676]
901	[1718, 1719]	3939	[3155, 6450]	6977	[4149, 9737]	10015	[11284, 11677]
902	[1720, 1721]	3940	[6451, 6452]	6978	[3563, 9002]	10016	[11335, 2848]
903	[1722, 1723]	3941	[5678, 6453]	6979	[1608, 9673]	10017	[3094, 11213]
904	[1724, 1725]	3942	[6454, 6455]	6980	[9738, 4289]	10018	[11246, 6474]
905	[1726, 1727]	3943	[6456, 6457]	6981	[9739, 5145]	10019	[11665, 10730]
906	[1728, 1729]	3944	[6458, 6459]	6982	[9740, 9741]	10020	[11678, 2778]
907	[1730, 1282]	3945	[2679, 6460]	6983	[9742, 9743]	10021	[6744, 2370]
908	[1731, 1732]	3946	[6461, 6462]	6984	[9744, 1765]	10022	[11405, 6938]
909	[1733, 1734]	3947	[6463, 6464]	6985	[5133, 9451]	10023	[553, 8221]

910	[1735, 1736]	3948	[6465, 11]	6986	[8982, 4109]	10024	[10618, 6006]
911	[1737, 1738]	3949	[6466, 6467]	6987	[9745, 9746]	10025	[11679, 7865]
912	[1261, 1739]	3950	[6468, 6469]	6988	[9747, 9189]	10026	[7404, 11512]
913	[1740, 1741]	3951	[6470, 6471]	6989	[442, 3649]	10027	[148, 11426]
914	[1742, 1743]	3952	[6472, 6473]	6990	[9748, 9164]	10028	[5831, 730]
915	[1744, 1745]	3953	[6474, 2737]	6991	[9749, 5012]	10029	[2105, 7117]
916	[1746, 1747]	3954	[5570, 6475]	6992	[9750, 9751]	10030	[10902, 7238]
917	[1748, 1749]	3955	[6476, 6272]	6993	[9752, 9753]	10031	[137, 7268]
918	[1750, 1751]	3956	[2795, 2997]	6994	[9149, 9754]	10032	[6339, 10910]
919	[30, 1752]	3957	[6477, 5978]	6995	[9755, 9756]	10033	[7665, 1851]
920	[1753, 1754]	3958	[6478, 2791]	6996	[8560, 3487]	10034	[11147, 10674]
921	[1755, 1313]	3959	[6479, 6480]	6997	[9757, 4010]	10035	[7341, 3233]
922	[1756, 1757]	3960	[6481, 6482]	6998	[4347, 4866]	10036	[11680, 5987]
923	[1758, 1759]	3961	[6483, 6484]	6999	[995, 9758]	10037	[5963, 3189]
924	[1760, 1761]	3962	[6485, 2912]	7000	[9759, 9760]	10038	[11681, 6541]
925	[1585, 1762]	3963	[6486, 6487]	7001	[9761, 9762]	10039	[11682, 3236]
926	[1763, 1764]	3964	[6488, 6489]	7002	[8637, 4462]	10040	[11683, 11684]
927	[1765, 1766]	3965	[6490, 6491]	7003	[9763, 1117]	10041	[7814, 10912]
928	[1767, 1768]	3966	[6492, 6493]	7004	[1243, 8557]	10042	[144, 7777]
929	[1769, 1770]	3967	[6494, 6495]	7005	[3706, 9764]	10043	[8069, 11518]
930	[1771, 1175]	3968	[532, 6496]	7006	[5154, 9765]	10044	[6164, 640]
931	[1772, 1773]	3969	[2837, 6497]	7007	[3846, 4170]	10045	[826, 11685]
932	[1774, 1775]	3970	[6498, 6499]	7008	[9766, 9767]	10046	[7670, 11495]
933	[1776, 1777]	3971	[6500, 6501]	7009	[3565, 4596]	10047	[798, 1941]
934	[1778, 1779]	3972	[6502, 6503]	7010	[978, 3831]	10048	[6094, 10605]
935	[1780, 1781]	3973	[6504, 6505]	7011	[9768, 9769]	10049	[7153, 6203]
936	[1782, 1783]	3974	[6506, 6507]	7012	[1592, 4365]	10050	[2094, 5594]
937	[1784, 1785]	3975	[6508, 6140]	7013	[9770, 9518]	10051	[6356, 6533]
938	[1786, 1787]	3976	[6509, 561]	7014	[9771, 9772]	10052	[7903, 7025]
939	[1788, 1789]	3977	[783, 3188]	7015	[9773, 9774]	10053	[11395, 7850]
940	[1790, 1758]	3978	[6510, 6511]	7016	[3639, 9500]	10054	[784, 11351]
941	[1791, 1585]	3979	[6463, 953]	7017	[4378, 9775]	10055	[648, 6780]
942	[1792, 1793]	3980	[3231, 6512]	7018	[1080, 4872]	10056	[857, 6875]
943	[1794, 1795]	3981	[6513, 945]	7019	[9776, 8510]	10057	[11686, 8135]
944	[1796, 1797]	3982	[801, 6514]	7020	[4587, 8947]	10058	[2847, 11336]
945	[1798, 1799]	3983	[6515, 2998]	7021	[5356, 3805]	10059	[7864, 11687]
946	[1800, 1801]	3984	[5809, 6516]	7022	[4039, 5477]	10060	[2133, 5720]
947	[1802, 1803]	3985	[6517, 6518]	7023	[1093, 8538]	10061	[7497, 8041]
948	[1804, 1805]	3986	[6519, 2768]	7024	[9777, 1543]	10062	[933, 2490]
949	[1806, 1807]	3987	[6520, 6521]	7025	[9778, 9779]	10063	[7078, 6348]
950	[1808, 1809]	3988	[6522, 6508]	7026	[9780, 4671]	10064	[10902, 11006]
951	[1810, 1811]	3989	[6523, 6524]	7027	[9781, 4390]	10065	[8201, 7763]
952	[1812, 1813]	3990	[60, 6525]	7028	[9772, 8652]	10066	[11381, 2007]
953	[1814, 1815]	3991	[6526, 704]	7029	[9782, 1037]	10067	[11688, 11689]

954	[1816, 1817]	3992	[6527, 6528]	7030	[5198, 4418]	10068	[2024, 2499]
955	[1818, 1819]	3993	[6529, 6530]	7031	[4615, 9783]	10069	[11552, 6417]
956	[1820, 1821]	3994	[6531, 6532]	7032	[1441, 3504]	10070	[6798, 5792]
957	[1822, 1823]	3995	[2005, 6533]	7033	[5516, 3862]	10071	[3011, 11690]
958	[974, 1824]	3996	[5784, 6534]	7034	[9784, 9785]	10072	[11691, 243]
959	[1825, 1826]	3997	[6535, 6536]	7035	[320, 9786]	10073	[7359, 6437]
960	[1827, 1828]	3998	[3033, 6537]	7036	[9787, 9788]	10074	[11692, 11693]
961	[1829, 1830]	3999	[6538, 5984]	7037	[1552, 9789]	10075	[6081, 6559]
962	[1831, 1832]	4000	[158, 6539]	7038	[9790, 8656]	10076	[3243, 5621]
963	[1833, 1654]	4001	[6540, 734]	7039	[9791, 4114]	10077	[11694, 11695]
964	[1834, 1835]	4002	[6541, 6542]	7040	[5087, 5210]	10078	[11696, 7620]
965	[1836, 1837]	4003	[6543, 6544]	7041	[9792, 9793]	10079	[7528, 11565]
966	[1838, 1839]	4004	[6545, 6546]	7042	[9794, 9795]	10080	[1899, 674]
967	[1840, 1841]	4005	[6547, 6401]	7043	[1833, 5398]	10081	[8019, 11275]
968	[1842, 1843]	4006	[6548, 6549]	7044	[4080, 3428]	10082	[11697, 10983]
969	[1844, 1845]	4007	[2682, 6550]	7045	[9786, 9032]	10083	[6895, 2380]
970	[1846, 1847]	4008	[6551, 6552]	7046	[4887, 5234]	10084	[11698, 7284]
971	[1848, 1849]	4009	[6553, 6554]	7047	[4902, 8862]	10085	[7415, 7034]
972	[1850, 1851]	4010	[6555, 6556]	7048	[9796, 5092]	10086	[5765, 11699]
973	[1852, 1853]	4011	[6557, 6558]	7049	[5452, 3575]	10087	[806, 10615]
974	[1854, 1855]	4012	[762, 6559]	7050	[8675, 9797]	10088	[7242, 6943]
975	[1856, 1857]	4013	[6560, 6561]	7051	[4743, 1690]	10089	[11379, 11199]
976	[1858, 1859]	4014	[5913, 710]	7052	[9798, 9799]	10090	[10832, 10813]
977	[1860, 1861]	4015	[2715, 2601]	7053	[4560, 8445]	10091	[6662, 11324]
978	[1862, 1863]	4016	[6562, 6563]	7054	[9800, 9801]	10092	[797, 3179]
979	[1864, 1865]	4017	[837, 6564]	7055	[9802, 9676]	10093	[11342, 11428]
980	[1866, 1867]	4018	[6565, 2687]	7056	[9803, 9804]	10094	[1933, 1973]
981	[1868, 1869]	4019	[6566, 6567]	7057	[4396, 9805]	10095	[11700, 10658]
982	[1870, 1871]	4020	[6568, 6569]	7058	[9806, 9807]	10096	[7841, 2024]
983	[1872, 1873]	4021	[6570, 6571]	7059	[8329, 9808]	10097	[11701, 2326]
984	[1874, 1875]	4022	[6572, 143]	7060	[1571, 9809]	10098	[8057, 8172]
985	[161, 1876]	4023	[2312, 6573]	7061	[9810, 9811]	10099	[520, 3315]
986	[1877, 1878]	4024	[550, 6463]	7062	[1750, 3551]	10100	[7088, 3195]
987	[1879, 1880]	4025	[6574, 6575]	7063	[3849, 1557]	10101	[11702, 6610]
988	[1881, 1882]	4026	[6576, 6577]	7064	[4167, 1455]	10102	[11703, 6296]
989	[1883, 1884]	4027	[6578, 6579]	7065	[9282, 278]	10103	[11704, 10952]
990	[1885, 1886]	4028	[6580, 6581]	7066	[8778, 9812]	10104	[11705, 7340]
991	[1887, 1888]	4029	[6582, 6583]	7067	[9502, 9813]	10105	[11132, 11537]
992	[1889, 1890]	4030	[2652, 6584]	7068	[4539, 9814]	10106	[859, 2179]
993	[1891, 1892]	4031	[6585, 6586]	7069	[1500, 3671]	10107	[7691, 7578]
994	[1893, 1894]	4032	[6587, 641]	7070	[9815, 9816]	10108	[11706, 3212]
995	[1895, 1896]	4033	[6588, 6589]	7071	[9817, 5490]	10109	[7033, 806]
996	[1897, 1898]	4034	[6590, 6591]	7072	[9818, 9819]	10110	[2384, 147]
997	[1899, 1900]	4035	[6486, 6169]	7073	[9058, 4723]	10111	[11201, 5852]

998	[1901, 1902]	4036	[6592, 6593]	7074	[9820, 3422]	10112	[10622, 11653]
999	[1903, 738]	4037	[6109, 6594]	7075	[9821, 9822]	10113	[2506, 5978]
1000	[1904, 1905]	4038	[5972, 6595]	7076	[9823, 9824]	10114	[7648, 11707]
1001	[1906, 1907]	4039	[6596, 6597]	7077	[9825, 4064]	10115	[11084, 11425]
1002	[1908, 1909]	4040	[6598, 6599]	7078	[9126, 9826]	10116	[11708, 11628]
1003	[1873, 1910]	4041	[2016, 6600]	7079	[9827, 9828]	10117	[6021, 11584]
1004	[1911, 1912]	4042	[6601, 6602]	7080	[474, 9829]	10118	[3306, 7477]
1005	[1913, 1914]	4043	[6603, 2495]	7081	[5180, 8425]	10119	[6969, 11509]
1006	[1915, 1916]	4044	[3127, 6604]	7082	[4858, 8616]	10120	[2228, 6376]
1007	[1917, 1918]	4045	[6605, 6606]	7083	[9830, 1547]	10121	[11421, 6973]
1008	[1919, 1920]	4046	[6187, 2571]	7084	[9831, 1523]	10122	[8202, 928]
1009	[1921, 1922]	4047	[209, 5928]	7085	[3430, 9832]	10123	[10919, 5801]
1010	[669, 853]	4048	[2139, 3183]	7086	[4993, 9833]	10124	[11571, 7721]
1011	[1923, 1924]	4049	[2675, 6607]	7087	[9834, 9688]	10125	[7581, 1897]
1012	[1925, 1926]	4050	[6608, 6609]	7088	[5218, 5384]	10126	[11082, 6473]
1013	[1927, 1928]	4051	[6610, 5627]	7089	[1108, 9835]	10127	[11304, 11622]
1014	[1929, 1930]	4052	[6611, 6612]	7090	[5136, 4091]	10128	[3251, 3213]
1015	[1931, 1932]	4053	[6613, 6614]	7091	[5537, 4372]	10129	[1859, 11709]
1016	[1933, 1934]	4054	[6615, 6616]	7092	[9836, 9837]	10130	[2612, 6545]
1017	[1935, 1936]	4055	[2690, 6617]	7093	[4580, 9838]	10131	[3101, 7754]
1018	[1937, 1938]	4056	[5800, 6618]	7094	[4978, 5079]	10132	[8233, 6948]
1019	[1939, 1940]	4057	[2286, 6619]	7095	[8811, 9839]	10133	[11075, 11710]
1020	[1941, 1942]	4058	[6620, 6621]	7096	[9840, 9841]	10134	[7640, 7316]
1021	[1943, 1944]	4059	[6622, 252]	7097	[8565, 463]	10135	[6179, 10966]
1022	[1945, 1946]	4060	[1885, 6457]	7098	[9842, 9843]	10136	[11263, 2316]
1023	[1947, 1948]	4061	[5743, 3137]	7099	[4171, 9249]	10137	[11711, 10661]
1024	[1949, 1943]	4062	[6623, 6624]	7100	[9844, 5153]	10138	[6129, 717]
1025	[1950, 1951]	4063	[6625, 2082]	7101	[8648, 9845]	10139	[11585, 2545]
1026	[1952, 1953]	4064	[6626, 6627]	7102	[9634, 8553]	10140	[6557, 7604]
1027	[1954, 1955]	4065	[2790, 6628]	7103	[8655, 9191]	10141	[11712, 11713]
1028	[1956, 1957]	4066	[6629, 6630]	7104	[9846, 9847]	10142	[11619, 11544]
1029	[1958, 1959]	4067	[6631, 6632]	7105	[9848, 1696]	10143	[1983, 11119]
1030	[1960, 1961]	4068	[1914, 6633]	7106	[9262, 9625]	10144	[11582, 7351]
1031	[1962, 1963]	4069	[2439, 6634]	7107	[9849, 9850]	10145	[11407, 10887]
1032	[1964, 1965]	4070	[6635, 6636]	7108	[9851, 9852]	10146	[6265, 3275]
1033	[1966, 1967]	4071	[6637, 6638]	7109	[9853, 9854]	10147	[6400, 2942]
1034	[1968, 649]	4072	[6639, 6640]	7110	[9855, 9856]	10148	[6381, 1908]
1035	[1969, 1970]	4073	[3120, 6641]	7111	[5043, 3732]	10149	[637, 11683]
1036	[1971, 1972]	4074	[2747, 6642]	7112	[3682, 1681]	10150	[183, 2850]
1037	[1973, 1974]	4075	[6643, 6644]	7113	[3616, 9477]	10151	[6378, 7461]
1038	[1975, 1976]	4076	[6645, 6646]	7114	[3543, 9857]	10152	[8078, 10759]
1039	[1977, 1978]	4077	[6647, 6648]	7115	[9858, 9859]	10153	[11714, 11064]
1040	[1979, 1980]	4078	[6649, 6650]	7116	[9485, 4586]	10154	[7642, 6642]
1041	[156, 639]	4079	[6651, 5704]	7117	[9860, 9861]	10155	[6050, 2247]

1042	[1906, 1981]	4080	[6652, 936]	7118	[9862, 4590]	10156	[11715, 11536]
1043	[1982, 1983]	4081	[6653, 6654]	7119	[9287, 4305]	10157	[10651, 6736]
1044	[39, 172]	4082	[6655, 2727]	7120	[9863, 4202]	10158	[11343, 8254]
1045	[1984, 1872]	4083	[6656, 6657]	7121	[9664, 5485]	10159	[129, 2683]
1046	[1985, 1986]	4084	[6658, 6659]	7122	[4160, 9864]	10160	[5914, 11716]
1047	[1987, 1988]	4085	[6567, 2978]	7123	[3903, 9865]	10161	[11136, 11317]
1048	[1989, 1990]	4086	[5926, 6660]	7124	[8990, 1087]	10162	[836, 11118]
1049	[1991, 1992]	4087	[2850, 6515]	7125	[9866, 3347]	10163	[11717, 5910]
1050	[1993, 1994]	4088	[6661, 2511]	7126	[9867, 9868]	10164	[6681, 11063]
1051	[1995, 1847]	4089	[668, 6662]	7127	[9869, 9870]	10165	[11718, 11719]
1052	[1996, 1997]	4090	[6663, 6664]	7128	[1434, 9871]	10166	[905, 7737]
1053	[1998, 1999]	4091	[6665, 6666]	7129	[9872, 9503]	10167	[3061, 11676]
1054	[2000, 2001]	4092	[2602, 5733]	7130	[113, 3560]	10168	[11720, 11008]
1055	[2002, 2003]	4093	[6667, 6668]	7131	[9873, 9514]	10169	[10672, 577]
1056	[2004, 2005]	4094	[6669, 6670]	7132	[3970, 9874]	10170	[11238, 8047]
1057	[2006, 2007]	4095	[6617, 2461]	7133	[1717, 4713]	10171	[10929, 7071]
1058	[2008, 2009]	4096	[6671, 6672]	7134	[9875, 1023]	10172	[11155, 7875]
1059	[2010, 855]	4097	[6673, 6674]	7135	[9876, 9877]	10173	[3148, 8050]
1060	[2011, 2012]	4098	[6675, 6475]	7136	[9878, 8960]	10174	[7448, 11721]
1061	[2013, 2014]	4099	[163, 6676]	7137	[9879, 9880]	10175	[2879, 6227]
1062	[2015, 2016]	4100	[3112, 6677]	7138	[9087, 5198]	10176	[11540, 11691]
1063	[2017, 2018]	4101	[6636, 1858]	7139	[9881, 5042]	10177	[11722, 11723]
1064	[2019, 2020]	4102	[2263, 3167]	7140	[8396, 8592]	10178	[6648, 7219]
1065	[2021, 2022]	4103	[6678, 6368]	7141	[3806, 9882]	10179	[6105, 2702]
1066	[2023, 2024]	4104	[6679, 6680]	7142	[1106, 9883]	10180	[11724, 11725]
1067	[2025, 2026]	4105	[6681, 569]	7143	[9884, 9885]	10181	[7437, 8041]
1068	[2027, 2028]	4106	[6682, 6683]	7144	[9731, 4990]	10182	[3304, 6427]
1069	[2029, 2030]	4107	[1957, 6684]	7145	[9886, 8980]	10183	[7987, 11102]
1070	[2031, 2032]	4108	[6685, 6686]	7146	[4438, 9887]	10184	[2229, 11463]
1071	[2033, 2034]	4109	[6687, 6688]	7147	[5019, 8898]	10185	[6738, 11726]
1072	[2035, 2036]	4110	[6689, 5699]	7148	[3951, 8304]	10186	[11248, 7113]
1073	[2037, 2038]	4111	[6690, 6691]	7149	[4252, 469]	10187	[2824, 7626]
1074	[2039, 2040]	4112	[6692, 2250]	7150	[9888, 8676]	10188	[3065, 630]
1075	[2041, 2042]	4113	[6491, 1868]	7151	[9889, 9890]	10189	[138, 10706]
1076	[2043, 2044]	4114	[6068, 6693]	7152	[8638, 8507]	10190	[7959, 11170]
1077	[2045, 2046]	4115	[6694, 6695]	7153	[1341, 9891]	10191	[11368, 5598]
1078	[2047, 2048]	4116	[6696, 2909]	7154	[9892, 3379]	10192	[1852, 5772]
1079	[2049, 2050]	4117	[6697, 6698]	7155	[9893, 3386]	10193	[11465, 3308]
1080	[2051, 2052]	4118	[6699, 6073]	7156	[4297, 9261]	10194	[3325, 10772]
1081	[2048, 2053]	4119	[6700, 6509]	7157	[8882, 8902]	10195	[6987, 11727]
1082	[2054, 651]	4120	[6701, 6702]	7158	[9300, 9695]	10196	[11054, 2476]
1083	[2055, 2056]	4121	[6703, 6704]	7159	[4356, 9011]	10197	[11218, 3128]
1084	[2057, 2058]	4122	[6705, 6706]	7160	[114, 981]	10198	[7763, 6687]
1085	[2059, 2060]	4123	[6707, 6708]	7161	[4860, 9697]	10199	[1883, 11728]

1086	[2061, 2062]	4124	[6709, 2053]	7162	[1316, 1523]	10200	[11034, 6675]
1087	[2063, 2064]	4125	[6710, 2762]	7163	[8430, 9894]	10201	[11358, 2092]
1088	[2065, 2066]	4126	[2686, 6711]	7164	[9895, 9896]	10202	[3295, 6068]
1089	[2067, 2068]	4127	[3246, 6712]	7165	[9897, 9898]	10203	[8008, 6860]
1090	[2069, 2070]	4128	[6713, 6312]	7166	[8351, 9899]	10204	[2389, 6686]
1091	[1980, 2071]	4129	[1982, 847]	7167	[1668, 9882]	10205	[7054, 11729]
1092	[2072, 2073]	4130	[6714, 2551]	7168	[9900, 4538]	10206	[5685, 3120]
1093	[2074, 2075]	4131	[6715, 6716]	7169	[9901, 9902]	10207	[10680, 7312]
1094	[2076, 2077]	4132	[6717, 6718]	7170	[1428, 8548]	10208	[8259, 11730]
1095	[2078, 2079]	4133	[6719, 6720]	7171	[9903, 9099]	10209	[2498, 7973]
1096	[2080, 2081]	4134	[5973, 6037]	7172	[9904, 9905]	10210	[6323, 6813]
1097	[2082, 2083]	4135	[6721, 6722]	7173	[4334, 8371]	10211	[2953, 6158]
1098	[2084, 2085]	4136	[6723, 6724]	7174	[9906, 3641]	10212	[3073, 7463]
1099	[2086, 2087]	4137	[6725, 6726]	7175	[9907, 9002]	10213	[11090, 8106]
1100	[2088, 2089]	4138	[148, 6727]	7176	[8358, 272]	10214	[10726, 11348]
1101	[2090, 2091]	4139	[6728, 6729]	7177	[5319, 5036]	10215	[6436, 10670]
1102	[2092, 2093]	4140	[6730, 6731]	7178	[9908, 9909]	10216	[6981, 11731]
1103	[2094, 2095]	4141	[6732, 6733]	7179	[1689, 9910]	10217	[11732, 11733]
1104	[2096, 2097]	4142	[6709, 6734]	7180	[9268, 8320]	10218	[11708, 7275]
1105	[2098, 841]	4143	[6735, 6736]	7181	[3338, 312]	10219	[2414, 2189]
1106	[2099, 41]	4144	[6036, 2512]	7182	[4679, 9911]	10220	[11407, 10707]
1107	[2100, 2101]	4145	[1965, 2832]	7183	[1079, 4688]	10221	[10955, 3046]
1108	[2102, 2103]	4146	[6453, 6737]	7184	[9912, 9913]	10222	[6400, 6987]
1109	[1963, 2104]	4147	[6738, 6739]	7185	[8930, 4625]	10223	[3166, 2666]
1110	[2105, 1873]	4148	[6740, 6741]	7186	[9914, 4565]	10224	[10827, 2378]
1111	[2106, 2107]	4149	[923, 6742]	7187	[8791, 9915]	10225	[7286, 6255]
1112	[2108, 638]	4150	[6743, 6744]	7188	[9686, 5351]	10226	[11734, 5963]
1113	[2109, 2110]	4151	[5935, 6745]	7189	[5266, 9837]	10227	[10706, 11408]
1114	[2111, 2112]	4152	[2271, 3311]	7190	[9916, 9917]	10228	[2108, 11683]
1115	[593, 2113]	4153	[6746, 6747]	7191	[9918, 9653]	10229	[11735, 11736]
1116	[2114, 2115]	4154	[2147, 3169]	7192	[9441, 9919]	10230	[6018, 10992]
1117	[2116, 2117]	4155	[6748, 6749]	7193	[9920, 9921]	10231	[2252, 3004]
1118	[2118, 2119]	4156	[589, 5927]	7194	[4144, 9922]	10232	[6979, 11307]
1119	[745, 2120]	4157	[2240, 3066]	7195	[3976, 284]	10233	[2752, 11461]
1120	[2121, 2122]	4158	[2204, 5785]	7196	[9732, 9923]	10234	[7486, 3216]
1121	[2123, 2093]	4159	[5991, 6750]	7197	[9924, 3465]	10235	[11737, 11738]
1122	[2124, 2125]	4160	[6751, 6752]	7198	[8953, 9925]	10236	[10732, 6046]
1123	[2126, 2127]	4161	[6753, 6754]	7199	[9926, 9927]	10237	[2337, 7309]
1124	[2128, 2129]	4162	[6755, 6756]	7200	[4302, 9833]	10238	[2900, 2182]
1125	[2130, 2131]	4163	[6757, 2331]	7201	[9928, 8594]	10239	[10734, 2092]
1126	[2132, 2133]	4164	[6758, 6143]	7202	[8449, 1589]	10240	[7929, 11283]
1127	[2134, 2135]	4165	[6759, 6760]	7203	[9150, 9929]	10241	[2747, 11639]
1128	[2136, 2137]	4166	[6761, 6762]	7204	[1391, 9930]	10242	[2474, 5560]
1129	[509, 2138]	4167	[6763, 6764]	7205	[3734, 4478]	10243	[11292, 2929]

1130	[2139, 2140]	4168	[2686, 6765]	7206	[9931, 9863]	10244	[682, 11739]
1131	[2141, 2142]	4169	[6766, 6767]	7207	[4188, 4511]	10245	[10850, 11529]
1132	[2143, 2144]	4170	[6768, 5748]	7208	[8874, 9932]	10246	[2185, 5852]
1133	[2145, 2146]	4171	[6769, 6770]	7209	[9933, 4258]	10247	[6339, 2435]
1134	[2147, 2148]	4172	[6771, 6772]	7210	[4828, 5547]	10248	[11427, 6821]
1135	[2025, 2149]	4173	[6773, 762]	7211	[9934, 3646]	10249	[2759, 11740]
1136	[2150, 2151]	4174	[6774, 5833]	7212	[9935, 9380]	10250	[10908, 11190]
1137	[2152, 2153]	4175	[6775, 6408]	7213	[8481, 4883]	10251	[7727, 10981]
1138	[128, 2154]	4176	[6776, 6404]	7214	[9629, 4726]	10252	[6985, 7239]
1139	[2155, 2156]	4177	[185, 5627]	7215	[4690, 9488]	10253	[5601, 42]
1140	[582, 2157]	4178	[6777, 2626]	7216	[3972, 8851]	10254	[11024, 8003]
1141	[2158, 2159]	4179	[934, 6778]	7217	[3494, 9936]	10255	[11741, 11338]
1142	[2160, 2161]	4180	[6532, 6779]	7218	[3717, 9775]	10256	[3026, 7104]
1143	[2162, 888]	4181	[6780, 6781]	7219	[9672, 9920]	10257	[8082, 8063]
1144	[2163, 2164]	4182	[6782, 5655]	7220	[9937, 9938]	10258	[5623, 11130]
1145	[583, 2165]	4183	[2787, 6717]	7221	[8330, 8397]	10259	[6426, 3305]
1146	[2166, 2167]	4184	[6783, 6784]	7222	[5091, 4542]	10260	[11742, 10837]
1147	[2168, 2169]	4185	[2925, 6785]	7223	[4970, 3531]	10261	[8192, 6964]
1148	[2170, 2171]	4186	[6786, 6787]	7224	[9939, 1085]	10262	[11312, 2352]
1149	[2172, 2173]	4187	[6788, 6263]	7225	[9872, 9813]	10263	[2942, 11727]
1150	[2174, 2175]	4188	[6789, 6790]	7226	[1299, 9940]	10264	[891, 11743]
1151	[2176, 2177]	4189	[6791, 6792]	7227	[9627, 9826]	10265	[6101, 11734]
1152	[2178, 2179]	4190	[154, 6793]	7228	[9941, 9594]	10266	[5622, 2209]
1153	[2180, 2181]	4191	[6794, 6795]	7229	[9942, 9943]	10267	[11744, 7722]
1154	[743, 2182]	4192	[6796, 6797]	7230	[4737, 8826]	10268	[6254, 7287]
1155	[2183, 2184]	4193	[6798, 6799]	7231	[3792, 9944]	10269	[3054, 7315]
1156	[2185, 2186]	4194	[6800, 6801]	7232	[5292, 9945]	10270	[11745, 11746]
1157	[2187, 2188]	4195	[2017, 2826]	7233	[9946, 9947]	10271	[6293, 7137]
1158	[2189, 2190]	4196	[6802, 2132]	7234	[3517, 9948]	10272	[8236, 11747]
1159	[2191, 2192]	4197	[2544, 6803]	7235	[9180, 9949]	10273	[7537, 6920]
1160	[2193, 2194]	4198	[6804, 6409]	7236	[4950, 3353]	10274	[11748, 11749]
1161	[2195, 2196]	4199	[6805, 6806]	7237	[8394, 9950]	10275	[6704, 2116]
1162	[2197, 2198]	4200	[820, 6807]	7238	[9951, 3727]	10276	[6621, 6166]
1163	[2199, 2200]	4201	[822, 6808]	7239	[9952, 3442]	10277	[5654, 836]
1164	[2201, 2202]	4202	[6809, 6810]	7240	[5499, 90]	10278	[7479, 8130]
1165	[2203, 2204]	4203	[6811, 6812]	7241	[9953, 1724]	10279	[11401, 5995]
1166	[2205, 2206]	4204	[6813, 6814]	7242	[4985, 5170]	10280	[2344, 11750]
1167	[2207, 2208]	4205	[6815, 6188]	7243	[352, 9572]	10281	[6247, 11133]
1168	[2209, 2168]	4206	[6567, 6816]	7244	[8341, 9954]	10282	[2461, 7759]
1169	[2210, 2211]	4207	[6817, 6818]	7245	[9892, 9955]	10283	[648, 2045]
1170	[2212, 61]	4208	[2810, 6819]	7246	[8483, 9956]	10284	[11678, 11172]
1171	[2213, 2214]	4209	[6820, 6821]	7247	[3989, 9957]	10285	[826, 5824]
1172	[2215, 2216]	4210	[6822, 2191]	7248	[363, 9958]	10286	[11751, 6018]
1173	[2217, 2218]	4211	[3231, 6823]	7249	[9959, 4712]	10287	[5796, 6614]

1174	[2219, 2220]	4212	[6824, 6825]	7250	[8964, 9809]	10288	[933, 3214]
1175	[2221, 2222]	4213	[6508, 2537]	7251	[9960, 3877]	10289	[2628, 10968]
1176	[2223, 2224]	4214	[6826, 6078]	7252	[9961, 9174]	10290	[11026, 6366]
1177	[2225, 2226]	4215	[5813, 5586]	7253	[8366, 4938]	10291	[3261, 10793]
1178	[2227, 2228]	4216	[6827, 6828]	7254	[1717, 4331]	10292	[10883, 11369]
1179	[2229, 2230]	4217	[6829, 6830]	7255	[9341, 1180]	10293	[11752, 623]
1180	[2231, 2232]	4218	[6661, 2608]	7256	[4086, 5445]	10294	[11753, 7705]
1181	[2233, 2234]	4219	[6831, 2722]	7257	[9537, 9934]	10295	[2610, 3302]
1182	[2235, 2236]	4220	[6832, 6833]	7258	[4328, 465]	10296	[11535, 11754]
1183	[2237, 2238]	4221	[6834, 6835]	7259	[9513, 9962]	10297	[6991, 7198]
1184	[2239, 2240]	4222	[6836, 6837]	7260	[4885, 5262]	10298	[131, 2837]
1185	[200, 2241]	4223	[2416, 6838]	7261	[1434, 9158]	10299	[5790, 2937]
1186	[2242, 2243]	4224	[6819, 6839]	7262	[8453, 9963]	10300	[6662, 5644]
1187	[2244, 2245]	4225	[6840, 6200]	7263	[8771, 3758]	10301	[7102, 5849]
1188	[2246, 2247]	4226	[6841, 6842]	7264	[8824, 1329]	10302	[564, 2460]
1189	[2248, 2249]	4227	[6843, 6844]	7265	[9964, 3865]	10303	[2523, 11755]
1190	[2250, 2251]	4228	[5634, 6845]	7266	[4115, 9965]	10304	[2977, 6816]
1191	[2252, 2253]	4229	[6846, 6847]	7267	[1370, 3816]	10305	[208, 10680]
1192	[2254, 2255]	4230	[954, 6848]	7268	[9966, 9967]	10306	[10680, 2481]
1193	[2256, 2257]	4231	[6849, 6850]	7269	[345, 9968]	10307	[5673, 11010]
1194	[739, 2258]	4232	[6851, 3140]	7270	[9969, 8418]	10308	[6518, 778]
1195	[2259, 2260]	4233	[6852, 3143]	7271	[3347, 9970]	10309	[11606, 11730]
1196	[2261, 2262]	4234	[6853, 885]	7272	[9971, 8944]	10310	[3221, 681]
1197	[2263, 719]	4235	[6854, 2549]	7273	[8851, 9972]	10311	[2365, 11547]
1198	[2264, 2265]	4236	[6855, 6856]	7274	[9973, 4705]	10312	[11756, 10894]
1199	[2266, 2267]	4237	[6675, 6857]	7275	[9974, 1044]	10313	[556, 1853]
1200	[2268, 721]	4238	[6858, 6859]	7276	[3359, 1519]	10314	[223, 7155]
1201	[2269, 2147]	4239	[6860, 6436]	7277	[3523, 9975]	10315	[11701, 8187]
1202	[832, 2270]	4240	[5658, 6861]	7278	[9939, 8561]	10316	[158, 11757]
1203	[2203, 2193]	4241	[5880, 618]	7279	[9976, 341]	10317	[870, 2448]
1204	[2271, 2272]	4242	[6862, 659]	7280	[9576, 8794]	10318	[6843, 7199]
1205	[174, 2273]	4243	[6863, 6864]	7281	[1321, 9977]	10319	[1919, 7671]
1206	[2274, 2275]	4244	[2712, 6865]	7282	[9978, 1009]	10320	[11758, 11759]
1207	[2276, 2277]	4245	[3302, 6866]	7283	[1151, 9685]	10321	[11615, 11760]
1208	[2278, 2279]	4246	[6867, 6868]	7284	[9979, 8964]	10322	[3032, 6521]
1209	[2280, 2281]	4247	[6869, 6870]	7285	[5227, 9420]	10323	[11714, 755]
1210	[2282, 2283]	4248	[6871, 6872]	7286	[9924, 4663]	10324	[2134, 7578]
1211	[2284, 2285]	4249	[5879, 617]	7287	[5417, 8910]	10325	[541, 7400]
1212	[2286, 2287]	4250	[6873, 6599]	7288	[9980, 8993]	10326	[6381, 7235]
1213	[2288, 2289]	4251	[6874, 6875]	7289	[8564, 9981]	10327	[5900, 2780]
1214	[2290, 2291]	4252	[6876, 6877]	7290	[64, 1138]	10328	[11475, 7858]
1215	[2292, 2293]	4253	[5939, 6878]	7291	[5228, 9982]	10329	[2295, 7489]
1216	[848, 2294]	4254	[6879, 6880]	7292	[8740, 5153]	10330	[643, 7260]
1217	[222, 2295]	4255	[6881, 6882]	7293	[378, 9969]	10331	[8108, 7166]

1218	[2296, 2297]	4256	[2026, 5947]	7294	[9117, 1182]	10332	[6424, 11457]
1219	[2298, 2299]	4257	[6883, 2604]	7295	[4850, 1589]	10333	[10607, 6325]
1220	[2300, 2301]	4258	[59, 6837]	7296	[9983, 9984]	10334	[6848, 8196]
1221	[2302, 2303]	4259	[6884, 6885]	7297	[8414, 9985]	10335	[1992, 3302]
1222	[2304, 2305]	4260	[6886, 6887]	7298	[5426, 9907]	10336	[11281, 2899]
1223	[2306, 2307]	4261	[6888, 6266]	7299	[5161, 9310]	10337	[7875, 11690]
1224	[2308, 2309]	4262	[6889, 6631]	7300	[9986, 4820]	10338	[11761, 10914]
1225	[2310, 2311]	4263	[6890, 3258]	7301	[5070, 9987]	10339	[7312, 11429]
1226	[2312, 2313]	4264	[6891, 3260]	7302	[9988, 9989]	10340	[11139, 11581]
1227	[2314, 2315]	4265	[6892, 6893]	7303	[5420, 3405]	10341	[6848, 7632]
1228	[2316, 2317]	4266	[6894, 6895]	7304	[5158, 4989]	10342	[8104, 11762]
1229	[2318, 2119]	4267	[6896, 6897]	7305	[4300, 8492]	10343	[2974, 2227]
1230	[2319, 2320]	4268	[6898, 6899]	7306	[4172, 9761]	10344	[6916, 11763]
1231	[2321, 2322]	4269	[6393, 6900]	7307	[4939, 4213]	10345	[11385, 2583]
1232	[2323, 2324]	4270	[6901, 6902]	7308	[1803, 9296]	10346	[11063, 6669]
1233	[2325, 2326]	4271	[6903, 3083]	7309	[5436, 1682]	10347	[11404, 8212]
1234	[2327, 2328]	4272	[552, 6904]	7310	[8702, 9990]	10348	[7234, 11021]
1235	[2329, 2330]	4273	[2038, 6905]	7311	[1332, 3444]	10349	[8020, 6283]
1236	[2331, 2332]	4274	[6906, 5648]	7312	[9991, 9992]	10350	[2415, 5572]
1237	[2333, 2334]	4275	[6907, 1899]	7313	[1563, 1774]	10351	[6615, 220]
1238	[1980, 942]	4276	[6908, 2263]	7314	[1565, 5083]	10352	[6965, 6462]
1239	[2335, 2336]	4277	[6909, 6910]	7315	[5201, 5524]	10353	[7619, 6565]
1240	[2337, 2338]	4278	[6911, 6912]	7316	[5203, 8967]	10354	[11764, 11677]
1241	[605, 2339]	4279	[6913, 683]	7317	[9993, 9994]	10355	[10776, 7389]
1242	[2340, 2341]	4280	[6899, 221]	7318	[8509, 8638]	10356	[2390, 6700]
1243	[2342, 2343]	4281	[2486, 6914]	7319	[9251, 9859]	10357	[11567, 11765]
1244	[2344, 2345]	4282	[6915, 6916]	7320	[9304, 4842]	10358	[630, 7227]
1245	[2346, 2347]	4283	[6917, 36]	7321	[9483, 1315]	10359	[6362, 2596]
1246	[2348, 2349]	4284	[6918, 6919]	7322	[1630, 8990]	10360	[6919, 10884]
1247	[2350, 2351]	4285	[6920, 1996]	7323	[9995, 9996]	10361	[3033, 8156]
1248	[2352, 2353]	4286	[6921, 6700]	7324	[9490, 9997]	10362	[6168, 6843]
1249	[2354, 2355]	4287	[6048, 3249]	7325	[9998, 9999]	10363	[1914, 3216]
1250	[2356, 2357]	4288	[6922, 6923]	7326	[5308, 9170]	10364	[11766, 7746]
1251	[2358, 2359]	4289	[6924, 2616]	7327	[3620, 10000]	10365	[11704, 7998]
1252	[2360, 2361]	4290	[6925, 928]	7328	[9077, 9774]	10366	[5784, 753]
1253	[2362, 2363]	4291	[6013, 2671]	7329	[3865, 8931]	10367	[8248, 11767]
1254	[2364, 2365]	4292	[2507, 5979]	7330	[9306, 10001]	10368	[11711, 11333]
1255	[2366, 2367]	4293	[6926, 6927]	7331	[4945, 8815]	10369	[7974, 6690]
1256	[2368, 667]	4294	[6928, 6929]	7332	[1612, 1285]	10370	[6029, 5846]
1257	[2369, 2370]	4295	[6594, 162]	7333	[1774, 9279]	10371	[8039, 7304]
1258	[2371, 2372]	4296	[5583, 6930]	7334	[10002, 9141]	10372	[10804, 7363]
1259	[2234, 2373]	4297	[6931, 6932]	7335	[10003, 10004]	10373	[5692, 6744]
1260	[2374, 2375]	4298	[6933, 2651]	7336	[10005, 3999]	10374	[8119, 5876]
1261	[2376, 2377]	4299	[6934, 6935]	7337	[10006, 4688]	10375	[679, 6126]

1262	[2378, 2379]	4300	[162, 6936]	7338	[10007, 9391]	10376	[10664, 11768]
1263	[2380, 2381]	4301	[3267, 6937]	7339	[5147, 10008]	10377	[7467, 11759]
1264	[2382, 2383]	4302	[2298, 6938]	7340	[10009, 10010]	10378	[558, 11357]
1265	[146, 800]	4303	[6939, 6940]	7341	[3675, 10011]	10379	[12, 7365]
1266	[2384, 2385]	4304	[2899, 3104]	7342	[5421, 1558]	10380	[2824, 3274]
1267	[2386, 2387]	4305	[6941, 6371]	7343	[10012, 4740]	10381	[2505, 10603]
1268	[2388, 756]	4306	[6942, 6943]	7344	[3516, 8702]	10382	[203, 7499]
1269	[2389, 9]	4307	[6944, 6945]	7345	[10013, 4552]	10383	[8186, 2440]
1270	[2390, 2391]	4308	[6946, 2767]	7346	[331, 9105]	10384	[11769, 2233]
1271	[2392, 2393]	4309	[1869, 6947]	7347	[3343, 3927]	10385	[1961, 6921]
1272	[2394, 2204]	4310	[6948, 6949]	7348	[3991, 4980]	10386	[11666, 7018]
1273	[2395, 2396]	4311	[6950, 2352]	7349	[1741, 1564]	10387	[712, 11483]
1274	[2397, 2398]	4312	[6951, 2443]	7350	[10014, 10015]	10388	[883, 11760]
1275	[2399, 2400]	4313	[2867, 6952]	7351	[10016, 338]	10389	[11568, 11770]
1276	[2401, 2402]	4314	[6953, 6954]	7352	[10017, 3565]	10390	[954, 7631]
1277	[2403, 2404]	4315	[6955, 6956]	7353	[4935, 4746]	10391	[11717, 538]
1278	[2405, 217]	4316	[6957, 6958]	7354	[258, 1660]	10392	[6346, 5765]
1279	[2406, 785]	4317	[6959, 6960]	7355	[9491, 10018]	10393	[7668, 5564]
1280	[2407, 2408]	4318	[2225, 6961]	7356	[10019, 1593]	10394	[2766, 10973]
1281	[2117, 2409]	4319	[6962, 6573]	7357	[4372, 3617]	10395	[11771, 11772]
1282	[2410, 2411]	4320	[6963, 6964]	7358	[10020, 9241]	10396	[10760, 3287]
1283	[2412, 2183]	4321	[6965, 6966]	7359	[10021, 8396]	10397	[11645, 2463]
1284	[2413, 2414]	4322	[6967, 6950]	7360	[301, 10022]	10398	[8125, 6921]
1285	[2415, 2416]	4323	[5559, 157]	7361	[8400, 8481]	10399	[11741, 11618]
1286	[2417, 2418]	4324	[6311, 6968]	7362	[10023, 10024]	10400	[2043, 11773]
1287	[657, 2226]	4325	[6969, 6970]	7363	[8921, 9361]	10401	[7367, 6322]
1288	[2419, 2141]	4326	[6392, 6971]	7364	[8633, 10025]	10402	[7196, 1905]
1289	[2420, 2421]	4327	[6972, 6973]	7365	[10026, 10027]	10403	[7293, 6395]
1290	[2422, 2423]	4328	[6974, 6975]	7366	[10028, 4427]	10404	[11774, 151]
1291	[2424, 687]	4329	[6976, 3124]	7367	[5430, 9121]	10405	[3153, 6779]
1292	[2425, 2426]	4330	[6977, 6978]	7368	[10029, 10030]	10406	[7892, 2821]
1293	[2427, 2428]	4331	[5629, 5855]	7369	[10031, 10032]	10407	[10804, 11530]
1294	[523, 58]	4332	[6979, 6980]	7370	[10033, 3830]	10408	[2171, 11775]
1295	[2429, 2430]	4333	[6981, 2568]	7371	[4382, 4984]	10409	[11776, 6826]
1296	[2431, 2432]	4334	[6982, 6983]	7372	[10034, 10035]	10410	[10651, 2076]
1297	[2433, 2434]	4335	[2277, 6984]	7373	[4960, 5217]	10411	[11365, 11777]
1298	[2435, 2436]	4336	[3005, 6985]	7374	[10036, 10037]	10412	[10593, 10907]
1299	[2437, 2438]	4337	[5672, 6986]	7375	[9695, 5534]	10413	[6250, 11398]
1300	[2439, 2440]	4338	[6987, 6988]	7376	[10038, 8804]	10414	[2608, 7682]
1301	[2367, 2441]	4339	[2382, 6989]	7377	[9610, 310]	10415	[10946, 11491]
1302	[2442, 2443]	4340	[6990, 2129]	7378	[10039, 5049]	10416	[6912, 3309]
1303	[2444, 695]	4341	[6546, 6991]	7379	[8522, 10040]	10417	[6206, 1897]
1304	[2445, 2446]	4342	[6992, 2538]	7380	[10041, 8782]	10418	[6865, 8096]
1305	[2447, 1841]	4343	[6993, 6994]	7381	[4379, 447]	10419	[11392, 6784]

1306	[2448, 644]	4344	[6995, 6996]	7382	[5206, 8514]	10420	[11275, 11778]
1307	[2449, 568]	4345	[6111, 2445]	7383	[72, 10042]	10421	[11228, 7336]
1308	[2450, 2451]	4346	[6997, 2246]	7384	[9417, 4041]	10422	[698, 11310]
1309	[858, 2178]	4347	[6998, 2088]	7385	[10043, 3579]	10423	[11590, 11366]
1310	[2452, 2453]	4348	[6999, 2216]	7386	[1606, 3742]	10424	[6623, 5581]
1311	[2454, 2455]	4349	[7000, 3264]	7387	[10044, 10045]	10425	[3284, 6767]
1312	[2456, 2457]	4350	[7001, 6453]	7388	[10017, 3492]	10426	[11430, 7746]
1313	[2458, 2459]	4351	[5999, 7002]	7389	[10046, 9597]	10427	[6972, 11779]
1314	[2460, 2461]	4352	[7003, 6841]	7390	[10047, 10048]	10428	[3048, 7453]
1315	[2462, 2463]	4353	[1984, 2105]	7391	[1314, 9484]	10429	[6317, 10981]
1316	[830, 2464]	4354	[2060, 7004]	7392	[10049, 10050]	10430	[11780, 11753]
1317	[2465, 2466]	4355	[2064, 7005]	7393	[9931, 3727]	10431	[11624, 5973]
1318	[2467, 1940]	4356	[7006, 7007]	7394	[1568, 10051]	10432	[8095, 11113]
1319	[2468, 2469]	4357	[7008, 6484]	7395	[10052, 10053]	10433	[11045, 7986]
1320	[882, 2470]	4358	[1978, 7009]	7396	[10054, 10055]	10434	[6125, 6118]
1321	[2471, 2472]	4359	[6117, 46]	7397	[5395, 10056]	10435	[848, 11504]
1322	[2473, 2081]	4360	[6065, 7010]	7398	[1656, 1369]	10436	[11647, 11781]
1323	[2474, 2475]	4361	[6510, 5724]	7399	[3661, 9095]	10437	[11245, 11782]
1324	[2119, 2476]	4362	[6824, 759]	7400	[5423, 4793]	10438	[10893, 11783]
1325	[2477, 2478]	4363	[6622, 7011]	7401	[10019, 4828]	10439	[1910, 10744]
1326	[2479, 2480]	4364	[7012, 7013]	7402	[10057, 3969]	10440	[11325, 6058]
1327	[2481, 2482]	4365	[7014, 7015]	7403	[1535, 4904]	10441	[7086, 213]
1328	[793, 2483]	4366	[7016, 7017]	7404	[9318, 9793]	10442	[11522, 2729]
1329	[2484, 2485]	4367	[535, 3182]	7405	[8433, 1040]	10443	[2741, 11784]
1330	[2486, 2487]	4368	[7018, 2864]	7406	[9582, 121]	10444	[7586, 7826]
1331	[2488, 2489]	4369	[7019, 7020]	7407	[10058, 10059]	10445	[11528, 10851]
1332	[2490, 2491]	4370	[2978, 7021]	7408	[8421, 3759]	10446	[805, 3201]
1333	[2492, 2493]	4371	[6160, 2750]	7409	[10060, 3839]	10447	[6859, 2448]
1334	[2494, 2495]	4372	[7022, 7023]	7410	[9893, 1054]	10448	[10831, 10956]
1335	[2496, 2497]	4373	[6736, 7024]	7411	[9801, 10061]	10449	[11160, 8171]
1336	[2498, 2499]	4374	[7025, 2271]	7412	[9224, 69]	10450	[11785, 6251]
1337	[2500, 2501]	4375	[7026, 5659]	7413	[4986, 5452]	10451	[7006, 7436]
1338	[2502, 2503]	4376	[7027, 7028]	7414	[8323, 8621]	10452	[2056, 6248]
1339	[2504, 2505]	4377	[2518, 6270]	7415	[10062, 4423]	10453	[2769, 11051]
1340	[2506, 2507]	4378	[2196, 7029]	7416	[8381, 1371]	10454	[11769, 6730]
1341	[2508, 2509]	4379	[7030, 7031]	7417	[10063, 8610]	10455	[7921, 2642]
1342	[2510, 2511]	4380	[7032, 7033]	7418	[10064, 3581]	10456	[3117, 920]
1343	[2512, 2513]	4381	[7034, 5861]	7419	[4436, 10040]	10457	[6570, 8099]
1344	[2514, 2515]	4382	[7035, 7036]	7420	[9588, 10065]	10458	[5937, 622]
1345	[2516, 2517]	4383	[808, 7037]	7421	[10066, 9734]	10459	[6724, 11441]
1346	[726, 2518]	4384	[6309, 7038]	7422	[10067, 10068]	10460	[2170, 11432]
1347	[2519, 821]	4385	[6533, 7039]	7423	[9044, 10069]	10461	[3106, 2563]
1348	[2520, 2521]	4386	[7040, 7041]	7424	[3813, 1384]	10462	[11479, 11786]
1349	[2522, 2523]	4387	[7042, 7043]	7425	[1036, 10070]	10463	[2706, 7664]

1350	[2524, 2525]	4388	[2291, 7044]	7426	[10071, 9671]	10464	[11172, 11314]
1351	[2158, 2526]	4389	[7036, 7045]	7427	[9632, 9137]	10465	[8077, 11787]
1352	[2527, 2528]	4390	[6779, 3076]	7428	[5001, 4617]	10466	[852, 670]
1353	[2529, 2530]	4391	[7046, 7047]	7429	[268, 4777]	10467	[1922, 6290]
1354	[2531, 2532]	4392	[7048, 7049]	7430	[8956, 4890]	10468	[6639, 5756]
1355	[2533, 2534]	4393	[7050, 7051]	7431	[10072, 9817]	10469	[7564, 770]
1356	[2535, 2536]	4394	[7052, 7053]	7432	[4894, 4795]	10470	[1855, 705]
1357	[206, 2537]	4395	[5875, 7054]	7433	[4663, 10073]	10471	[11788, 11789]
1358	[2538, 2539]	4396	[7055, 7056]	7434	[1211, 9330]	10472	[7846, 7313]
1359	[2540, 2541]	4397	[7057, 7058]	7435	[3394, 5165]	10473	[8272, 2834]
1360	[2542, 2543]	4398	[42, 7059]	7436	[5252, 4629]	10474	[11764, 11285]
1361	[2544, 2545]	4399	[3233, 7060]	7437	[4682, 4564]	10475	[6205, 7724]
1362	[2385, 148]	4400	[6888, 2573]	7438	[9789, 4313]	10476	[6424, 3226]
1363	[2546, 756]	4401	[7061, 7062]	7439	[4994, 10074]	10477	[11550, 11446]
1364	[2547, 2548]	4402	[7063, 3307]	7440	[10075, 9355]	10478	[8240, 6376]
1365	[2549, 2550]	4403	[7064, 7065]	7441	[4044, 10076]	10479	[6916, 11784]
1366	[552, 2551]	4404	[5857, 2149]	7442	[1637, 8575]	10480	[2784, 7061]
1367	[2552, 2553]	4405	[7066, 7067]	7443	[4148, 8855]	10481	[11790, 3012]
1368	[2554, 2555]	4406	[7068, 5789]	7444	[9866, 3720]	10482	[5823, 11685]
1369	[2556, 2557]	4407	[7069, 7070]	7445	[96, 5341]	10483	[6506, 3031]
1370	[2558, 2559]	4408	[7071, 7072]	7446	[8694, 425]	10484	[6500, 2891]
1371	[2560, 2561]	4409	[7073, 2706]	7447	[8526, 3484]	10485	[8146, 7704]
1372	[2562, 2563]	4410	[2523, 7074]	7448	[4528, 1255]	10486	[2851, 2998]
1373	[2564, 746]	4411	[701, 7075]	7449	[4821, 486]	10487	[10667, 6343]
1374	[2565, 2566]	4412	[6609, 2237]	7450	[10077, 10078]	10488	[2890, 6501]
1375	[2567, 2568]	4413	[7076, 7077]	7451	[10079, 10080]	10489	[11355, 11375]
1376	[2360, 2569]	4414	[7078, 3199]	7452	[5536, 8852]	10490	[10872, 7052]
1377	[2570, 2571]	4415	[6143, 7079]	7453	[3774, 8315]	10491	[7762, 6805]
1378	[2572, 2573]	4416	[7080, 7081]	7454	[9190, 9195]	10492	[11576, 7856]
1379	[2574, 2575]	4417	[7082, 7083]	7455	[9899, 5304]	10493	[11761, 2036]
1380	[2576, 2577]	4418	[7084, 790]	7456	[5245, 10081]	10494	[2979, 7731]
1381	[2578, 2579]	4419	[5736, 2320]	7457	[9064, 5350]	10495	[510, 519]
1382	[2580, 2344]	4420	[7085, 6361]	7458	[5045, 10081]	10496	[3117, 6232]
1383	[2581, 2582]	4421	[7086, 7087]	7459	[5029, 1476]	10497	[5764, 6347]
1384	[2583, 2584]	4422	[7088, 7089]	7460	[10082, 3441]	10498	[11455, 8005]
1385	[2585, 2586]	4423	[7090, 5729]	7461	[10083, 8763]	10499	[11207, 6989]
1386	[540, 2587]	4424	[7091, 7092]	7462	[5127, 10084]	10500	[11791, 11456]
1387	[2588, 2589]	4425	[2981, 7093]	7463	[9548, 1739]	10501	[11118, 7386]
1388	[2590, 2591]	4426	[7094, 2577]	7464	[8833, 3785]	10502	[11030, 5825]
1389	[2592, 2593]	4427	[2163, 6658]	7465	[8940, 1193]	10503	[2220, 6694]
1390	[2594, 2595]	4428	[7095, 7096]	7466	[10085, 10086]	10504	[11623, 11610]
1391	[2596, 2597]	4429	[5936, 621]	7467	[10087, 5351]	10505	[11110, 10879]
1392	[2598, 2599]	4430	[2918, 7097]	7468	[10088, 1834]	10506	[11216, 7089]
1393	[2600, 2601]	4431	[7098, 7099]	7469	[3607, 3363]	10507	[538, 8265]

1394	[2602, 2603]	4432	[7100, 7101]	7470	[3758, 10089]	10508	[11601, 7831]
1395	[2604, 2605]	4433	[2092, 7102]	7471	[10090, 10091]	10509	[3101, 7004]
1396	[2606, 2607]	4434	[6716, 7038]	7472	[10092, 9576]	10510	[11792, 10681]
1397	[2510, 2608]	4435	[2760, 7103]	7473	[10093, 10094]	10511	[7964, 3197]
1398	[2609, 33]	4436	[7104, 7105]	7474	[10095, 8935]	10512	[2927, 177]
1399	[1991, 2610]	4437	[7106, 860]	7475	[1608, 8835]	10513	[2914, 7428]
1400	[2611, 2048]	4438	[7107, 2382]	7476	[9358, 4343]	10514	[11135, 7474]
1401	[2612, 2613]	4439	[7108, 563]	7477	[10096, 10067]	10515	[705, 7276]
1402	[2614, 569]	4440	[2309, 6029]	7478	[1692, 10097]	10516	[11756, 11783]
1403	[2473, 2615]	4441	[6720, 7109]	7479	[9734, 10098]	10517	[2825, 2018]
1404	[2616, 2105]	4442	[812, 7110]	7480	[5353, 10099]	10518	[6420, 11300]
1405	[2617, 2618]	4443	[219, 6616]	7481	[10100, 1753]	10519	[7269, 10857]
1406	[2619, 2620]	4444	[7111, 2915]	7482	[1673, 10101]	10520	[2253, 2368]
1407	[135, 2519]	4445	[7112, 7113]	7483	[10102, 8342]	10521	[825, 5823]
1408	[2621, 2622]	4446	[6816, 7114]	7484	[10103, 9101]	10522	[6243, 11247]
1409	[2623, 2624]	4447	[7115, 7116]	7485	[4622, 4488]	10523	[11223, 7462]
1410	[2625, 866]	4448	[5740, 5966]	7486	[10104, 5137]	10524	[6364, 6313]
1411	[2626, 2627]	4449	[2543, 6819]	7487	[3547, 4794]	10525	[5635, 6606]
1412	[2628, 2629]	4450	[1872, 7117]	7488	[10105, 400]	10526	[7506, 6815]
1413	[2164, 2630]	4451	[7118, 2229]	7489	[441, 10106]	10527	[11221, 957]
1414	[2631, 2632]	4452	[7119, 7120]	7490	[4212, 8411]	10528	[11129, 5624]
1415	[2633, 2634]	4453	[7121, 6256]	7491	[3953, 10107]	10529	[6779, 2969]
1416	[2635, 2636]	4454	[7122, 7123]	7492	[4783, 1673]	10530	[10896, 7237]
1417	[2637, 2638]	4455	[7124, 563]	7493	[10108, 9983]	10531	[10673, 6016]
1418	[2639, 2640]	4456	[1923, 2153]	7494	[10109, 5316]	10532	[7298, 7764]
1419	[2641, 2642]	4457	[3240, 1908]	7495	[8730, 8644]	10533	[8032, 7769]
1420	[2643, 2644]	4458	[7125, 799]	7496	[10110, 9323]	10534	[2792, 2676]
1421	[2645, 527]	4459	[7126, 7127]	7497	[10111, 10112]	10535	[8225, 6048]
1422	[2646, 2647]	4460	[7128, 7129]	7498	[5126, 10113]	10536	[7515, 2519]
1423	[2648, 2649]	4461	[5637, 965]	7499	[8513, 5207]	10537	[6985, 668]
1424	[2650, 2651]	4462	[7130, 7131]	7500	[9314, 8737]	10538	[6312, 6967]
1425	[1972, 2652]	4463	[2942, 6988]	7501	[10114, 1332]	10539	[11134, 7591]
1426	[2653, 2654]	4464	[233, 226]	7502	[10115, 10116]	10540	[7335, 10738]
1427	[2655, 2656]	4465	[3076, 5776]	7503	[10117, 4008]	10541	[6878, 7358]
1428	[2657, 2658]	4466	[7132, 7133]	7504	[4862, 8940]	10542	[6853, 11059]
1429	[913, 2659]	4467	[55, 2944]	7505	[8970, 3564]	10543	[6079, 10964]
1430	[2660, 557]	4468	[7134, 7135]	7506	[10118, 10119]	10544	[11793, 11099]
1431	[2661, 2662]	4469	[620, 5702]	7507	[10120, 10121]	10545	[11217, 7493]
1432	[2663, 2664]	4470	[5646, 7136]	7508	[4538, 4431]	10546	[11794, 2764]
1433	[2665, 2666]	4471	[7137, 7138]	7509	[8524, 3990]	10547	[6045, 10733]
1434	[2667, 2668]	4472	[577, 6422]	7510	[10122, 3402]	10548	[11440, 7008]
1435	[2669, 2670]	4473	[7089, 7139]	7511	[10123, 4393]	10549	[2329, 10609]
1436	[2671, 2672]	4474	[5925, 7137]	7512	[9859, 100]	10550	[225, 234]
1437	[2673, 2674]	4475	[7140, 37]	7513	[10124, 1396]	10551	[6178, 574]

1438	[2675, 2676]	4476	[7141, 2227]	7514	[8593, 10125]	10552	[6528, 10725]
1439	[2677, 2678]	4477	[7142, 6225]	7515	[10126, 8397]	10553	[11467, 11726]
1440	[2679, 2680]	4478	[6579, 7143]	7516	[5203, 9544]	10554	[10944, 11757]
1441	[2681, 2682]	4479	[7144, 7145]	7517	[10127, 10128]	10555	[7662, 7418]
1442	[2683, 2684]	4480	[2540, 787]	7518	[10129, 9009]	10556	[11202, 893]
1443	[2685, 2686]	4481	[7146, 631]	7519	[1674, 9422]	10557	[7860, 838]
1444	[2687, 2688]	4482	[6991, 6843]	7520	[9306, 9346]	10558	[6097, 6658]
1445	[2689, 2690]	4483	[7147, 3281]	7521	[1067, 4255]	10559	[7208, 10737]
1446	[2691, 2692]	4484	[7148, 7149]	7522	[9557, 8697]	10560	[11646, 2632]
1447	[2693, 2694]	4485	[7150, 7151]	7523	[1182, 8326]	10561	[10750, 11762]
1448	[2695, 2696]	4486	[5969, 2447]	7524	[8875, 1719]	10562	[11795, 11796]
1449	[2697, 2698]	4487	[6413, 3321]	7525	[10130, 10131]	10563	[11679, 11687]
1450	[150, 2699]	4488	[6511, 7152]	7526	[8327, 10132]	10564	[11672, 10980]
1451	[2700, 2701]	4489	[7153, 7154]	7527	[10133, 8769]	10565	[6199, 8100]
1452	[2702, 2703]	4490	[5596, 7155]	7528	[5509, 10134]	10566	[7139, 6400]
1453	[2704, 2705]	4491	[7156, 7157]	7529	[9877, 10135]	10567	[6503, 8133]
1454	[2706, 2707]	4492	[7158, 7159]	7530	[9329, 4046]	10568	[3153, 2968]
1455	[2708, 2709]	4493	[7160, 7161]	7531	[4314, 10136]	10569	[11350, 901]
1456	[2559, 253]	4494	[46, 6827]	7532	[478, 9356]	10570	[2733, 817]
1457	[2710, 2711]	4495	[5695, 7162]	7533	[973, 8313]	10571	[8245, 11710]
1458	[2712, 192]	4496	[7163, 7164]	7534	[10137, 5186]	10572	[663, 2703]
1459	[2713, 2714]	4497	[7165, 6464]	7535	[9827, 10138]	10573	[7187, 5689]
1460	[2715, 2716]	4498	[7166, 7167]	7536	[1720, 1515]	10574	[5599, 2963]
1461	[2717, 2718]	4499	[7168, 7169]	7537	[9820, 10139]	10575	[3013, 11797]
1462	[2719, 2720]	4500	[2258, 7170]	7538	[4224, 5118]	10576	[849, 11439]
1463	[2721, 2148]	4501	[7171, 7172]	7539	[9604, 5240]	10577	[7385, 1878]
1464	[2358, 2722]	4502	[6629, 863]	7540	[10140, 8757]	10578	[11173, 3135]
1465	[2723, 2724]	4503	[7173, 2171]	7541	[8540, 1536]	10579	[45, 11506]
1466	[2725, 2726]	4504	[2550, 2146]	7542	[1023, 9997]	10580	[6964, 10931]
1467	[2727, 2728]	4505	[5848, 7034]	7543	[10141, 8322]	10581	[561, 11069]
1468	[2729, 2730]	4506	[6984, 2303]	7544	[5454, 3968]	10582	[6923, 11273]
1469	[720, 2731]	4507	[2860, 7174]	7545	[10142, 10143]	10583	[11798, 1197]
1470	[2732, 2733]	4508	[569, 6669]	7546	[10014, 9497]	10584	[9917, 11799]
1471	[2734, 2735]	4509	[7175, 7176]	7547	[8345, 10144]	10585	[8515, 11800]
1472	[2643, 2736]	4510	[7177, 7178]	7548	[4854, 4706]	10586	[5389, 10392]
1473	[2737, 2738]	4511	[6263, 7179]	7549	[10145, 10146]	10587	[11801, 103]
1474	[2739, 185]	4512	[7180, 7181]	7550	[10087, 9687]	10588	[5031, 9730]
1475	[2304, 2420]	4513	[876, 7182]	7551	[1738, 1828]	10589	[11802, 8301]
1476	[2740, 2741]	4514	[2091, 3256]	7552	[10147, 9727]	10590	[10544, 10389]
1477	[2742, 2743]	4515	[7183, 7184]	7553	[9518, 1066]	10591	[11803, 10112]
1478	[2744, 2745]	4516	[1850, 7185]	7554	[10148, 10149]	10592	[10379, 9075]
1479	[2746, 2747]	4517	[6999, 7186]	7555	[9993, 10150]	10593	[8498, 5423]
1480	[2748, 2749]	4518	[7187, 7188]	7556	[10151, 10152]	10594	[11804, 8778]
1481	[2750, 2751]	4519	[7189, 2337]	7557	[9496, 10015]	10595	[11805, 8732]

1482	[966, 2752]	4520	[758, 6825]	7558	[264, 9864]	10596	[1648, 9083]
1483	[2753, 2754]	4521	[7190, 7191]	7559	[10153, 10154]	10597	[5186, 10430]
1484	[544, 2755]	4522	[7192, 7193]	7560	[10155, 10152]	10598	[11806, 11807]
1485	[2756, 2757]	4523	[7194, 7195]	7561	[10156, 496]	10599	[3690, 5448]
1486	[2758, 2759]	4524	[7196, 7197]	7562	[10157, 10158]	10600	[4371, 1480]
1487	[2760, 2761]	4525	[7198, 7199]	7563	[5349, 1206]	10601	[4698, 1484]
1488	[2762, 2763]	4526	[6169, 7200]	7564	[10084, 10159]	10602	[1139, 11808]
1489	[2764, 2765]	4527	[6451, 7201]	7565	[5418, 4113]	10603	[4420, 11809]
1490	[2766, 2767]	4528	[7202, 7203]	7566	[1302, 4307]	10604	[10177, 10072]
1491	[2768, 2769]	4529	[2019, 6075]	7567	[10160, 1586]	10605	[11810, 11811]
1492	[841, 2770]	4530	[721, 7204]	7568	[4347, 5270]	10606	[4699, 1012]
1493	[2771, 2772]	4531	[7205, 7206]	7569	[4151, 10161]	10607	[3859, 1534]
1494	[733, 2773]	4532	[2722, 7207]	7570	[10162, 4946]	10608	[9479, 11812]
1495	[2774, 2775]	4533	[2968, 3076]	7571	[1461, 8560]	10609	[11813, 11814]
1496	[2776, 2777]	4534	[7208, 7209]	7572	[4813, 8382]	10610	[10086, 4381]
1497	[2778, 2779]	4535	[7210, 7211]	7573	[10163, 3557]	10611	[3350, 8970]
1498	[1975, 2780]	4536	[2278, 7212]	7574	[10164, 10165]	10612	[10170, 9258]
1499	[2781, 2782]	4537	[7213, 7214]	7575	[10166, 10167]	10613	[11815, 11816]
1500	[2783, 2784]	4538	[7215, 7216]	7576	[1654, 4620]	10614	[11817, 11818]
1501	[702, 2785]	4539	[7217, 955]	7577	[10168, 9234]	10615	[11819, 8986]
1502	[2525, 2786]	4540	[7218, 5573]	7578	[10169, 292]	10616	[4659, 9646]
1503	[32, 2787]	4541	[6899, 7219]	7579	[10170, 4977]	10617	[4342, 9359]
1504	[2788, 2789]	4542	[7220, 7221]	7580	[4201, 8867]	10618	[11820, 1160]
1505	[2790, 2791]	4543	[6198, 6587]	7581	[10171, 1077]	10619	[11821, 11822]
1506	[2192, 2792]	4544	[2121, 7222]	7582	[3969, 8664]	10620	[1761, 8709]
1507	[2719, 2793]	4545	[7223, 7224]	7583	[4506, 10165]	10621	[4159, 264]
1508	[2794, 2795]	4546	[7225, 6978]	7584	[9811, 8973]	10622	[9927, 11823]
1509	[2787, 2796]	4547	[7226, 7227]	7585	[10172, 10173]	10623	[11824, 996]
1510	[2797, 2798]	4548	[226, 7228]	7586	[8647, 10174]	10624	[8803, 11825]
1511	[2799, 2800]	4549	[7229, 7230]	7587	[10175, 8370]	10625	[1457, 11826]
1512	[2801, 2802]	4550	[7231, 2384]	7588	[10176, 10177]	10626	[8694, 5336]
1513	[2803, 2804]	4551	[7232, 2375]	7589	[10178, 8308]	10627	[8931, 411]
1514	[2805, 2806]	4552	[7233, 7234]	7590	[3689, 10179]	10628	[5555, 9647]
1515	[2807, 2808]	4553	[7235, 7236]	7591	[9622, 8998]	10629	[9104, 980]
1516	[2809, 189]	4554	[7237, 7238]	7592	[8313, 4474]	10630	[10466, 5469]
1517	[2542, 2810]	4555	[667, 7239]	7593	[4009, 9599]	10631	[11827, 11828]
1518	[2811, 2812]	4556	[7240, 7241]	7594	[9973, 4854]	10632	[8786, 11829]
1519	[2813, 2814]	4557	[7242, 3267]	7595	[9819, 10180]	10633	[5082, 3784]
1520	[2552, 2815]	4558	[7243, 7244]	7596	[10181, 8286]	10634	[11830, 1610]
1521	[2069, 2816]	4559	[7245, 7246]	7597	[1473, 3697]	10635	[11831, 5116]
1522	[2817, 2818]	4560	[7247, 7248]	7598	[9917, 10182]	10636	[11832, 11833]
1523	[2819, 2820]	4561	[7249, 631]	7599	[9953, 3511]	10637	[5193, 5155]
1524	[2821, 2822]	4562	[7250, 7116]	7600	[10183, 3813]	10638	[11834, 11835]
1525	[2823, 2824]	4563	[7251, 3247]	7601	[5360, 9326]	10639	[8293, 9069]

1526	[2825, 2826]	4564	[7252, 7253]	7602	[4452, 10184]	10640	[5293, 4187]
1527	[2827, 2828]	4565	[7254, 7255]	7603	[10185, 10186]	10641	[1642, 4024]
1528	[2829, 2830]	4566	[7256, 3239]	7604	[10187, 10188]	10642	[4114, 5057]
1529	[2831, 2832]	4567	[7257, 7258]	7605	[9413, 9838]	10643	[5295, 3589]
1530	[2833, 2834]	4568	[5918, 7259]	7606	[10189, 9657]	10644	[9081, 8993]
1531	[2835, 752]	4569	[2448, 7260]	7607	[8967, 10190]	10645	[9546, 11836]
1532	[2836, 2837]	4570	[743, 7261]	7608	[3955, 10191]	10646	[8839, 10317]
1533	[2838, 2839]	4571	[7262, 7263]	7609	[3548, 10192]	10647	[1003, 9273]
1534	[2640, 2840]	4572	[7264, 1889]	7610	[8306, 3752]	10648	[5499, 11837]
1535	[2841, 2842]	4573	[1951, 7265]	7611	[10193, 8313]	10649	[8968, 9058]
1536	[2843, 2844]	4574	[7266, 6760]	7612	[10194, 5015]	10650	[8498, 8905]
1537	[2845, 2846]	4575	[7267, 2128]	7613	[5425, 3562]	10651	[11838, 11839]
1538	[2847, 2848]	4576	[3034, 156]	7614	[3683, 4307]	10652	[9470, 4187]
1539	[2632, 2849]	4577	[7268, 7269]	7615	[1575, 9817]	10653	[342, 4386]
1540	[2850, 2851]	4578	[6994, 7270]	7616	[8664, 9874]	10654	[9544, 10190]
1541	[2852, 2853]	4579	[7271, 7272]	7617	[8656, 1254]	10655	[9937, 8933]
1542	[188, 2854]	4580	[7273, 6191]	7618	[5308, 4313]	10656	[1591, 3709]
1543	[731, 2855]	4581	[7274, 7275]	7619	[8939, 10195]	10657	[11840, 5493]
1544	[2856, 2857]	4582	[171, 40]	7620	[10033, 9226]	10658	[11841, 11842]
1545	[2858, 674]	4583	[3158, 7276]	7621	[3962, 10196]	10659	[11843, 11844]
1546	[2859, 2860]	4584	[1951, 7277]	7622	[10197, 3964]	10660	[8654, 11845]
1547	[2861, 502]	4585	[7278, 6063]	7623	[3368, 10198]	10661	[9058, 5297]
1548	[2862, 2863]	4586	[7279, 7280]	7624	[8329, 10199]	10662	[10402, 4120]
1549	[2864, 2070]	4587	[7281, 7282]	7625	[343, 5044]	10663	[8967, 11846]
1550	[2422, 2865]	4588	[2071, 6260]	7626	[3939, 10200]	10664	[9130, 1457]
1551	[2772, 2866]	4589	[6262, 5900]	7627	[4614, 4963]	10665	[4706, 9467]
1552	[2491, 2867]	4590	[7138, 3051]	7628	[9584, 10056]	10666	[343, 4387]
1553	[2868, 2869]	4591	[6388, 7283]	7629	[8757, 3500]	10667	[11847, 3674]
1554	[2870, 2871]	4592	[7284, 7285]	7630	[1013, 10201]	10668	[10133, 4912]
1555	[2872, 2873]	4593	[7286, 7287]	7631	[1815, 10202]	10669	[4931, 112]
1556	[2874, 2875]	4594	[3015, 7288]	7632	[1817, 4583]	10670	[4138, 4683]
1557	[2876, 2877]	4595	[1908, 7236]	7633	[5398, 452]	10671	[4912, 1700]
1558	[2878, 2879]	4596	[1867, 7289]	7634	[5294, 4510]	10672	[1771, 1115]
1559	[854, 2055]	4597	[6425, 7290]	7635	[1382, 10203]	10673	[11848, 8796]
1560	[2880, 2881]	4598	[7291, 7292]	7636	[4964, 10204]	10674	[4131, 9736]
1561	[2417, 509]	4599	[7293, 6994]	7637	[10205, 8483]	10675	[10095, 8906]
1562	[2882, 2883]	4600	[7294, 7295]	7638	[1631, 1087]	10676	[5028, 8908]
1563	[2884, 2885]	4601	[2882, 5887]	7639	[10206, 10207]	10677	[3619, 8905]
1564	[2886, 2887]	4602	[7296, 7297]	7640	[10208, 10209]	10678	[11849, 11800]
1565	[2888, 2889]	4603	[3229, 7298]	7641	[4170, 10210]	10679	[11850, 3803]
1566	[2890, 2891]	4604	[7299, 7300]	7642	[10211, 10212]	10680	[11851, 11852]
1567	[2892, 2893]	4605	[6182, 7301]	7643	[1245, 9911]	10681	[4839, 11853]
1568	[2894, 2895]	4606	[7302, 584]	7644	[5117, 8788]	10682	[8841, 1169]
1569	[2896, 2897]	4607	[7303, 6940]	7645	[10213, 3519]	10683	[4540, 9003]

1570	[2898, 2899]	4608	[7304, 2903]	7646	[10214, 10215]	10684	[9258, 5078]
1571	[2421, 2900]	4609	[7305, 7306]	7647	[1806, 5544]	10685	[1338, 497]
1572	[2901, 2902]	4610	[7307, 6038]	7648	[10216, 10217]	10686	[4946, 10501]
1573	[2903, 2904]	4611	[7308, 6202]	7649	[10218, 10219]	10687	[4066, 1115]
1574	[2893, 2905]	4612	[3235, 7309]	7650	[9415, 4772]	10688	[9935, 11854]
1575	[2906, 2907]	4613	[6708, 7310]	7651	[9676, 10220]	10689	[1301, 9883]
1576	[2908, 2909]	4614	[7311, 6972]	7652	[10221, 3409]	10690	[9401, 3370]
1577	[2910, 2911]	4615	[7312, 2482]	7653	[8478, 10222]	10691	[11840, 9564]
1578	[2912, 2827]	4616	[5679, 6737]	7654	[5148, 9960]	10692	[4559, 11855]
1579	[2913, 2914]	4617	[7313, 7314]	7655	[4648, 5228]	10693	[5300, 1012]
1580	[2915, 2916]	4618	[7315, 7316]	7656	[3536, 3573]	10694	[9847, 11856]
1581	[2162, 2917]	4619	[7120, 7317]	7657	[4131, 10223]	10695	[3889, 9608]
1582	[2918, 2919]	4620	[6797, 1939]	7658	[10224, 10225]	10696	[10123, 3986]
1583	[2920, 2921]	4621	[7318, 6511]	7659	[5527, 9808]	10697	[11857, 1568]
1584	[2922, 2923]	4622	[818, 7319]	7660	[10226, 10036]	10698	[4415, 8353]
1585	[2924, 2925]	4623	[53, 636]	7661	[110, 10227]	10699	[11858, 4994]
1586	[2926, 2927]	4624	[7320, 2945]	7662	[10228, 4436]	10700	[9019, 5219]
1587	[2928, 2929]	4625	[7321, 7322]	7663	[4531, 10229]	10701	[8986, 10396]
1588	[2930, 2931]	4626	[2594, 6486]	7664	[10230, 9151]	10702	[9576, 11859]
1589	[2932, 2933]	4627	[6701, 7323]	7665	[10137, 3453]	10703	[1522, 9450]
1590	[2934, 2665]	4628	[2581, 7324]	7666	[5440, 10231]	10704	[11860, 8649]
1591	[2935, 2936]	4629	[2645, 7325]	7667	[9671, 4172]	10705	[4201, 329]
1592	[2937, 2938]	4630	[5945, 6619]	7668	[10232, 9025]	10706	[11861, 10422]
1593	[2939, 2940]	4631	[7326, 7327]	7669	[1483, 10233]	10707	[1173, 9724]
1594	[2941, 2942]	4632	[2881, 190]	7670	[9805, 8486]	10708	[1736, 10223]
1595	[2943, 2944]	4633	[1990, 6198]	7671	[3879, 8400]	10709	[9379, 11854]
1596	[2945, 2675]	4634	[7328, 702]	7672	[10234, 9744]	10710	[1430, 4656]
1597	[2946, 2947]	4635	[3279, 6092]	7673	[1232, 10235]	10711	[29, 8524]
1598	[2948, 2424]	4636	[7329, 6143]	7674	[258, 1679]	10712	[11862, 11863]
1599	[2949, 2950]	4637	[7330, 6430]	7675	[330, 9104]	10713	[1244, 4679]
1600	[573, 772]	4638	[3292, 7331]	7676	[5169, 4986]	10714	[8595, 10467]
1601	[2951, 2952]	4639	[7332, 7333]	7677	[8885, 10236]	10715	[9780, 5274]
1602	[2953, 2954]	4640	[5848, 5860]	7678	[9487, 3951]	10716	[11864, 10077]
1603	[2955, 600]	4641	[805, 7334]	7679	[10237, 4918]	10717	[3401, 11865]
1604	[2956, 2133]	4642	[3252, 5958]	7680	[5241, 428]	10718	[9154, 9409]
1605	[2957, 2958]	4643	[7335, 6185]	7681	[4596, 9061]	10719	[1006, 8557]
1606	[2959, 2960]	4644	[2377, 3027]	7682	[1229, 10238]	10720	[11866, 11867]
1607	[2961, 2962]	4645	[6284, 2043]	7683	[1742, 3659]	10721	[10361, 8848]
1608	[2963, 2964]	4646	[7336, 7337]	7684	[10239, 1530]	10722	[11868, 9693]
1609	[2965, 2966]	4647	[7338, 7339]	7685	[10240, 5487]	10723	[4484, 11829]
1610	[2536, 2967]	4648	[7340, 6127]	7686	[8700, 10241]	10724	[10262, 1731]
1611	[2968, 2969]	4649	[7341, 818]	7687	[4385, 4836]	10725	[11869, 10205]
1612	[2573, 2970]	4650	[7342, 6070]	7688	[1624, 4873]	10726	[8860, 992]
1613	[2971, 2972]	4651	[6269, 7343]	7689	[10242, 10243]	10727	[4776, 4996]

1614	[2973, 2852]	4652	[5574, 7344]	7690	[10197, 5374]	10728	[11860, 9845]
1615	[2974, 2975]	4653	[7345, 6362]	7691	[3782, 290]	10729	[11870, 9374]
1616	[2976, 2139]	4654	[7346, 7156]	7692	[5339, 10244]	10730	[11871, 11872]
1617	[2977, 2978]	4655	[7347, 7348]	7693	[10245, 10246]	10731	[4919, 11873]
1618	[2979, 2980]	4656	[2659, 7349]	7694	[3465, 10073]	10732	[1175, 1116]
1619	[2981, 2982]	4657	[7350, 1946]	7695	[5265, 8408]	10733	[1493, 8411]
1620	[634, 2983]	4658	[7351, 7352]	7696	[10247, 10248]	10734	[10039, 9278]
1621	[2984, 2985]	4659	[7353, 7354]	7697	[10249, 9651]	10735	[11874, 11875]
1622	[2986, 2987]	4660	[7355, 3075]	7698	[8401, 10069]	10736	[5298, 9692]
1623	[2179, 2988]	4661	[7356, 7357]	7699	[10250, 9381]	10737	[4803, 10501]
1624	[2050, 2989]	4662	[7358, 7359]	7700	[4530, 10251]	10738	[4032, 11876]
1625	[2990, 2991]	4663	[7360, 652]	7701	[9844, 1628]	10739	[1062, 11877]
1626	[2800, 633]	4664	[5952, 7361]	7702	[10252, 5022]	10740	[8502, 5004]
1627	[2992, 2993]	4665	[7362, 7363]	7703	[10253, 4397]	10741	[9418, 9682]
1628	[2994, 2995]	4666	[6879, 7364]	7704	[10254, 4271]	10742	[11878, 3501]
1629	[2996, 2207]	4667	[6375, 7365]	7705	[10255, 10256]	10743	[4719, 4880]
1630	[924, 2997]	4668	[1988, 7366]	7706	[8705, 9529]	10744	[3392, 10277]
1631	[2998, 2999]	4669	[7367, 7368]	7707	[10254, 3682]	10745	[8383, 11879]
1632	[3000, 3001]	4670	[6361, 3332]	7708	[8423, 9145]	10746	[8752, 11880]
1633	[3002, 3003]	4671	[505, 7369]	7709	[8417, 10051]	10747	[4079, 3427]
1634	[3004, 3005]	4672	[2969, 5776]	7710	[4064, 5192]	10748	[11881, 367]
1635	[3006, 3007]	4673	[6576, 1896]	7711	[8293, 1780]	10749	[4504, 11882]
1636	[3008, 3009]	4674	[7370, 7371]	7712	[4114, 10257]	10750	[11801, 1537]
1637	[3010, 3011]	4675	[3191, 935]	7713	[5491, 437]	10751	[10129, 11883]
1638	[3012, 3013]	4676	[6612, 673]	7714	[9776, 8638]	10752	[9166, 4768]
1639	[3014, 3015]	4677	[2610, 581]	7715	[10164, 4507]	10753	[9577, 1670]
1640	[3016, 3017]	4678	[7372, 7373]	7716	[10258, 10259]	10754	[11884, 5130]
1641	[3018, 550]	4679	[7374, 251]	7717	[4827, 1593]	10755	[1170, 8476]
1642	[3019, 2389]	4680	[7375, 7376]	7718	[9551, 9510]	10756	[11885, 5407]
1643	[3020, 1959]	4681	[7377, 7378]	7719	[4030, 10260]	10757	[1618, 11886]
1644	[3021, 2229]	4682	[7379, 7380]	7720	[8447, 3835]	10758	[3934, 4958]
1645	[3022, 3023]	4683	[7381, 7382]	7721	[10261, 10161]	10759	[11887, 10541]
1646	[3024, 3025]	4684	[6069, 3273]	7722	[1253, 3723]	10760	[8428, 10215]
1647	[3026, 3027]	4685	[7383, 6982]	7723	[10262, 9405]	10761	[1456, 11888]
1648	[3028, 3029]	4686	[7384, 7385]	7724	[10263, 10264]	10762	[1012, 1033]
1649	[3030, 3031]	4687	[3030, 6507]	7725	[8768, 103]	10763	[9843, 8502]
1650	[3032, 3033]	4688	[7386, 7387]	7726	[10265, 3937]	10764	[1754, 9418]
1651	[3034, 3035]	4689	[7388, 5754]	7727	[10266, 1167]	10765	[3845, 3722]
1652	[502, 3036]	4690	[7389, 7390]	7728	[10267, 10268]	10766	[11889, 462]
1653	[3037, 2603]	4691	[7391, 7392]	7729	[1663, 10269]	10767	[10446, 11890]
1654	[3038, 3039]	4692	[7393, 6735]	7730	[467, 1788]	10768	[3440, 1349]
1655	[3040, 3041]	4693	[7394, 5807]	7731	[10270, 9310]	10769	[9571, 1030]
1656	[3042, 3043]	4694	[7395, 7396]	7732	[4809, 3458]	10770	[396, 9578]
1657	[3044, 3045]	4695	[2541, 6117]	7733	[8764, 9104]	10771	[4602, 9462]

1658	[3046, 3047]	4696	[7397, 2553]	7734	[8523, 30]	10772	[9112, 10546]
1659	[3048, 3049]	4697	[7398, 7399]	7735	[4369, 5445]	10773	[11891, 11892]
1660	[3050, 2845]	4698	[7400, 2756]	7736	[9171, 4792]	10774	[8947, 9384]
1661	[3051, 3052]	4699	[2007, 7401]	7737	[10271, 4470]	10775	[11850, 10340]
1662	[3053, 3054]	4700	[7402, 7403]	7738	[10010, 10272]	10776	[11893, 3855]
1663	[3055, 3056]	4701	[2113, 5711]	7739	[8490, 10273]	10777	[11894, 9499]
1664	[3057, 543]	4702	[7404, 6409]	7740	[10274, 4125]	10778	[9976, 11895]
1665	[3058, 819]	4703	[168, 5943]	7741	[9960, 3505]	10779	[3369, 11896]
1666	[3059, 2342]	4704	[6744, 7405]	7742	[4122, 10275]	10780	[11897, 8715]
1667	[3060, 2358]	4705	[7406, 6836]	7743	[4904, 9894]	10781	[9193, 10420]
1668	[3061, 3062]	4706	[7407, 7408]	7744	[10276, 346]	10782	[11898, 11899]
1669	[3063, 3064]	4707	[7409, 6787]	7745	[4577, 8660]	10783	[11900, 9998]
1670	[2696, 3065]	4708	[7410, 7411]	7746	[10277, 5241]	10784	[1558, 9185]
1671	[2002, 3066]	4709	[7412, 7413]	7747	[9590, 10278]	10785	[10559, 4482]
1672	[3067, 3068]	4710	[7414, 7415]	7748	[10279, 10280]	10786	[9195, 8923]
1673	[3069, 3070]	4711	[7416, 7417]	7749	[9731, 8556]	10787	[8792, 9924]
1674	[3071, 3072]	4712	[7418, 7419]	7750	[4728, 10281]	10788	[8805, 11901]
1675	[3073, 628]	4713	[7420, 7421]	7751	[4871, 500]	10789	[9562, 10374]
1676	[3074, 3075]	4714	[7118, 7422]	7752	[5164, 4315]	10790	[8744, 11902]
1677	[3076, 959]	4715	[7423, 173]	7753	[9549, 4317]	10791	[5128, 10159]
1678	[3077, 961]	4716	[5782, 842]	7754	[4953, 10282]	10792	[11903, 11904]
1679	[3078, 3079]	4717	[7424, 7425]	7755	[10283, 10284]	10793	[11905, 10114]
1680	[3080, 1993]	4718	[7426, 7427]	7756	[5208, 4478]	10794	[11906, 3799]
1681	[3081, 3082]	4719	[7428, 6090]	7757	[10285, 75]	10795	[11907, 11908]
1682	[3083, 3084]	4720	[7429, 6091]	7758	[10286, 3628]	10796	[11885, 10484]
1683	[3085, 2549]	4721	[7430, 7431]	7759	[10287, 10288]	10797	[11909, 1169]
1684	[3086, 3087]	4722	[6592, 2875]	7760	[4355, 8608]	10798	[8311, 9333]
1685	[3088, 3089]	4723	[6880, 7432]	7761	[8688, 10289]	10799	[11910, 3861]
1686	[2910, 2139]	4724	[7433, 1899]	7762	[10290, 10291]	10800	[3720, 9970]
1687	[3090, 621]	4725	[6976, 7434]	7763	[10292, 10293]	10801	[109, 9657]
1688	[3091, 3092]	4726	[2796, 6718]	7764	[5428, 1656]	10802	[9500, 4730]
1689	[3093, 3094]	4727	[7435, 7436]	7765	[9907, 5019]	10803	[3816, 10562]
1690	[3095, 1920]	4728	[615, 5612]	7766	[10294, 10295]	10804	[9956, 4849]
1691	[181, 865]	4729	[7437, 7080]	7767	[10296, 3841]	10805	[10301, 3973]
1692	[3096, 3097]	4730	[7438, 2604]	7768	[8501, 8536]	10806	[5171, 3349]
1693	[3098, 3099]	4731	[7115, 7439]	7769	[9677, 3767]	10807	[1631, 5006]
1694	[3100, 3101]	4732	[7440, 3077]	7770	[10297, 1247]	10808	[8992, 9871]
1695	[3102, 3103]	4733	[7441, 7442]	7771	[3374, 4765]	10809	[9868, 8449]
1696	[2407, 3104]	4734	[7443, 6398]	7772	[4389, 10298]	10810	[9389, 9405]
1697	[1889, 3105]	4735	[824, 7444]	7773	[10299, 1591]	10811	[3748, 3626]
1698	[3106, 3107]	4736	[8, 3096]	7774	[10300, 10102]	10812	[9092, 8947]
1699	[3108, 3109]	4737	[48, 7445]	7775	[10301, 3706]	10813	[9959, 1277]
1700	[3110, 3111]	4738	[7446, 7087]	7776	[260, 9954]	10814	[3655, 11808]
1701	[3112, 3113]	4739	[7124, 2689]	7777	[287, 10302]	10815	[3742, 4648]

1702	[2571, 3114]	4740	[2028, 7447]	7778	[1350, 10303]	10816	[3342, 4651]
1703	[632, 3115]	4741	[6571, 2783]	7779	[10304, 10305]	10817	[11911, 4970]
1704	[2089, 3116]	4742	[7448, 7449]	7780	[10306, 3956]	10818	[8387, 11912]
1705	[2317, 3117]	4743	[7450, 7451]	7781	[10307, 5478]	10819	[11897, 11913]
1706	[3118, 3119]	4744	[588, 3293]	7782	[10101, 9422]	10820	[9654, 4941]
1707	[2655, 3120]	4745	[7452, 7453]	7783	[4471, 9865]	10821	[8611, 9819]
1708	[3121, 3122]	4746	[2238, 7454]	7784	[10308, 10309]	10822	[8308, 8971]
1709	[3123, 3124]	4747	[7455, 6895]	7785	[9434, 271]	10823	[4637, 3714]
1710	[3125, 3126]	4748	[7392, 7456]	7786	[333, 5091]	10824	[8415, 11914]
1711	[3127, 3128]	4749	[2526, 7329]	7787	[10310, 5001]	10825	[11915, 10138]
1712	[3129, 3130]	4750	[7457, 2147]	7788	[1255, 10311]	10826	[1247, 11916]
1713	[3131, 3132]	4751	[2056, 2030]	7789	[10312, 10313]	10827	[11917, 10188]
1714	[3133, 2646]	4752	[7458, 7459]	7790	[5315, 10314]	10828	[11918, 11919]
1715	[3134, 3135]	4753	[7460, 7461]	7791	[1419, 9516]	10829	[8855, 9737]
1716	[3136, 3137]	4754	[7375, 7462]	7792	[10315, 10316]	10830	[10306, 10191]
1717	[3138, 3139]	4755	[6936, 2301]	7793	[1791, 10160]	10831	[8895, 3807]
1718	[3140, 3141]	4756	[627, 7463]	7794	[9818, 4284]	10832	[1239, 11920]
1719	[3142, 662]	4757	[7464, 7465]	7795	[4329, 10317]	10833	[9157, 5457]
1720	[3143, 3144]	4758	[536, 7466]	7796	[4117, 5522]	10834	[8809, 4951]
1721	[3145, 3146]	4759	[7467, 7468]	7797	[3645, 5037]	10835	[395, 411]
1722	[3147, 3148]	4760	[7469, 7470]	7798	[1545, 10318]	10836	[3688, 9640]
1723	[906, 2091]	4761	[7471, 7472]	7799	[10270, 9168]	10837	[11921, 11922]
1724	[3149, 2419]	4762	[7473, 7474]	7800	[4711, 1277]	10838	[452, 1018]
1725	[3150, 184]	4763	[6564, 7475]	7801	[1157, 9538]	10839	[8427, 9101]
1726	[3151, 761]	4764	[2687, 7476]	7802	[1416, 3949]	10840	[9587, 8939]
1727	[3152, 3153]	4765	[7477, 7118]	7803	[4727, 3713]	10841	[8974, 10336]
1728	[3154, 3155]	4766	[5779, 2392]	7804	[1622, 10319]	10842	[5199, 4917]
1729	[3156, 3157]	4767	[6617, 5710]	7805	[5051, 10313]	10843	[1306, 9649]
1730	[3158, 3159]	4768	[7478, 7000]	7806	[1130, 8788]	10844	[4771, 9416]
1731	[3160, 3161]	4769	[7479, 7480]	7807	[10187, 10320]	10845	[9772, 10520]
1732	[2352, 3162]	4770	[2546, 3042]	7808	[1245, 4680]	10846	[11923, 11924]
1733	[3163, 2266]	4771	[1983, 848]	7809	[10321, 4002]	10847	[1329, 3851]
1734	[3164, 3165]	4772	[7143, 7481]	7810	[10322, 10323]	10848	[4196, 11925]
1735	[2934, 3166]	4773	[5599, 2205]	7811	[10324, 10325]	10849	[3426, 11926]
1736	[3167, 3168]	4774	[7482, 5563]	7812	[9608, 10326]	10850	[8998, 9719]
1737	[2721, 3169]	4775	[2623, 7483]	7813	[5401, 8971]	10851	[5400, 11927]
1738	[3170, 3171]	4776	[7484, 6307]	7814	[4889, 4519]	10852	[3358, 11928]
1739	[3172, 3173]	4777	[2647, 7485]	7815	[10327, 10328]	10853	[3458, 8747]
1740	[2859, 2886]	4778	[1913, 7486]	7816	[1136, 10329]	10854	[11929, 9212]
1741	[3174, 3175]	4779	[7487, 7488]	7817	[8930, 4938]	10855	[10347, 11930]
1742	[717, 3176]	4780	[7193, 7489]	7818	[10330, 10177]	10856	[8550, 11836]
1743	[3177, 3178]	4781	[7490, 7491]	7819	[5357, 10331]	10857	[4293, 9716]
1744	[3179, 3180]	4782	[7492, 874]	7820	[9468, 10332]	10858	[10532, 5309]
1745	[3181, 3182]	4783	[6252, 3071]	7821	[9811, 8512]	10859	[11931, 5230]

1746	[2911, 3183]	4784	[7413, 7048]	7822	[10333, 5530]	10860	[1215, 4388]
1747	[3184, 2917]	4785	[7493, 7494]	7823	[4585, 3659]	10861	[11932, 11933]
1748	[2726, 3185]	4786	[7495, 7496]	7824	[10334, 8522]	10862	[1442, 10274]
1749	[3186, 3187]	4787	[7497, 7080]	7825	[10335, 10336]	10863	[1174, 9725]
1750	[3188, 3189]	4788	[6428, 7018]	7826	[10173, 10337]	10864	[9964, 4674]
1751	[3190, 3191]	4789	[7498, 7499]	7827	[9737, 10338]	10865	[8724, 1555]
1752	[3192, 2813]	4790	[7500, 1956]	7828	[3715, 10339]	10866	[10393, 9062]
1753	[3193, 3194]	4791	[1988, 2853]	7829	[3802, 10340]	10867	[11934, 436]
1754	[3195, 3196]	4792	[7501, 7502]	7830	[8866, 3498]	10868	[8290, 10467]
1755	[3197, 3198]	4793	[7503, 7504]	7831	[3894, 9257]	10869	[10532, 9477]
1756	[3199, 2484]	4794	[7505, 7506]	7832	[4966, 3643]	10870	[11935, 9420]
1757	[3200, 3201]	4795	[6168, 7198]	7833	[4717, 1605]	10871	[3710, 5358]
1758	[3202, 3203]	4796	[6735, 2076]	7834	[4949, 445]	10872	[5486, 4560]
1759	[3204, 3205]	4797	[7507, 6274]	7835	[4231, 10341]	10873	[4032, 9284]
1760	[3206, 3207]	4798	[7169, 7508]	7836	[8656, 4528]	10874	[10386, 11936]
1761	[3208, 3209]	4799	[6098, 7509]	7837	[3762, 10342]	10875	[3636, 8605]
1762	[3210, 3211]	4800	[772, 7510]	7838	[10297, 3554]	10876	[4326, 8787]
1763	[3212, 3213]	4801	[5755, 6640]	7839	[10235, 3583]	10877	[1058, 9030]
1764	[3214, 3215]	4802	[7511, 7512]	7840	[10343, 10344]	10878	[470, 8416]
1765	[3216, 3217]	4803	[7513, 7514]	7841	[10345, 4412]	10879	[11937, 9637]
1766	[3218, 3219]	4804	[7515, 136]	7842	[10165, 10346]	10880	[5164, 9004]
1767	[2135, 3220]	4805	[7516, 7151]	7843	[10347, 9248]	10881	[11938, 11939]
1768	[3221, 3222]	4806	[3297, 7517]	7844	[9680, 3355]	10882	[5204, 9887]
1769	[3223, 3224]	4807	[7518, 803]	7845	[10348, 10349]	10883	[10371, 11940]
1770	[3225, 3226]	4808	[943, 6261]	7846	[10350, 10351]	10884	[9687, 11941]
1771	[3227, 2114]	4809	[6693, 5750]	7847	[3430, 8856]	10885	[10115, 10032]
1772	[3228, 3229]	4810	[7519, 7520]	7848	[9112, 3515]	10886	[3750, 11845]
1773	[534, 3230]	4811	[2896, 6583]	7849	[9067, 8394]	10887	[8942, 3902]
1774	[2883, 3231]	4812	[7521, 2397]	7850	[10198, 10352]	10888	[1148, 4619]
1775	[3232, 2209]	4813	[7522, 7523]	7851	[4793, 3895]	10889	[11942, 10409]
1776	[817, 3233]	4814	[3021, 7422]	7852	[10120, 10353]	10890	[9791, 4075]
1777	[3234, 3235]	4815	[7524, 7071]	7853	[3686, 9683]	10891	[1243, 1007]
1778	[3236, 3237]	4816	[931, 7525]	7854	[8776, 4127]	10892	[9171, 10136]
1779	[3238, 2378]	4817	[7526, 7527]	7855	[10002, 9298]	10893	[9457, 4081]
1780	[3239, 3240]	4818	[6324, 7528]	7856	[10354, 10355]	10894	[11935, 306]
1781	[3241, 3242]	4819	[7529, 7530]	7857	[9010, 4357]	10895	[3678, 10488]
1782	[3243, 3244]	4820	[7531, 7532]	7858	[10217, 318]	10896	[11943, 11944]
1783	[3245, 3003]	4821	[7533, 7534]	7859	[10356, 10357]	10897	[11887, 11945]
1784	[3246, 3247]	4822	[7535, 7536]	7860	[10358, 8401]	10898	[8572, 10555]
1785	[3248, 3249]	4823	[6635, 6009]	7861	[1017, 4957]	10899	[11946, 10526]
1786	[3250, 3251]	4824	[7537, 5651]	7862	[5223, 10359]	10900	[10117, 3855]
1787	[3252, 3253]	4825	[3206, 6785]	7863	[8956, 4023]	10901	[4732, 11947]
1788	[3254, 3255]	4826	[7538, 7539]	7864	[4537, 405]	10902	[11948, 5401]
1789	[907, 3256]	4827	[7139, 2941]	7865	[4529, 1025]	10903	[8928, 11872]

1790	[3257, 3204]	4828	[6345, 7540]	7866	[4285, 10360]	10904	[9600, 8347]
1791	[3198, 3210]	4829	[7452, 3049]	7867	[10361, 1729]	10905	[4323, 11949]
1792	[3258, 3259]	4830	[1995, 7541]	7868	[10362, 10363]	10906	[11950, 10555]
1793	[3260, 3261]	4831	[2475, 5561]	7869	[3381, 1028]	10907	[5431, 10382]
1794	[189, 3262]	4832	[7542, 7381]	7870	[4264, 1792]	10908	[1381, 1699]
1795	[3263, 2556]	4833	[7543, 7544]	7871	[5248, 4942]	10909	[8317, 8738]
1796	[3264, 3265]	4834	[6921, 2391]	7872	[10364, 10146]	10910	[11951, 11952]
1797	[3266, 2451]	4835	[7545, 7546]	7873	[9598, 10365]	10911	[10528, 4651]
1798	[3267, 3268]	4836	[7547, 2833]	7874	[10366, 5181]	10912	[11953, 11954]
1799	[3018, 3269]	4837	[2802, 7548]	7875	[10367, 10368]	10913	[5553, 11955]
1800	[3270, 1955]	4838	[3051, 7549]	7876	[9739, 5292]	10914	[4108, 8849]
1801	[3271, 3272]	4839	[2844, 7550]	7877	[10369, 4683]	10915	[11956, 9469]
1802	[3273, 3274]	4840	[7551, 6356]	7878	[3751, 10370]	10916	[1780, 9699]
1803	[2988, 1901]	4841	[7552, 2592]	7879	[9903, 1090]	10917	[9459, 11957]
1804	[2666, 3275]	4842	[6729, 7553]	7880	[4358, 1500]	10918	[11958, 10282]
1805	[3276, 3277]	4843	[7554, 7406]	7881	[10371, 3455]	10919	[8289, 8595]
1806	[3278, 3279]	4844	[7555, 5671]	7882	[494, 1028]	10920	[4309, 11959]
1807	[3280, 3281]	4845	[7556, 2002]	7883	[10372, 10267]	10921	[21, 4003]
1808	[3282, 3283]	4846	[3270, 7557]	7884	[10373, 4703]	10922	[4685, 1005]
1809	[3284, 3285]	4847	[132, 7558]	7885	[1340, 3909]	10923	[9670, 4171]
1810	[3286, 3287]	4848	[7559, 7560]	7886	[4272, 10374]	10924	[5548, 8424]
1811	[3288, 3289]	4849	[7561, 7562]	7887	[9823, 9852]	10925	[11960, 9393]
1812	[3290, 3291]	4850	[7563, 6714]	7888	[10375, 9810]	10926	[9985, 9398]
1813	[3292, 3293]	4851	[7564, 2453]	7889	[10376, 9924]	10927	[1765, 11961]
1814	[3294, 3295]	4852	[7565, 2310]	7890	[10377, 9786]	10928	[1645, 3895]
1815	[2232, 3296]	4853	[5990, 7407]	7891	[1023, 10378]	10929	[4572, 991]
1816	[1855, 3158]	4854	[7566, 7567]	7892	[10379, 10380]	10930	[4017, 465]
1817	[572, 3297]	4855	[2455, 7568]	7893	[8802, 10381]	10931	[1367, 4397]
1818	[3298, 3299]	4856	[7569, 7570]	7894	[479, 10382]	10932	[4459, 9572]
1819	[3300, 3301]	4857	[7193, 5850]	7895	[4705, 9466]	10933	[8295, 391]
1820	[3302, 582]	4858	[7571, 734]	7896	[3733, 4894]	10934	[8551, 9628]
1821	[2877, 3303]	4859	[7572, 7573]	7897	[8917, 10383]	10935	[9187, 10274]
1822	[3304, 3305]	4860	[7574, 7575]	7898	[10279, 10384]	10936	[499, 117]
1823	[3306, 3307]	4861	[7576, 7577]	7899	[3421, 10139]	10937	[3453, 10430]
1824	[3308, 747]	4862	[6014, 740]	7900	[10385, 8314]	10938	[10006, 1080]
1825	[3309, 3310]	4863	[7578, 145]	7901	[8423, 4719]	10939	[1139, 9663]
1826	[3311, 3312]	4864	[7579, 7580]	7902	[5536, 9972]	10940	[4843, 11962]
1827	[2107, 3313]	4865	[2664, 7581]	7903	[10386, 8485]	10941	[1811, 11865]
1828	[1981, 3314]	4866	[7582, 7583]	7904	[4984, 4052]	10942	[9722, 294]
1829	[2432, 3315]	4867	[7584, 2136]	7905	[8736, 9315]	10943	[11963, 11964]
1830	[3316, 3317]	4868	[6862, 7367]	7906	[5090, 9436]	10944	[1580, 10513]
1831	[3318, 3319]	4869	[7585, 7586]	7907	[8341, 8836]	10945	[10031, 10116]
1832	[3320, 2102]	4870	[6429, 2069]	7908	[10264, 3369]	10946	[9995, 10566]
1833	[3321, 3322]	4871	[6440, 7587]	7909	[9914, 8872]	10947	[1259, 8327]

1834	[3323, 3324]	4872	[7588, 7589]	7910	[10189, 110]	10948	[340, 11895]
1835	[3325, 3326]	4873	[2052, 7590]	7911	[1261, 1506]	10949	[11965, 11966]
1836	[1910, 3327]	4874	[6574, 7591]	7912	[8645, 10387]	10950	[1465, 4532]
1837	[3328, 3329]	4875	[7535, 7592]	7913	[9601, 4493]	10951	[9269, 8338]
1838	[3330, 3331]	4876	[7593, 7594]	7914	[9246, 8641]	10952	[4565, 5195]
1839	[3332, 3333]	4877	[7595, 7596]	7915	[4326, 4943]	10953	[1510, 11967]
1840	[3334, 3335]	4878	[7597, 7598]	7916	[10145, 10388]	10954	[1810, 3401]
1841	[3336, 3337]	4879	[7599, 2980]	7917	[10389, 8906]	10955	[9825, 3905]
1842	[1672, 3338]	4880	[7600, 7601]	7918	[4355, 270]	10956	[8462, 4855]
1843	[3339, 3340]	4881	[5789, 7602]	7919	[5189, 10390]	10957	[1489, 11968]
1844	[81, 3341]	4882	[7603, 7604]	7920	[9829, 10391]	10958	[1699, 3763]
1845	[3342, 3343]	4883	[7605, 7606]	7921	[10389, 8935]	10959	[9851, 9824]
1846	[3344, 3345]	4884	[7607, 7608]	7922	[3648, 10392]	10960	[10194, 9412]
1847	[3346, 3347]	4885	[6637, 6812]	7923	[9177, 1466]	10961	[8343, 8880]
1848	[3348, 3349]	4886	[7609, 7610]	7924	[10393, 3666]	10962	[11969, 11843]
1849	[3350, 3351]	4887	[5611, 7611]	7925	[1729, 9735]	10963	[9696, 3538]
1850	[3352, 3353]	4888	[7612, 7613]	7926	[4426, 10394]	10964	[10007, 1653]
1851	[3354, 3355]	4889	[2151, 758]	7927	[10395, 10396]	10965	[8981, 11970]
1852	[3356, 969]	4890	[2519, 5660]	7928	[10397, 3711]	10966	[9858, 99]
1853	[3357, 1631]	4891	[1985, 7614]	7929	[9408, 1386]	10967	[8379, 1766]
1854	[3358, 1209]	4892	[7291, 2459]	7930	[1166, 9394]	10968	[10447, 5151]
1855	[1752, 3359]	4893	[7615, 7616]	7931	[3378, 9955]	10969	[5376, 298]
1856	[3360, 3361]	4894	[5890, 7617]	7932	[5139, 1305]	10970	[4471, 9406]
1857	[3362, 3363]	4895	[2266, 7618]	7933	[4277, 1409]	10971	[10560, 9783]
1858	[3364, 3365]	4896	[7619, 7184]	7934	[1009, 8595]	10972	[9401, 345]
1859	[3366, 3367]	4897	[6017, 6605]	7935	[9733, 9630]	10973	[10084, 9071]
1860	[3368, 3369]	4898	[7356, 7620]	7936	[5089, 10398]	10974	[9735, 10200]
1861	[3370, 3371]	4899	[5987, 7621]	7937	[8845, 4460]	10975	[9283, 11876]
1862	[3372, 3373]	4900	[3236, 7622]	7938	[1156, 5505]	10976	[4166, 3412]
1863	[3374, 1717]	4901	[177, 7623]	7939	[4010, 9652]	10977	[10418, 11971]
1864	[3375, 3376]	4902	[7624, 7625]	7940	[9442, 10399]	10978	[5104, 380]
1865	[1054, 3377]	4903	[3273, 7626]	7941	[9385, 4923]	10979	[10569, 10353]
1866	[3378, 3379]	4904	[2840, 7627]	7942	[10400, 10395]	10980	[11972, 9445]
1867	[3380, 3381]	4905	[6828, 7628]	7943	[10401, 3845]	10981	[8961, 11973]
1868	[3382, 1183]	4906	[7629, 7630]	7944	[10402, 10403]	10982	[10489, 9744]
1869	[3383, 3384]	4907	[7631, 7632]	7945	[10404, 9623]	10983	[11974, 11975]
1870	[3385, 3386]	4908	[7633, 7634]	7946	[10405, 10406]	10984	[8889, 10383]
1871	[3387, 3388]	4909	[2038, 7635]	7947	[10040, 10407]	10985	[11976, 3497]
1872	[3389, 3390]	4910	[7178, 1925]	7948	[8782, 8664]	10986	[5007, 269]
1873	[3391, 3392]	4911	[2810, 7636]	7949	[3741, 5104]	10987	[3846, 1708]
1874	[3393, 1109]	4912	[7637, 7638]	7950	[4075, 10257]	10988	[1208, 11928]
1875	[3394, 3395]	4913	[2280, 2224]	7951	[4619, 10408]	10989	[4611, 9452]
1876	[3396, 3397]	4914	[7639, 7640]	7952	[10409, 8349]	10990	[10570, 417]
1877	[3398, 3399]	4915	[7641, 7642]	7953	[9244, 10410]	10991	[4864, 72]

1878	[3400, 3401]	4916	[7643, 7644]	7954	[4622, 8707]	10992	[8559, 10502]
1879	[1264, 3402]	4917	[7083, 5853]	7955	[10075, 1407]	10993	[9792, 9319]
1880	[3403, 3404]	4918	[7645, 7646]	7956	[10092, 8793]	10994	[9505, 1118]
1881	[3405, 3406]	4919	[7647, 7648]	7957	[10411, 10412]	10995	[11977, 10414]
1882	[1290, 3407]	4920	[842, 6014]	7958	[3608, 9345]	10996	[10540, 11945]
1883	[3408, 1684]	4921	[7649, 7650]	7959	[4861, 4358]	10997	[11849, 8516]
1884	[3409, 3410]	4922	[7651, 5681]	7960	[1132, 8380]	10998	[8286, 4929]
1885	[3411, 3412]	4923	[5870, 7652]	7961	[4686, 3640]	10999	[991, 9446]
1886	[3413, 3414]	4924	[7320, 2192]	7962	[10413, 352]	11000	[1369, 4167]
1887	[3415, 3416]	4925	[5986, 6072]	7963	[5472, 10399]	11001	[1724, 8535]
1888	[3417, 3418]	4926	[7653, 2128]	7964	[454, 5269]	11002	[4459, 353]
1889	[3419, 3420]	4927	[7388, 7654]	7965	[4252, 1381]	11003	[4428, 4762]
1890	[1329, 1756]	4928	[7655, 7656]	7966	[3744, 1210]	11004	[1683, 8307]
1891	[3421, 3422]	4929	[7657, 7658]	7967	[5225, 8773]	11005	[1357, 9383]
1892	[3423, 3424]	4930	[7659, 7660]	7968	[9038, 10414]	11006	[11944, 11799]
1893	[1733, 3425]	4931	[7661, 7662]	7969	[8333, 3745]	11007	[3357, 8990]
1894	[5, 3426]	4932	[7663, 7664]	7970	[4567, 1780]	11008	[11978, 4729]
1895	[3427, 3428]	4933	[5753, 7654]	7971	[10415, 10416]	11009	[5316, 4176]
1896	[3429, 3430]	4934	[7665, 7185]	7972	[9909, 4818]	11010	[8809, 290]
1897	[3431, 3432]	4935	[2424, 5593]	7973	[10335, 8975]	11011	[4956, 4116]
1898	[3433, 3434]	4936	[7666, 7667]	7974	[8290, 4076]	11012	[11857, 8417]
1899	[3435, 3436]	4937	[2392, 7668]	7975	[8857, 9571]	11013	[5009, 11979]
1900	[3437, 3438]	4938	[769, 7669]	7976	[87, 9922]	11014	[10074, 8312]
1901	[3439, 89]	4939	[7058, 7670]	7977	[10417, 9340]	11015	[8521, 1107]
1902	[3440, 3441]	4940	[3095, 7671]	7978	[10418, 9947]	11016	[5381, 5059]
1903	[3442, 3443]	4941	[7672, 7673]	7979	[4018, 4763]	11017	[1051, 1508]
1904	[3444, 3445]	4942	[7674, 7675]	7980	[1588, 9773]	11018	[392, 8366]
1905	[3446, 3447]	4943	[7676, 7677]	7981	[8493, 8948]	11019	[3640, 11980]
1906	[380, 3448]	4944	[7678, 7610]	7982	[8900, 1799]	11020	[10544, 10095]
1907	[3449, 3450]	4945	[7679, 7680]	7983	[10321, 1805]	11021	[100, 11981]
1908	[3451, 397]	4946	[7681, 6888]	7984	[10419, 5533]	11022	[5454, 8861]
1909	[3452, 3453]	4947	[2511, 7682]	7985	[5517, 3769]	11023	[9044, 8402]
1910	[3390, 485]	4948	[5612, 7683]	7986	[10420, 10421]	11024	[10310, 11982]
1911	[3454, 3455]	4949	[7684, 7685]	7987	[10330, 1574]	11025	[8460, 991]
1912	[3456, 3457]	4950	[6660, 7686]	7988	[10422, 300]	11026	[5476, 5483]
1913	[3458, 3459]	4951	[6235, 7687]	7989	[4776, 8447]	11027	[3457, 11983]
1914	[3460, 3461]	4952	[7688, 7689]	7990	[3694, 5128]	11028	[24, 4737]
1915	[3462, 3463]	4953	[6993, 6395]	7991	[9282, 4058]	11029	[3840, 11920]
1916	[1763, 3464]	4954	[7690, 7667]	7992	[8407, 9080]	11030	[11984, 11985]
1917	[3465, 3466]	4955	[7691, 2135]	7993	[10423, 10424]	11031	[10430, 1813]
1918	[3467, 3468]	4956	[7692, 6963]	7994	[10074, 4819]	11032	[4594, 3628]
1919	[3469, 3470]	4957	[1934, 7217]	7995	[4662, 3465]	11033	[1512, 4836]
1920	[3471, 3472]	4958	[7693, 7694]	7996	[5361, 343]	11034	[11986, 11987]
1921	[3473, 3474]	4959	[7695, 671]	7997	[3401, 9465]	11035	[11803, 10497]

1922	[3475, 971]	4960	[3058, 7696]	7998	[10425, 10426]	11036	[1812, 10431]
1923	[3476, 3477]	4961	[7697, 7698]	7999	[9136, 9633]	11037	[356, 11988]
1924	[3478, 1809]	4962	[7699, 7614]	8000	[4963, 10427]	11038	[5234, 3992]
1925	[3479, 3480]	4963	[7310, 5569]	8001	[10428, 4391]	11039	[10110, 11843]
1926	[3481, 3482]	4964	[7700, 7701]	8002	[4956, 9965]	11040	[5374, 11989]
1927	[3483, 3484]	4965	[7702, 6038]	8003	[10429, 10384]	11041	[10103, 4444]
1928	[3485, 3486]	4966	[7703, 6040]	8004	[10430, 10431]	11042	[3799, 10000]
1929	[1395, 3487]	4967	[7656, 7291]	8005	[10432, 9650]	11043	[4896, 11908]
1930	[3488, 3489]	4968	[7410, 7704]	8006	[4368, 8346]	11044	[8816, 4564]
1931	[3490, 468]	4969	[7705, 7706]	8007	[10433, 8941]	11045	[1418, 5224]
1932	[3491, 3492]	4970	[7707, 7708]	8008	[10434, 10435]	11046	[11990, 357]
1933	[3493, 3494]	4971	[6453, 7709]	8009	[10436, 5122]	11047	[9474, 9977]
1934	[3495, 3496]	4972	[3080, 6024]	8010	[8959, 9963]	11048	[1126, 4237]
1935	[3497, 3498]	4973	[7710, 5726]	8011	[10437, 10389]	11049	[1522, 9517]
1936	[3499, 3500]	4974	[7711, 934]	8012	[10438, 4248]	11050	[5413, 5359]
1937	[3501, 3502]	4975	[7712, 7603]	8013	[5120, 8364]	11051	[4806, 9704]
1938	[3503, 3504]	4976	[7713, 7714]	8014	[9273, 10439]	11052	[8346, 11991]
1939	[3505, 3506]	4977	[6706, 7715]	8015	[1171, 8819]	11053	[9072, 9839]
1940	[3507, 3508]	4978	[7716, 7717]	8016	[10440, 10441]	11054	[4084, 10039]
1941	[3509, 987]	4979	[6892, 7718]	8017	[10442, 9426]	11055	[8574, 1638]
1942	[3510, 3511]	4980	[7719, 7720]	8018	[1477, 10443]	11056	[11884, 1634]
1943	[3512, 3513]	4981	[7430, 7721]	8019	[4870, 10444]	11057	[9899, 1713]
1944	[3514, 3515]	4982	[7122, 3017]	8020	[10445, 8482]	11058	[3894, 11979]
1945	[3516, 3517]	4983	[7722, 713]	8021	[4413, 10311]	11059	[11820, 388]
1946	[3518, 1014]	4984	[7723, 6613]	8022	[10446, 1723]	11060	[5487, 1450]
1947	[3519, 3520]	4985	[2220, 7724]	8023	[10447, 4547]	11061	[4132, 8669]
1948	[3521, 1733]	4986	[7725, 5934]	8024	[10448, 10156]	11062	[1334, 10113]
1949	[3522, 3514]	4987	[7718, 7726]	8025	[9694, 1808]	11063	[11961, 11992]
1950	[303, 3523]	4988	[6176, 7727]	8026	[4654, 10359]	11064	[4992, 8743]
1951	[3524, 3525]	4989	[7728, 6094]	8027	[10155, 10449]	11065	[8484, 11936]
1952	[3526, 3527]	4990	[7729, 7093]	8028	[9438, 10450]	11066	[11993, 3478]
1953	[3528, 3529]	4991	[7730, 938]	8029	[9646, 10451]	11067	[9659, 1745]
1954	[1259, 3530]	4992	[7599, 7731]	8030	[8865, 3497]	11068	[10044, 11867]
1955	[1100, 3517]	4993	[6950, 5697]	8031	[10452, 5233]	11069	[11994, 8354]
1956	[3531, 3532]	4994	[2731, 7732]	8032	[10453, 10441]	11070	[349, 8952]
1957	[3533, 3534]	4995	[7228, 6676]	8033	[4663, 3466]	11071	[8801, 4857]
1958	[3535, 3536]	4996	[7733, 6309]	8034	[10454, 1245]	11072	[9069, 1781]
1959	[3537, 3538]	4997	[6122, 7450]	8035	[1421, 267]	11073	[10369, 4139]
1960	[3539, 3540]	4998	[7734, 7735]	8036	[10452, 4887]	11074	[11856, 11995]
1961	[3541, 3542]	4999	[7736, 542]	8037	[9725, 10455]	11075	[10229, 8639]
1962	[3543, 1319]	5000	[814, 7313]	8038	[10456, 473]	11076	[11996, 4685]
1963	[3544, 3545]	5001	[7737, 6992]	8039	[10457, 10458]	11077	[11990, 11988]
1964	[3546, 3547]	5002	[2768, 7738]	8040	[3445, 9789]	11078	[10546, 8599]
1965	[1131, 3548]	5003	[7739, 6881]	8041	[10459, 10460]	11079	[10242, 3947]

1966	[3549, 3550]	5004	[7740, 7741]	8042	[4564, 8872]	11080	[9848, 5099]
1967	[3551, 3552]	5005	[7742, 920]	8043	[8350, 8348]	11081	[4002, 11874]
1968	[3553, 1254]	5006	[5598, 7743]	8044	[5507, 5165]	11082	[10265, 4559]
1969	[1246, 3554]	5007	[7744, 7745]	8045	[1095, 8777]	11083	[1263, 9724]
1970	[3555, 3556]	5008	[7746, 7747]	8046	[9715, 4294]	11084	[3487, 11997]
1971	[3557, 3558]	5009	[6627, 7748]	8047	[9575, 8793]	11085	[8659, 3409]
1972	[3559, 1142]	5010	[2401, 7749]	8048	[10461, 10462]	11086	[3548, 9541]
1973	[3560, 1818]	5011	[2095, 5595]	8049	[10463, 4465]	11087	[1217, 1136]
1974	[3561, 1791]	5012	[6116, 7750]	8050	[10464, 10465]	11088	[9479, 11968]
1975	[3562, 3563]	5013	[7751, 6174]	8051	[8940, 378]	11089	[11827, 9286]
1976	[3351, 3564]	5014	[6943, 6937]	8052	[8419, 9020]	11090	[11969, 9323]
1977	[3491, 3565]	5015	[7752, 7753]	8053	[9280, 8957]	11091	[96, 1632]
1978	[3566, 3567]	5016	[2060, 7754]	8054	[10466, 487]	11092	[11998, 4979]
1979	[3568, 3569]	5017	[7755, 2380]	8055	[10467, 3821]	11093	[9789, 9170]
1980	[3570, 3571]	5018	[6958, 7756]	8056	[4592, 5238]	11094	[3648, 5405]
1981	[3572, 1163]	5019	[7757, 7758]	8057	[4589, 3551]	11095	[11999, 10249]
1982	[3573, 3574]	5020	[7759, 7760]	8058	[1052, 10468]	11096	[9146, 10503]
1983	[3575, 3576]	5021	[5794, 6506]	8059	[10395, 8987]	11097	[9145, 4880]
1984	[3577, 3578]	5022	[7761, 7762]	8060	[10469, 10470]	11098	[8932, 9938]
1985	[3579, 3580]	5023	[2892, 7763]	8061	[10471, 10472]	11099	[12000, 12001]
1986	[3581, 3582]	5024	[7764, 7765]	8062	[9650, 8952]	11100	[1808, 8962]
1987	[1168, 3583]	5025	[7766, 7767]	8063	[8503, 3786]	11101	[498, 10381]
1988	[3584, 3585]	5026	[7768, 7769]	8064	[8286, 5288]	11102	[8714, 11913]
1989	[1446, 1228]	5027	[7770, 7630]	8065	[10151, 10449]	11103	[12002, 1442]
1990	[3586, 3587]	5028	[7771, 7772]	8066	[9310, 9207]	11104	[10438, 1465]
1991	[3588, 3589]	5029	[7773, 827]	8067	[9770, 1065]	11105	[6, 4250]
1992	[3590, 3591]	5030	[2627, 2566]	8068	[10473, 10173]	11106	[3405, 1558]
1993	[3592, 3593]	5031	[7774, 7775]	8069	[3746, 83]	11107	[11994, 4014]
1994	[3594, 3595]	5032	[7776, 2841]	8070	[3701, 10474]	11108	[4803, 4260]
1995	[3453, 1812]	5033	[6124, 7777]	8071	[10147, 10475]	11109	[4034, 9110]
1996	[3596, 3597]	5034	[7778, 7779]	8072	[10476, 10477]	11110	[10422, 9653]
1997	[3598, 83]	5035	[2270, 7780]	8073	[9662, 9360]	11111	[4175, 5317]
1998	[3599, 3600]	5036	[7781, 7782]	8074	[3862, 10478]	11112	[12003, 9153]
1999	[3601, 3602]	5037	[234, 163]	8075	[10479, 8450]	11113	[10450, 3791]
2000	[3603, 3604]	5038	[6042, 2736]	8076	[10480, 3447]	11114	[1321, 9119]
2001	[3605, 3606]	5039	[7783, 7784]	8077	[1805, 10481]	11115	[9754, 10437]
2002	[1345, 1693]	5040	[862, 6630]	8078	[10482, 10483]	11116	[9536, 12004]
2003	[3607, 3608]	5041	[7785, 2176]	8079	[9757, 9651]	11117	[8979, 12005]
2004	[3609, 3610]	5042	[7786, 7787]	8080	[5406, 10484]	11118	[12006, 12007]
2005	[3611, 3612]	5043	[7481, 7742]	8081	[9651, 4011]	11119	[12008, 12009]
2006	[3613, 3614]	5044	[7788, 5902]	8082	[9041, 10485]	11120	[4637, 10500]
2007	[3615, 3616]	5045	[7789, 7790]	8083	[9234, 10486]	11121	[12010, 12011]
2008	[1480, 3617]	5046	[7791, 7002]	8084	[5313, 9354]	11122	[1642, 4964]
2009	[3618, 3619]	5047	[6610, 186]	8085	[10487, 1391]	11123	[12012, 8800]

2010	[3620, 3621]	5048	[7792, 7793]	8086	[5480, 3575]	11124	[5414, 9325]
2011	[3622, 3623]	5049	[2880, 189]	8087	[9668, 10259]	11125	[8793, 11859]
2012	[3624, 3625]	5050	[7794, 2415]	8088	[968, 9072]	11126	[5233, 3991]
2013	[3403, 3626]	5051	[6831, 2359]	8089	[9237, 10488]	11127	[426, 97]
2014	[976, 3627]	5052	[2564, 3308]	8090	[8405, 4887]	11128	[8781, 4442]
2015	[3628, 3629]	5053	[597, 3282]	8091	[4340, 115]	11129	[3555, 1084]
2016	[3630, 3631]	5054	[6404, 5680]	8092	[10489, 8378]	11130	[1003, 3950]
2017	[1242, 1006]	5055	[7795, 7796]	8093	[10490, 1417]	11131	[1555, 8551]
2018	[3632, 3633]	5056	[5594, 7797]	8094	[10136, 1227]	11132	[12013, 8584]
2019	[3634, 3635]	5057	[7798, 527]	8095	[1149, 3599]	11133	[10433, 8719]
2020	[3636, 3637]	5058	[7799, 887]	8096	[380, 4570]	11134	[8918, 5392]
2021	[1282, 3638]	5059	[7800, 7801]	8097	[10465, 8473]	11135	[8403, 5039]
2022	[3639, 3640]	5060	[2862, 6414]	8098	[4690, 4588]	11136	[4514, 1057]
2023	[3641, 3642]	5061	[7146, 7802]	8099	[10491, 10492]	11137	[1430, 282]
2024	[3643, 3644]	5062	[7803, 7804]	8100	[10493, 10494]	11138	[3975, 3711]
2025	[3645, 3646]	5063	[6922, 6548]	8101	[10495, 4159]	11139	[5336, 426]
2026	[3647, 3648]	5064	[6684, 7805]	8102	[4562, 10496]	11140	[8612, 9989]
2027	[1053, 3649]	5065	[7806, 6009]	8103	[1150, 4182]	11141	[8336, 9769]
2028	[1551, 1275]	5066	[7807, 7808]	8104	[8301, 10196]	11142	[12014, 12015]
2029	[3650, 3651]	5067	[7809, 7810]	8105	[10111, 10497]	11143	[10230, 9929]
2030	[3652, 3653]	5068	[7811, 7812]	8106	[9843, 8536]	11144	[1260, 9548]
2031	[3654, 3655]	5069	[7813, 7814]	8107	[10498, 8351]	11145	[12016, 11899]
2032	[297, 3656]	5070	[7815, 7816]	8108	[9697, 3918]	11146	[5113, 4560]
2033	[3657, 3658]	5071	[7817, 7818]	8109	[364, 9052]	11147	[9786, 12017]
2034	[3659, 3660]	5072	[3175, 7819]	8110	[10499, 10244]	11148	[5210, 1748]
2035	[3661, 1519]	5073	[7820, 7821]	8111	[4689, 1092]	11149	[5215, 5355]
2036	[3662, 3663]	5074	[7822, 2272]	8112	[3713, 10500]	11150	[1499, 3670]
2037	[3664, 3665]	5075	[7823, 7824]	8113	[9724, 9146]	11151	[9285, 11828]
2038	[3666, 3667]	5076	[7825, 6491]	8114	[9211, 1833]	11152	[9528, 8706]
2039	[3668, 3669]	5077	[7490, 5868]	8115	[9295, 5188]	11153	[4277, 4102]
2040	[3670, 3671]	5078	[7826, 2565]	8116	[4968, 3494]	11154	[10440, 12018]
2041	[3672, 3673]	5079	[7827, 7828]	8117	[10501, 4261]	11155	[4614, 1293]
2042	[3674, 3675]	5080	[7829, 7830]	8118	[111, 4932]	11156	[12019, 4563]
2043	[3676, 3677]	5081	[6896, 7831]	8119	[9051, 365]	11157	[12020, 9703]
2044	[3678, 3679]	5082	[7024, 892]	8120	[4724, 10502]	11158	[12021, 12022]
2045	[1749, 3680]	5083	[2887, 7832]	8121	[4779, 8810]	11159	[10168, 10367]
2046	[3681, 3682]	5084	[7819, 7833]	8122	[9725, 10503]	11160	[10409, 10314]
2047	[3683, 1303]	5085	[7834, 2590]	8123	[9092, 8493]	11161	[9302, 9195]
2048	[3684, 1639]	5086	[7835, 6727]	8124	[4080, 10504]	11162	[8997, 5333]
2049	[3685, 3686]	5087	[7836, 7837]	8125	[1068, 10505]	11163	[89, 11837]
2050	[998, 3687]	5088	[5976, 7838]	8126	[3433, 3486]	11164	[12023, 12024]
2051	[3688, 3689]	5089	[2302, 7839]	8127	[8939, 10065]	11165	[1467, 1748]
2052	[1125, 3690]	5090	[7840, 7841]	8128	[10506, 10507]	11166	[11956, 10332]
2053	[1303, 3691]	5091	[7575, 7842]	8129	[10508, 10318]	11167	[9326, 278]

2054	[3692, 119]	5092	[2749, 6441]	8130	[3360, 4549]	11168	[12025, 3771]
2055	[3693, 3652]	5093	[7843, 6443]	8131	[10509, 4486]	11169	[9435, 9892]
2056	[3621, 3694]	5094	[7844, 5633]	8132	[10510, 9560]	11170	[9345, 10001]
2057	[3695, 3696]	5095	[7461, 7845]	8133	[10511, 10512]	11171	[9601, 5202]
2058	[402, 3697]	5096	[6148, 7846]	8134	[9237, 3679]	11172	[11982, 9367]
2059	[3698, 1243]	5097	[1958, 7847]	8135	[10229, 1250]	11173	[3554, 11916]
2060	[3699, 3700]	5098	[6866, 2157]	8136	[10513, 9144]	11174	[5121, 4353]
2061	[3701, 3702]	5099	[7848, 5832]	8137	[10514, 3827]	11175	[8278, 4718]
2062	[3703, 3704]	5100	[2215, 7186]	8138	[10515, 10516]	11176	[10101, 4050]
2063	[3705, 3706]	5101	[7849, 7850]	8139	[10517, 986]	11177	[8802, 12026]
2064	[3707, 3708]	5102	[5880, 7372]	8140	[10518, 10519]	11178	[8573, 9959]
2065	[3709, 3710]	5103	[5807, 2918]	8141	[4938, 9568]	11179	[10250, 4135]
2066	[3711, 3712]	5104	[7851, 7852]	8142	[1192, 10520]	11180	[9898, 12027]
2067	[3713, 3714]	5105	[6285, 2044]	8143	[4864, 5271]	11181	[3810, 1806]
2068	[362, 3715]	5106	[7853, 7512]	8144	[10495, 263]	11182	[11958, 4954]
2069	[3716, 3586]	5107	[2650, 7854]	8145	[5238, 4078]	11183	[4419, 1155]
2070	[3717, 3718]	5108	[7855, 607]	8146	[444, 8494]	11184	[4019, 1119]
2071	[3719, 3411]	5109	[2466, 6605]	8147	[3856, 8720]	11185	[8692, 8783]
2072	[3346, 3720]	5110	[149, 7856]	8148	[1523, 5265]	11186	[9886, 12005]
2073	[3721, 3722]	5111	[5711, 7857]	8149	[1621, 3596]	11187	[12028, 10294]
2074	[3723, 3724]	5112	[6101, 783]	8150	[10521, 3503]	11188	[9801, 9561]
2075	[3725, 3726]	5113	[7858, 7182]	8151	[4134, 9381]	11189	[11832, 8518]
2076	[3727, 3728]	5114	[7859, 6041]	8152	[10522, 10523]	11190	[12013, 1070]
2077	[3729, 3730]	5115	[7860, 7861]	8153	[10524, 9918]	11191	[8417, 1569]
2078	[1162, 3731]	5116	[7862, 7863]	8154	[10366, 8637]	11192	[3785, 8504]
2079	[1164, 3732]	5117	[7864, 7865]	8155	[9301, 4869]	11193	[4209, 9691]
2080	[1759, 3733]	5118	[6838, 7866]	8156	[4672, 9569]	11194	[8848, 9735]
2081	[3734, 3735]	5119	[7678, 7867]	8157	[9144, 4719]	11195	[449, 10101]
2082	[3736, 3737]	5120	[154, 7868]	8158	[10525, 344]	11196	[1798, 8901]
2083	[3738, 3739]	5121	[7289, 7869]	8159	[9163, 3633]	11197	[11930, 8567]
2084	[3740, 3741]	5122	[2404, 7870]	8160	[9875, 9490]	11198	[303, 404]
2085	[3742, 3743]	5123	[6926, 7871]	8161	[8435, 10526]	11199	[4464, 12029]
2086	[3744, 3745]	5124	[7872, 7873]	8162	[10527, 495]	11200	[5161, 9168]
2087	[3746, 433]	5125	[2330, 7874]	8163	[8306, 10370]	11201	[3423, 12004]
2088	[3747, 3748]	5126	[7875, 7876]	8164	[10436, 107]	11202	[3728, 12030]
2089	[3749, 3750]	5127	[7877, 129]	8165	[3961, 8301]	11203	[4743, 9910]
2090	[3751, 3752]	5128	[6007, 7878]	8166	[10528, 3343]	11204	[11903, 9371]
2091	[1084, 3753]	5129	[6869, 7879]	8167	[10529, 1806]	11205	[12031, 11879]
2092	[3754, 3755]	5130	[7880, 7028]	8168	[9439, 9985]	11206	[5261, 4886]
2093	[3756, 3757]	5131	[6820, 7881]	8169	[10530, 5282]	11207	[305, 12032]
2094	[3758, 3759]	5132	[7882, 7883]	8170	[9210, 4191]	11208	[3823, 11914]
2095	[3760, 3761]	5133	[7884, 2695]	8171	[5018, 10270]	11209	[9918, 300]
2096	[3762, 1378]	5134	[7885, 2420]	8172	[10531, 10286]	11210	[3733, 4794]
2097	[3579, 1143]	5135	[7886, 7887]	8173	[5278, 3726]	11211	[3436, 3582]

2098	[470, 3763]	5136	[7888, 2717]	8174	[9261, 9944]	11212	[12033, 8912]
2099	[3764, 3765]	5137	[7889, 7890]	8175	[4604, 10532]	11213	[1708, 10210]
2100	[3766, 3767]	5138	[7135, 7891]	8176	[10533, 10534]	11214	[997, 4268]
2101	[1743, 3768]	5139	[7892, 7513]	8177	[1157, 5506]	11215	[12034, 1619]
2102	[3769, 3770]	5140	[6360, 7893]	8178	[10535, 8695]	11216	[11923, 8470]
2103	[3771, 3772]	5141	[7894, 7895]	8179	[10536, 4022]	11217	[10066, 9630]
2104	[3773, 3774]	5142	[2743, 6186]	8180	[10105, 1201]	11218	[8510, 8507]
2105	[3775, 3776]	5143	[7896, 7364]	8181	[5239, 9605]	11219	[12035, 334]
2106	[3777, 3778]	5144	[6398, 7067]	8182	[4382, 4388]	11220	[12036, 9927]
2107	[3779, 3780]	5145	[7897, 2195]	8183	[1140, 4825]	11221	[10193, 974]
2108	[3781, 3782]	5146	[5790, 5717]	8184	[3999, 3362]	11222	[398, 9673]
2109	[3783, 3654]	5147	[7898, 7899]	8185	[1077, 5323]	11223	[9347, 9162]
2110	[3784, 459]	5148	[3123, 7434]	8186	[4337, 10537]	11224	[1688, 12037]
2111	[3785, 3786]	5149	[3245, 7900]	8187	[10467, 4077]	11225	[5453, 12038]
2112	[3787, 3788]	5150	[7901, 7902]	8188	[1839, 5075]	11226	[8314, 4286]
2113	[3789, 3790]	5151	[7903, 7904]	8189	[1662, 8688]	11227	[11802, 3962]
2114	[3791, 3792]	5152	[707, 3179]	8190	[404, 9975]	11228	[1603, 9431]
2115	[3793, 3794]	5153	[3269, 7165]	8191	[3359, 9095]	11229	[3973, 12039]
2116	[3660, 3795]	5154	[7905, 7906]	8192	[10538, 10539]	11230	[8467, 286]
2117	[3796, 3797]	5155	[7907, 7908]	8193	[10540, 10541]	11231	[10373, 3942]
2118	[3798, 3799]	5156	[138, 7269]	8194	[10276, 10471]	11232	[4328, 4018]
2119	[3800, 3801]	5157	[7909, 7728]	8195	[3708, 3639]	11233	[9600, 11991]
2120	[3802, 3803]	5158	[5774, 7729]	8196	[3493, 4969]	11234	[5442, 8917]
2121	[3804, 3805]	5159	[7910, 6197]	8197	[3523, 10542]	11235	[9250, 9762]
2122	[3806, 1669]	5160	[2857, 7911]	8198	[5265, 10543]	11236	[4119, 10403]
2123	[3807, 3546]	5161	[6445, 7912]	8199	[10160, 1762]	11237	[1269, 4875]
2124	[3808, 3809]	5162	[6828, 7913]	8200	[3915, 10544]	11238	[5309, 5024]
2125	[3810, 3811]	5163	[2412, 7914]	8201	[100, 10545]	11239	[5414, 5360]
2126	[3812, 1604]	5164	[7915, 6957]	8202	[1278, 107]	11240	[12040, 1171]
2127	[3813, 3382]	5165	[7916, 7917]	8203	[8879, 8344]	11241	[12041, 9248]
2128	[3814, 3815]	5166	[7918, 2297]	8204	[10546, 10547]	11242	[9790, 3553]
2129	[3816, 1456]	5167	[7919, 7920]	8205	[10548, 10549]	11243	[9675, 11974]
2130	[1826, 1662]	5168	[7278, 6541]	8206	[10550, 3645]	11244	[12042, 5421]
2131	[3817, 3818]	5169	[7921, 7922]	8207	[10551, 10552]	11245	[1721, 5334]
2132	[3819, 3820]	5170	[7923, 7924]	8208	[8331, 10553]	11246	[9644, 4463]
2133	[3821, 3822]	5171	[6942, 3267]	8209	[298, 9486]	11247	[12043, 3622]
2134	[3823, 3824]	5172	[2077, 892]	8210	[4749, 8834]	11248	[9836, 5267]
2135	[3825, 3826]	5173	[7925, 7926]	8211	[3966, 4113]	11249	[12016, 12044]
2136	[3827, 3828]	5174	[7927, 7928]	8212	[10554, 10404]	11250	[4922, 9386]
2137	[3829, 3830]	5175	[2461, 7929]	8213	[10162, 4803]	11251	[9500, 11980]
2138	[3831, 3832]	5176	[7930, 7931]	8214	[10555, 4711]	11252	[10376, 4662]
2139	[3833, 3834]	5177	[5728, 2578]	8215	[10556, 10557]	11253	[4445, 1598]
2140	[3835, 3836]	5178	[3183, 3108]	8216	[8619, 4262]	11254	[8299, 8545]
2141	[3837, 3838]	5179	[629, 7226]	8217	[10558, 4083]	11255	[4168, 5095]

2142	[1517, 3839]	5180	[2763, 2497]	8218	[10559, 5494]	11256	[3464, 4275]
2143	[3840, 1240]	5181	[6308, 7932]	8219	[8735, 9892]	11257	[4876, 9289]
2144	[3841, 3842]	5182	[7672, 2277]	8220	[9555, 1764]	11258	[1015, 8889]
2145	[3843, 3844]	5183	[7933, 7934]	8221	[5319, 9128]	11259	[11978, 10281]
2146	[3845, 3846]	5184	[5834, 7935]	8222	[1170, 4092]	11260	[10114, 4424]
2147	[3847, 3848]	5185	[7936, 7937]	8223	[10560, 4616]	11261	[99, 12045]
2148	[3849, 3850]	5186	[7938, 3292]	8224	[10561, 4401]	11262	[12046, 4121]
2149	[3851, 3852]	5187	[7939, 7940]	8225	[5382, 10141]	11263	[12047, 4123]
2150	[3853, 3854]	5188	[6859, 643]	8226	[1524, 10543]	11264	[9125, 4697]
2151	[3855, 3856]	5189	[7941, 7942]	8227	[1455, 10562]	11265	[3784, 4739]
2152	[3857, 3858]	5190	[532, 6516]	8228	[9154, 9720]	11266	[404, 10542]
2153	[3859, 3860]	5191	[7770, 6319]	8229	[10563, 1747]	11267	[4267, 998]
2154	[256, 3861]	5192	[7943, 2550]	8230	[10564, 4220]	11268	[11992, 3702]
2155	[3862, 464]	5193	[5749, 7944]	8231	[10079, 5081]	11269	[1764, 9209]
2156	[3863, 1635]	5194	[6963, 6302]	8232	[10565, 10566]	11270	[9083, 11927]
2157	[1122, 3520]	5195	[7945, 7946]	8233	[10567, 9218]	11271	[11824, 9758]
2158	[3864, 3865]	5196	[7947, 7948]	8234	[5520, 8813]	11272	[11819, 10395]
2159	[3866, 3867]	5197	[5957, 3253]	8235	[9977, 9635]	11273	[12048, 4296]
2160	[3868, 3869]	5198	[7949, 7950]	8236	[9321, 10568]	11274	[4940, 9655]
2161	[3870, 3871]	5199	[7951, 7952]	8237	[10569, 10121]	11275	[12049, 12050]
2162	[1235, 3872]	5200	[7587, 7953]	8238	[1451, 4915]	11276	[5279, 1476]
2163	[3873, 3874]	5201	[7954, 7955]	8239	[10570, 409]	11277	[1395, 8779]
2164	[106, 3875]	5202	[7956, 7957]	8240	[9882, 3931]	11278	[11893, 4008]
2165	[3876, 3877]	5203	[7958, 7959]	8241	[9926, 3993]	11279	[8835, 12051]
2166	[3878, 3879]	5204	[952, 7960]	8242	[8370, 5243]	11280	[12052, 1714]
2167	[3880, 3881]	5205	[7961, 7962]	8243	[5216, 4961]	11281	[9560, 10061]
2168	[3882, 1667]	5206	[7963, 617]	8244	[9068, 10571]	11282	[9747, 9552]
2169	[3883, 3884]	5207	[7964, 940]	8245	[10563, 10572]	11283	[4087, 9220]
2170	[3885, 3857]	5208	[5691, 6743]	8246	[4939, 9957]	11284	[9019, 3430]
2171	[3886, 3887]	5209	[2159, 6758]	8247	[5194, 3831]	11285	[9375, 3540]
2172	[3888, 3889]	5210	[7965, 7966]	8248	[10573, 10574]	11286	[11934, 3777]
2173	[3890, 3891]	5211	[2895, 7967]	8249	[4768, 9364]	11287	[1703, 12053]
2174	[3340, 3892]	5212	[660, 3229]	8250	[10575, 9867]	11288	[9572, 8525]
2175	[3893, 3894]	5213	[6128, 826]	8251	[4718, 10104]	11289	[1346, 8798]
2176	[3895, 3896]	5214	[6396, 7968]	8252	[1514, 1721]	11290	[10529, 3811]
2177	[271, 3897]	5215	[6542, 7969]	8253	[5491, 9684]	11291	[1317, 1524]
2178	[3898, 3899]	5216	[2434, 7970]	8254	[10180, 10576]	11292	[1529, 12054]
2179	[1646, 3900]	5217	[5605, 931]	8255	[10577, 1296]	11293	[12055, 10150]
2180	[3901, 3902]	5218	[5887, 7971]	8256	[3515, 10547]	11294	[4441, 8743]
2181	[382, 3903]	5219	[2398, 7972]	8257	[4031, 9283]	11295	[363, 10339]
2182	[3904, 3905]	5220	[2024, 7973]	8258	[4238, 9295]	11296	[4072, 4184]
2183	[3906, 3907]	5221	[7974, 2729]	8259	[9768, 8337]	11297	[4821, 8539]
2184	[3908, 3909]	5222	[7975, 7976]	8260	[10234, 8378]	11298	[3698, 1006]
2185	[1337, 3910]	5223	[5956, 7977]	8261	[1629, 9765]	11299	[3469, 8392]

2186	[3911, 3912]	5224	[5863, 7635]	8262	[10473, 9840]	11300	[12056, 10296]
2187	[3913, 3914]	5225	[7853, 7978]	8263	[10578, 9430]	11301	[10508, 1546]
2188	[3373, 3915]	5226	[7979, 7980]	8264	[10102, 8555]	11302	[8385, 3851]
2189	[3916, 3917]	5227	[5994, 7981]	8265	[10535, 1692]	11303	[10578, 12057]
2190	[3918, 3919]	5228	[7982, 7983]	8266	[10579, 10580]	11304	[9331, 10363]
2191	[3920, 3921]	5229	[7984, 1981]	8267	[8686, 3879]	11305	[3386, 3377]
2192	[3922, 3923]	5230	[7985, 3320]	8268	[10581, 5322]	11306	[1428, 9363]
2193	[3924, 3488]	5231	[7986, 6394]	8269	[5500, 1274]	11307	[321, 12017]
2194	[3925, 3926]	5232	[7987, 7988]	8270	[1301, 1492]	11308	[11881, 9579]
2195	[3927, 3928]	5233	[7989, 7719]	8271	[10530, 1331]	11309	[9183, 9923]
2196	[3929, 3930]	5234	[6248, 7990]	8272	[10582, 5379]	11310	[12058, 12059]
2197	[3931, 3932]	5235	[7991, 7992]	8273	[1657, 4167]	11311	[1348, 420]
2198	[3933, 3934]	5236	[7993, 7994]	8274	[9726, 10475]	11312	[9161, 5342]
2199	[3935, 3936]	5237	[7995, 7693]	8275	[10583, 619]	11313	[4183, 4073]
2200	[3937, 3938]	5238	[7283, 7996]	8276	[10584, 6735]	11314	[4928, 5288]
2201	[3939, 491]	5239	[7997, 7998]	8277	[6893, 7726]	11315	[12060, 9091]
2202	[3940, 3360]	5240	[6163, 7999]	8278	[6137, 2959]	11316	[12003, 12061]
2203	[3941, 1474]	5241	[8000, 8001]	8279	[10585, 2032]	11317	[1021, 1399]
2204	[3942, 3943]	5242	[7511, 7978]	8280	[7963, 5880]	11318	[12062, 975]
2205	[3944, 3945]	5243	[6227, 8002]	8281	[10586, 10587]	11319	[4077, 12063]
2206	[1024, 1020]	5244	[3102, 8003]	8282	[7806, 6636]	11320	[12064, 9757]
2207	[1766, 3701]	5245	[2931, 2385]	8283	[939, 2919]	11321	[8395, 12065]
2208	[3946, 3947]	5246	[8004, 699]	8284	[10588, 10589]	11322	[9491, 3629]
2209	[3948, 3883]	5247	[7423, 8005]	8285	[6247, 10590]	11323	[5328, 9297]
2210	[3949, 3950]	5248	[8, 8006]	8286	[2513, 10591]	11324	[9233, 10367]
2211	[3951, 3952]	5249	[2414, 7166]	8287	[2704, 10592]	11325	[10200, 492]
2212	[3953, 3954]	5250	[5622, 179]	8288	[10593, 10594]	11326	[9547, 10319]
2213	[3955, 3956]	5251	[8007, 7473]	8289	[512, 10595]	11327	[9581, 3715]
2214	[1759, 3547]	5252	[8008, 7358]	8290	[10596, 6288]	11328	[12066, 10238]
2215	[1504, 1030]	5253	[8009, 8010]	8291	[10597, 10598]	11329	[10312, 5052]
2216	[3957, 3958]	5254	[8011, 8012]	8292	[2104, 7833]	11330	[9103, 10160]
2217	[3959, 3960]	5255	[7094, 8013]	8293	[10599, 3241]	11331	[9534, 10302]
2218	[3961, 3962]	5256	[32, 7290]	8294	[10600, 766]	11332	[10550, 9934]
2219	[3963, 3964]	5257	[6893, 8014]	8295	[10601, 768]	11333	[11910, 9698]
2220	[3965, 3966]	5258	[6708, 2775]	8296	[10602, 7493]	11334	[12067, 8886]
2221	[3967, 3968]	5259	[8015, 8016]	8297	[2879, 5972]	11335	[4995, 276]
2222	[3969, 3970]	5260	[8017, 7547]	8298	[699, 10603]	11336	[5527, 10199]
2223	[3971, 3972]	5261	[8018, 8019]	8299	[7589, 10604]	11337	[8542, 4128]
2224	[3705, 3973]	5262	[3111, 817]	8300	[2188, 2040]	11338	[5094, 4169]
2225	[3974, 3868]	5263	[8020, 8021]	8301	[10605, 10606]	11339	[12048, 10450]
2226	[3975, 3976]	5264	[8022, 2634]	8302	[10607, 706]	11340	[8440, 8603]
2227	[3977, 3978]	5265	[8023, 2572]	8303	[10608, 2033]	11341	[11950, 8573]
2228	[3979, 3980]	5266	[6783, 8024]	8304	[10609, 10610]	11342	[5555, 9006]
2229	[3981, 3982]	5267	[7517, 8025]	8305	[10611, 10612]	11343	[10429, 10280]

2230	[3983, 3984]	5268	[6265, 8026]	8306	[10613, 10614]	11344	[8447, 993]
2231	[3985, 3986]	5269	[6388, 3282]	8307	[6049, 10615]	11345	[4778, 5460]
2232	[3480, 3987]	5270	[6364, 6967]	8308	[10616, 10617]	11346	[5268, 455]
2233	[3988, 3989]	5271	[8027, 8028]	8309	[10618, 10619]	11347	[12068, 4161]
2234	[3990, 3661]	5272	[3016, 7123]	8310	[10620, 10621]	11348	[10239, 12054]
2235	[3991, 3992]	5273	[8029, 8030]	8311	[10622, 8157]	11349	[3340, 3953]
2236	[3993, 3994]	5274	[8031, 6366]	8312	[10623, 870]	11350	[9773, 9535]
2237	[3995, 3996]	5275	[2269, 2721]	8313	[2030, 10624]	11351	[9015, 9000]
2238	[3997, 3998]	5276	[8032, 8033]	8314	[10625, 10626]	11352	[12069, 1598]
2239	[3999, 3607]	5277	[7829, 8034]	8315	[10627, 7536]	11353	[12070, 4029]
2240	[4000, 4001]	5278	[948, 8035]	8316	[6362, 2364]	11354	[9480, 4328]
2241	[1804, 4002]	5279	[5967, 8036]	8317	[3333, 10628]	11355	[4700, 9640]
2242	[344, 3370]	5280	[7232, 8037]	8318	[10629, 10630]	11356	[9868, 4850]
2243	[86, 4003]	5281	[8038, 823]	8319	[7602, 5717]	11357	[3871, 5500]
2244	[4004, 4005]	5282	[7110, 8039]	8320	[6242, 2382]	11358	[5027, 9634]
2245	[4006, 4007]	5283	[7656, 2458]	8321	[2145, 10631]	11359	[3829, 9226]
2246	[4008, 4009]	5284	[7695, 5949]	8322	[8131, 10632]	11360	[10072, 9582]
2247	[4010, 4011]	5285	[8040, 5838]	8323	[10633, 2109]	11361	[9781, 3914]
2248	[3499, 4012]	5286	[2397, 1925]	8324	[8147, 2723]	11362	[5504, 11959]
2249	[4013, 4014]	5287	[3011, 7876]	8325	[2161, 10634]	11363	[12071, 12072]
2250	[4015, 4016]	5288	[8041, 8042]	8326	[10635, 8233]	11364	[11915, 9828]
2251	[4017, 4018]	5289	[8043, 8044]	8327	[10636, 10637]	11365	[12073, 12074]
2252	[4019, 4020]	5290	[8045, 8046]	8328	[3004, 2368]	11366	[11831, 10166]
2253	[1751, 4021]	5291	[6560, 8047]	8329	[10638, 10639]	11367	[12075, 4882]
2254	[4022, 4023]	5292	[8048, 8049]	8330	[2330, 10610]	11368	[10063, 5366]
2255	[4024, 4025]	5293	[8050, 6711]	8331	[6872, 10640]	11369	[10408, 12076]
2256	[4026, 4027]	5294	[8051, 8052]	8332	[7446, 213]	11370	[9665, 487]
2257	[4028, 4029]	5295	[7034, 8053]	8333	[2588, 6412]	11371	[5014, 9412]
2258	[1426, 4030]	5296	[8054, 7920]	8334	[857, 10641]	11372	[10517, 8506]
2259	[4031, 4032]	5297	[8055, 2956]	8335	[1945, 10642]	11373	[5189, 1029]
2260	[4033, 3814]	5298	[2565, 8056]	8336	[7629, 6319]	11374	[4491, 4032]
2261	[4034, 4035]	5299	[692, 7265]	8337	[10600, 2136]	11375	[4125, 5303]
2262	[4036, 408]	5300	[8057, 1966]	8338	[6740, 2480]	11376	[9928, 10125]
2263	[4037, 1062]	5301	[7832, 2023]	8339	[5704, 10643]	11377	[5080, 10080]
2264	[4038, 4039]	5302	[8058, 8059]	8340	[10644, 10645]	11378	[3535, 9061]
2265	[4040, 4041]	5303	[7844, 6789]	8341	[5949, 10646]	11379	[12067, 10236]
2266	[4042, 4043]	5304	[8060, 8018]	8342	[10647, 6893]	11380	[1210, 9329]
2267	[4044, 4045]	5305	[8061, 8062]	8343	[6030, 7012]	11381	[12052, 8364]
2268	[1211, 4046]	5306	[6456, 1886]	8344	[811, 6002]	11382	[10258, 9669]
2269	[4047, 4048]	5307	[7351, 8063]	8345	[36, 7383]	11383	[5236, 9395]
2270	[1597, 4049]	5308	[8064, 8065]	8346	[3182, 2329]	11384	[9518, 4518]
2271	[4050, 4051]	5309	[7300, 8066]	8347	[2864, 2816]	11385	[4268, 4540]
2272	[4052, 4053]	5310	[8067, 7241]	8348	[765, 8060]	11386	[8421, 10089]
2273	[4054, 4055]	5311	[6774, 8068]	8349	[7661, 6587]	11387	[11946, 8436]

2274	[4056, 4057]	5312	[8069, 8070]	8350	[7012, 10648]	11388	[9505, 9620]
2275	[1020, 1398]	5313	[7848, 6774]	8351	[10649, 10650]	11389	[4214, 11817]
2276	[4058, 4059]	5314	[2547, 7644]	8352	[10584, 10651]	11390	[9988, 8613]
2277	[4060, 4061]	5315	[2112, 8071]	8353	[10652, 3060]	11391	[1471, 8552]
2278	[4062, 1821]	5316	[8072, 8073]	8354	[574, 7510]	11392	[8482, 10575]
2279	[1262, 1173]	5317	[806, 8074]	8355	[2191, 2945]	11393	[8643, 11882]
2280	[3351, 4063]	5318	[8075, 6093]	8356	[7799, 10653]	11394	[8434, 9149]
2281	[4064, 4065]	5319	[8076, 8077]	8357	[10588, 10654]	11395	[1031, 1096]
2282	[4066, 1175]	5320	[8078, 8079]	8358	[2658, 10655]	11396	[463, 10478]
2283	[4067, 3448]	5321	[2762, 2496]	8359	[10656, 10657]	11397	[4228, 5071]
2284	[4068, 4069]	5322	[8080, 5786]	8360	[10658, 6326]	11398	[12077, 346]
2285	[4070, 4071]	5323	[7071, 514]	8361	[184, 6515]	11399	[9073, 3456]
2286	[4072, 4073]	5324	[3092, 161]	8362	[10659, 178]	11400	[8763, 1173]
2287	[4074, 4075]	5325	[8081, 8082]	8363	[10660, 10661]	11401	[9624, 9263]
2288	[4076, 4077]	5326	[2436, 5793]	8364	[10662, 10663]	11402	[12078, 10491]
2289	[1531, 4078]	5327	[155, 3035]	8365	[10664, 10665]	11403	[1043, 12079]
2290	[4079, 4080]	5328	[7846, 5818]	8366	[10666, 10667]	11404	[4417, 5199]
2291	[4081, 4082]	5329	[3005, 667]	8367	[10668, 10669]	11405	[10140, 3499]
2292	[4083, 4084]	5330	[8083, 7471]	8368	[7359, 10670]	11406	[10362, 9332]
2293	[379, 4067]	5331	[8084, 6548]	8369	[10671, 6201]	11407	[12080, 12081]
2294	[1627, 322]	5332	[6878, 6860]	8370	[5684, 5871]	11408	[277, 1484]
2295	[4085, 4086]	5333	[5993, 8085]	8371	[1895, 6577]	11409	[12082, 12083]
2296	[4087, 4088]	5334	[8086, 8087]	8372	[10672, 2012]	11410	[12084, 8353]
2297	[4089, 4090]	5335	[8088, 8089]	8373	[7772, 703]	11411	[4872, 1625]
2298	[4091, 4092]	5336	[8090, 8091]	8374	[10673, 2465]	11412	[1445, 12085]
2299	[267, 4093]	5337	[8092, 8093]	8375	[6874, 10641]	11413	[8379, 11961]
2300	[4094, 4095]	5338	[2728, 2335]	8376	[7784, 2106]	11414	[4766, 12086]
2301	[4096, 4097]	5339	[6925, 8094]	8377	[6682, 10674]	11415	[9706, 1621]
2302	[4098, 4099]	5340	[8095, 2083]	8378	[10675, 10676]	11416	[8285, 4928]
2303	[4100, 4101]	5341	[192, 8096]	8379	[10677, 6123]	11417	[9933, 9539]
2304	[1408, 4102]	5342	[8097, 8098]	8380	[6997, 6050]	11418	[11998, 4405]
2305	[4103, 4104]	5343	[5779, 6300]	8381	[2796, 10678]	11419	[9706, 4448]
2306	[4027, 4105]	5344	[3099, 6550]	8382	[10679, 619]	11420	[9388, 12087]
2307	[4106, 4107]	5345	[1968, 7450]	8383	[7810, 10680]	11421	[12088, 12089]
2308	[4108, 4109]	5346	[8099, 7888]	8384	[6246, 10681]	11422	[9429, 12057]
2309	[3838, 4110]	5347	[3154, 8100]	8385	[10682, 3200]	11423	[5219, 9832]
2310	[4111, 4112]	5348	[6011, 2745]	8386	[6732, 2800]	11424	[10264, 10198]
2311	[4113, 3560]	5349	[8101, 7070]	8387	[10683, 684]	11425	[3959, 1136]
2312	[4074, 4114]	5350	[796, 193]	8388	[2223, 2281]	11426	[4430, 4877]
2313	[4115, 4116]	5351	[8102, 8103]	8389	[10684, 2963]	11427	[8407, 394]
2314	[4117, 4118]	5352	[3085, 7943]	8390	[2682, 10685]	11428	[11930, 9672]
2315	[4119, 4120]	5353	[8104, 8105]	8391	[10686, 159]	11429	[11874, 12090]
2316	[4121, 4122]	5354	[7572, 5960]	8392	[917, 8132]	11430	[12035, 9590]
2317	[4123, 4124]	5355	[8015, 8106]	8393	[5719, 10687]	11431	[10261, 4152]

2318	[4125, 4126]	5356	[8107, 8108]	8394	[10688, 10689]	11432	[10000, 5127]
2319	[3732, 4127]	5357	[8109, 8110]	8395	[186, 10690]	11433	[4599, 10046]
2320	[4128, 4129]	5358	[6135, 2957]	8396	[7117, 8207]	11434	[1028, 10390]
2321	[4130, 4131]	5359	[8111, 8112]	8397	[10691, 2160]	11435	[8917, 8890]
2322	[4132, 4133]	5360	[2181, 8113]	8398	[6473, 10692]	11436	[12069, 4446]
2323	[4134, 4135]	5361	[8114, 7042]	8399	[10693, 10694]	11437	[12070, 9509]
2324	[4136, 4137]	5362	[6365, 2423]	8400	[10695, 7811]	11438	[3726, 11967]
2325	[4138, 4139]	5363	[8115, 8116]	8401	[8215, 10696]	11439	[3462, 9629]
2326	[4140, 4141]	5364	[159, 8117]	8402	[7904, 2271]	11440	[11898, 12044]
2327	[4142, 4143]	5365	[3178, 8118]	8403	[10697, 10698]	11441	[1706, 11835]
2328	[4144, 88]	5366	[5860, 8053]	8404	[10699, 10700]	11442	[4812, 5500]
2329	[1033, 4145]	5367	[8119, 7054]	8405	[6195, 10701]	11443	[4609, 9242]
2330	[1035, 330]	5368	[8120, 8121]	8406	[7688, 2478]	11444	[5211, 3607]
2331	[4146, 4147]	5369	[8122, 7103]	8407	[10702, 10703]	11445	[1348, 4379]
2332	[4148, 4149]	5370	[7943, 2145]	8408	[2466, 5635]	11446	[3745, 1211]
2333	[3735, 4150]	5371	[6895, 3133]	8409	[7819, 10704]	11447	[8524, 1752]
2334	[4151, 4152]	5372	[2393, 8123]	8410	[6014, 6448]	11448	[10172, 9840]
2335	[4153, 4154]	5373	[537, 5910]	8411	[10705, 5930]	11449	[4787, 11970]
2336	[1343, 3638]	5374	[8124, 8125]	8412	[2971, 166]	11450	[9782, 10070]
2337	[4155, 1470]	5375	[8126, 8127]	8413	[7268, 10706]	11451	[12066, 1230]
2338	[4156, 4157]	5376	[5727, 7559]	8414	[6581, 10707]	11452	[5297, 1603]
2339	[1166, 4158]	5377	[8128, 942]	8415	[7127, 5579]	11453	[9934, 5037]
2340	[4159, 4160]	5378	[6299, 2392]	8416	[911, 10708]	11454	[11834, 1707]
2341	[4161, 3892]	5379	[7634, 8129]	8417	[7845, 10709]	11455	[12077, 10471]
2342	[1147, 4162]	5380	[6058, 8130]	8418	[741, 10710]	11456	[12091, 12092]
2343	[4163, 4164]	5381	[8038, 6110]	8419	[10711, 6098]	11457	[9370, 11904]
2344	[4165, 4166]	5382	[6008, 8131]	8420	[6369, 7714]	11458	[8469, 11924]
2345	[4167, 3816]	5383	[8132, 6780]	8421	[10712, 10713]	11459	[1263, 1174]
2346	[4168, 4169]	5384	[8133, 7320]	8422	[10714, 10715]	11460	[10088, 11817]
2347	[4170, 1709]	5385	[7971, 6823]	8423	[10716, 10717]	11461	[1839, 3456]
2348	[4171, 4172]	5386	[7653, 6990]	8424	[8050, 6765]	11462	[12093, 4191]
2349	[4173, 3499]	5387	[8134, 8135]	8425	[2549, 2145]	11463	[4590, 1679]
2350	[1281, 4174]	5388	[8136, 8137]	8426	[5948, 671]	11464	[12042, 3405]
2351	[4175, 4176]	5389	[8138, 8139]	8427	[7270, 7968]	11465	[9186, 1442]
2352	[4177, 4178]	5390	[212, 8140]	8428	[7506, 3316]	11466	[10481, 12090]
2353	[4179, 4180]	5391	[8141, 1842]	8429	[3057, 6268]	11467	[4365, 5358]
2354	[4181, 4182]	5392	[618, 8142]	8430	[10718, 8072]	11468	[11871, 8929]
2355	[3726, 1511]	5393	[8143, 8144]	8431	[10719, 10720]	11469	[1635, 298]
2356	[4183, 4184]	5394	[8145, 8034]	8432	[10721, 10722]	11470	[3915, 10437]
2357	[4185, 4186]	5395	[8146, 7411]	8433	[10723, 10724]	11471	[10249, 4010]
2358	[4187, 4188]	5396	[8147, 2578]	8434	[6704, 10725]	11472	[9622, 9712]
2359	[4189, 4190]	5397	[8148, 8149]	8435	[3065, 7226]	11473	[3476, 4069]
2360	[4191, 4192]	5398	[8150, 1937]	8436	[10726, 10727]	11474	[8938, 9588]
2361	[4193, 4194]	5399	[7767, 8151]	8437	[10728, 2705]	11475	[10454, 4679]

2362	[4195, 4196]	5400	[8152, 7362]	8438	[10729, 10730]	11476	[4620, 453]
2363	[1731, 4197]	5401	[8153, 7190]	8439	[2009, 3225]	11477	[9873, 9962]
2364	[4198, 4199]	5402	[8154, 8155]	8440	[10731, 6852]	11478	[10176, 1574]
2365	[4200, 4201]	5403	[7643, 2548]	8441	[10732, 10733]	11479	[12041, 11930]
2366	[4202, 4203]	5404	[6521, 8156]	8442	[10734, 2123]	11480	[3347, 5098]
2367	[4204, 4205]	5405	[8137, 8157]	8443	[10735, 10736]	11481	[11976, 8866]
2368	[4020, 4206]	5406	[7365, 7923]	8444	[7256, 6380]	11482	[9900, 405]
2369	[4207, 4208]	5407	[3279, 8158]	8445	[5897, 10737]	11483	[10555, 9959]
2370	[4209, 4210]	5408	[2690, 2460]	8446	[2260, 10738]	11484	[11972, 9047]
2371	[4211, 1620]	5409	[7842, 3116]	8447	[719, 10739]	11485	[11894, 9444]
2372	[4212, 1494]	5410	[8159, 6673]	8448	[2792, 6607]	11486	[1744, 9660]
2373	[3989, 4213]	5411	[2103, 8160]	8449	[10740, 10741]	11487	[10481, 11875]
2374	[4214, 1834]	5412	[5570, 6857]	8450	[6960, 10742]	11488	[12046, 9162]
2375	[4215, 3784]	5413	[2250, 8161]	8451	[10743, 7513]	11489	[11911, 3889]
2376	[4216, 4217]	5414	[5989, 8162]	8452	[5896, 7208]	11490	[11870, 1266]
2377	[4218, 4219]	5415	[8163, 8164]	8453	[169, 844]	11491	[5481, 3765]
2378	[4220, 4221]	5416	[3150, 2850]	8454	[2083, 3227]	11492	[10400, 8986]
2379	[4222, 4035]	5417	[8165, 7608]	8455	[6105, 663]	11493	[4096, 4282]
2380	[4223, 4224]	5418	[6688, 5912]	8456	[2305, 742]	11494	[5488, 9915]
2381	[4225, 4226]	5419	[7686, 7549]	8457	[7768, 8033]	11495	[12094, 12095]
2382	[4227, 4228]	5420	[8166, 8167]	8458	[10744, 10745]	11496	[8486, 11826]
2383	[4229, 1662]	5421	[8168, 1952]	8459	[6037, 10746]	11497	[1718, 8876]
2384	[4230, 4231]	5422	[5688, 7188]	8460	[6722, 10747]	11498	[3878, 8399]
2385	[4232, 4233]	5423	[6002, 3024]	8461	[7873, 10748]	11499	[12019, 10496]
2386	[4234, 4235]	5424	[8169, 2014]	8462	[2453, 615]	11500	[9609, 4159]
2387	[4236, 4237]	5425	[8170, 8171]	8463	[10749, 2349]	11501	[10562, 9012]
2388	[4238, 4239]	5426	[8172, 7757]	8464	[10750, 8105]	11502	[9802, 11974]
2389	[3530, 4240]	5427	[2388, 3042]	8465	[2391, 6509]	11503	[328, 8867]
2390	[3540, 4241]	5428	[8173, 8174]	8466	[892, 10751]	11504	[9432, 5250]
2391	[4242, 4243]	5429	[7251, 6712]	8467	[8158, 10752]	11505	[9477, 5024]
2392	[4244, 4245]	5430	[8175, 8176]	8468	[10753, 10754]	11506	[12096, 9602]
2393	[4246, 4247]	5431	[7696, 2333]	8469	[7397, 2815]	11507	[12097, 12098]
2394	[4248, 4249]	5432	[8177, 5973]	8470	[7870, 8128]	11508	[10463, 12029]
2395	[3426, 4250]	5433	[33, 7048]	8471	[10627, 7592]	11509	[3492, 3535]
2396	[4251, 4252]	5434	[7302, 2165]	8472	[5773, 869]	11510	[1722, 11890]
2397	[4253, 4254]	5435	[2115, 2680]	8473	[10755, 8230]	11511	[10272, 12099]
2398	[4255, 4256]	5436	[8178, 8179]	8474	[10756, 10757]	11512	[1669, 3819]
2399	[4257, 4258]	5437	[7194, 5831]	8475	[7461, 5982]	11513	[9303, 3356]
2400	[4259, 1553]	5438	[8180, 8181]	8476	[2717, 7061]	11514	[12034, 11886]
2401	[4260, 4261]	5439	[8182, 6348]	8477	[10758, 10759]	11515	[3715, 9958]
2402	[3740, 4262]	5440	[8183, 8184]	8478	[10760, 6030]	11516	[8477, 5426]
2403	[4263, 4264]	5441	[6207, 8185]	8479	[10761, 6081]	11517	[9594, 11912]
2404	[4265, 4266]	5442	[5846, 8186]	8480	[6211, 5588]	11518	[9267, 4081]
2405	[3598, 433]	5443	[7742, 6232]	8481	[10694, 10762]	11519	[10377, 321]

2406	[4267, 4268]	5444	[2325, 8187]	8482	[10763, 10764]	11520	[8376, 9392]
2407	[4269, 4270]	5445	[8188, 686]	8483	[10765, 10766]	11521	[8326, 3530]
2408	[4271, 1681]	5446	[7395, 6551]	8484	[558, 10767]	11522	[5109, 9238]
2409	[4272, 4273]	5447	[5882, 3119]	8485	[3228, 661]	11523	[1556, 3850]
2410	[287, 4274]	5448	[2131, 8189]	8486	[7056, 7651]	11524	[1217, 3960]
2411	[1764, 4275]	5449	[6109, 161]	8487	[2538, 3242]	11525	[11907, 4897]
2412	[4276, 4277]	5450	[8190, 2526]	8488	[10768, 10769]	11526	[10086, 9031]
2413	[4278, 4279]	5451	[7751, 6373]	8489	[5690, 2886]	11527	[4746, 1475]
2414	[4280, 4281]	5452	[8191, 8192]	8490	[7001, 5679]	11528	[10397, 3976]
2415	[4282, 4283]	5453	[8193, 8194]	8491	[10770, 949]	11529	[10082, 1349]
2416	[4284, 4285]	5454	[7005, 8195]	8492	[10771, 10772]	11530	[10562, 11888]
2417	[3774, 4286]	5455	[5867, 7491]	8493	[10773, 10774]	11531	[5044, 5179]
2418	[4287, 4288]	5456	[7631, 8196]	8494	[2627, 8056]	11532	[10286, 9491]
2419	[4289, 4290]	5457	[162, 2300]	8495	[5962, 10775]	11533	[9671, 9249]
2420	[4291, 1435]	5458	[57, 524]	8496	[10776, 2150]	11534	[12100, 9464]
2421	[3909, 4292]	5459	[2713, 6087]	8497	[6282, 10777]	11535	[12101, 1195]
2422	[4293, 4294]	5460	[8197, 8198]	8498	[3268, 10778]	11536	[3538, 9005]
2423	[4295, 4196]	5461	[7486, 6633]	8499	[10779, 10780]	11537	[11996, 1004]
2424	[4296, 4297]	5462	[8199, 8200]	8500	[1971, 7766]	11538	[3892, 3954]
2425	[4298, 4299]	5463	[6040, 3214]	8501	[10781, 10782]	11539	[4173, 8757]
2426	[4300, 4301]	5464	[7073, 7663]	8502	[10783, 10784]	11540	[10122, 477]
2427	[4302, 4303]	5465	[3029, 7999]	8503	[8100, 10785]	11541	[12002, 9187]
2428	[4304, 4305]	5466	[6995, 735]	8504	[10786, 10787]	11542	[1674, 4050]
2429	[3670, 4306]	5467	[8201, 2893]	8505	[10788, 10789]	11543	[4850, 5518]
2430	[4307, 4308]	5468	[8202, 8094]	8506	[6883, 2433]	11544	[5480, 5453]
2431	[982, 4309]	5469	[8203, 8204]	8507	[10790, 10791]	11545	[10071, 4171]
2432	[4310, 4311]	5470	[8205, 2292]	8508	[10792, 10594]	11546	[12102, 10099]
2433	[102, 4312]	5471	[8206, 5594]	8509	[3000, 10790]	11547	[4199, 3910]
2434	[4313, 4314]	5472	[2297, 3248]	8510	[10793, 10794]	11548	[10487, 1710]
2435	[4315, 4316]	5473	[8207, 3327]	8511	[10795, 10796]	11549	[8857, 1504]
2436	[4317, 4318]	5474	[5810, 612]	8512	[7303, 10797]	11550	[3946, 10243]
2437	[4319, 4320]	5475	[8075, 5693]	8513	[2359, 7207]	11551	[8772, 5226]
2438	[4321, 4322]	5476	[7109, 5578]	8514	[2033, 10798]	11552	[11909, 5136]
2439	[3335, 4323]	5477	[8208, 8209]	8515	[8017, 1894]	11553	[3497, 9090]
2440	[4324, 3425]	5478	[8210, 7293]	8516	[6340, 2124]	11554	[4909, 9501]
2441	[4325, 4326]	5479	[2574, 2966]	8517	[10799, 7663]	11555	[11917, 10320]
2442	[4327, 4328]	5480	[7724, 8211]	8518	[7240, 10800]	11556	[9219, 8965]
2443	[4329, 4330]	5481	[2605, 6438]	8519	[7729, 2982]	11557	[10253, 1368]
2444	[4331, 4332]	5482	[7578, 3220]	8520	[10801, 10802]	11558	[12033, 5125]
2445	[4016, 4333]	5483	[7872, 8212]	8521	[5745, 7162]	11559	[11977, 9039]
2446	[4334, 4335]	5484	[2562, 3107]	8522	[10803, 10804]	11560	[4393, 5510]
2447	[4336, 4337]	5485	[1876, 6936]	8523	[10805, 10806]	11561	[11856, 8372]
2448	[4338, 4339]	5486	[8213, 5897]	8524	[10807, 10808]	11562	[9738, 305]
2449	[4340, 4341]	5487	[8214, 2700]	8525	[7127, 10809]	11563	[4516, 12086]

2450	[4342, 4343]	5488	[518, 8215]	8526	[1934, 1974]	11564	[5181, 9087]
2451	[4344, 4345]	5489	[2571, 7259]	8527	[693, 729]	11565	[12103, 5418]
2452	[4346, 1187]	5490	[8216, 8217]	8528	[8186, 6634]	11566	[10453, 12018]
2453	[4112, 1189]	5491	[8218, 8219]	8529	[6559, 10810]	11567	[12104, 12105]
2454	[3877, 4347]	5492	[7747, 8220]	8530	[7842, 10811]	11568	[9493, 427]
2455	[4348, 4349]	5493	[6386, 8221]	8531	[146, 7587]	11569	[3518, 9360]
2456	[1679, 1661]	5494	[2348, 8222]	8532	[10812, 10773]	11570	[9008, 11883]
2457	[3352, 4350]	5495	[7473, 8223]	8533	[8019, 2751]	11571	[5115, 10166]
2458	[4351, 4352]	5496	[2149, 8224]	8534	[2514, 10813]	11572	[12040, 5022]
2459	[3573, 4353]	5497	[7980, 7014]	8535	[5834, 10814]	11573	[9157, 11925]
2460	[1086, 4354]	5498	[7918, 8225]	8536	[10815, 2661]	11574	[9148, 3857]
2461	[1088, 4355]	5499	[8226, 8227]	8537	[10816, 2663]	11575	[10419, 9695]
2462	[4356, 4357]	5500	[6357, 8228]	8538	[10817, 504]	11576	[10221, 4709]
2463	[4358, 3670]	5501	[6601, 7224]	8539	[5652, 10818]	11577	[11804, 4322]
2464	[3885, 1161]	5502	[8134, 8229]	8540	[10819, 10820]	11578	[5190, 1327]
2465	[4359, 4360]	5503	[8230, 7838]	8541	[7551, 2005]	11579	[8317, 11983]
2466	[4361, 4362]	5504	[8231, 8020]	8542	[10821, 10727]	11580	[4710, 8430]
2467	[4363, 4364]	5505	[1967, 8232]	8543	[8140, 2596]	11581	[8323, 1125]
2468	[3721, 3846]	5506	[2186, 5840]	8544	[6826, 5584]	11582	[8661, 8503]
2469	[4365, 4366]	5507	[8233, 5721]	8545	[7590, 10599]	11583	[4449, 8853]
2470	[4367, 4368]	5508	[3054, 7640]	8546	[10604, 10822]	11584	[9103, 1585]
2471	[4369, 4370]	5509	[8234, 8235]	8547	[7482, 7781]	11585	[10561, 5050]
2472	[4371, 4372]	5510	[6518, 8236]	8548	[2656, 10823]	11586	[10498, 8348]
2473	[450, 4373]	5511	[2186, 5954]	8549	[6473, 2307]	11587	[11944, 10182]
2474	[4374, 4375]	5512	[717, 8237]	8550	[661, 2657]	11588	[4963, 4515]
2475	[4376, 4377]	5513	[639, 6165]	8551	[10824, 10825]	11589	[4391, 8532]
2476	[3799, 3621]	5514	[7673, 6984]	8552	[2733, 7341]	11590	[8695, 12106]
2477	[4378, 3718]	5515	[8238, 8239]	8553	[7630, 10826]	11591	[4874, 1270]
2478	[419, 4379]	5516	[2975, 8240]	8554	[10827, 10828]	11592	[1318, 9857]
2479	[4380, 4381]	5517	[6569, 1949]	8555	[6398, 10829]	11593	[448, 1673]
2480	[3982, 4382]	5518	[7562, 6909]	8556	[10830, 874]	11594	[8816, 9914]
2481	[414, 4383]	5519	[6714, 6904]	8557	[6119, 10831]	11595	[1154, 4420]
2482	[4384, 4385]	5520	[6359, 7774]	8558	[10832, 2515]	11596	[4448, 3596]
2483	[4386, 4387]	5521	[716, 6130]	8559	[6401, 10833]	11597	[5545, 8699]
2484	[4388, 4389]	5522	[2898, 2407]	8560	[10834, 10835]	11598	[8452, 4373]
2485	[3913, 4390]	5523	[8241, 2921]	8561	[7272, 10836]	11599	[264, 8505]
2486	[4391, 4392]	5524	[7953, 8242]	8562	[10837, 10838]	11600	[1660, 1680]
2487	[3985, 4393]	5525	[7571, 6995]	8563	[2854, 6206]	11601	[12055, 9994]
2488	[4394, 4395]	5526	[7880, 8243]	8564	[5670, 10839]	11602	[3960, 10329]
2489	[1681, 4396]	5527	[8244, 7649]	8565	[10840, 10841]	11603	[10404, 5013]
2490	[4397, 4398]	5528	[8245, 8246]	8566	[10585, 5834]	11604	[3411, 12107]
2491	[1777, 4399]	5529	[8247, 509]	8567	[8212, 10842]	11605	[9299, 9960]
2492	[4400, 4401]	5530	[3089, 8248]	8568	[10843, 10844]	11606	[495, 3825]
2493	[4402, 4403]	5531	[6325, 797]	8569	[7584, 766]	11607	[1746, 10572]

2494	[4404, 4405]	5532	[7290, 2796]	8570	[10845, 10846]	11608	[11805, 9001]
2495	[4406, 4407]	5533	[8249, 6178]	8571	[5625, 2068]	11609	[9036, 12087]
2496	[4408, 3699]	5534	[6784, 8250]	8572	[7249, 7802]	11610	[12108, 12109]
2497	[4409, 4341]	5535	[8251, 8252]	8573	[10847, 10848]	11611	[9946, 11971]
2498	[4410, 4411]	5536	[6092, 8253]	8574	[2833, 10849]	11612	[11906, 3620]
2499	[4412, 1384]	5537	[6811, 6638]	8575	[10850, 10851]	11613	[12045, 10545]
2500	[1254, 4413]	5538	[8254, 8255]	8576	[7959, 8025]	11614	[3722, 1708]
2501	[3768, 4414]	5539	[8256, 8257]	8577	[2811, 7583]	11615	[9057, 8696]
2502	[4415, 4416]	5540	[3280, 8258]	8578	[6685, 9]	11616	[11868, 4716]
2503	[4417, 4418]	5541	[7779, 8075]	8579	[680, 3222]	11617	[9534, 4274]
2504	[4419, 4420]	5542	[8259, 8260]	8580	[7659, 623]	11618	[4996, 993]
2505	[4421, 4422]	5543	[8043, 8261]	8581	[761, 10852]	11619	[386, 11877]
2506	[4423, 4424]	5544	[2969, 959]	8582	[944, 10853]	11620	[12045, 11981]
2507	[4425, 448]	5545	[6049, 8074]	8583	[10854, 7628]	11621	[9761, 12110]
2508	[4426, 4427]	5546	[8180, 6238]	8584	[614, 10855]	11622	[5254, 282]
2509	[4428, 4429]	5547	[8262, 8263]	8585	[10856, 6101]	11623	[8483, 9867]
2510	[4430, 3781]	5548	[8264, 8172]	8586	[2925, 3207]	11624	[5205, 8815]
2511	[4431, 4432]	5549	[5910, 8265]	8587	[10706, 10857]	11625	[4191, 1833]
2512	[4433, 4434]	5550	[2178, 8266]	8588	[8176, 10858]	11626	[3745, 9329]
2513	[4435, 3721]	5551	[7543, 8267]	8589	[10859, 7621]	11627	[9909, 10074]
2514	[4436, 4437]	5552	[8268, 8269]	8590	[7226, 10860]	11628	[4314, 4792]
2515	[4438, 4439]	5553	[8270, 8271]	8591	[10861, 2688]	11629	[5462, 5243]
2516	[1225, 4440]	5554	[1894, 8272]	8592	[1886, 10684]	11630	[1168, 1146]
2517	[4441, 4038]	5555	[5876, 8273]	8593	[8082, 7352]	11631	[9985, 281]
2518	[4442, 4443]	5556	[8274, 6355]	8594	[10862, 10863]	11632	[10575, 9956]
2519	[4444, 1579]	5557	[8121, 2987]	8595	[10864, 10865]	11633	[9466, 9711]
2520	[4445, 4446]	5558	[8275, 314]	8596	[8207, 10744]	11634	[10126, 8331]
2521	[3622, 4447]	5559	[8276, 8277]	8597	[10866, 2720]	11635	[4794, 8463]
2522	[1620, 4448]	5560	[4366, 8278]	8598	[2539, 10867]	11636	[4041, 11947]
2523	[1389, 3866]	5561	[1712, 5304]	8599	[8136, 10622]	11637	[5199, 302]
2524	[4449, 4450]	5562	[8279, 8280]	8600	[10854, 7913]	11638	[1333, 3445]
2525	[4451, 4452]	5563	[8281, 8282]	8601	[2986, 10868]	11639	[1803, 5461]
2526	[4453, 4454]	5564	[8283, 8284]	8602	[2396, 7548]	11640	[3397, 11995]
2527	[4455, 977]	5565	[8285, 8286]	8603	[10869, 7008]	11641	[10038, 11825]
2528	[4456, 4457]	5566	[8287, 3781]	8604	[6193, 3009]	11642	[350, 10273]
2529	[4458, 4459]	5567	[8288, 5462]	8605	[5668, 8255]	11643	[4627, 10046]
2530	[4162, 3657]	5568	[8289, 8290]	8606	[2501, 8021]	11644	[10442, 9643]
2531	[3510, 1724]	5569	[8291, 5048]	8607	[10870, 6763]	11645	[4571, 8460]
2532	[4460, 4461]	5570	[8292, 8293]	8608	[2066, 10871]	11646	[9405, 4197]
2533	[4462, 4417]	5571	[8294, 8295]	8609	[2755, 2269]	11647	[4712, 10436]
2534	[1566, 4463]	5572	[8296, 8297]	8610	[10872, 2264]	11648	[405, 4431]
2535	[4464, 4465]	5573	[8298, 3516]	8611	[6866, 688]	11649	[3654, 1139]
2536	[4466, 4467]	5574	[1625, 8299]	8612	[10873, 1975]	11650	[9007, 11901]
2537	[4468, 4469]	5575	[8300, 1408]	8613	[5563, 10874]	11651	[9250, 12110]

2538	[4470, 4471]	5576	[8301, 8302]	8614	[10875, 6665]	11652	[1762, 5450]
2539	[4472, 4473]	5577	[8303, 8304]	8615	[5937, 10876]	11653	[8517, 11833]
2540	[974, 4474]	5578	[8305, 8306]	8616	[7856, 10877]	11654	[3933, 4974]
2541	[4475, 4476]	5579	[3408, 8307]	8617	[734, 6996]	11655	[9661, 10076]
2542	[4477, 1307]	5580	[8308, 5402]	8618	[6197, 7661]	11656	[10060, 1518]
2543	[4478, 4479]	5581	[5114, 4561]	8619	[2420, 742]	11657	[5394, 4810]
2544	[3646, 4480]	5582	[8309, 3606]	8620	[598, 7960]	11658	[3514, 10546]
2545	[4418, 302]	5583	[1573, 4841]	8621	[240, 10878]	11659	[9135, 4020]
2546	[4481, 4482]	5584	[8310, 4334]	8622	[10879, 8008]	11660	[1710, 9930]
2547	[4483, 1678]	5585	[8311, 3468]	8623	[6163, 10880]	11661	[4492, 5202]
2548	[4484, 4485]	5586	[8312, 5277]	8624	[10881, 10882]	11662	[9831, 1317]
2549	[4486, 4487]	5587	[4385, 1513]	8625	[704, 3158]	11663	[8631, 1291]
2550	[4488, 4489]	5588	[4192, 1654]	8626	[2306, 10692]	11664	[10522, 12111]
2551	[4490, 4491]	5589	[8313, 1824]	8627	[6107, 2949]	11665	[4403, 8998]
2552	[4492, 4493]	5590	[4812, 1273]	8628	[659, 6322]	11666	[10028, 10394]
2553	[4494, 4495]	5591	[8314, 8315]	8629	[10883, 7883]	11667	[1755, 9049]
2554	[3904, 4064]	5592	[8316, 3553]	8630	[6586, 6815]	11668	[1802, 5460]
2555	[4149, 4496]	5593	[5075, 8317]	8631	[10884, 2000]	11669	[5058, 5382]
2556	[4497, 4498]	5594	[1295, 8318]	8632	[8024, 8250]	11670	[9678, 4282]
2557	[4499, 4500]	5595	[8319, 8320]	8633	[10885, 10886]	11671	[8764, 331]
2558	[1678, 497]	5596	[4229, 5062]	8634	[6379, 7845]	11672	[5359, 9325]
2559	[4501, 4502]	5597	[8321, 1187]	8635	[6581, 10887]	11673	[1092, 9488]
2560	[1413, 4503]	5598	[8322, 8323]	8636	[10888, 10889]	11674	[1827, 9549]
2561	[4504, 4505]	5599	[8324, 8325]	8637	[10890, 7949]	11675	[8993, 10231]
2562	[4506, 4507]	5600	[8326, 8327]	8638	[10891, 5971]	11676	[5326, 4057]
2563	[4508, 4509]	5601	[8328, 8329]	8639	[6372, 10892]	11677	[3427, 10504]
2564	[4510, 4511]	5602	[8330, 8331]	8640	[10893, 10894]	11678	[10181, 4928]
2565	[4512, 4513]	5603	[3519, 5521]	8641	[10895, 7645]	11679	[9490, 10378]
2566	[4514, 1437]	5604	[3962, 8302]	8642	[7849, 10896]	11680	[9544, 11846]
2567	[1293, 4515]	5605	[8332, 105]	8643	[10897, 6050]	11681	[9393, 4158]
2568	[4516, 4517]	5606	[8333, 1210]	8644	[10898, 712]	11682	[11817, 1835]
2569	[1065, 4518]	5607	[8334, 8335]	8645	[10899, 10900]	11683	[9963, 12112]
2570	[4519, 4520]	5608	[4558, 3937]	8646	[6202, 7154]	11684	[3782, 4951]
2571	[4521, 4522]	5609	[8336, 8337]	8647	[10901, 2074]	11685	[12084, 4416]
2572	[4523, 4524]	5610	[3983, 8338]	8648	[7850, 10902]	11686	[4760, 5497]
2573	[4525, 4526]	5611	[8339, 4878]	8649	[5572, 6838]	11687	[4978, 8566]
2574	[4041, 4527]	5612	[8340, 8341]	8650	[7390, 6824]	11688	[8588, 10391]
2575	[4528, 4413]	5613	[4735, 8342]	8651	[10903, 10783]	11689	[1255, 4804]
2576	[4529, 1020]	5614	[8343, 8344]	8652	[7027, 8243]	11690	[1293, 10427]
2577	[4530, 3614]	5615	[18, 8345]	8653	[5571, 2416]	11691	[5217, 479]
2578	[4416, 4531]	5616	[8346, 8347]	8654	[10904, 10905]	11692	[10235, 1146]
2579	[4248, 4532]	5617	[3710, 4366]	8655	[1846, 7541]	11693	[1280, 9354]
2580	[4533, 4534]	5618	[8348, 1712]	8656	[2777, 10906]	11694	[12075, 9357]
2581	[4535, 4536]	5619	[5315, 8349]	8657	[10792, 10907]	11695	[1146, 3716]

2582	[4537, 4538]	5620	[8350, 8351]	8658	[10908, 176]	11696	[8364, 1715]
2583	[4194, 4539]	5621	[1734, 8352]	8659	[6333, 2332]	11697	[5442, 8889]
2584	[4540, 4541]	5622	[8353, 3882]	8660	[5647, 10909]	11698	[10565, 9996]
2585	[3918, 4542]	5623	[4013, 8354]	8661	[8240, 6243]	11699	[9074, 10380]
2586	[4543, 4031]	5624	[8355, 8356]	8662	[10910, 6517]	11700	[12060, 4194]
2587	[4210, 1158]	5625	[8357, 8358]	8663	[9, 10911]	11701	[9241, 4610]
2588	[4543, 4491]	5626	[1385, 1184]	8664	[10912, 2570]	11702	[425, 8359]
2589	[4544, 4369]	5627	[8359, 1202]	8665	[10913, 2345]	11703	[9146, 10455]
2590	[1368, 3988]	5628	[275, 3341]	8666	[2035, 10914]	11704	[3725, 1510]
2591	[3386, 1055]	5629	[8360, 8361]	8667	[10915, 3239]	11705	[9023, 8910]
2592	[4545, 3429]	5630	[8362, 8363]	8668	[10916, 7395]	11706	[12068, 3340]
2593	[4546, 4547]	5631	[8364, 8365]	8669	[10917, 10643]	11707	[12020, 8754]
2594	[4548, 4549]	5632	[8366, 4625]	8670	[10918, 10720]	11708	[6, 11926]
2595	[4550, 4551]	5633	[4493, 8367]	8671	[3147, 2685]	11709	[8789, 10192]
2596	[4552, 4553]	5634	[8368, 3804]	8672	[7825, 7761]	11710	[10252, 1171]
2597	[4554, 4555]	5635	[4360, 4494]	8673	[10919, 6618]	11711	[9312, 3942]
2598	[4556, 4557]	5636	[1796, 8369]	8674	[520, 10920]	11712	[4618, 1149]
2599	[4558, 4559]	5637	[8370, 3533]	8675	[10921, 10922]	11713	[12102, 5354]
2600	[4560, 4561]	5638	[3339, 4161]	8676	[10923, 2560]	11714	[12113, 12111]
2601	[4562, 4563]	5639	[5183, 8371]	8677	[10924, 6774]	11715	[9980, 5440]
2602	[4564, 4565]	5640	[3452, 5186]	8678	[10925, 10926]	11716	[8399, 8404]
2603	[3553, 4528]	5641	[3397, 8372]	8679	[10927, 10928]	11717	[8976, 8683]
2604	[4566, 4567]	5642	[268, 370]	8680	[7165, 953]	11718	[3354, 9681]
2605	[4568, 4569]	5643	[8373, 8374]	8681	[10929, 513]	11719	[498, 12026]
2606	[4067, 4570]	5644	[3442, 8375]	8682	[2758, 2671]	11720	[9859, 12045]
2607	[4571, 4572]	5645	[8376, 8377]	8683	[6433, 8083]	11721	[12031, 8384]
2608	[4573, 4574]	5646	[8378, 8379]	8684	[7457, 2721]	11722	[12093, 9211]
2609	[1115, 1176]	5647	[5273, 8380]	8685	[5927, 210]	11723	[1703, 4279]
2610	[4575, 1123]	5648	[8381, 8382]	8686	[6229, 10699]	11724	[9974, 12079]
2611	[3581, 4576]	5649	[8383, 8384]	8687	[692, 7277]	11725	[9088, 9691]
2612	[4577, 4055]	5650	[8385, 1756]	8688	[3312, 585]	11726	[5000, 11982]
2613	[4578, 4579]	5651	[8386, 8387]	8689	[10930, 2533]	11727	[4181, 1151]
2614	[4580, 4581]	5652	[8388, 421]	8690	[6302, 10931]	11728	[9029, 1059]
2615	[1473, 4582]	5653	[8278, 1605]	8691	[6517, 5793]	11729	[5060, 4534]
2616	[4182, 3391]	5654	[8389, 1607]	8692	[2530, 10932]	11730	[4058, 279]
2617	[1396, 4583]	5655	[8390, 8391]	8693	[10604, 7650]	11731	[5336, 8359]
2618	[4522, 972]	5656	[8392, 5025]	8694	[10933, 833]	11732	[4854, 9466]
2619	[1021, 4584]	5657	[8393, 8394]	8695	[10934, 10935]	11733	[3950, 9274]
2620	[4585, 1743]	5658	[3674, 8395]	8696	[10936, 10937]	11734	[12114, 5376]
2621	[3481, 4586]	5659	[8396, 4536]	8697	[10938, 10939]	11735	[8854, 4149]
2622	[4392, 4587]	5660	[8397, 8398]	8698	[3086, 6404]	11736	[9707, 3872]
2623	[1092, 4588]	5661	[8399, 8400]	8699	[10940, 130]	11737	[10577, 1555]
2624	[4589, 1751]	5662	[5402, 3475]	8700	[10941, 10942]	11738	[12113, 10523]
2625	[4590, 1660]	5663	[1411, 444]	8701	[2288, 10775]	11739	[3804, 5357]

2626	[4591, 4592]	5664	[8401, 8402]	8702	[10603, 7778]	11740	[10480, 9048]
2627	[4593, 4594]	5665	[349, 8403]	8703	[7121, 10943]	11741	[3892, 10107]
2628	[4595, 1068]	5666	[3879, 8404]	8704	[6808, 10944]	11742	[10417, 9421]
2629	[4596, 3536]	5667	[8405, 5233]	8705	[10945, 5692]	11743	[3454, 11940]
2630	[4597, 4598]	5668	[8406, 8407]	8706	[10946, 10947]	11744	[8312, 9455]
2631	[4599, 4600]	5669	[1524, 8408]	8707	[10948, 10949]	11745	[9951, 9863]
2632	[453, 4601]	5670	[8409, 8410]	8708	[6421, 859]	11746	[9118, 5145]
2633	[3871, 1273]	5671	[8411, 3570]	8709	[10950, 10951]	11747	[8550, 12115]
2634	[4602, 1686]	5672	[8412, 8413]	8710	[2528, 506]	11748	[4944, 409]
2635	[4603, 4604]	5673	[8414, 280]	8711	[248, 6110]	11749	[12036, 3993]
2636	[4605, 4606]	5674	[8415, 3824]	8712	[10952, 10953]	11750	[5538, 10222]
2637	[4607, 4608]	5675	[8416, 5253]	8713	[10954, 10716]	11751	[9978, 8289]
2638	[4609, 4610]	5676	[5163, 4948]	8714	[2255, 6948]	11752	[4911, 8769]
2639	[4611, 4612]	5677	[5302, 4126]	8715	[51, 7525]	11753	[12116, 12117]
2640	[4613, 4614]	5678	[4840, 8417]	8716	[6971, 10781]	11754	[12062, 1596]
2641	[4615, 4616]	5679	[8418, 8419]	8717	[7318, 5724]	11755	[4448, 3413]
2642	[4276, 1408]	5680	[8420, 8421]	8718	[7151, 10589]	11756	[11992, 10474]
2643	[4617, 4342]	5681	[8422, 8423]	8719	[6717, 10678]	11757	[407, 9373]
2644	[4618, 4619]	5682	[3375, 8424]	8720	[10955, 7774]	11758	[4904, 8431]
2645	[4620, 1018]	5683	[3957, 8425]	8721	[5938, 10879]	11759	[5145, 9945]
2646	[4621, 4622]	5684	[8426, 5235]	8722	[3191, 6778]	11760	[3850, 12118]
2647	[4623, 4624]	5685	[1343, 1283]	8723	[7523, 7396]	11761	[10499, 5340]
2648	[4625, 4626]	5686	[8427, 4444]	8724	[7438, 2433]	11762	[4682, 9914]
2649	[4627, 4600]	5687	[8428, 8429]	8725	[6884, 2952]	11763	[9027, 4136]
2650	[4628, 4629]	5688	[4093, 370]	8726	[6724, 10956]	11764	[3605, 9376]
2651	[4630, 4631]	5689	[8430, 8431]	8727	[10957, 10958]	11765	[12012, 9223]
2652	[4632, 4633]	5690	[4824, 1141]	8728	[2296, 8225]	11766	[9829, 8589]
2653	[4199, 4634]	5691	[977, 8432]	8729	[10671, 10959]	11767	[1402, 10398]
2654	[4635, 3972]	5692	[3402, 8433]	8730	[6315, 10960]	11768	[4327, 4017]
2655	[4636, 4637]	5693	[8434, 3373]	8731	[10961, 2233]	11769	[30, 3990]
2656	[4638, 4639]	5694	[8435, 8436]	8732	[7602, 2937]	11770	[10205, 10575]
2657	[4640, 4641]	5695	[8437, 8284]	8733	[7855, 10962]	11771	[1017, 11949]
2658	[4642, 4643]	5696	[4383, 8438]	8734	[6933, 7854]	11772	[10437, 10095]
2659	[1739, 4644]	5697	[8439, 8440]	8735	[10963, 10964]	11773	[10299, 5497]
2660	[4645, 1075]	5698	[8441, 8442]	8736	[10965, 10966]	11774	[10501, 8464]
2661	[4646, 4647]	5699	[8443, 8444]	8737	[191, 6865]	11775	[3857, 1162]
2662	[4648, 4605]	5700	[4263, 5552]	8738	[5650, 3197]	11776	[1714, 8365]
2663	[4649, 4650]	5701	[5114, 8445]	8739	[8169, 10673]	11777	[396, 412]
2664	[4651, 4652]	5702	[1196, 8446]	8740	[10967, 2996]	11778	[4785, 4392]
2665	[4653, 4654]	5703	[1198, 8447]	8741	[6331, 10968]	11779	[3444, 1552]
2666	[4655, 423]	5704	[8448, 4609]	8742	[7301, 7879]	11780	[9712, 8999]
2667	[4656, 4657]	5705	[8449, 5518]	8743	[10969, 8208]	11781	[3949, 9273]
2668	[4628, 4658]	5706	[8419, 4798]	8744	[3242, 10970]	11782	[5421, 3406]
2669	[3940, 4548]	5707	[8450, 8451]	8745	[7639, 7315]	11783	[3628, 10018]

2670	[4659, 4163]	5708	[8452, 451]	8746	[8159, 7347]	11784	[4768, 9178]
2671	[4660, 4661]	5709	[8453, 8454]	8747	[10971, 678]	11785	[10490, 3529]
2672	[4662, 4663]	5710	[8455, 8456]	8748	[10972, 7268]	11786	[5393, 4079]
2673	[4664, 4665]	5711	[8457, 8458]	8749	[6946, 10973]	11787	[3766, 3437]
2674	[4666, 4667]	5712	[8459, 8460]	8750	[1974, 7792]	11788	[4847, 10203]
2675	[4668, 4669]	5713	[3539, 8461]	8751	[10974, 10943]	11789	[9413, 4581]
2676	[4670, 4671]	5714	[8462, 312]	8752	[10975, 10976]	11790	[11866, 10045]
2677	[4672, 4673]	5715	[4894, 8463]	8753	[5585, 5814]	11791	[9524, 9172]
2678	[4674, 395]	5716	[4260, 8464]	8754	[2132, 5719]	11792	[9754, 10544]
2679	[4675, 4676]	5717	[4835, 8465]	8755	[10977, 10978]	11793	[11993, 1808]
2680	[4677, 4678]	5718	[4595, 4255]	8756	[10979, 10980]	11794	[8761, 3881]
2681	[4679, 4680]	5719	[8466, 8467]	8757	[10981, 6488]	11795	[1762, 8586]
2682	[4681, 4682]	5720	[5066, 3623]	8758	[10921, 8167]	11796	[10364, 10388]
2683	[4683, 4111]	5721	[8468, 3403]	8759	[10859, 5988]	11797	[3613, 10251]
2684	[4684, 4685]	5722	[8469, 8470]	8760	[5698, 10982]	11798	[12119, 2264]
2685	[4411, 4686]	5723	[4636, 3713]	8761	[2180, 8048]	11799	[10910, 2436]
2686	[3434, 4687]	5724	[8471, 999]	8762	[10983, 10984]	11800	[751, 6264]
2687	[4688, 1624]	5725	[8472, 5299]	8763	[10985, 10986]	11801	[8195, 11444]
2688	[4689, 4690]	5726	[8473, 8474]	8764	[10987, 946]	11802	[2118, 11054]
2689	[4691, 4692]	5727	[8475, 5211]	8765	[10988, 10989]	11803	[2802, 12120]
2690	[4693, 4694]	5728	[1464, 4248]	8766	[8264, 1966]	11804	[5618, 2475]
2691	[4695, 4696]	5729	[1186, 1769]	8767	[894, 3034]	11805	[10913, 11750]
2692	[4697, 4698]	5730	[4091, 8476]	8768	[10990, 209]	11806	[8022, 11038]
2693	[4699, 1032]	5731	[8477, 3562]	8769	[7174, 7840]	11807	[5714, 155]
2694	[4700, 3689]	5732	[8478, 5539]	8770	[7636, 10991]	11808	[6055, 11279]
2695	[4701, 4702]	5733	[8479, 8480]	8771	[2664, 6206]	11809	[2320, 6874]
2696	[4703, 4704]	5734	[8404, 8481]	8772	[5895, 837]	11810	[11377, 11721]
2697	[4705, 4706]	5735	[8482, 8483]	8773	[5567, 10992]	11811	[6368, 8161]
2698	[4707, 4708]	5736	[1651, 4631]	8774	[1954, 7557]	11812	[2763, 6407]
2699	[4709, 1658]	5737	[4188, 5032]	8775	[10993, 10994]	11813	[12121, 11017]
2700	[3860, 4710]	5738	[8484, 8485]	8776	[10995, 10996]	11814	[7339, 7868]
2701	[4711, 4712]	5739	[8486, 1458]	8777	[1961, 2390]	11815	[10979, 11673]
2702	[4713, 4714]	5740	[8487, 8488]	8778	[10997, 10998]	11816	[2943, 56]
2703	[4715, 4716]	5741	[3554, 8489]	8779	[10999, 5571]	11817	[7669, 2371]
2704	[4717, 4718]	5742	[8490, 351]	8780	[868, 5774]	11818	[6943, 3268]
2705	[4719, 4720]	5743	[3811, 1807]	8781	[10972, 138]	11819	[11291, 8254]
2706	[4721, 4722]	5744	[8491, 8492]	8782	[11000, 10913]	11820	[12122, 6120]
2707	[4723, 1603]	5745	[4587, 8493]	8783	[2532, 11001]	11821	[659, 7368]
2708	[3908, 1341]	5746	[4949, 8494]	8784	[3099, 10685]	11822	[8213, 7208]
2709	[4724, 4725]	5747	[329, 8495]	8785	[2927, 10659]	11823	[7336, 12123]
2710	[3463, 4726]	5748	[8496, 3959]	8786	[7658, 6831]	11824	[2277, 2302]
2711	[4727, 4637]	5749	[8497, 8498]	8787	[8006, 5615]	11825	[7679, 8220]
2712	[4728, 4729]	5750	[8499, 8500]	8788	[11002, 1852]	11826	[11590, 2828]
2713	[3640, 4730]	5751	[8501, 8502]	8789	[2140, 5835]	11827	[8141, 6401]

2714	[4731, 975]	5752	[1817, 1397]	8790	[11003, 10889]	11828	[2228, 6243]
2715	[4040, 4732]	5753	[8503, 8504]	8791	[10788, 5735]	11829	[10659, 7623]
2716	[3470, 4733]	5754	[4160, 8505]	8792	[3134, 7360]	11830	[8040, 11253]
2717	[4734, 4735]	5755	[1627, 4460]	8793	[11004, 10917]	11831	[12124, 727]
2718	[4, 4736]	5756	[985, 8506]	8794	[11005, 6105]	11832	[2128, 11664]
2719	[4737, 4738]	5757	[8507, 8508]	8795	[7237, 11006]	11833	[8140, 2364]
2720	[458, 4739]	5758	[8509, 8510]	8796	[11007, 10671]	11834	[11295, 11786]
2721	[4740, 4741]	5759	[8511, 8512]	8797	[10977, 11008]	11835	[6360, 11478]
2722	[4742, 4743]	5760	[3682, 5436]	8798	[7025, 7822]	11836	[11792, 6247]
2723	[4744, 4745]	5761	[8513, 8514]	8799	[6743, 2369]	11837	[8225, 3248]
2724	[3941, 4746]	5762	[8515, 8516]	8800	[11009, 11010]	11838	[2343, 5821]
2725	[4747, 4748]	5763	[4538, 406]	8801	[5799, 6115]	11839	[7443, 7066]
2726	[1352, 4749]	5764	[8517, 8518]	8802	[11011, 6685]	11840	[11326, 8029]
2727	[4750, 4153]	5765	[8519, 8520]	8803	[6130, 8237]	11841	[7108, 2689]
2728	[3556, 4751]	5766	[8521, 4136]	8804	[7961, 8029]	11842	[12124, 2518]
2729	[4752, 4753]	5767	[8522, 4437]	8805	[7912, 11012]	11843	[12125, 12126]
2730	[4754, 4755]	5768	[4723, 3812]	8806	[6177, 6325]	11844	[147, 7835]
2731	[4756, 4757]	5769	[8523, 8524]	8807	[6686, 10]	11845	[6748, 10736]
2732	[4758, 3675]	5770	[8287, 4877]	8808	[3136, 5744]	11846	[11359, 2009]
2733	[4608, 1572]	5771	[4847, 1383]	8809	[7097, 11013]	11847	[11424, 11047]
2734	[4387, 4759]	5772	[353, 8525]	8810	[11014, 11015]	11848	[5966, 3264]
2735	[4760, 1591]	5773	[8526, 8527]	8811	[1841, 2439]	11849	[6716, 6310]
2736	[4761, 4762]	5774	[5015, 4580]	8812	[2858, 1900]	11850	[7776, 2124]
2737	[4763, 4764]	5775	[8528, 8529]	8813	[11016, 2454]	11851	[3012, 11279]
2738	[1716, 4765]	5776	[8530, 8531]	8814	[10644, 11017]	11852	[2396, 12120]
2739	[4766, 4517]	5777	[5372, 3610]	8815	[11018, 7252]	11853	[6759, 11583]
2740	[4767, 4768]	5778	[4785, 8532]	8816	[7962, 11019]	11854	[6317, 604]
2741	[4769, 4770]	5779	[8533, 8534]	8817	[7096, 7509]	11855	[11734, 3188]
2742	[4771, 4772]	5780	[3511, 8535]	8818	[3250, 3212]	11856	[12127, 10881]
2743	[4773, 4774]	5781	[3798, 3620]	8819	[7239, 6662]	11857	[907, 11367]
2744	[4775, 4776]	5782	[8536, 8537]	8820	[5562, 7781]	11858	[11178, 2097]
2745	[4093, 4777]	5783	[4797, 8538]	8821	[11020, 7473]	11859	[3179, 7403]
2746	[4778, 1803]	5784	[8539, 8540]	8822	[7971, 6512]	11860	[12128, 6914]
2747	[309, 4779]	5785	[1474, 4971]	8823	[52, 2163]	11861	[7582, 2812]
2748	[4780, 4781]	5786	[468, 8541]	8824	[8182, 3199]	11862	[11517, 8070]
2749	[4782, 4783]	5787	[8542, 4204]	8825	[2576, 8013]	11863	[10965, 6180]
2750	[4784, 4785]	5788	[8543, 8544]	8826	[50, 11021]	11864	[6157, 2954]
2751	[4786, 4253]	5789	[8545, 8546]	8827	[11022, 710]	11865	[3287, 7012]
2752	[1837, 3526]	5790	[8547, 5035]	8828	[7290, 6717]	11866	[11742, 7634]
2753	[4787, 4788]	5791	[5141, 8548]	8829	[7066, 10829]	11867	[7882, 11369]
2754	[4789, 4790]	5792	[386, 1063]	8830	[7096, 6099]	11868	[5775, 7013]
2755	[1048, 4791]	5793	[8549, 8550]	8831	[2849, 11023]	11869	[6055, 3013]
2756	[4792, 1446]	5794	[1296, 8551]	8832	[11024, 3103]	11870	[11608, 6287]
2757	[4793, 1646]	5795	[5118, 8552]	8833	[900, 11025]	11871	[2608, 6031]

2758	[4794, 4795]	5796	[8553, 8554]	8834	[11026, 3078]	11872	[6566, 2977]
2759	[4221, 1423]	5797	[4735, 8555]	8835	[2962, 11027]	11873	[11686, 8229]
2760	[4215, 458]	5798	[4989, 8556]	8836	[510, 2431]	11874	[11760, 12129]
2761	[988, 4604]	5799	[8557, 8558]	8837	[11028, 7229]	11875	[2090, 907]
2762	[4796, 4797]	5800	[8559, 4725]	8838	[5766, 11029]	11876	[6586, 3316]
2763	[4798, 4799]	5801	[1394, 8560]	8839	[11030, 6813]	11877	[6594, 1876]
2764	[4800, 4801]	5802	[8561, 8562]	8840	[8235, 11031]	11878	[2770, 5820]
2765	[4802, 4803]	5803	[4975, 8563]	8841	[2776, 6665]	11879	[10692, 11586]
2766	[4413, 4804]	5804	[5514, 8564]	8842	[7755, 3133]	11880	[10943, 12130]
2767	[4346, 4752]	5805	[8321, 4752]	8843	[8101, 10620]	11881	[2093, 11598]
2768	[4805, 4806]	5806	[5044, 4759]	8844	[11032, 10947]	11882	[10918, 11222]
2769	[4807, 4808]	5807	[376, 8565]	8845	[8094, 635]	11883	[6200, 10959]
2770	[3763, 1429]	5808	[5078, 8566]	8846	[11033, 6425]	11884	[6290, 11489]
2771	[4809, 4810]	5809	[8567, 8568]	8847	[5721, 6949]	11885	[11631, 7201]
2772	[4811, 4812]	5810	[4309, 8569]	8848	[2775, 11034]	11886	[7492, 6149]
2773	[4813, 1371]	5811	[8570, 8571]	8849	[11035, 11036]	11887	[6411, 2589]
2774	[4814, 4815]	5812	[5307, 1422]	8850	[7063, 7477]	11888	[6282, 12131]
2775	[4816, 4817]	5813	[3659, 3768]	8851	[11037, 8153]	11889	[2458, 7292]
2776	[4818, 4819]	5814	[8572, 8573]	8852	[6503, 6822]	11890	[5802, 7969]
2777	[4820, 4821]	5815	[8574, 8575]	8853	[2633, 11038]	11891	[6784, 11437]
2778	[4822, 4823]	5816	[263, 4160]	8854	[5809, 6496]	11892	[11592, 7222]
2779	[4824, 4825]	5817	[8576, 3356]	8855	[11039, 11040]	11893	[6956, 6334]
2780	[3971, 4826]	5818	[8577, 8578]	8856	[10988, 11041]	11894	[7640, 12132]
2781	[4827, 4828]	5819	[8579, 5329]	8857	[11042, 11043]	11895	[5799, 8205]
2782	[4829, 4830]	5820	[8580, 8581]	8858	[7500, 965]	11896	[5618, 5560]
2783	[4322, 4831]	5821	[8582, 8583]	8859	[2374, 8037]	11897	[7026, 6861]
2784	[4832, 4833]	5822	[1069, 8584]	8860	[10746, 11044]	11898	[707, 7402]
2785	[4765, 4331]	5823	[5271, 8585]	8861	[2479, 6741]	11899	[6865, 11575]
2786	[4834, 4835]	5824	[1586, 8586]	8862	[11045, 6393]	11900	[11356, 11728]
2787	[4836, 4837]	5825	[8587, 3698]	8863	[2032, 10814]	11901	[2119, 11055]
2788	[4838, 4839]	5826	[8588, 8589]	8864	[11046, 11047]	11902	[12122, 2772]
2789	[4840, 1568]	5827	[8590, 8591]	8865	[10817, 878]	11903	[10861, 7476]
2790	[3743, 4605]	5828	[4535, 8592]	8866	[11048, 6159]	11904	[725, 8133]
2791	[4841, 4738]	5829	[8593, 8594]	8867	[11049, 11050]	11905	[2838, 10757]
2792	[4842, 4843]	5830	[8595, 4076]	8868	[7738, 11051]	11906	[2507, 11609]
2793	[446, 4844]	5831	[8596, 8597]	8869	[11052, 7389]	11907	[11421, 11779]
2794	[1820, 4845]	5832	[8598, 4611]	8870	[5768, 11053]	11908	[10963, 6080]
2795	[1155, 4846]	5833	[3515, 8599]	8871	[528, 7861]	11909	[2095, 7797]
2796	[66, 4847]	5834	[8600, 4428]	8872	[7380, 7947]	11910	[6736, 2077]
2797	[4848, 4157]	5835	[3834, 8601]	8873	[11054, 11055]	11911	[1904, 7197]
2798	[4849, 4850]	5836	[8602, 5505]	8874	[11056, 11057]	11912	[2800, 7057]
2799	[4156, 4851]	5837	[8491, 4301]	8875	[11058, 2560]	11913	[7498, 204]
2800	[4852, 1224]	5838	[1769, 8603]	8876	[7402, 3180]	11914	[746, 11334]
2801	[4853, 4854]	5839	[8604, 8605]	8877	[884, 11059]	11915	[11003, 2244]

2802	[4855, 4856]	5840	[3910, 8606]	8878	[11060, 750]	11916	[7198, 6844]
2803	[1010, 4857]	5841	[8607, 1369]	8879	[11061, 11062]	11917	[11196, 1914]
2804	[4858, 4475]	5842	[269, 8608]	8880	[6983, 10777]	11918	[6244, 2871]
2805	[4113, 114]	5843	[8609, 5255]	8881	[2295, 5850]	11919	[2951, 6885]
2806	[4859, 4860]	5844	[5365, 8610]	8882	[7603, 6558]	11920	[11087, 8238]
2807	[3362, 3608]	5845	[8611, 4284]	8883	[2799, 6733]	11921	[11484, 2624]
2808	[1039, 4861]	5846	[4110, 4324]	8884	[2614, 11063]	11922	[6908, 718]
2809	[4862, 377]	5847	[8612, 8613]	8885	[2006, 5630]	11923	[41, 7526]
2810	[4863, 4864]	5848	[4473, 8614]	8886	[7946, 8137]	11924	[914, 10958]
2811	[3880, 4865]	5849	[3546, 3733]	8887	[754, 11064]	11925	[10770, 8035]
2812	[3506, 4866]	5850	[8615, 3549]	8888	[730, 142]	11926	[12, 11028]
2813	[4867, 4868]	5851	[4086, 4370]	8889	[11065, 11066]	11927	[2973, 1988]
2814	[4869, 4870]	5852	[1795, 8607]	8890	[11067, 841]	11928	[1999, 2679]
2815	[4871, 117]	5853	[8616, 8617]	8891	[11068, 6980]	11929	[538, 5911]
2816	[4872, 4873]	5854	[1547, 1611]	8892	[5866, 11069]	11930	[6335, 12133]
2817	[4874, 4875]	5855	[5160, 8618]	8893	[2806, 7160]	11931	[6928, 6544]
2818	[4341, 116]	5856	[8619, 3741]	8894	[11070, 2613]	11932	[1897, 8185]
2819	[3928, 4876]	5857	[8319, 8620]	8895	[6174, 11071]	11933	[2467, 11299]
2820	[4877, 3782]	5858	[485, 8539]	8896	[1888, 7291]	11934	[6919, 6229]
2821	[4878, 4879]	5859	[1422, 4093]	8897	[7164, 6229]	11935	[7727, 604]
2822	[4880, 3678]	5860	[8621, 1113]	8898	[11072, 11073]	11936	[5832, 8068]
2823	[4881, 4882]	5861	[4423, 1332]	8899	[11074, 2263]	11937	[6300, 7668]
2824	[4883, 4884]	5862	[8622, 1382]	8900	[10771, 3326]	11938	[6478, 6628]
2825	[4885, 4886]	5863	[8623, 8624]	8901	[251, 7011]	11939	[11477, 3166]
2826	[4887, 3991]	5864	[3992, 8625]	8902	[2570, 5918]	11940	[11168, 7003]
2827	[4888, 4889]	5865	[8626, 8627]	8903	[2505, 700]	11941	[3087, 6405]
2828	[4022, 4890]	5866	[4243, 8628]	8904	[11075, 8246]	11942	[1990, 7661]
2829	[4891, 4509]	5867	[3503, 8629]	8905	[11076, 11077]	11943	[7753, 10910]
2830	[1500, 4306]	5868	[8630, 4128]	8906	[11078, 6777]	11944	[12134, 12135]
2831	[4892, 4893]	5869	[8631, 3407]	8907	[10658, 2583]	11945	[11144, 7324]
2832	[3547, 4894]	5870	[8632, 8633]	8908	[11079, 7345]	11946	[11758, 7468]
2833	[3425, 4895]	5871	[8634, 8635]	8909	[7772, 2785]	11947	[11028, 7923]
2834	[4853, 4705]	5872	[3409, 1658]	8910	[11080, 5757]	11948	[2468, 11152]
2835	[4409, 115]	5873	[8636, 8637]	8911	[11081, 2481]	11949	[5791, 6799]
2836	[4896, 4897]	5874	[8638, 3775]	8912	[11082, 2306]	11950	[5897, 7209]
2837	[4898, 4466]	5875	[8607, 1657]	8913	[11083, 2181]	11951	[8190, 2159]
2838	[4161, 3953]	5876	[8639, 8640]	8914	[2528, 7369]	11952	[617, 7372]
2839	[338, 3769]	5877	[117, 5200]	8915	[8166, 10922]	11953	[1979, 8128]
2840	[4899, 4900]	5878	[8641, 1797]	8916	[6907, 2858]	11954	[6948, 5722]
2841	[4901, 4902]	5879	[377, 1193]	8917	[1930, 11084]	11955	[7112, 11249]
2842	[1004, 4903]	5880	[466, 8642]	8918	[11085, 11086]	11956	[7164, 10884]
2843	[4710, 4904]	5881	[8643, 4505]	8919	[11087, 7815]	11957	[10930, 5986]
2844	[4905, 4906]	5882	[8644, 8645]	8920	[7904, 7822]	11958	[11388, 6702]
2845	[4907, 4908]	5883	[8646, 8647]	8921	[5817, 11088]	11959	[1871, 2591]

2846	[4909, 4910]	5884	[8648, 8649]	8922	[11089, 2667]	11960	[197, 2923]
2847	[3687, 4541]	5885	[8650, 8651]	8923	[11090, 8016]	11961	[10676, 6125]
2848	[4911, 4912]	5886	[1192, 8652]	8924	[11091, 7213]	11962	[11083, 8048]
2849	[4913, 4914]	5887	[8653, 8654]	8925	[10884, 10699]	11963	[11696, 7357]
2850	[4915, 4916]	5888	[8655, 4598]	8926	[11092, 11093]	11964	[2567, 11731]
2851	[4917, 403]	5889	[8316, 8656]	8927	[10944, 6539]	11965	[11229, 12123]
2852	[4918, 4919]	5890	[8657, 8658]	8928	[11094, 2183]	11966	[2836, 132]
2853	[3583, 1147]	5891	[4325, 4942]	8929	[11095, 11012]	11967	[2300, 11640]
2854	[4920, 4921]	5892	[8659, 4709]	8930	[6350, 11096]	11968	[6477, 2507]
2855	[4922, 4923]	5893	[4054, 8660]	8931	[6347, 11097]	11969	[11399, 11462]
2856	[4924, 1261]	5894	[8661, 3785]	8932	[11074, 718]	11970	[10634, 10767]
2857	[4925, 4926]	5895	[8662, 8663]	8933	[2550, 10631]	11971	[3143, 7297]
2858	[472, 4927]	5896	[8664, 8665]	8934	[6977, 11098]	11972	[7609, 7867]
2859	[4928, 4929]	5897	[8666, 4484]	8935	[11099, 11100]	11973	[6671, 11709]
2860	[3486, 4930]	5898	[5135, 8667]	8936	[11101, 11102]	11974	[12136, 12137]
2861	[4931, 4932]	5899	[8668, 8669]	8937	[2359, 11103]	11975	[11766, 11409]
2862	[4933, 4934]	5900	[8670, 8671]	8938	[2941, 6987]	11976	[2076, 7024]
2863	[4935, 1474]	5901	[8630, 4204]	8939	[7325, 7860]	11977	[7350, 10642]
2864	[4936, 4937]	5902	[8672, 8673]	8940	[11104, 11105]	11978	[7569, 7616]
2865	[4938, 4626]	5903	[8674, 332]	8941	[10916, 7523]	11979	[7747, 7680]
2866	[4810, 3459]	5904	[449, 1674]	8942	[10729, 11106]	11980	[7385, 11636]
2867	[4398, 4939]	5905	[8675, 8676]	8943	[7433, 2858]	11981	[200, 11777]
2868	[4940, 4941]	5906	[1571, 8677]	8944	[11107, 2444]	11982	[12138, 12139]
2869	[4942, 4943]	5907	[8678, 8679]	8945	[11108, 11109]	11983	[7824, 2034]
2870	[4424, 1333]	5908	[1629, 8680]	8946	[11110, 5939]	11984	[11600, 8251]
2871	[4944, 417]	5909	[3712, 8681]	8947	[11111, 10925]	11985	[7315, 12132]
2872	[4945, 4681]	5910	[8624, 8682]	8948	[3088, 2806]	11986	[10903, 6070]
2873	[4946, 4260]	5911	[8683, 8684]	8949	[7175, 7221]	11987	[3188, 11663]
2874	[4947, 4948]	5912	[8685, 5517]	8950	[11112, 6299]	11988	[2086, 6818]
2875	[462, 4949]	5913	[8686, 8399]	8951	[7929, 7760]	11989	[10945, 6743]
2876	[4950, 4350]	5914	[8687, 3398]	8952	[11113, 1998]	11990	[6559, 11391]
2877	[4951, 4952]	5915	[5062, 8688]	8953	[685, 11114]	11991	[11091, 3140]
2878	[4953, 4954]	5916	[5322, 1078]	8954	[7270, 11115]	11992	[12140, 12141]
2879	[4955, 4956]	5917	[8689, 3666]	8955	[2365, 11116]	11993	[7460, 6379]
2880	[4323, 4957]	5918	[8690, 8691]	8956	[6633, 11117]	11994	[7586, 2626]
2881	[4958, 4959]	5919	[1354, 8692]	8957	[5895, 11118]	11995	[5662, 7361]
2882	[4960, 4961]	5920	[8693, 8694]	8958	[7306, 7618]	11996	[2400, 8117]
2883	[4507, 4962]	5921	[8420, 3758]	8959	[847, 11119]	11997	[2605, 7970]
2884	[1292, 4963]	5922	[1691, 8695]	8960	[6010, 6671]	11998	[7235, 1909]
2885	[126, 4964]	5923	[8696, 5297]	8961	[11120, 11121]	11999	[6354, 11589]
2886	[4965, 4966]	5924	[4607, 8697]	8962	[6379, 5982]	12000	[2922, 198]
2887	[4929, 4967]	5925	[8698, 8699]	8963	[11122, 2810]	12001	[6314, 10983]
2888	[4968, 4969]	5926	[1479, 8700]	8964	[11123, 11124]	12002	[3200, 7334]
2889	[3888, 4970]	5927	[5050, 1284]	8965	[3244, 3232]	12003	[6107, 3261]

2890	[4746, 4971]	5928	[8701, 5330]	8966	[7810, 11081]	12004	[8235, 11183]
2891	[1418, 4395]	5929	[1100, 8702]	8967	[7957, 11125]	12005	[782, 11734]
2892	[4972, 4973]	5930	[8562, 8703]	8968	[8230, 5977]	12006	[7524, 513]
2893	[4974, 481]	5931	[329, 8704]	8969	[6187, 5918]	12007	[1859, 6672]
2894	[4975, 4976]	5932	[3511, 1725]	8970	[7184, 10861]	12008	[11396, 11656]
2895	[4977, 4978]	5933	[8705, 8706]	8971	[7219, 7192]	12009	[5573, 7545]
2896	[4731, 1596]	5934	[8707, 8708]	8972	[11126, 7347]	12010	[6543, 6929]
2897	[4404, 4979]	5935	[8709, 8710]	8973	[11127, 2106]	12011	[6490, 7761]
2898	[3681, 4271]	5936	[1705, 8711]	8974	[3271, 5667]	12012	[7144, 2085]
2899	[4980, 4981]	5937	[8712, 8713]	8975	[937, 11128]	12013	[12142, 6196]
2900	[4982, 4983]	5938	[8714, 8715]	8976	[7343, 7457]	12014	[6983, 12131]
2901	[1215, 4984]	5939	[8716, 8717]	8977	[725, 6822]	12015	[6621, 7029]
2902	[4985, 4986]	5940	[8718, 8719]	8978	[11129, 11130]	12016	[12143, 10802]
2903	[4987, 4988]	5941	[4009, 8720]	8979	[6951, 11131]	12017	[11176, 7025]
2904	[4989, 4990]	5942	[1278, 5122]	8980	[11132, 7244]	12018	[7234, 6318]
2905	[4991, 483]	5943	[8721, 8722]	8981	[10681, 11133]	12019	[6636, 6010]
2906	[4992, 4038]	5944	[8723, 5209]	8982	[11134, 6575]	12020	[2077, 11202]
2907	[4993, 4303]	5945	[5393, 5138]	8983	[8205, 6116]	12021	[6679, 7735]
2908	[4994, 4818]	5946	[4135, 8459]	8984	[11020, 11135]	12022	[6285, 11773]
2909	[4995, 4697]	5947	[3646, 5038]	8985	[7870, 1980]	12023	[515, 12144]
2910	[4996, 3835]	5948	[8724, 1296]	8986	[7368, 11030]	12024	[10974, 6256]
2911	[4997, 4998]	5949	[5174, 8725]	8987	[8254, 5669]	12025	[5697, 3162]
2912	[3361, 4999]	5950	[4137, 8726]	8988	[11136, 6067]	12026	[6817, 2087]
2913	[5000, 5001]	5951	[1373, 3472]	8989	[11137, 7195]	12027	[6720, 7126]
2914	[5002, 5003]	5952	[8727, 8728]	8990	[11138, 2065]	12028	[11543, 2610]
2915	[5004, 3833]	5953	[4654, 5310]	8991	[11139, 11140]	12029	[7147, 8258]
2916	[3732, 5005]	5954	[8729, 8730]	8992	[11141, 11018]	12030	[6160, 8019]
2917	[5006, 5007]	5955	[8731, 8732]	8993	[2940, 11142]	12031	[7607, 11593]
2918	[5008, 5009]	5956	[8733, 8734]	8994	[11143, 5769]	12032	[11207, 2383]
2919	[5010, 5011]	5957	[8735, 3378]	8995	[696, 2336]	12033	[8208, 7652]
2920	[5012, 5013]	5958	[8736, 8737]	8996	[886, 10653]	12034	[11610, 7126]
2921	[5014, 5015]	5959	[3457, 8738]	8997	[11144, 2582]	12035	[6057, 7479]
2922	[5016, 5017]	5960	[4437, 8739]	8998	[11145, 11146]	12036	[11474, 7336]
2923	[3935, 5018]	5961	[8740, 1628]	8999	[11147, 6683]	12037	[621, 10876]
2924	[3563, 5019]	5962	[4754, 4141]	9000	[11148, 10989]	12038	[8192, 6302]
2925	[5020, 5021]	5963	[8741, 8742]	9001	[11149, 7470]	12039	[11681, 6063]
2926	[5022, 1172]	5964	[1247, 8489]	9002	[11150, 2039]	12040	[11668, 896]
2927	[5023, 3368]	5965	[3588, 5296]	9003	[11151, 11152]	12041	[5870, 8209]
2928	[1198, 4996]	5966	[8743, 5476]	9004	[7914, 11153]	12042	[3261, 2950]
2929	[5024, 4264]	5967	[8488, 8744]	9005	[11154, 3254]	12043	[2756, 11765]
2930	[4677, 294]	5968	[3662, 5074]	9006	[11155, 3011]	12044	[11641, 10790]
2931	[5025, 5026]	5969	[8745, 8746]	9007	[11156, 2977]	12045	[616, 12145]
2932	[4307, 3691]	5970	[3889, 3531]	9008	[11157, 2744]	12046	[11016, 6705]
2933	[5027, 5028]	5971	[8747, 8748]	9009	[2450, 8097]	12047	[2047, 6709]

2934	[5029, 4655]	5972	[8749, 8750]	9010	[6758, 11158]	12048	[2631, 6249]
2935	[5030, 5031]	5973	[8751, 8752]	9011	[2318, 11054]	12049	[10949, 11755]
2936	[4510, 5032]	5974	[8753, 8754]	9012	[6001, 812]	12050	[7345, 8140]
2937	[5033, 5034]	5975	[8755, 4088]	9013	[6733, 7057]	12051	[781, 12144]
2938	[5035, 5036]	5976	[4299, 8756]	9014	[11159, 6927]	12052	[2697, 10664]
2939	[5037, 5038]	5977	[8757, 4012]	9015	[11160, 8138]	12053	[2082, 11113]
2940	[5039, 5040]	5978	[4446, 8758]	9016	[2343, 2530]	12054	[3010, 7875]
2941	[5041, 4181]	5979	[4424, 3444]	9017	[11161, 7986]	12055	[10609, 7874]
2942	[5042, 5043]	5980	[8759, 8760]	9018	[7178, 2398]	12056	[6175, 6316]
2943	[4386, 5044]	5981	[8761, 4865]	9019	[2156, 11162]	12057	[6693, 11565]
2944	[5045, 5046]	5982	[3441, 8762]	9020	[11163, 11164]	12058	[6913, 11739]
2945	[5047, 4758]	5983	[8763, 1263]	9021	[761, 11165]	12059	[5692, 2369]
2946	[5048, 5049]	5984	[1082, 8764]	9022	[3092, 6594]	12060	[1973, 7217]
2947	[4400, 5050]	5985	[5535, 3890]	9023	[208, 11081]	12061	[7812, 11289]
2948	[5051, 5052]	5986	[8765, 8766]	9024	[1893, 7547]	12062	[6009, 1858]
2949	[5053, 5054]	5987	[1331, 8767]	9025	[7489, 11166]	12063	[3002, 7900]
2950	[5055, 5056]	5988	[8768, 1537]	9026	[11167, 5698]	12064	[7660, 624]
2951	[4075, 5057]	5989	[8769, 8770]	9027	[11168, 2102]	12065	[11445, 11551]
2952	[5058, 5059]	5990	[8771, 8421]	9028	[11169, 7153]	12066	[7008, 11505]
2953	[5060, 5061]	5991	[4432, 4117]	9029	[7517, 11170]	12067	[2673, 11671]
2954	[5062, 1663]	5992	[8772, 8773]	9030	[10925, 1953]	12068	[7979, 6474]
2955	[5063, 5064]	5993	[8774, 8775]	9031	[5953, 7052]	12069	[3260, 2949]
2956	[5065, 5066]	5994	[1164, 8776]	9032	[630, 10860]	12070	[7947, 5981]
2957	[5067, 5068]	5995	[4947, 5164]	9033	[11171, 3053]	12071	[2418, 2138]
2958	[5069, 5070]	5996	[1031, 8777]	9034	[6015, 11172]	12072	[5788, 10664]
2959	[5071, 5072]	5997	[4321, 8778]	9035	[7422, 2230]	12073	[5866, 562]
2960	[5073, 5074]	5998	[8543, 4557]	9036	[7713, 6370]	12074	[11157, 6011]
2961	[5075, 3457]	5999	[8560, 8779]	9037	[11173, 7360]	12075	[7279, 11416]
2962	[979, 5076]	6000	[8698, 5546]	9038	[557, 10634]	12076	[11706, 3251]
2963	[5077, 3524]	6001	[8780, 5157]	9039	[11094, 7914]	12077	[813, 7846]
2964	[5078, 5079]	6002	[1544, 5159]	9040	[1948, 1890]	12078	[7690, 11393]
2965	[3400, 1811]	6003	[8781, 5155]	9041	[11174, 11175]	12079	[2541, 45]
2966	[5080, 5081]	6004	[8782, 3970]	9042	[7734, 6680]	12080	[10692, 12146]
2967	[5082, 458]	6005	[8608, 3967]	9043	[11176, 7904]	12081	[12142, 10701]
2968	[5083, 5084]	6006	[4440, 3751]	9044	[11177, 8244]	12082	[2014, 2465]
2969	[5085, 5086]	6007	[8783, 8784]	9045	[11178, 11179]	12083	[11290, 5811]
2970	[5087, 1467]	6008	[8785, 8786]	9046	[3111, 7341]	12084	[11791, 6371]
2971	[5088, 4667]	6009	[8787, 3366]	9047	[11180, 6848]	12085	[12128, 2487]
2972	[5089, 1403]	6010	[8788, 8789]	9048	[2049, 8215]	12086	[668, 5643]
2973	[5090, 4101]	6011	[4078, 8790]	9049	[2625, 5611]	12087	[2698, 11768]
2974	[5091, 3919]	6012	[8791, 5489]	9050	[11181, 11182]	12088	[11101, 7988]
2975	[5092, 5093]	6013	[8792, 4662]	9051	[7069, 10620]	12089	[11720, 10978]
2976	[5094, 5095]	6014	[8537, 1431]	9052	[2138, 519]	12090	[6542, 5803]
2977	[3858, 5096]	6015	[8793, 8794]	9053	[2774, 7310]	12091	[6625, 8095]

2978	[5097, 1111]	6016	[5282, 8795]	9054	[6777, 7826]	12092	[7142, 11691]
2979	[3720, 5098]	6017	[8796, 1796]	9055	[10598, 11183]	12093	[6256, 12130]
2980	[1695, 5099]	6018	[5185, 8797]	9056	[5986, 2534]	12094	[2741, 11763]
2981	[5100, 3898]	6019	[429, 8798]	9057	[7896, 6880]	12095	[2418, 510]
2982	[5101, 1445]	6020	[8799, 8800]	9058	[2587, 2955]	12096	[11752, 7660]
2983	[5102, 5103]	6021	[3456, 8317]	9059	[1871, 11184]	12097	[11040, 177]
2984	[5104, 4067]	6022	[4062, 4845]	9060	[6058, 7480]	12098	[11610, 7109]
2985	[5105, 5106]	6023	[8801, 1011]	9061	[5920, 11185]	12099	[11697, 6315]
2986	[5107, 5108]	6024	[1339, 8802]	9062	[11186, 6863]	12100	[5820, 6448]
2987	[5109, 3673]	6025	[3338, 4855]	9063	[8247, 2418]	12101	[11536, 7622]
2988	[5110, 5111]	6026	[5377, 4934]	9064	[7216, 6699]	12102	[2572, 6266]
2989	[3686, 5112]	6027	[8803, 8804]	9065	[11151, 2469]	12103	[6964, 6303]
2990	[5113, 5114]	6028	[8805, 8806]	9066	[10896, 10902]	12104	[6696, 6215]
2991	[5115, 5116]	6029	[4109, 8807]	9067	[11122, 2543]	12105	[814, 5818]
2992	[5117, 1131]	6030	[3896, 8808]	9068	[5960, 11187]	12106	[6048, 7543]
2993	[5118, 5119]	6031	[3781, 8809]	9069	[11188, 11189]	12107	[1994, 7893]
2994	[5120, 1714]	6032	[8810, 4033]	9070	[175, 11190]	12108	[829, 2445]
2995	[5121, 3574]	6033	[8811, 8812]	9071	[6237, 8181]	12109	[12121, 10645]
2996	[5122, 5123]	6034	[1831, 4495]	9072	[11191, 11192]	12110	[8170, 8138]
2997	[5124, 5125]	6035	[3344, 8813]	9073	[11193, 11194]	12111	[2233, 6731]
2998	[369, 4530]	6036	[1356, 8814]	9074	[6873, 11195]	12112	[11052, 2150]
2999	[5126, 1335]	6037	[8815, 8816]	9075	[11196, 7486]	12113	[10786, 11635]
3000	[5127, 5128]	6038	[8817, 8818]	9076	[6939, 10797]	12114	[3184, 888]
3001	[5129, 5029]	6039	[5022, 8819]	9077	[6464, 11180]	12115	[2307, 12146]
3002	[1633, 5130]	6040	[5338, 8820]	9078	[11197, 11198]	12116	[11067, 5782]
3003	[3805, 5131]	6041	[8821, 4761]	9079	[7355, 6208]	12117	[697, 2996]
3004	[5132, 5133]	6042	[8822, 8823]	9080	[11022, 5914]	12118	[12143, 11481]
3005	[5134, 1288]	6043	[8358, 3897]	9081	[10862, 11199]	12119	[12147, 4040]
3006	[1565, 5135]	6044	[8824, 8385]	9082	[3025, 7304]	12120	[4556, 8544]
3007	[5136, 1170]	6045	[8825, 5541]	9083	[3027, 11200]	12121	[1834, 11818]
3008	[5137, 3743]	6046	[1441, 8629]	9084	[3029, 10880]	12122	[1391, 1711]
3009	[5138, 4080]	6047	[4841, 8826]	9085	[5775, 10648]	12123	[9588, 10195]
3010	[5139, 1636]	6048	[8827, 8828]	9086	[728, 694]	12124	[4860, 333]
3011	[5140, 5141]	6049	[8829, 8830]	9087	[10889, 7951]	12125	[10214, 8429]
3012	[5142, 5143]	6050	[8831, 8832]	9088	[8108, 2189]	12126	[9002, 8898]
3013	[5144, 1468]	6051	[8833, 8503]	9089	[11201, 2186]	12127	[1377, 10342]
3014	[5145, 5146]	6052	[5183, 4335]	9090	[7024, 11202]	12128	[9152, 12061]
3015	[3567, 5147]	6053	[8709, 8834]	9091	[5944, 6869]	12129	[8696, 4723]
3016	[5148, 3876]	6054	[398, 8835]	9092	[7494, 7296]	12130	[10200, 9098]
3017	[435, 3777]	6055	[4988, 3613]	9093	[3165, 5970]	12131	[4500, 4798]
3018	[4709, 3410]	6056	[260, 8836]	9094	[2062, 12]	12132	[9888, 9797]
3019	[5149, 5150]	6057	[8837, 3360]	9095	[11203, 11204]	12133	[4130, 1736]
3020	[4546, 5151]	6058	[8838, 4175]	9096	[5601, 7526]	12134	[9546, 12115]
3021	[1557, 5152]	6059	[1667, 8639]	9097	[11205, 11206]	12135	[1826, 5062]

3022	[5153, 5154]	6060	[8839, 4330]	9098	[7107, 11207]	12136	[3950, 10439]
3023	[5155, 5156]	6061	[8840, 1267]	9099	[6851, 7213]	12137	[10156, 3825]
3024	[5157, 5158]	6062	[8841, 5136]	9100	[10799, 2706]	12138	[3694, 10084]
3025	[5159, 5160]	6063	[8842, 8843]	9101	[638, 11208]	12139	[8404, 5067]
3026	[3936, 5161]	6064	[124, 8711]	9102	[574, 773]	12140	[4166, 12107]
3027	[4217, 5162]	6065	[8844, 8845]	9103	[11209, 11210]	12141	[12100, 1380]
3028	[5163, 5164]	6066	[4592, 1531]	9104	[11211, 11212]	12142	[5073, 3663]
3029	[5165, 5166]	6067	[8576, 8846]	9105	[946, 11213]	12143	[1227, 1447]
3030	[5167, 5168]	6068	[3395, 8847]	9106	[2354, 11214]	12144	[1504, 1241]
3031	[5169, 5170]	6069	[8848, 3939]	9107	[6301, 11215]	12145	[1489, 11812]
3032	[5171, 5172]	6070	[8849, 8850]	9108	[11216, 3195]	12146	[4278, 12053]
3033	[5173, 5174]	6071	[8780, 5031]	9109	[11217, 10731]	12147	[12148, 2016]
3034	[5175, 5176]	6072	[465, 4763]	9110	[11218, 6604]	12148	[12149, 1652]
3035	[5177, 5178]	6073	[8851, 8852]	9111	[8054, 11219]	12149	[1, 2784]
3036	[4387, 5179]	6074	[5528, 8853]	9112	[11220, 8136]		
3037	[5180, 3958]	6075	[4818, 8312]	9113	[7000, 5967]		

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	1	4052	1	6078	0	8104	0	10130	1
1	0	2027	1	4053	1	6079	0	8105	1	10131	1
2	0	2028	1	4054	0	6080	0	8106	0	10132	0
3	0	2029	1	4055	1	6081	1	8107	0	10133	1
4	0	2030	0	4056	0	6082	1	8108	0	10134	0
5	0	2031	0	4057	0	6083	0	8109	0	10135	1
6	0	2032	0	4058	1	6084	1	8110	0	10136	0
7	0	2033	0	4059	0	6085	0	8111	1	10137	1
8	0	2034	1	4060	1	6086	1	8112	0	10138	0
9	0	2035	1	4061	0	6087	0	8113	1	10139	1
10	0	2036	1	4062	0	6088	1	8114	0	10140	1
11	0	2037	1	4063	1	6089	1	8115	0	10141	1
12	1	2038	0	4064	1	6090	1	8116	1	10142	0
13	0	2039	0	4065	1	6091	1	8117	1	10143	1
14	0	2040	0	4066	1	6092	0	8118	0	10144	0
15	0	2041	0	4067	0	6093	1	8119	1	10145	0
16	1	2042	1	4068	1	6094	0	8120	1	10146	0
17	0	2043	1	4069	1	6095	1	8121	1	10147	1
18	1	2044	1	4070	1	6096	1	8122	0	10148	1
19	0	2045	0	4071	0	6097	0	8123	0	10149	1
20	1	2046	0	4072	0	6098	1	8124	1	10150	1
21	0	2047	0	4073	0	6099	0	8125	1	10151	1
22	1	2048	1	4074	1	6100	0	8126	1	10152	0
23	0	2049	0	4075	0	6101	0	8127	1	10153	0
24	0	2050	1	4076	1	6102	0	8128	1	10154	0

25	1	2051	0	4077	1	6103	1	8129	0	10155	0
26	0	2052	0	4078	0	6104	0	8130	1	10156	0
27	0	2053	1	4079	0	6105	1	8131	1	10157	1
28	0	2054	0	4080	1	6106	1	8132	0	10158	1
29	0	2055	0	4081	1	6107	1	8133	1	10159	0
30	0	2056	0	4082	0	6108	0	8134	0	10160	1
31	0	2057	0	4083	1	6109	0	8135	1	10161	0
32	0	2058	1	4084	1	6110	0	8136	0	10162	0
33	1	2059	0	4085	0	6111	0	8137	1	10163	0
34	0	2060	0	4086	0	6112	0	8138	0	10164	0
35	0	2061	1	4087	1	6113	0	8139	0	10165	0
36	1	2062	1	4088	1	6114	1	8140	1	10166	1
37	1	2063	0	4089	1	6115	0	8141	1	10167	1
38	1	2064	0	4090	0	6116	0	8142	1	10168	1
39	0	2065	0	4091	0	6117	0	8143	1	10169	0
40	0	2066	1	4092	1	6118	0	8144	0	10170	1
41	1	2067	0	4093	1	6119	1	8145	1	10171	0
42	1	2068	1	4094	0	6120	0	8146	0	10172	0
43	0	2069	1	4095	0	6121	0	8147	1	10173	1
44	1	2070	1	4096	1	6122	1	8148	1	10174	1
45	1	2071	0	4097	0	6123	1	8149	1	10175	0
46	1	2072	1	4098	0	6124	1	8150	0	10176	0
47	0	2073	1	4099	0	6125	1	8151	0	10177	1
48	0	2074	0	4100	0	6126	1	8152	1	10178	0
49	0	2075	0	4101	1	6127	1	8153	0	10179	1
50	1	2076	0	4102	0	6128	1	8154	1	10180	0
51	1	2077	1	4103	1	6129	0	8155	1	10181	0
52	0	2078	0	4104	0	6130	0	8156	1	10182	0
53	0	2079	1	4105	0	6131	0	8157	0	10183	1
54	1	2080	1	4106	1	6132	1	8158	1	10184	1
55	0	2081	1	4107	1	6133	1	8159	1	10185	0
56	1	2082	1	4108	0	6134	0	8160	0	10186	0
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59	0	2085	0	4111	1	6137	0	8163	0	10189	0
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61	0	2087	1	4113	0	6139	1	8165	1	10191	1
62	1	2088	0	4114	1	6140	1	8166	1	10192	1
63	0	2089	1	4115	0	6141	0	8167	0	10193	0
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65	0	2091	0	4117	0	6143	1	8169	0	10195	0
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67	1	2093	0	4119	1	6145	1	8171	1	10197	1
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69	0	2095	1	4121	0	6147	0	8173	1	10199	0
70	1	2096	0	4122	1	6148	1	8174	0	10200	1
71	0	2097	0	4123	1	6149	0	8175	0	10201	0
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74	1	2100	1	4126	0	6152	0	8178	0	10204	1
75	1	2101	0	4127	0	6153	1	8179	0	10205	1
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84	1	2110	0	4136	0	6162	1	8188	0	10214	0
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87	0	2113	1	4139	0	6165	0	8191	0	10217	1
88	1	2114	0	4140	1	6166	1	8192	1	10218	0
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90	1	2116	1	4142	0	6168	1	8194	1	10220	0
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93	1	2119	0	4145	1	6171	0	8197	0	10223	1
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95	0	2121	1	4147	0	6173	1	8199	1	10225	1
96	1	2122	0	4148	0	6174	1	8200	1	10226	0
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103	1	2129	0	4155	1	6181	0	8207	1	10233	1
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135	1	2161	0	4187	0	6213	0	8239	0	10265	0
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138	0	2164	0	4190	1	6216	1	8242	0	10268	0
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141	1	2167	0	4193	1	6219	0	8245	0	10271	0
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144	0	2170	0	4196	1	6222	1	8248	0	10274	1
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147	1	2173	1	4199	1	6225	1	8251	1	10277	0
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161	1	2187	1	4213	0	6239	0	8265	0	10291	0
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172	1	2198	1	4224	1	6250	1	8276	1	10302	0
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174	1	2200	1	4226	0	6252	0	8278	0	10304	1
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181	1	2207	1	4233	1	6259	1	8285	1	10311	1
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214	0	2240	0	4266	1	6292	1	8318	0	10344	1
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223	0	2249	0	4275	0	6301	0	8327	0	10353	1
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229	1	2255	1	4281	1	6307	1	8333	0	10359	0
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235	1	2261	0	4287	1	6313	0	8339	1	10365	0
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242	1	2268	1	4294	1	6320	1	8346	1	10372	1
243	1	2269	1	4295	0	6321	0	8347	0	10373	0
244	0	2270	0	4296	1	6322	0	8348	0	10374	1

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247	0	2273	0	4299	0	6325	0	8351	1	10377	1
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250	0	2276	1	4302	0	6328	0	8354	1	10380	0
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328	1	2354	1	4380	1	6406	0	8432	1	10458	1
329	1	2355	1	4381	0	6407	1	8433	0	10459	0
330	1	2356	1	4382	0	6408	1	8434	0	10460	0
331	1	2357	0	4383	0	6409	0	8435	1	10461	0
332	1	2358	0	4384	1	6410	1	8436	0	10462	1

333	1	2359	0	4385	1	6411	1	8437	0	10463	0
334	1	2360	1	4386	1	6412	0	8438	0	10464	1
335	1	2361	1	4387	0	6413	1	8439	0	10465	1
336	1	2362	1	4388	1	6414	0	8440	1	10466	1
337	0	2363	0	4389	0	6415	1	8441	0	10467	0
338	1	2364	0	4390	0	6416	1	8442	1	10468	0
339	0	2365	1	4391	1	6417	1	8443	0	10469	1
340	1	2366	1	4392	1	6418	0	8444	0	10470	0
341	0	2367	0	4393	0	6419	0	8445	1	10471	0
342	1	2368	1	4394	0	6420	1	8446	1	10472	1
343	0	2369	0	4395	0	6421	1	8447	1	10473	1
344	1	2370	1	4396	0	6422	0	8448	1	10474	0
345	0	2371	1	4397	0	6423	1	8449	1	10475	1
346	1	2372	1	4398	1	6424	0	8450	1	10476	0
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350	0	2376	0	4402	0	6428	0	8454	1	10480	1
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354	1	2380	0	4406	1	6432	0	8458	1	10484	1
355	0	2381	1	4407	1	6433	1	8459	0	10485	0
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358	1	2384	0	4410	1	6436	0	8462	0	10488	0
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367	1	2393	0	4419	0	6445	0	8471	1	10497	1
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370	1	2396	1	4422	0	6448	1	8474	0	10500	0
371	1	2397	1	4423	0	6449	1	8475	0	10501	1
372	0	2398	0	4424	1	6450	1	8476	0	10502	1
373	0	2399	1	4425	1	6451	1	8477	1	10503	0
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379	0	2405	0	4431	1	6457	0	8483	0	10509	1
380	1	2406	1	4432	1	6458	0	8484	0	10510	0
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409	1	2435	0	4461	0	6487	0	8513	0	10539	1
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414	1	2440	1	4466	0	6492	1	8518	0	10544	0
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424	1	2450	1	4476	0	6502	0	8528	0	10554	1
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427	0	2453	0	4479	0	6505	1	8531	1	10557	1
428	0	2454	0	4480	1	6506	1	8532	0	10558	0
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431	1	2457	0	4483	1	6509	0	8535	1	10561	1
432	0	2458	1	4484	0	6510	1	8536	0	10562	0
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435	1	2461	0	4487	1	6513	1	8539	1	10565	1
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438	1	2464	0	4490	1	6516	1	8542	1	10568	1
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441	0	2467	0	4493	1	6519	1	8545	1	10571	0
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445	0	2471	1	4497	0	6523	0	8549	0	10575	1
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597	1	2623	1	4649	1	6675	0	8701	1	10727	0
598	1	2624	0	4650	0	6676	0	8702	1	10728	0
599	0	2625	0	4651	0	6677	0	8703	1	10729	0
600	0	2626	0	4652	1	6678	1	8704	1	10730	0
601	0	2627	1	4653	0	6679	0	8705	1	10731	1
602	0	2628	1	4654	1	6680	0	8706	0	10732	0
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605	1	2631	0	4657	0	6683	0	8709	0	10735	0
606	1	2632	1	4658	1	6684	0	8710	0	10736	0
607	0	2633	1	4659	1	6685	0	8711	1	10737	1
608	1	2634	0	4660	0	6686	1	8712	1	10738	1
609	0	2635	0	4661	1	6687	1	8713	0	10739	1
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611	1	2637	1	4663	1	6689	0	8715	1	10741	1
612	0	2638	1	4664	0	6690	1	8716	1	10742	0
613	1	2639	1	4665	0	6691	1	8717	0	10743	0
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615	1	2641	0	4667	0	6693	0	8719	0	10745	1
616	0	2642	0	4668	0	6694	0	8720	0	10746	0
617	0	2643	1	4669	0	6695	0	8721	1	10747	0
618	1	2644	1	4670	1	6696	0	8722	1	10748	0
619	0	2645	0	4671	1	6697	0	8723	0	10749	0
620	0	2646	0	4672	1	6698	1	8724	0	10750	1
621	0	2647	0	4673	1	6699	1	8725	1	10751	0
622	1	2648	0	4674	1	6700	1	8726	0	10752	1
623	1	2649	1	4675	1	6701	1	8727	0	10753	1
624	1	2650	0	4676	0	6702	1	8728	1	10754	0
625	0	2651	1	4677	0	6703	0	8729	1	10755	1
626	0	2652	0	4678	0	6704	0	8730	1	10756	0
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628	0	2654	0	4680	0	6706	1	8732	1	10758	1
629	0	2655	0	4681	1	6707	1	8733	0	10759	1
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632	0	2658	0	4684	0	6710	1	8736	0	10762	1
633	1	2659	0	4685	1	6711	0	8737	0	10763	0
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635	1	2661	1	4687	0	6713	1	8739	0	10765	0
636	0	2662	0	4688	1	6714	1	8740	0	10766	1
637	1	2663	1	4689	1	6715	1	8741	0	10767	0
638	1	2664	0	4690	0	6716	0	8742	0	10768	1
639	1	2665	0	4691	1	6717	0	8743	0	10769	0
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645	1	2671	0	4697	1	6723	0	8749	1	10775	1
646	1	2672	0	4698	0	6724	0	8750	0	10776	0
647	1	2673	0	4699	1	6725	0	8751	0	10777	0
648	1	2674	1	4700	1	6726	1	8752	0	10778	0
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653	1	2679	1	4705	0	6731	0	8757	1	10783	1
654	1	2680	0	4706	0	6732	0	8758	0	10784	1
655	1	2681	1	4707	0	6733	1	8759	1	10785	0
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664	1	2690	1	4716	0	6742	1	8768	0	10794	1
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668	1	2694	1	4720	0	6746	0	8772	1	10798	0
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670	1	2696	1	4722	0	6748	1	8774	1	10800	0
671	1	2697	0	4723	1	6749	1	8775	0	10801	1
672	0	2698	0	4724	1	6750	1	8776	0	10802	1
673	0	2699	0	4725	0	6751	0	8777	0	10803	0
674	1	2700	1	4726	1	6752	1	8778	0	10804	1
675	1	2701	1	4727	1	6753	1	8779	1	10805	1
676	0	2702	0	4728	1	6754	1	8780	0	10806	1
677	0	2703	1	4729	0	6755	1	8781	0	10807	1
678	1	2704	1	4730	0	6756	0	8782	0	10808	1
679	0	2705	0	4731	1	6757	1	8783	0	10809	1
680	0	2706	0	4732	1	6758	1	8784	0	10810	1
681	1	2707	1	4733	0	6759	1	8785	0	10811	0
682	1	2708	1	4734	0	6760	0	8786	1	10812	0
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685	0	2711	1	4737	0	6763	1	8789	1	10815	0
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688	1	2714	1	4740	1	6766	1	8792	0	10818	1
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691	1	2717	0	4743	0	6769	1	8795	0	10821	1
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693	1	2719	0	4745	0	6771	1	8797	0	10823	1
694	0	2720	1	4746	0	6772	1	8798	1	10824	0
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696	1	2722	1	4748	0	6774	0	8800	0	10826	0
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698	0	2724	0	4750	0	6776	0	8802	1	10828	0
699	0	2725	0	4751	0	6777	0	8803	0	10829	0
700	0	2726	0	4752	0	6778	0	8804	0	10830	1
701	0	2727	0	4753	0	6779	0	8805	0	10831	1
702	1	2728	1	4754	0	6780	1	8806	1	10832	0
703	1	2729	0	4755	1	6781	1	8807	1	10833	0
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705	0	2731	1	4757	1	6783	1	8809	1	10835	0
706	1	2732	0	4758	0	6784	0	8810	1	10836	0
707	1	2733	0	4759	1	6785	0	8811	1	10837	0
708	1	2734	0	4760	1	6786	1	8812	1	10838	1
709	0	2735	1	4761	0	6787	0	8813	0	10839	1
710	0	2736	0	4762	0	6788	0	8814	1	10840	1
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715	1	2741	0	4767	0	6793	0	8819	0	10845	0
716	1	2742	1	4768	1	6794	1	8820	1	10846	1
717	1	2743	1	4769	0	6795	0	8821	0	10847	1
718	1	2744	1	4770	1	6796	0	8822	0	10848	1
719	1	2745	1	4771	1	6797	0	8823	0	10849	1
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721	0	2747	1	4773	1	6799	1	8825	1	10851	1
722	1	2748	1	4774	0	6800	1	8826	1	10852	1
723	0	2749	0	4775	1	6801	1	8827	1	10853	0
724	1	2750	0	4776	0	6802	1	8828	0	10854	1
725	1	2751	1	4777	0	6803	1	8829	0	10855	0
726	1	2752	1	4778	0	6804	0	8830	0	10856	1
727	0	2753	1	4779	1	6805	1	8831	0	10857	0
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729	1	2755	1	4781	1	6807	1	8833	1	10859	1
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731	1	2757	1	4783	0	6809	1	8835	0	10861	0
732	1	2758	1	4784	0	6810	1	8836	0	10862	1
733	1	2759	1	4785	0	6811	1	8837	0	10863	0
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737	0	2763	0	4789	0	6815	0	8841	0	10867	0
738	0	2764	0	4790	1	6816	0	8842	1	10868	0
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740	0	2766	0	4792	1	6818	0	8844	1	10870	0
741	1	2767	0	4793	1	6819	1	8845	0	10871	0
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745	0	2771	0	4797	1	6823	0	8849	0	10875	1
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766	1	2792	1	4818	0	6844	0	8870	1	10896	0
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768	0	2794	1	4820	1	6846	1	8872	0	10898	0
769	1	2795	0	4821	1	6847	1	8873	1	10899	0
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776	0	2802	0	4828	0	6854	0	8880	0	10906	1
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778	1	2804	0	4830	1	6856	0	8882	0	10908	1
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786	0	2812	0	4838	1	6864	1	8890	1	10916	1
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810	1	2836	1	4862	0	6888	0	8914	0	10940	1
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847	0	2873	0	4899	0	6925	1	8951	1	10977	0
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864	0	2890	0	4916	0	6942	1	8968	1	10994	0
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1656	1	3682	1	5708	1	7734	1	9760	0	11786	1
1657	1	3683	0	5709	1	7735	1	9761	1	11787	1
1658	0	3684	1	5710	1	7736	0	9762	1	11788	0
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1660	1	3686	0	5712	0	7738	1	9764	0	11790	1
1661	1	3687	0	5713	0	7739	1	9765	1	11791	0
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1665	0	3691	0	5717	0	7743	0	9769	1	11795	0
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1667	0	3693	0	5719	1	7745	1	9771	1	11797	1
1668	1	3694	1	5720	0	7746	0	9772	0	11798	0
1669	1	3695	0	5721	1	7747	0	9773	0	11799	1
1670	1	3696	0	5722	0	7748	0	9774	1	11800	1
1671	1	3697	0	5723	0	7749	0	9775	0	11801	1
1672	1	3698	0	5724	1	7750	1	9776	1	11802	0
1673	0	3699	0	5725	1	7751	0	9777	0	11803	0
1674	1	3700	1	5726	1	7752	0	9778	1	11804	0
1675	0	3701	1	5727	0	7753	0	9779	0	11805	0
1676	1	3702	1	5728	0	7754	1	9780	0	11806	0
1677	0	3703	1	5729	1	7755	1	9781	0	11807	0
1678	0	3704	1	5730	0	7756	0	9782	0	11808	0
1679	0	3705	0	5731	1	7757	1	9783	0	11809	1
1680	0	3706	1	5732	1	7758	0	9784	0	11810	0
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1691	1	3717	1	5743	0	7769	0	9795	0	11821	1
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1721	1	3747	0	5773	1	7799	1	9825	0	11851	1
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1727	1	3753	1	5779	1	7805	1	9831	0	11857	1
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1732	1	3758	1	5784	1	7810	1	9836	0	11862	0
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1737	1	3763	0	5789	1	7815	0	9841	1	11867	0
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1746	1	3772	1	5798	1	7824	1	9850	0	11876	0
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1756	1	3782	0	5808	1	7834	1	9860	1	11886	0
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1758	1	3784	0	5810	0	7836	1	9862	0	11888	1
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1776	0	3802	0	5828	0	7854	0	9880	1	11906	1
1777	0	3803	0	5829	0	7855	0	9881	0	11907	0
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1779	0	3805	1	5831	1	7857	1	9883	0	11909	1
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1914	1	3940	1	5966	0	7992	0	10018	1	12044	1
1915	1	3941	0	5967	1	7993	0	10019	1	12045	0
1916	1	3942	0	5968	1	7994	1	10020	0	12046	0

1917	0	3943	0	5969	1	7995	0	10021	1	12047	0
1918	1	3944	0	5970	0	7996	0	10022	1	12048	0
1919	1	3945	1	5971	1	7997	1	10023	0	12049	0
1920	0	3946	0	5972	1	7998	0	10024	1	12050	0
1921	0	3947	1	5973	0	7999	1	10025	0	12051	1
1922	0	3948	0	5974	0	8000	1	10026	1	12052	0
1923	0	3949	1	5975	0	8001	1	10027	1	12053	1
1924	1	3950	0	5976	0	8002	1	10028	1	12054	1
1925	1	3951	0	5977	1	8003	1	10029	1	12055	0
1926	1	3952	1	5978	0	8004	1	10030	1	12056	0
1927	0	3953	1	5979	1	8005	0	10031	1	12057	0
1928	0	3954	1	5980	1	8006	0	10032	1	12058	0
1929	0	3955	0	5981	1	8007	1	10033	1	12059	0
1930	1	3956	0	5982	1	8008	1	10034	0	12060	0
1931	1	3957	1	5983	0	8009	1	10035	1	12061	0
1932	0	3958	0	5984	0	8010	0	10036	1	12062	0
1933	0	3959	1	5985	1	8011	1	10037	0	12063	1
1934	1	3960	0	5986	0	8012	1	10038	1	12064	0
1935	0	3961	1	5987	0	8013	1	10039	1	12065	1
1936	0	3962	1	5988	0	8014	1	10040	0	12066	0
1937	0	3963	0	5989	0	8015	0	10041	0	12067	0
1938	0	3964	0	5990	0	8016	1	10042	0	12068	0
1939	1	3965	0	5991	1	8017	1	10043	1	12069	0
1940	0	3966	1	5992	1	8018	1	10044	0	12070	0
1941	1	3967	0	5993	1	8019	1	10045	1	12071	1
1942	0	3968	0	5994	1	8020	1	10046	0	12072	1
1943	0	3969	1	5995	1	8021	0	10047	1	12073	0
1944	1	3970	0	5996	1	8022	0	10048	0	12074	1
1945	1	3971	1	5997	1	8023	1	10049	0	12075	0
1946	0	3972	0	5998	1	8024	1	10050	1	12076	0
1947	1	3973	0	5999	1	8025	1	10051	0	12077	0
1948	1	3974	1	6000	1	8026	1	10052	1	12078	1
1949	0	3975	0	6001	0	8027	0	10053	1	12079	1
1950	0	3976	0	6002	0	8028	1	10054	0	12080	0
1951	0	3977	1	6003	0	8029	0	10055	1	12081	0
1952	0	3978	1	6004	0	8030	1	10056	0	12082	1
1953	1	3979	1	6005	1	8031	0	10057	1	12083	0
1954	1	3980	1	6006	0	8032	0	10058	0	12084	0
1955	0	3981	1	6007	0	8033	1	10059	1	12085	0
1956	1	3982	1	6008	0	8034	0	10060	0	12086	1
1957	1	3983	1	6009	0	8035	0	10061	1	12087	0
1958	1	3984	1	6010	0	8036	0	10062	0	12088	0
1959	0	3985	0	6011	0	8037	0	10063	1	12089	1
1960	0	3986	1	6012	0	8038	0	10064	1	12090	0

1961	0	3987	0	6013	0	8039	1	10065	1	12091	1
1962	1	3988	0	6014	0	8040	1	10066	0	12092	1
1963	1	3989	0	6015	1	8041	0	10067	0	12093	1
1964	0	3990	1	6016	1	8042	1	10068	0	12094	0
1965	1	3991	0	6017	0	8043	1	10069	1	12095	1
1966	1	3992	1	6018	0	8044	0	10070	1	12096	0
1967	0	3993	1	6019	0	8045	0	10071	1	12097	1
1968	0	3994	0	6020	1	8046	1	10072	0	12098	1
1969	1	3995	1	6021	1	8047	1	10073	1	12099	0
1970	1	3996	1	6022	0	8048	0	10074	1	12100	1
1971	1	3997	0	6023	1	8049	0	10075	1	12101	1
1972	0	3998	1	6024	0	8050	1	10076	1	12102	1
1973	0	3999	0	6025	1	8051	1	10077	0	12103	1
1974	0	4000	0	6026	1	8052	0	10078	0	12104	0
1975	1	4001	1	6027	0	8053	1	10079	1	12105	0
1976	0	4002	0	6028	0	8054	1	10080	0	12106	1
1977	0	4003	0	6029	1	8055	0	10081	1	12107	0
1978	1	4004	1	6030	1	8056	1	10082	0	12108	1
1979	1	4005	0	6031	0	8057	0	10083	0	12109	0
1980	0	4006	0	6032	1	8058	0	10084	1	12110	0
1981	1	4007	1	6033	1	8059	0	10085	0	12111	0
1982	1	4008	1	6034	0	8060	1	10086	0	12112	1
1983	1	4009	0	6035	0	8061	0	10087	1	12113	0
1984	1	4010	0	6036	1	8062	1	10088	0	12114	0
1985	0	4011	1	6037	0	8063	0	10089	0	12115	1
1986	1	4012	0	6038	0	8064	1	10090	0	12116	1
1987	0	4013	0	6039	1	8065	1	10091	1	12117	1
1988	0	4014	0	6040	1	8066	1	10092	0	12118	0
1989	1	4015	1	6041	0	8067	1	10093	0	12119	0
1990	0	4016	0	6042	0	8068	1	10094	0	12120	0
1991	1	4017	0	6043	0	8069	1	10095	0	12121	0
1992	1	4018	0	6044	0	8070	1	10096	0	12122	1
1993	1	4019	0	6045	1	8071	1	10097	0	12123	0
1994	0	4020	1	6046	1	8072	0	10098	0	12124	0
1995	1	4021	1	6047	1	8073	1	10099	1	12125	0
1996	0	4022	1	6048	1	8074	1	10100	0	12126	0
1997	0	4023	1	6049	0	8075	1	10101	0	12127	1
1998	1	4024	1	6050	0	8076	1	10102	1	12128	0
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2000	0	4026	1	6052	0	8078	0	10104	0	12130	1
2001	0	4027	1	6053	0	8079	0	10105	0	12131	1
2002	1	4028	1	6054	0	8080	1	10106	0	12132	1
2003	1	4029	0	6055	0	8081	1	10107	0	12133	1
2004	1	4030	0	6056	1	8082	0	10108	0	12134	0

2005	1	4031	0	6057	0	8083	1	10109	0	12135	0
2006	1	4032	1	6058	1	8084	0	10110	0	12136	0
2007	1	4033	1	6059	0	8085	1	10111	1	12137	0
2008	1	4034	0	6060	1	8086	1	10112	0	12138	1
2009	0	4035	0	6061	1	8087	1	10113	0	12139	1
2010	0	4036	0	6062	0	8088	1	10114	1	12140	0
2011	1	4037	0	6063	1	8089	0	10115	0	12141	1
2012	0	4038	1	6064	0	8090	1	10116	0	12142	0
2013	1	4039	0	6065	1	8091	1	10117	1	12143	0
2014	1	4040	1	6066	1	8092	1	10118	1	12144	1
2015	1	4041	0	6067	1	8093	0	10119	1	12145	0
2016	0	4042	0	6068	1	8094	0	10120	1	12146	1
2017	1	4043	0	6069	0	8095	0	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	1	12149	0
2020	1	4046	0	6072	1	8098	0	10124	1		
2021	0	4047	1	6073	1	8099	1	10125	0		
2022	1	4048	0	6074	0	8100	0	10126	0		
2023	1	4049	0	6075	0	8101	0	10127	0		
2024	0	4050	1	6076	0	8102	0	10128	0		
2025	0	4051	0	6077	1	8103	0	10129	0		

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