

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

$$(a, b) = (z^3 + z + 1, z^4 + z^3 + z + 1)$$

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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 $(a, b) = (z^3 + z + 1, z^4 + z^3 + z + 1)$.

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 $(a, b) = (z^3 + z + 1, z^4 + z^3 + z + 1)$, 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 $\text{CF}(a, b)$,

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{15} + z^{11} + z^{10} + z^9 + z^7 + z^5 + z^2 + 1, \\ p_1(z) &= z^{25} + z^{24} + z^{20} + z^{19} + z^{18} + z^{15} + z^{13} + z^{12} + z^{11} + z^9 + z^6 + z^4, \\ p_2(z) &= z^{28} + z^{24} + z^{22} + z^{18} + z^{12} + 1, \\ p_3(z) &= z^{25} + z^{24} + z^{20} + z^{19} + z^{18} + z^{15} + z^{13} + z^{12} + z^{11} + z^9 + z^6 + z^4, \\ p_4(z) &= z^{22} + z^{21} + z^{18} + z^{15} + z^{12} + z^{11} + z^{10} + z^9 + z^8 + z^7 + z^5 + z^2 + 1, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{16} + z^{15} + z^{11} + z^{10} + z^9 + z^7 + z^5 + z^2 + 1, \\ p_1(z) &= z^{25} + z^{24} + z^{20} + z^{19} + z^{18} + z^{15} + z^{13} + z^{12} + z^{11} + z^9 + z^6 + z^4, \\ p_2(z) &= z^{28} + z^{24} + z^{22} + z^{18} + z^{12} + 1, \\ p_3(z) &= z^{25} + z^{24} + z^{20} + z^{19} + z^{18} + z^{15} + z^{13} + z^{12} + z^{11} + z^9 + z^6 + z^4, \\ p_4(z) &= z^{22} + z^{21} + z^{18} + z^{16} + z^{15} + z^{12} + z^{11} + z^{10} + z^9 + z^8 + z^7 + z^5 + z^2 \\ &\quad + 1. \end{aligned}$$

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 $n \geq 0$

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

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

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

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

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

for some positive integer d_n . Hence,

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

Therefore, by the convergence theorem of continued fraction, the algebraicity of $\text{CF}(a, b)$ will be established if it is shown that both $M_{2^n}(x)_{0,1}$ and $M_{2^n}(x)_{0,0}$ 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 $(M_{2^n}(x)_{i,j})_n$, $(M_{2^{n+1}}(x)_{i,j})_n$, $(W_{2^n}(x)_{i,j})_n$, and $(W_{2^{n+1}}(x)_{i,j})_n$ 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 $(M_{2^n}(x))_n$, $(M_{2^{n+1}}(x))_n$, $(W_{2^n}(x))_n$, and $(W_{2^{n+1}}(x))_n$.

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.*

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

$$\begin{aligned}
& + x^{8u}M^e[:6u] + (x^{7u} + x^{8u} + x^{11u} + x^{13u})R^e, \\
W^e[:14u] = & W^e[:7u] + x^uW^e[:6u] + x^{2u}W^e[:5u] + x^{3u}W^e[:4u] + x^{5u}W^e[:2u] \\
& + x^{6u}W^e[:u] + x^uW^e[:7u] + x^{2u}W^e[:6u] + x^{3u}W^e[:5u] \\
& + x^{4u}W^e[:4u] + x^{6u}W^e[:2u] + x^{7u}W^e[:u] + x^{4u}W^e[:7u] \\
& + x^{5u}W^e[:6u] + x^{6u}W^e[:5u] + x^{7u}W^e[:4u] + x^{9u}W^e[:2u] \\
& + x^{10u}W^e[:u] + x^{6u}W^e[:7u] + x^{7u}W^e[:6u] + x^{8u}W^e[:5u] \\
& + x^{9u}W^e[:4u] + x^{11u}W^e[:2u] + x^{12u}W^e[:u] + x^{7u}W^e[:7u] \\
& + x^{8u}W^e[:6u] + (x^{7u} + x^{8u} + x^{11u} + x^{13u})R^e.
\end{aligned}$$

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

$$\begin{aligned}
M^o[:14u] = & M^o[:7u] + x^uM^o[:6u] + x^{2u}M^o[:5u] + x^{3u}M^o[:4u] + x^{5u}M^o[:2u] \\
& + x^{6u}M^o[:u] + x^uM^o[:7u] + x^{2u}M^o[:6u] + x^{3u}M^o[:5u] \\
& + x^{4u}M^o[:4u] + x^{6u}M^o[:2u] + x^{7u}M^o[:u] + x^{4u}M^o[:7u] \\
& + x^{5u}M^o[:6u] + x^{6u}M^o[:5u] + x^{7u}M^o[:4u] + x^{9u}M^o[:2u] \\
& + x^{10u}M^o[:u] + x^{6u}M^o[:7u] + x^{7u}M^o[:6u] + x^{8u}M^o[:5u] \\
& + x^{9u}M^o[:4u] + x^{11u}M^o[:2u] + x^{12u}M^o[:u] + x^{7u}M^o[:7u] \\
& + x^{8u}M^o[:6u] + (x^{7u} + x^{8u} + x^{11u} + x^{13u})R^o, \\
W^o[:14u] = & W^o[:7u] + x^uW^o[:6u] + x^{2u}W^o[:5u] + x^{3u}W^o[:4u] + x^{5u}W^o[:2u] \\
& + x^{6u}W^o[:u] + x^uW^o[:7u] + x^{2u}W^o[:6u] + x^{3u}W^o[:5u] \\
& + x^{4u}W^o[:4u] + x^{6u}W^o[:2u] + x^{7u}W^o[:u] + x^{4u}W^o[:7u] \\
& + x^{5u}W^o[:6u] + x^{6u}W^o[:5u] + x^{7u}W^o[:4u] + x^{9u}W^o[:2u] \\
& + x^{10u}W^o[:u] + x^{6u}W^o[:7u] + x^{7u}W^o[:6u] + x^{8u}W^o[:5u] \\
& + x^{9u}W^o[:4u] + x^{11u}W^o[:2u] + x^{12u}W^o[:u] + x^{7u}W^o[:7u] \\
& + x^{8u}W^o[:6u] + (x^{7u} + x^{8u} + x^{11u} + x^{13u})R^o.
\end{aligned}$$

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 $u = 2^{2k}$,

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

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

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

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

which can be rewritten as

$$(2.7) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] + T[[111w]_2],$$

$$(2.8) \quad 0 = T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[1000w]_2],$$

$$(2.9) \quad 0 = T[[10w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1001w]_2],$$

$$(2.10) \quad 0 = T[[w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1010w]_2],$$

$$(2.11) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[101w]_2] + T[[1011w]_2],$$

$$(2.12) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1100w]_2],$$

$$(2.13) \quad 0 = T[[101w]_2] + T[[110w]_2] + T[[1101w]_2],$$

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

$$(2.14) \quad 1 = T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] + T[[111w]_2],$$

$$(2.15) \quad 1 = T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[1000w]_2],$$

$$(2.16) \quad 0 = T[[10w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1001w]_2],$$

$$(2.17) \quad 0 = T[[w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1010w]_2],$$

$$(2.18) \quad 1 = T[[w]_2] + T[[10w]_2] + T[[101w]_2] + T[[1011w]_2],$$

$$(2.19) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1100w]_2],$$

$$(2.20) \quad 1 = T[[101w]_2] + T[[110w]_2] + T[[1101w]_2],$$

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 13882 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

$$(2.21) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\ &+ \tau(A(s, 110)) + \tau(A(s, 111)), \end{aligned}$$

$$(2.22) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 1000)),$$

$$(2.23) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1001)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 101)) + \tau(A(s, 110))$$

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

$$(2.25) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 1011)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 110))$$

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

$$(2.27) \quad 0 = \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)),$$

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

$$1 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101))$$

$$(2.28) \quad + \tau(A(s, 110)) + \tau(A(s, 111)),$$

$$(2.29) \quad 1 = \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 1000)),$$

$$(2.30) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1001)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 101)) + \tau(A(s, 110))$$

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

$$(2.32) \quad 1 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 1011)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 110))$$

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

$$(2.34) \quad 1 = \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)),$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{80}), E_{80}) = (A(i, 0^{24}), E_{24})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 40$, which turns out to be true. $\square$

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

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

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

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

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

$$M_{2k+1} = M^o[:7u] + x^u M^o[:6u] + x^{2u} M^o[:5u] + x^{3u} M^o[:4u] + x^{5u} M^o[:2u] \\ + x^{6u} M^o[:u] + x^{7u} R^o,$$

$$W_{2k+1} = W^o[:7u] + x^u W^o[:6u] + x^{2u} W^o[:5u] + x^{3u} W^o[:4u] + x^{5u} W^o[:2u] \\ + x^{6u} W^o[:u] + x^{7u} R^o.$$

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

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

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

We give the proof of

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

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

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

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

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

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

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

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

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

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

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

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

Define

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

where

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{23} + x^{21} + x^{19} + x^{18} + x^{17} + x^{13} + x^8 + x^7, \\ q_1(x) &= x^{24} + x^{22} + x^{19} + x^{17} + x^{16} + x^{15} + x^{13} + x^{10} + x^9 + x^8 + x^4 + x^3, \\ q_2(x) &= x^{28} + x^{16} + x^{10} + x^6 + x^4 + 1, \\ q_3(x) &= x^{24} + x^{22} + x^{19} + x^{17} + x^{16} + x^{15} + x^{13} + x^{10} + x^9 + x^8 + x^4 + x^3, \\ q_4(x) &= x^{28} + x^{26} + x^{23} + x^{21} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{13} + x^{10} + x^7 \\ &\quad + x^6. \end{aligned}$$

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

$$\begin{aligned} p_0(x) &= x^{150} + x^{148} + x^{146} + x^{138} + x^{136} + x^{134} + x^{126} + x^{124} + x^{116} + x^{114} \\ &\quad + x^{112} + x^{104} + x^{100} + x^{84} + x^{82} + x^{78} + x^{72} + x^{62} + x^{58} + x^{56} + x^{54} \\ &\quad + x^{52} + x^{48} + x^{44} + x^{42} + x^{38} + x^{36}, \\ p_3(x) &= x^{142} + x^{140} + x^{136} + x^{126} + x^{124} + x^{122} + x^{118} + x^{116} + x^{108} + x^{106} \\ &\quad + x^{102} + x^{98} + x^{96} + x^{90} + x^{84} + x^{82} + x^{80} + x^{72} + x^{70} + x^{64} + x^{60} \\ &\quad + x^{58} + x^{56} + x^{52} + x^{48} + x^{42} + x^{40} + x^{38} + x^{36} + x^{32} + x^{28} + x^{26} \\ &\quad + x^{24} + x^{20}, \\ p_6(x) &= x^{146} + x^{144} + x^{138} + x^{136} + x^{134} + x^{130} + x^{128} + x^{126} + x^{122} + x^{118} \\ &\quad + x^{116} + x^{114} + x^{112} + x^{108} + x^{106} + x^{104} + x^{100} + x^{98} + x^{96} + x^{92} \\ &\quad + x^{88} + x^{84} + x^{72} + x^{70} + x^{66} + x^{62} + x^{50} + x^{42} + x^{40} + x^{32} + x^{30} \\ &\quad + x^{28} + x^{26} + x^{22} + x^{20} + x^{16} + x^{14} + x^{10} + x^4 + 1, \end{aligned}$$

$$\begin{aligned}
p_9(x) &= x^{142} + x^{140} + x^{138} + x^{124} + x^{120} + x^{118} + x^{104} + x^{102} + x^{98} + x^{96} \\
&\quad + x^{92} + x^{88} + x^{86} + x^{82} + x^{76} + x^{70} + x^{68} + x^{56} + x^{48} + x^{44} + x^{42} \\
&\quad + x^{36} + x^{32} + x^{26} + x^{24} + x^{22} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^6, \\
p_{12}(x) &= x^{150} + x^{148} + x^{144} + x^{142} + x^{140} + x^{136} + x^{126} + x^{124} + x^{120} + x^{110} \\
&\quad + x^{108} + x^{104} + x^{94} + x^{92} + x^{88} + x^{86} + x^{84} + x^{80} + x^{70} + x^{68} + x^{64} \\
&\quad + x^{62} + x^{60} + x^{56} + x^{54} + x^{52} + x^{48} + x^{22} + x^{20} + x^{16} + x^{14} + x^{12} \\
&\quad + x^8 + x^6 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{128} + x^{127} + x^{124} + x^{123} + x^{122} + x^{118} + x^{117} + x^{116} + x^{115} \\
&\quad + x^{113} + x^{112} + x^{108} + x^{106} + x^{104} + x^{103} + x^{101} + x^{99} + x^{98} + x^{97} \\
&\quad + x^{94} + x^{91} + x^{90} + x^{89} + x^{87} + x^{85} + x^{84} + x^{83} + x^{82} + x^{80} + x^{79} \\
&\quad + x^{78} + x^{77} + x^{76} + x^{74} + x^{71} + x^{69} + x^{68} + x^{67} + x^{66} + x^{63} + x^{62} \\
&\quad + x^{61} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} + x^{47} + x^{46} \\
&\quad + x^{45} + x^{40} + x^{39}, \\
p_3(x) &= x^{111} + x^{99} + x^{95} + x^{93} + x^{89} + x^{87} + x^{77} + x^{73} + x^{67} + x^{63} + x^{59} \\
&\quad + x^{55} + x^{53} + x^{51} + x^{49} + x^{47} + x^{45} + x^{41} + x^{39} + x^{37} + x^{35} + x^{33} \\
&\quad + x^{31} + x^{27}, \\
p_6(x) &= x^{123} + x^{121} + x^{118} + x^{116} + x^{115} + x^{114} + x^{112} + x^{111} + x^{108} + x^{106} \\
&\quad + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} + x^{92} \\
&\quad + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{71} + x^{70} \\
&\quad + x^{69} + x^{68} + x^{61} + x^{59} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{47} \\
&\quad + x^{46} + x^{44} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{26} \\
&\quad + x^{22} + x^{19} + x^{18}, \\
p_9(x) &= x^{135} + x^{131} + x^{125} + x^{123} + x^{121} + x^{119} + x^{115} + x^{111} + x^{109} + x^{105} \\
&\quad + x^{101} + x^{97} + x^{95} + x^{91} + x^{89} + x^{85} + x^{83} + x^{81} + x^{77} + x^{75} + x^{73} \\
&\quad + x^{69} + x^{65} + x^{63} + x^{61} + x^{59} + x^{51} + x^{49} + x^{41} + x^{37} + x^{33} + x^{31} \\
&\quad + x^{25} + x^{21} + x^{19} + x^{13} + x^{11} + x^9, \\
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^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\
&\quad + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} \\
&\quad + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} + x^{90} + x^{88} \\
&\quad + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} \\
&\quad + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} + x^{53} + x^{52} + x^{47} + x^{45} + x^{43} + x^{42}
\end{aligned}$$

$$\begin{aligned}
& + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{29} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 \\
& + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{131} + x^{130} + x^{129} \\
& + x^{128} + x^{127} + x^{124} + x^{123} + x^{122} + x^{118} + x^{117} + x^{116} + x^{115} \\
& + x^{113} + x^{112} + x^{108} + x^{106} + x^{104} + x^{103} + x^{101} + x^{99} + x^{98} + x^{97} \\
& + x^{94} + x^{91} + x^{90} + x^{89} + x^{87} + x^{85} + x^{84} + x^{83} + x^{82} + x^{80} + x^{79} \\
& + x^{78} + x^{77} + x^{76} + x^{74} + x^{71} + x^{69} + x^{68} + x^{67} + x^{66} + x^{63} + x^{62} \\
& + x^{61} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} + x^{47} + x^{46} \\
& + x^{45} + x^{40} + x^{39},
\end{aligned}$$

$$\begin{aligned}
p_3(x) = & x^{111} + x^{99} + x^{95} + x^{93} + x^{89} + x^{87} + x^{77} + x^{73} + x^{67} + x^{63} + x^{59} \\
& + x^{55} + x^{53} + x^{51} + x^{49} + x^{47} + x^{45} + x^{41} + x^{39} + x^{37} + x^{35} + x^{33} \\
& + x^{31} + x^{27},
\end{aligned}$$

$$\begin{aligned}
p_6(x) = & x^{123} + x^{121} + x^{118} + x^{116} + x^{115} + x^{114} + x^{112} + x^{111} + x^{108} + x^{106} \\
& + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} + x^{92} \\
& + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{71} + x^{70} \\
& + x^{69} + x^{68} + x^{61} + x^{59} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{47} \\
& + x^{46} + x^{44} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{26} \\
& + x^{22} + x^{19} + x^{18},
\end{aligned}$$

$$\begin{aligned}
p_9(x) = & x^{135} + x^{131} + x^{125} + x^{123} + x^{121} + x^{119} + x^{115} + x^{111} + x^{109} + x^{105} \\
& + x^{101} + x^{97} + x^{95} + x^{91} + x^{89} + x^{85} + x^{83} + x^{81} + x^{77} + x^{75} + x^{73} \\
& + x^{69} + x^{65} + x^{63} + x^{61} + x^{59} + x^{51} + x^{49} + x^{41} + x^{37} + x^{33} + x^{31} \\
& + x^{25} + x^{21} + x^{19} + x^{13} + x^{11} + x^9,
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} + x^{90} + x^{88} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} + x^{53} + x^{52} + x^{47} + x^{45} + x^{43} + x^{42} \\
& + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{29} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 \\
& + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{144} + x^{142} + x^{140} + x^{136} + x^{130} + x^{118} + x^{110} + x^{106} + x^{100} + x^{98} \\
&\quad + x^{90} + x^{74} + x^{72} + x^{70} + x^{66} + x^{62} + x^{58} + x^{56} + x^{54} + x^{48} + x^{42}, \\
p_3(x) &= x^{136} + x^{134} + x^{130} + x^{128} + x^{112} + x^{110} + x^{108} + x^{106} + x^{104} + x^{100} \\
&\quad + x^{98} + x^{96} + x^{92} + x^{86} + x^{82} + x^{78} + x^{76} + x^{74} + x^{70} + x^{60} + x^{58} \\
&\quad + x^{50} + x^{40} + x^{34} + x^{32} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18}, \\
p_6(x) &= x^{140} + x^{138} + x^{130} + x^{124} + x^{122} + x^{116} + x^{114} + x^{112} + x^{110} + x^{108} \\
&\quad + x^{106} + x^{104} + x^{100} + x^{98} + x^{92} + x^{90} + x^{82} + x^{80} + x^{78} + x^{72} + x^{70} \\
&\quad + x^{68} + x^{62} + x^{60} + x^{58} + x^{56} + x^{50} + x^{48} + x^{46} + x^{40} + x^{38} + x^{36} \\
&\quad + x^{28} + x^{24} + x^{20} + x^{12} + x^{10} + x^8 + x^2 + 1, \\
p_9(x) &= x^{136} + x^{134} + x^{132} + x^{128} + x^{124} + x^{116} + x^{112} + x^{108} + x^{102} + x^{100} \\
&\quad + x^{92} + x^{90} + x^{82} + x^{80} + x^{74} + x^{70} + x^{64} + x^{62} + x^{60} + x^{56} + x^{52} \\
&\quad + x^{48} + x^{46} + x^{40} + x^{38} + x^{36} + x^{32} + x^{30} + x^{28} + x^{22} + x^{18} + x^{16} \\
&\quad + x^{10} + x^6, \\
p_{12}(x) &= x^{144} + x^{142} + x^{138} + x^{134} + x^{130} + x^{128} + x^{120} + x^{118} + x^{114} + x^{110} \\
&\quad + x^{106} + x^{102} + x^{98} + x^{96} + x^{88} + x^{86} + x^{82} + x^{80} + x^{64} + x^{62} + x^{58} \\
&\quad + x^{54} + x^{50} + x^{46} + x^{42} + x^{40} + x^{32} + x^{30} + x^{26} + x^{24} + x^8 + x^6 + x^2 \\
&\quad + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{144} + x^{142} + x^{140} + x^{136} + x^{130} + x^{128} + x^{126} + x^{122} + x^{114} + x^{112} \\
&\quad + x^{110} + x^{108} + x^{104} + x^{102} + x^{96} + x^{92} + x^{90} + x^{78} + x^{76} + x^{70} \\
&\quad + x^{66} + x^{64} + x^{62} + x^{60} + x^{58} + x^{54} + x^{52} + x^{46} + x^{44} + x^{42} + x^{36}, \\
p_3(x) &= x^{136} + x^{134} + x^{130} + x^{128} + x^{120} + x^{118} + x^{116} + x^{110} + x^{108} + x^{104} \\
&\quad + x^{100} + x^{98} + x^{94} + x^{88} + x^{86} + x^{78} + x^{76} + x^{74} + x^{70} + x^{60} + x^{58} \\
&\quad + x^{50} + x^{48} + x^{46} + x^{44} + x^{30} + x^{28} + x^{26} + x^{22} + x^{20}, \\
p_6(x) &= x^{140} + x^{138} + x^{130} + x^{128} + x^{126} + x^{124} + x^{118} + x^{114} + x^{112} + x^{104} \\
&\quad + x^{94} + x^{90} + x^{86} + x^{84} + x^{76} + x^{72} + x^{70} + x^{68} + x^{62} + x^{60} + x^{58} \\
&\quad + x^{54} + x^{48} + x^{44} + x^{38} + x^{32} + x^{28} + x^{24} + x^{22} + x^{18} + x^{16} + x^{14} \\
&\quad + x^{10} + x^8 + x^2 + 1, \\
p_9(x) &= x^{136} + x^{134} + x^{132} + x^{128} + x^{124} + x^{116} + x^{112} + x^{108} + x^{102} + x^{100} \\
&\quad + x^{92} + x^{90} + x^{82} + x^{80} + x^{74} + x^{70} + x^{64} + x^{62} + x^{60} + x^{56} + x^{52} \\
&\quad + x^{48} + x^{46} + x^{40} + x^{38} + x^{36} + x^{32} + x^{30} + x^{28} + x^{22} + x^{18} + x^{16} \\
&\quad + x^{10} + x^6, \\
p_{12}(x) &= x^{144} + x^{142} + x^{138} + x^{134} + x^{130} + x^{128} + x^{120} + x^{118} + x^{114} + x^{110}
\end{aligned}$$

$$\begin{aligned}
& + x^{106} + x^{102} + x^{98} + x^{96} + x^{88} + x^{86} + x^{82} + x^{80} + x^{64} + x^{62} + x^{58} \\
& + x^{54} + x^{50} + x^{46} + x^{42} + x^{40} + x^{32} + x^{30} + x^{26} + x^{24} + x^8 + x^6 + x^2 \\
& + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{131} + x^{130} + x^{129} \\
& + x^{128} + x^{127} + x^{124} + x^{122} + x^{121} + x^{117} + x^{115} + x^{114} + x^{111} \\
& + x^{110} + x^{108} + x^{107} + x^{106} + x^{104} + x^{103} + x^{102} + x^{97} + x^{96} + x^{95} \\
& + x^{94} + x^{92} + x^{91} + x^{88} + x^{85} + x^{84} + x^{83} + x^{82} + x^{80} + x^{78} + x^{75} \\
& + x^{73} + x^{72} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} + x^{59} + x^{58} + x^{56} + x^{47} \\
& + x^{46} + x^{44} + x^{40} + x^{39}, \\
p_3(x) &= x^{111} + x^{99} + x^{95} + x^{93} + x^{89} + x^{87} + x^{77} + x^{73} + x^{67} + x^{63} + x^{59} \\
& + x^{55} + x^{53} + x^{51} + x^{49} + x^{47} + x^{45} + x^{41} + x^{39} + x^{37} + x^{35} + x^{33} \\
& + x^{31} + x^{27}, \\
p_6(x) &= x^{123} + x^{121} + x^{118} + x^{116} + x^{115} + x^{114} + x^{112} + x^{111} + x^{108} + x^{106} \\
& + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} + x^{92} \\
& + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{71} + x^{70} \\
& + x^{69} + x^{68} + x^{61} + x^{59} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{47} \\
& + x^{46} + x^{44} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{26} \\
& + x^{22} + x^{19} + x^{18}, \\
p_9(x) &= x^{135} + x^{131} + x^{125} + x^{123} + x^{121} + x^{119} + x^{115} + x^{111} + x^{109} + x^{105} \\
& + x^{101} + x^{97} + x^{95} + x^{91} + x^{89} + x^{85} + x^{83} + x^{81} + x^{77} + x^{75} + x^{73} \\
& + x^{69} + x^{65} + x^{63} + x^{61} + x^{59} + x^{51} + x^{49} + x^{41} + x^{37} + x^{33} + x^{31} \\
& + x^{25} + x^{21} + x^{19} + x^{13} + x^{11} + x^9, \\
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^{83} + x^{82} + x^{81} + x^{80} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} + x^{53} + x^{52} + x^{47} + x^{45} + x^{43} + x^{42} \\
& + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} + 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 $[0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0]$.

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{128} + x^{127} + x^{124} + x^{122} + x^{121} + x^{117} + x^{115} + x^{114} + x^{111} \\
&\quad + x^{110} + x^{108} + x^{107} + x^{106} + x^{104} + x^{103} + x^{102} + x^{97} + x^{96} + x^{95} \\
&\quad + x^{94} + x^{92} + x^{91} + x^{88} + x^{85} + x^{84} + x^{83} + x^{82} + x^{80} + x^{78} + x^{75} \\
&\quad + x^{73} + x^{72} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} + x^{59} + x^{58} + x^{56} + x^{47} \\
&\quad + x^{46} + x^{44} + x^{40} + x^{39}, \\
p_3(x) &= x^{111} + x^{99} + x^{95} + x^{93} + x^{89} + x^{87} + x^{77} + x^{73} + x^{67} + x^{63} + x^{59} \\
&\quad + x^{55} + x^{53} + x^{51} + x^{49} + x^{47} + x^{45} + x^{41} + x^{39} + x^{37} + x^{35} + x^{33} \\
&\quad + x^{31} + x^{27}, \\
p_6(x) &= x^{123} + x^{121} + x^{118} + x^{116} + x^{115} + x^{114} + x^{112} + x^{111} + x^{108} + x^{106} \\
&\quad + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} + x^{92} \\
&\quad + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{71} + x^{70} \\
&\quad + x^{69} + x^{68} + x^{61} + x^{59} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{47} \\
&\quad + x^{46} + x^{44} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{26} \\
&\quad + x^{22} + x^{19} + x^{18}, \\
p_9(x) &= x^{135} + x^{131} + x^{125} + x^{123} + x^{121} + x^{119} + x^{115} + x^{111} + x^{109} + x^{105} \\
&\quad + x^{101} + x^{97} + x^{95} + x^{91} + x^{89} + x^{85} + x^{83} + x^{81} + x^{77} + x^{75} + x^{73} \\
&\quad + x^{69} + x^{65} + x^{63} + x^{61} + x^{59} + x^{51} + x^{49} + x^{41} + x^{37} + x^{33} + x^{31} \\
&\quad + x^{25} + x^{21} + x^{19} + x^{13} + x^{11} + x^9, \\
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^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\
&\quad + x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} \\
&\quad + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} + x^{90} + x^{88} \\
&\quad + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} \\
&\quad + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} + x^{53} + x^{52} + x^{47} + x^{45} + x^{43} + x^{42} \\
&\quad + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{29} + x^{27} \\
&\quad + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 \\
&\quad + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{150} + x^{148} + x^{146} + x^{138} + x^{136} + x^{132} + x^{128} + x^{120} + x^{116} + x^{110} \\
&\quad + x^{108} + x^{102} + x^{100} + x^{90} + x^{86} + x^{82} + x^{80} + x^{74} + x^{72} + x^{70} + x^{60} \\
&\quad + x^{52} + x^{48} + x^{44} + x^{42}, \\
p_3(x) &= x^{142} + x^{140} + x^{136} + x^{118} + x^{116} + x^{114} + x^{112} + x^{106} + x^{104} + x^{94}
\end{aligned}$$

$$\begin{aligned}
& + x^{90} + x^{86} + x^{82} + x^{78} + x^{72} + x^{68} + x^{56} + x^{52} + x^{48} + x^{42} + x^{40} \\
& + x^{34} + x^{32} + x^{30} + x^{26} + x^{18}, \\
p_6(x) &= x^{146} + x^{144} + x^{138} + x^{136} + x^{132} + x^{130} + x^{124} + x^{114} + x^{110} + x^{106} \\
& + x^{104} + x^{96} + x^{94} + x^{92} + x^{90} + x^{86} + x^{84} + x^{82} + x^{78} + x^{76} + x^{74} \\
& + x^{70} + x^{68} + x^{64} + x^{60} + x^{52} + x^{50} + x^{46} + x^{44} + x^{42} + x^{34} + x^{30} \\
& + x^{28} + x^{24} + x^{16} + x^{14} + x^{12} + x^{10} + x^4 + 1, \\
p_9(x) &= x^{142} + x^{140} + x^{138} + x^{124} + x^{120} + x^{118} + x^{104} + x^{102} + x^{98} + x^{96} \\
& + x^{92} + x^{88} + x^{86} + x^{82} + x^{76} + x^{70} + x^{68} + x^{56} + x^{48} + x^{44} + x^{42} \\
& + x^{36} + x^{32} + x^{26} + x^{24} + x^{22} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^6, \\
p_{12}(x) &= x^{150} + x^{148} + x^{144} + x^{142} + x^{140} + x^{136} + x^{126} + x^{124} + x^{120} + x^{110} \\
& + x^{108} + x^{104} + x^{94} + x^{92} + x^{88} + x^{86} + x^{84} + x^{80} + x^{70} + x^{68} + x^{64} \\
& + x^{62} + x^{60} + x^{56} + x^{54} + x^{52} + x^{48} + x^{22} + x^{20} + x^{16} + x^{14} + x^{12} \\
& + x^8 + x^6 + x^4 + 1,
\end{aligned}$$

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

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} \\
& + x^{130} + x^{128} + x^{126} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{116} \\
& + x^{114} + x^{111} + x^{109} + x^{108} + x^{107} + x^{106} + x^{104} + x^{103} + x^{102} \\
& + x^{101} + x^{100} + x^{97} + x^{94} + x^{93} + x^{89} + x^{83} + x^{82} + x^{81} + x^{80} + x^{78} \\
& + x^{77} + x^{76} + x^{72} + x^{71} + x^{69} + x^{68} + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} \\
& + x^{58} + x^{55} + x^{53} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{42} + x^{40} \\
& + x^{37} + x^{36}, \\
p_3(x) &= x^{131} + x^{129} + x^{126} + x^{124} + x^{123} + x^{122} + x^{120} + x^{119} + x^{116} + x^{115} \\
& + x^{114} + x^{112} + x^{110} + x^{108} + x^{107} + x^{106} + x^{104} + x^{101} + x^{100} \\
& + x^{98} + x^{95} + x^{93} + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{85} + x^{82} + x^{81} \\
& + x^{80} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{71} + x^{68} + x^{67} + x^{64} \\
& + x^{61} + x^{60} + x^{58} + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{43} + x^{42} + x^{40} \\
& + x^{39} + x^{38} + x^{37} + x^{35} + x^{34} + x^{33} + x^{30} + x^{28} + x^{25} + x^{24}, \\
p_6(x) &= x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{132} + x^{131} + x^{129} + x^{125} \\
& + x^{124} + x^{123} + x^{121} + x^{116} + x^{115} + x^{114} + x^{112} + x^{111} + x^{110} \\
& + x^{109} + x^{107} + x^{103} + x^{101} + x^{100} + x^{96} + x^{93} + x^{89} + x^{88} + x^{85} \\
& + x^{84} + x^{83} + x^{82} + x^{80} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} + x^{68} \\
& + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{53} + x^{52} + x^{50} \\
& + x^{48} + x^{47} + x^{45} + x^{43} + x^{40} + x^{39} + x^{35} + x^{33} + x^{32} + x^{30} + x^{29} \\
& + x^{28} + x^{27} + x^{25} + x^{21} + x^{17} + x^{16} + x^{14} + x^{13} + x^{10} + x^8 + x^6 + x^4
\end{aligned}$$

$$\begin{aligned}
& + x^3 + x^2 + x + 1, \\
p_9(x) &= x^{131} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{99} + x^{97} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{35} + x^{33} + x^{31} \\
& + x^{30} + x^{29} + x^{28} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} + x^{12}, \\
p_{12}(x) &= x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{127} + x^{125} + x^{122} + x^{120} + x^{118} + x^{116} + x^{114} \\
& + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{102} \\
& + x^{101} + x^{100} + x^{95} + x^{93} + x^{90} + x^{88} + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} \\
& + x^{80} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} \\
& + x^{53} + x^{52} + x^{51} + x^{49} + x^{46} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} \\
& + x^{37} + x^{34} + x^{32} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} \\
& + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{13} + x^{10} + x^8 + x^6 + x^4 + x^3 + x^2 \\
& + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{152} + x^{140} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} + x^{123} + x^{120} \\
& + x^{118} + x^{117} + x^{115} + x^{113} + x^{112} + x^{110} + x^{109} + x^{107} + x^{106} \\
& + x^{105} + x^{104} + x^{103} + x^{101} + x^{98} + x^{97} + x^{93} + x^{92} + x^{91} + x^{87} \\
& + x^{86} + x^{81} + x^{79} + x^{77} + x^{72} + x^{65} + x^{64} + x^{62} + x^{58} + x^{57} + x^{53} \\
& + x^{52} + x^{51} + x^{49} + x^{46} + x^{44} + x^{43} + x^{41} + x^{39}, \\
p_3(x) &= x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{106} + x^{101} + x^{100} + x^{98} \\
& + x^{97} + x^{96} + x^{95} + x^{90} + x^{88} + x^{85} + x^{84} + x^{83} + x^{81} + x^{78} + x^{77} \\
& + x^{76} + x^{74} + x^{71} + x^{70} + x^{69} + x^{67} + x^{64} + x^{63} + x^{62} + x^{60} + x^{57} \\
& + x^{56} + x^{55} + x^{53} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{43} + x^{41} + x^{40} \\
& + x^{38} + x^{37} + x^{36} + x^{35} + x^{32} + x^{28} + x^{27}, \\
p_6(x) &= x^{128} + x^{120} + x^{118} + x^{116} + x^{112} + x^{108} + x^{106} + x^{104} + x^{102} + x^{100} \\
& + x^{90} + x^{88} + x^{82} + x^{78} + x^{76} + x^{74} + x^{70} + x^{64} + x^{62} + x^{60} + x^{50} \\
& + x^{44} + x^{42} + x^{28} + x^{20} + x^{18}, \\
p_9(x) &= x^{140} + x^{138} + x^{135} + x^{133} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{126} \\
& + x^{124} + x^{123} + x^{122} + x^{121} + x^{108} + x^{106} + x^{103} + x^{101} + x^{100} \\
& + x^{99} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{60} + x^{58} \\
& + x^{55} + x^{53} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{43} + x^{41} + x^{39} \\
& + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{30} + x^{27} + x^{25} + x^{23} + x^{21} \\
& + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12} + x^{11} + x^{10} + x^9, \\
p_{12}(x) &= x^{152} + x^{148} + x^{144} + x^{120} + x^{84} + x^{80} + x^{72} + x^{68} + x^{64} + x^{56} + x^{52}
\end{aligned}$$

$$+ x^{48} + x^{40} + x^{20} + x^{16} + x^4 + 1,$$

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

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

$$\begin{aligned} p_0(x) = & x^{156} + x^{144} + x^{143} + x^{141} + x^{139} + x^{137} + x^{136} + x^{132} + x^{128} + x^{125} \\ & + x^{124} + x^{121} + x^{119} + x^{117} + x^{115} + x^{112} + x^{111} + x^{108} + x^{107} \\ & + x^{105} + x^{102} + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{89} + x^{88} \\ & + x^{86} + x^{84} + x^{82} + x^{79} + x^{78} + x^{77} + x^{75} + x^{74} + x^{73} + x^{71} + x^{69} \\ & + x^{68} + x^{66} + x^{65} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{54} + x^{53} \\ & + x^{52} + x^{49} + x^{48} + x^{45} + x^{41} + x^{39}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{120} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{110} + x^{105} + x^{101} + x^{100} \\ & + x^{97} + x^{95} + x^{93} + x^{91} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{82} \\ & + x^{80} + x^{79} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} + x^{66} + x^{62} + x^{61} \\ & + x^{60} + x^{56} + x^{55} + x^{54} + x^{50} + x^{49} + x^{48} + x^{44} + x^{43} + x^{42} + x^{38} \\ & + x^{37} + x^{36} + x^{31} + x^{28} + x^{27}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{132} + x^{124} + x^{122} + x^{120} + x^{110} + x^{108} + x^{104} + x^{102} + x^{98} + x^{96} \\ & + x^{92} + x^{90} + x^{88} + x^{86} + x^{80} + x^{70} + x^{68} + x^{62} + x^{60} + x^{58} + x^{56} \\ & + x^{54} + x^{52} + x^{42} + x^{40} + x^{34} + x^{30} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18}, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{144} + x^{142} + x^{139} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{132} + x^{130} \\ & + x^{127} + x^{125} + x^{124} + x^{123} + x^{122} + x^{121} + x^{112} + x^{110} + x^{107} \\ & + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{98} + x^{95} + x^{93} + x^{92} \\ & + x^{91} + x^{90} + x^{89} + x^{64} + x^{62} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\ & + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} + x^{40} + x^{39} + x^{38} \\ & + x^{37} + x^{36} + x^{34} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{26} + x^{24} + x^{23} \\ & + x^{22} + x^{21} + x^{20} + x^{18} + x^{15} + x^{13} + x^{12} + x^{11} + x^{10} + x^9, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{156} + x^{152} + x^{148} + x^{140} + x^{132} + x^{124} + x^{120} + x^{116} + x^{112} + x^{108} \\ & + x^{100} + x^{80} + x^{76} + x^{72} + x^{68} + x^{56} + x^{40} + x^{32} + x^{28} + x^{20} + x^{16} \\ & + 1, \end{aligned}$$

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

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

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{136} + x^{135} + x^{132} + x^{130} \\ & + x^{129} + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} + x^{120} + x^{119} + x^{116} \\ & + x^{115} + x^{112} + x^{111} + x^{106} + x^{105} + x^{104} + x^{99} + x^{97} + x^{94} + x^{93} \\ & + x^{91} + x^{89} + x^{85} + x^{83} + x^{81} + x^{77} + x^{76} + x^{74} + x^{73} + x^{70} + x^{69} \\ & + x^{67} + x^{66} + x^{64} + x^{62} + x^{61} + x^{59} + x^{55} + x^{54} + x^{53} + x^{51} + x^{50} \\ & + x^{47} + x^{46} + x^{43} + x^{42}, \end{aligned}$$

$$\begin{aligned}
p_3(x) = & x^{131} + x^{129} + x^{126} + x^{124} + x^{123} + x^{122} + x^{120} + x^{119} + x^{116} + x^{114} \\
& + x^{113} + x^{112} + x^{111} + x^{109} + x^{107} + x^{106} + x^{104} + x^{103} + x^{100} \\
& + x^{97} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} + x^{87} + x^{84} + x^{82} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{75} + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} \\
& + x^{62} + x^{61} + x^{57} + x^{56} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{47} \\
& + x^{46} + x^{45} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{34} + x^{31} + x^{30} + x^{27} \\
& + x^{26},
\end{aligned}$$

$$\begin{aligned}
p_6(x) = & x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{132} + x^{127} + x^{126} + x^{118} \\
& + x^{115} + x^{113} + x^{111} + x^{106} + x^{105} + x^{104} + x^{103} + x^{101} + x^{100} \\
& + x^{99} + x^{97} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} + x^{88} + x^{82} + x^{81} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{71} + x^{69} + x^{67} + x^{66} \\
& + x^{62} + x^{60} + x^{57} + x^{56} + x^{54} + x^{53} + x^{50} + x^{49} + x^{47} + x^{41} + x^{38} \\
& + x^{32} + x^{31} + x^{29} + x^{24} + x^{22} + x^{21} + x^{18} + x^{16} + x^{15} + x^{12} + x^{10} \\
& + x^8 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

$$\begin{aligned}
p_9(x) = & x^{131} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{99} + x^{97} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{35} + x^{33} + x^{31} \\
& + x^{30} + x^{29} + x^{28} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{127} + x^{125} + x^{122} + x^{120} + x^{118} + x^{116} + x^{114} \\
& + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{102} \\
& + x^{101} + x^{100} + x^{95} + x^{93} + x^{90} + x^{88} + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} \\
& + x^{80} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} \\
& + x^{53} + x^{52} + x^{51} + x^{49} + x^{46} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} \\
& + x^{37} + x^{34} + x^{32} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} \\
& + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{13} + x^{10} + x^8 + x^6 + x^4 + x^3 + x^2 \\
& + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{136} + x^{135} + x^{132} + x^{131} \\
& + x^{130} + x^{128} + x^{126} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{116} \\
& + x^{114} + x^{111} + x^{109} + x^{108} + x^{107} + x^{106} + x^{104} + x^{103} + x^{102} \\
& + x^{101} + x^{100} + x^{97} + x^{94} + x^{93} + x^{89} + x^{83} + x^{82} + x^{81} + x^{80} + x^{78} \\
& + x^{77} + x^{76} + x^{72} + x^{71} + x^{69} + x^{68} + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} \\
& + x^{58} + x^{55} + x^{53} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{42} + x^{40} \\
& + x^{37} + x^{36},
\end{aligned}$$

$$\begin{aligned}
p_3(x) &= x^{131} + x^{129} + x^{126} + x^{124} + x^{123} + x^{122} + x^{120} + x^{119} + x^{116} + x^{115} \\
&\quad + x^{114} + x^{112} + x^{110} + x^{108} + x^{107} + x^{106} + x^{104} + x^{101} + x^{100} \\
&\quad + x^{98} + x^{95} + x^{93} + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{85} + x^{82} + x^{81} \\
&\quad + x^{80} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{71} + x^{68} + x^{67} + x^{64} \\
&\quad + x^{61} + x^{60} + x^{58} + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{43} + x^{42} + x^{40} \\
&\quad + x^{39} + x^{38} + x^{37} + x^{35} + x^{34} + x^{33} + x^{30} + x^{28} + x^{25} + x^{24}, \\
p_6(x) &= x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{132} + x^{131} + x^{129} + x^{125} \\
&\quad + x^{124} + x^{123} + x^{121} + x^{116} + x^{115} + x^{114} + x^{112} + x^{111} + x^{110} \\
&\quad + x^{109} + x^{107} + x^{103} + x^{101} + x^{100} + x^{96} + x^{93} + x^{89} + x^{88} + x^{85} \\
&\quad + x^{84} + x^{83} + x^{82} + x^{80} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} + x^{68} \\
&\quad + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{53} + x^{52} + x^{50} \\
&\quad + x^{48} + x^{47} + x^{45} + x^{43} + x^{40} + x^{39} + x^{35} + x^{33} + x^{32} + x^{30} + x^{29} \\
&\quad + x^{28} + x^{27} + x^{25} + x^{21} + x^{17} + x^{16} + x^{14} + x^{13} + x^{10} + x^8 + x^6 + x^4 \\
&\quad + x^3 + x^2 + x + 1, \\
p_9(x) &= x^{131} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{99} + x^{97} + x^{95} + x^{94} \\
&\quad + x^{93} + x^{92} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{35} + x^{33} + x^{31} \\
&\quad + x^{30} + x^{29} + x^{28} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} + x^{12}, \\
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^{127} + x^{125} + x^{122} + x^{120} + x^{118} + x^{116} + x^{114} \\
&\quad + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{102} \\
&\quad + x^{101} + x^{100} + x^{95} + x^{93} + x^{90} + x^{88} + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} \\
&\quad + x^{80} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} \\
&\quad + x^{53} + x^{52} + x^{51} + x^{49} + x^{46} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} \\
&\quad + x^{37} + x^{34} + x^{32} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} \\
&\quad + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{13} + x^{10} + x^8 + x^6 + x^4 + x^3 + x^2 \\
&\quad + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{144} + x^{143} + x^{141} + x^{139} + x^{137} + x^{136} + x^{132} + x^{128} + x^{125} \\
&\quad + x^{124} + x^{121} + x^{119} + x^{117} + x^{115} + x^{112} + x^{111} + x^{108} + x^{107} \\
&\quad + x^{105} + x^{102} + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{89} + x^{88} \\
&\quad + x^{86} + x^{84} + x^{82} + x^{79} + x^{78} + x^{77} + x^{75} + x^{74} + x^{73} + x^{71} + x^{69} \\
&\quad + x^{68} + x^{66} + x^{65} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{54} + x^{53} \\
&\quad + x^{52} + x^{49} + x^{48} + x^{45} + x^{41} + x^{39}, \\
p_3(x) &= x^{120} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{110} + x^{105} + x^{101} + x^{100}
\end{aligned}$$

$$\begin{aligned}
& + x^{97} + x^{95} + x^{93} + x^{91} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{82} \\
& + x^{80} + x^{79} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} + x^{66} + x^{62} + x^{61} \\
& + x^{60} + x^{56} + x^{55} + x^{54} + x^{50} + x^{49} + x^{48} + x^{44} + x^{43} + x^{42} + x^{38} \\
& + x^{37} + x^{36} + x^{31} + x^{28} + x^{27}, \\
p_6(x) &= x^{132} + x^{124} + x^{122} + x^{120} + x^{110} + x^{108} + x^{104} + x^{102} + x^{98} + x^{96} \\
& + x^{92} + x^{90} + x^{88} + x^{86} + x^{80} + x^{70} + x^{68} + x^{62} + x^{60} + x^{58} + x^{56} \\
& + x^{54} + x^{52} + x^{42} + x^{40} + x^{34} + x^{30} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18}, \\
p_9(x) &= x^{144} + x^{142} + x^{139} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{132} + x^{130} \\
& + x^{127} + x^{125} + x^{124} + x^{123} + x^{122} + x^{121} + x^{112} + x^{110} + x^{107} \\
& + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{98} + x^{95} + x^{93} + x^{92} \\
& + x^{91} + x^{90} + x^{89} + x^{64} + x^{62} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
& + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} + x^{40} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{34} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{26} + x^{24} + x^{23} \\
& + x^{22} + x^{21} + x^{20} + x^{18} + x^{15} + x^{13} + x^{12} + x^{11} + x^{10} + x^9, \\
p_{12}(x) &= x^{156} + x^{152} + x^{148} + x^{140} + x^{132} + x^{124} + x^{120} + x^{116} + x^{112} + x^{108} \\
& + x^{100} + x^{80} + x^{76} + x^{72} + x^{68} + x^{56} + x^{40} + x^{32} + x^{28} + x^{20} + x^{16} \\
& + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{152} + x^{140} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{128} + x^{123} + x^{120} \\
& + x^{118} + x^{117} + x^{115} + x^{113} + x^{112} + x^{110} + x^{109} + x^{107} + x^{106} \\
& + x^{105} + x^{104} + x^{103} + x^{101} + x^{98} + x^{97} + x^{93} + x^{92} + x^{91} + x^{87} \\
& + x^{86} + x^{81} + x^{79} + x^{77} + x^{72} + x^{65} + x^{64} + x^{62} + x^{58} + x^{57} + x^{53} \\
& + x^{52} + x^{51} + x^{49} + x^{46} + x^{44} + x^{43} + x^{41} + x^{39}, \\
p_3(x) &= x^{116} + x^{114} + x^{112} + x^{111} + x^{110} + x^{109} + x^{106} + x^{101} + x^{100} + x^{98} \\
& + x^{97} + x^{96} + x^{95} + x^{90} + x^{88} + x^{85} + x^{84} + x^{83} + x^{81} + x^{78} + x^{77} \\
& + x^{76} + x^{74} + x^{71} + x^{70} + x^{69} + x^{67} + x^{64} + x^{63} + x^{62} + x^{60} + x^{57} \\
& + x^{56} + x^{55} + x^{53} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{43} + x^{41} + x^{40} \\
& + x^{38} + x^{37} + x^{36} + x^{35} + x^{32} + x^{28} + x^{27}, \\
p_6(x) &= x^{128} + x^{120} + x^{118} + x^{116} + x^{112} + x^{108} + x^{106} + x^{104} + x^{102} + x^{100} \\
& + x^{90} + x^{88} + x^{82} + x^{78} + x^{76} + x^{74} + x^{70} + x^{64} + x^{62} + x^{60} + x^{50} \\
& + x^{44} + x^{42} + x^{28} + x^{20} + x^{18}, \\
p_9(x) &= x^{140} + x^{138} + x^{135} + x^{133} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{126} \\
& + x^{124} + x^{123} + x^{122} + x^{121} + x^{108} + x^{106} + x^{103} + x^{101} + x^{100} \\
& + x^{99} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{60} + x^{58}
\end{aligned}$$

$$\begin{aligned}
& + x^{55} + x^{53} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{43} + x^{41} + x^{39} \\
& + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{30} + x^{27} + x^{25} + x^{23} + x^{21} \\
& + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12} + x^{11} + x^{10} + x^9, \\
p_{12}(x) = & x^{152} + x^{148} + x^{144} + x^{120} + x^{84} + x^{80} + x^{72} + x^{68} + x^{64} + x^{56} + x^{52} \\
& + x^{48} + x^{40} + x^{20} + x^{16} + x^4 + 1,
\end{aligned}$$

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

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^{130} \\
& + x^{129} + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} + x^{120} + x^{119} + x^{116} \\
& + x^{115} + x^{112} + x^{111} + x^{106} + x^{105} + x^{104} + x^{99} + x^{97} + x^{94} + x^{93} \\
& + x^{91} + x^{89} + x^{85} + x^{83} + x^{81} + x^{77} + x^{76} + x^{74} + x^{73} + x^{70} + x^{69} \\
& + x^{67} + x^{66} + x^{64} + x^{62} + x^{61} + x^{59} + x^{55} + x^{54} + x^{53} + x^{51} + x^{50} \\
& + x^{47} + x^{46} + x^{43} + x^{42}, \\
p_3(x) = & x^{131} + x^{129} + x^{126} + x^{124} + x^{123} + x^{122} + x^{120} + x^{119} + x^{116} + x^{114} \\
& + x^{113} + x^{112} + x^{111} + x^{109} + x^{107} + x^{106} + x^{104} + x^{103} + x^{100} \\
& + x^{97} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} + x^{87} + x^{84} + x^{82} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{75} + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} \\
& + x^{62} + x^{61} + x^{57} + x^{56} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{47} \\
& + x^{46} + x^{45} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{34} + x^{31} + x^{30} + x^{27} \\
& + x^{26}, \\
p_6(x) = & x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{132} + x^{127} + x^{126} + x^{118} \\
& + x^{115} + x^{113} + x^{111} + x^{106} + x^{105} + x^{104} + x^{103} + x^{101} + x^{100} \\
& + x^{99} + x^{97} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} + x^{88} + x^{82} + x^{81} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{71} + x^{69} + x^{67} + x^{66} \\
& + x^{62} + x^{60} + x^{57} + x^{56} + x^{54} + x^{53} + x^{50} + x^{49} + x^{47} + x^{41} + x^{38} \\
& + x^{32} + x^{31} + x^{29} + x^{24} + x^{22} + x^{21} + x^{18} + x^{16} + x^{15} + x^{12} + x^{10} \\
& + x^8 + x^6 + x^4 + x^3 + x^2 + x + 1, \\
p_9(x) = & x^{131} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{99} + x^{97} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{35} + x^{33} + x^{31} \\
& + x^{30} + x^{29} + x^{28} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} + x^{12}, \\
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^{127} + x^{125} + 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^{95} + x^{93} + x^{90} + x^{88} + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} \\
& + x^{80} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{54}
\end{aligned}$$

$$\begin{aligned}
& + x^{53} + x^{52} + x^{51} + x^{49} + x^{46} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} \\
& + x^{37} + x^{34} + x^{32} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} \\
& + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{13} + x^{10} + x^8 + x^6 + x^4 + x^3 + x^2 \\
& + x + 1,
\end{aligned}$$

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

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]	3471	[6005, 6006]	6942	[1446, 9965]	10413	[12503, 210]
1	[3, 4]	3472	[5979, 6007]	6943	[4487, 9966]	10414	[12504, 8329]
2	[5, 6]	3473	[6008, 6009]	6944	[8944, 8789]	10415	[12505, 12450]
3	[7, 8]	3474	[6010, 6011]	6945	[5470, 9746]	10416	[7313, 641]
4	[9, 10]	3475	[6012, 2646]	6946	[5563, 4901]	10417	[11619, 3128]
5	[11, 12]	3476	[6013, 6014]	6947	[9967, 9968]	10418	[7260, 12283]
6	[13, 14]	3477	[6015, 2360]	6948	[9969, 9970]	10419	[695, 6562]
7	[15, 16]	3478	[6016, 2705]	6949	[9971, 9972]	10420	[12225, 8387]
8	[17, 18]	3479	[697, 3116]	6950	[9973, 9974]	10421	[6473, 6869]
9	[19, 20]	3480	[6017, 6018]	6951	[9975, 4964]	10422	[675, 8102]
10	[21, 22]	3481	[6019, 6020]	6952	[8735, 9712]	10423	[677, 12506]
11	[23, 24]	3482	[2084, 6021]	6953	[9976, 9977]	10424	[12507, 1928]
12	[25, 26]	3483	[2711, 6022]	6954	[9978, 9979]	10425	[6128, 6843]
13	[27, 28]	3484	[6023, 2701]	6955	[8494, 9980]	10426	[7286, 523]
14	[29, 30]	3485	[6024, 6025]	6956	[9981, 8947]	10427	[12096, 6242]
15	[31, 32]	3486	[6026, 6027]	6957	[9982, 9983]	10428	[12508, 12509]
16	[33, 34]	3487	[6028, 6029]	6958	[5084, 77]	10429	[12510, 12199]
17	[35, 36]	3488	[6030, 6031]	6959	[9984, 9985]	10430	[7435, 12117]
18	[37, 38]	3489	[6032, 6033]	6960	[9986, 1669]	10431	[6223, 12511]
19	[39, 40]	3490	[6034, 2330]	6961	[9987, 8480]	10432	[12255, 12512]
20	[41, 42]	3491	[6004, 6035]	6962	[9988, 9989]	10433	[12087, 7766]
21	[43, 44]	3492	[1965, 6036]	6963	[9990, 9991]	10434	[2274, 11724]
22	[45, 46]	3493	[2174, 6037]	6964	[9992, 9993]	10435	[2632, 12356]
23	[47, 48]	3494	[2188, 6038]	6965	[9994, 9995]	10436	[7453, 2414]
24	[49, 50]	3495	[6039, 571]	6966	[9996, 9997]	10437	[701, 12513]
25	[51, 52]	3496	[6040, 203]	6967	[9219, 9998]	10438	[12099, 7106]
26	[53, 54]	3497	[6041, 6042]	6968	[9999, 10000]	10439	[7474, 2699]
27	[55, 56]	3498	[2482, 6043]	6969	[10001, 10002]	10440	[11546, 6011]
28	[57, 58]	3499	[6044, 6045]	6970	[3815, 10003]	10441	[2836, 7751]
29	[59, 60]	3500	[2453, 6046]	6971	[9446, 10004]	10442	[6746, 3117]
30	[61, 62]	3501	[6047, 6048]	6972	[9274, 10005]	10443	[7853, 11811]
31	[63, 64]	3502	[6049, 6050]	6973	[10006, 8984]	10444	[11843, 11926]
32	[65, 66]	3503	[6051, 2750]	6974	[5817, 10007]	10445	[7370, 3187]
33	[67, 68]	3504	[6052, 2782]	6975	[10008, 8999]	10446	[11959, 6686]

34	[69, 70]	3505	[6053, 230]	6976	[10009, 10010]	10447	[12514, 7648]
35	[71, 72]	3506	[6054, 6055]	6977	[5543, 10011]	10448	[12515, 12516]
36	[73, 74]	3507	[200, 57]	6978	[10012, 10013]	10449	[6436, 11788]
37	[75, 76]	3508	[6056, 6057]	6979	[10014, 10015]	10450	[12487, 12014]
38	[77, 78]	3509	[6058, 6059]	6980	[9202, 4020]	10451	[11725, 7760]
39	[79, 80]	3510	[6060, 6061]	6981	[1555, 10016]	10452	[572, 567]
40	[81, 82]	3511	[136, 6062]	6982	[9278, 10017]	10453	[2450, 8352]
41	[83, 84]	3512	[3253, 6063]	6983	[10018, 4146]	10454	[7104, 3288]
42	[85, 86]	3513	[6064, 2777]	6984	[3911, 10019]	10455	[12517, 7781]
43	[87, 88]	3514	[6065, 543]	6985	[10020, 10021]	10456	[6391, 8068]
44	[89, 90]	3515	[6066, 6067]	6986	[4345, 8612]	10457	[8323, 6463]
45	[91, 92]	3516	[2112, 5986]	6987	[10022, 10023]	10458	[6884, 2616]
46	[93, 94]	3517	[765, 6056]	6988	[10024, 10025]	10459	[6090, 12518]
47	[95, 96]	3518	[702, 206]	6989	[10026, 10027]	10460	[12519, 12520]
48	[97, 98]	3519	[6068, 6069]	6990	[10028, 10029]	10461	[7909, 1869]
49	[99, 100]	3520	[6070, 6071]	6991	[10030, 10031]	10462	[7287, 6670]
50	[101, 102]	3521	[6072, 6073]	6992	[8630, 10032]	10463	[8066, 2251]
51	[103, 104]	3522	[5953, 6074]	6993	[10033, 10034]	10464	[707, 7715]
52	[105, 106]	3523	[857, 6075]	6994	[10035, 5115]	10465	[799, 3317]
53	[107, 108]	3524	[6076, 6077]	6995	[10036, 10037]	10466	[12521, 12522]
54	[109, 110]	3525	[6078, 6079]	6996	[10038, 10039]	10467	[2690, 2922]
55	[111, 112]	3526	[6080, 2673]	6997	[10040, 10041]	10468	[2193, 7690]
56	[113, 114]	3527	[6081, 6082]	6998	[9650, 10042]	10469	[2363, 12489]
57	[115, 116]	3528	[6083, 1935]	6999	[10043, 10044]	10470	[7967, 11899]
58	[117, 118]	3529	[1881, 6084]	7000	[4092, 10045]	10471	[2700, 2123]
59	[119, 120]	3530	[6085, 6086]	7001	[371, 10046]	10472	[1926, 701]
60	[121, 122]	3531	[2159, 6087]	7002	[10047, 10048]	10473	[11900, 7287]
61	[123, 124]	3532	[6088, 6089]	7003	[10049, 10050]	10474	[7013, 7272]
62	[125, 126]	3533	[6090, 6091]	7004	[10051, 3596]	10475	[6765, 797]
63	[127, 128]	3534	[6092, 6093]	7005	[1448, 10052]	10476	[8432, 12523]
64	[129, 130]	3535	[679, 6094]	7006	[4729, 8680]	10477	[6970, 12108]
65	[131, 132]	3536	[6095, 6096]	7007	[9594, 3528]	10478	[8174, 12524]
66	[133, 134]	3537	[6097, 6098]	7008	[10053, 10054]	10479	[12525, 6325]
67	[135, 136]	3538	[1999, 6099]	7009	[10055, 10056]	10480	[11691, 12033]
68	[137, 138]	3539	[3147, 6100]	7010	[8932, 10057]	10481	[3270, 12258]
69	[139, 140]	3540	[6101, 2598]	7011	[9201, 10058]	10482	[12526, 12527]
70	[141, 142]	3541	[6102, 6103]	7012	[10059, 10060]	10483	[7475, 2700]
71	[143, 144]	3542	[6104, 6105]	7013	[10061, 10062]	10484	[6825, 6835]
72	[145, 146]	3543	[578, 6106]	7014	[10063, 3585]	10485	[7299, 12528]
73	[147, 148]	3544	[6107, 6108]	7015	[3409, 1153]	10486	[12529, 7932]
74	[149, 150]	3545	[6109, 6110]	7016	[10064, 101]	10487	[7375, 11749]
75	[151, 152]	3546	[3246, 2807]	7017	[10065, 10066]	10488	[1865, 134]
76	[153, 154]	3547	[6111, 6112]	7018	[10067, 10068]	10489	[12530, 2061]
77	[155, 156]	3548	[6113, 6114]	7019	[10069, 8599]	10490	[6740, 12531]

78	[157, 158]	3549	[6115, 1996]	7020	[10070, 9936]	10491	[48, 8066]
79	[159, 160]	3550	[656, 6116]	7021	[10071, 9612]	10492	[2780, 7713]
80	[161, 162]	3551	[2656, 847]	7022	[10072, 4745]	10493	[11626, 12532]
81	[163, 164]	3552	[6117, 6118]	7023	[10073, 10074]	10494	[2242, 7856]
82	[165, 166]	3553	[6119, 6120]	7024	[10075, 10076]	10495	[802, 8282]
83	[167, 168]	3554	[6121, 6122]	7025	[4838, 10077]	10496	[12168, 12533]
84	[169, 170]	3555	[6123, 6124]	7026	[1438, 4911]	10497	[11836, 12534]
85	[171, 172]	3556	[6125, 6126]	7027	[5154, 10078]	10498	[2584, 8341]
86	[173, 174]	3557	[6127, 6128]	7028	[10079, 10080]	10499	[7167, 8339]
87	[175, 176]	3558	[6073, 6129]	7029	[10081, 4594]	10500	[504, 12277]
88	[177, 178]	3559	[6130, 6131]	7030	[10082, 1536]	10501	[3264, 12535]
89	[179, 180]	3560	[6132, 6133]	7031	[10017, 10083]	10502	[5889, 2442]
90	[181, 182]	3561	[5969, 2609]	7032	[10084, 10085]	10503	[2460, 12536]
91	[183, 184]	3562	[6134, 6135]	7033	[3923, 1244]	10504	[3309, 743]
92	[185, 186]	3563	[6136, 5861]	7034	[10086, 10087]	10505	[7599, 12245]
93	[187, 188]	3564	[3234, 6137]	7035	[10088, 10089]	10506	[12537, 12087]
94	[189, 190]	3565	[6138, 3010]	7036	[10090, 1625]	10507	[2163, 181]
95	[191, 192]	3566	[831, 5859]	7037	[10091, 10092]	10508	[6303, 246]
96	[10, 193]	3567	[6139, 6140]	7038	[10093, 10094]	10509	[8338, 2972]
97	[194, 195]	3568	[916, 6141]	7039	[10095, 8807]	10510	[6162, 2716]
98	[196, 197]	3569	[6142, 6143]	7040	[10096, 8896]	10511	[142, 12538]
99	[198, 199]	3570	[6144, 2659]	7041	[10097, 10098]	10512	[3183, 6036]
100	[200, 128]	3571	[6145, 6146]	7042	[1575, 10099]	10513	[12043, 6637]
101	[201, 202]	3572	[2251, 2634]	7043	[10100, 10101]	10514	[6078, 851]
102	[203, 204]	3573	[6147, 1995]	7044	[5220, 10102]	10515	[12085, 7235]
103	[205, 206]	3574	[6148, 6149]	7045	[10103, 10104]	10516	[12280, 2267]
104	[207, 208]	3575	[6150, 6151]	7046	[5764, 10105]	10517	[2818, 650]
105	[209, 210]	3576	[6152, 6153]	7047	[10106, 10107]	10518	[12539, 12540]
106	[211, 212]	3577	[5918, 6154]	7048	[10108, 10109]	10519	[12541, 12523]
107	[213, 214]	3578	[6155, 6156]	7049	[10110, 9896]	10520	[7951, 1960]
108	[215, 216]	3579	[6157, 3098]	7050	[8600, 9116]	10521	[12542, 7844]
109	[217, 218]	3580	[3057, 753]	7051	[10111, 10112]	10522	[52, 8406]
110	[219, 220]	3581	[6158, 1886]	7052	[4580, 10113]	10523	[8087, 2966]
111	[221, 222]	3582	[6159, 6160]	7053	[108, 4887]	10524	[6094, 12132]
112	[223, 224]	3583	[6161, 6162]	7054	[416, 10114]	10525	[7531, 7923]
113	[225, 226]	3584	[5962, 6163]	7055	[9106, 3678]	10526	[6122, 11592]
114	[227, 228]	3585	[3033, 2641]	7056	[10115, 10116]	10527	[12543, 8074]
115	[229, 230]	3586	[2628, 6164]	7057	[10117, 10118]	10528	[12544, 2671]
116	[231, 232]	3587	[6165, 2180]	7058	[9472, 10119]	10529	[12453, 7920]
117	[233, 34]	3588	[6166, 6167]	7059	[10120, 5698]	10530	[3085, 8046]
118	[234, 235]	3589	[6168, 6169]	7060	[8530, 10121]	10531	[7480, 8446]
119	[236, 237]	3590	[6170, 556]	7061	[10122, 253]	10532	[167, 6216]
120	[238, 239]	3591	[3082, 6171]	7062	[10123, 10124]	10533	[12173, 11833]
121	[240, 241]	3592	[6172, 6173]	7063	[10125, 10126]	10534	[12112, 12340]

122	[242, 243]	3593	[6174, 6175]	7064	[10127, 10128]	10535	[653, 564]
123	[244, 245]	3594	[6176, 2473]	7065	[8861, 10129]	10536	[8131, 7850]
124	[246, 247]	3595	[5885, 6177]	7066	[10130, 1728]	10537	[1997, 8306]
125	[248, 249]	3596	[6178, 6179]	7067	[4719, 10131]	10538	[12545, 53]
126	[250, 251]	3597	[6180, 2629]	7068	[10132, 10133]	10539	[11584, 787]
127	[252, 253]	3598	[6181, 6182]	7069	[10134, 10135]	10540	[2367, 6658]
128	[254, 255]	3599	[6183, 6184]	7070	[10136, 9381]	10541	[7852, 7202]
129	[256, 257]	3600	[6185, 6186]	7071	[10137, 9382]	10542	[12404, 6784]
130	[258, 259]	3601	[2114, 1882]	7072	[4503, 5714]	10543	[12546, 2058]
131	[260, 261]	3602	[6187, 6188]	7073	[1662, 10138]	10544	[2960, 3014]
132	[262, 263]	3603	[2013, 6189]	7074	[10139, 10140]	10545	[6917, 6708]
133	[264, 265]	3604	[6190, 6191]	7075	[10141, 10142]	10546	[12053, 38]
134	[266, 267]	3605	[6192, 6193]	7076	[10143, 1368]	10547	[5946, 12547]
135	[268, 269]	3606	[2360, 5858]	7077	[10144, 10145]	10548	[12371, 2440]
136	[270, 271]	3607	[5865, 6194]	7078	[10146, 10147]	10549	[12548, 2908]
137	[82, 272]	3608	[6195, 2998]	7079	[10148, 9103]	10550	[6302, 11621]
138	[273, 274]	3609	[6196, 6197]	7080	[10149, 9194]	10551	[7460, 12549]
139	[275, 276]	3610	[6198, 6199]	7081	[1713, 10150]	10552	[12550, 6278]
140	[277, 278]	3611	[3115, 6200]	7082	[10151, 10152]	10553	[7035, 6156]
141	[279, 280]	3612	[760, 6201]	7083	[10153, 8905]	10554	[12551, 2491]
142	[281, 282]	3613	[3055, 6202]	7084	[10154, 10155]	10555	[8313, 11900]
143	[283, 284]	3614	[6203, 6204]	7085	[10156, 10157]	10556	[2370, 2957]
144	[285, 286]	3615	[6205, 226]	7086	[10158, 10159]	10557	[12552, 5884]
145	[287, 288]	3616	[44, 6206]	7087	[4622, 10160]	10558	[8359, 12052]
146	[289, 290]	3617	[6207, 2718]	7088	[9509, 10161]	10559	[6553, 12018]
147	[291, 292]	3618	[145, 6208]	7089	[10162, 10163]	10560	[6136, 6745]
148	[293, 294]	3619	[6209, 6210]	7090	[10164, 4597]	10561	[12553, 12183]
149	[295, 296]	3620	[6211, 6212]	7091	[8566, 10165]	10562	[3259, 7011]
150	[297, 298]	3621	[6213, 6214]	7092	[10166, 10167]	10563	[12554, 2383]
151	[299, 300]	3622	[6215, 6216]	7093	[4950, 10168]	10564	[818, 8338]
152	[301, 302]	3623	[6217, 6218]	7094	[10169, 10170]	10565	[8305, 42]
153	[303, 304]	3624	[6219, 2007]	7095	[10171, 10172]	10566	[8059, 691]
154	[305, 306]	3625	[6220, 6221]	7096	[10173, 4263]	10567	[947, 6469]
155	[307, 308]	3626	[6222, 6223]	7097	[10174, 10175]	10568	[7271, 12555]
156	[309, 310]	3627	[5896, 6224]	7098	[5312, 363]	10569	[7014, 1989]
157	[311, 312]	3628	[6225, 6226]	7099	[4716, 10176]	10570	[2780, 12556]
158	[313, 314]	3629	[6227, 6228]	7100	[10177, 1564]	10571	[12241, 12557]
159	[315, 316]	3630	[6229, 2712]	7101	[10178, 4249]	10572	[8042, 7338]
160	[317, 318]	3631	[2879, 6155]	7102	[10179, 10180]	10573	[12558, 7844]
161	[319, 320]	3632	[6230, 6184]	7103	[10181, 10182]	10574	[12559, 2545]
162	[321, 322]	3633	[6231, 6232]	7104	[10183, 9638]	10575	[12116, 959]
163	[323, 324]	3634	[6233, 6234]	7105	[10184, 10185]	10576	[12560, 12449]
164	[325, 326]	3635	[1874, 6235]	7106	[1794, 9183]	10577	[12561, 2010]
165	[327, 328]	3636	[620, 3176]	7107	[10186, 10187]	10578	[6129, 11640]

166	[329, 330]	3637	[622, 6236]	7108	[10188, 9339]	10579	[3334, 12330]
167	[331, 332]	3638	[6237, 2278]	7109	[10189, 10190]	10580	[2444, 7813]
168	[333, 334]	3639	[6238, 50]	7110	[9965, 5056]	10581	[12562, 2104]
169	[335, 336]	3640	[6239, 6240]	7111	[9076, 4885]	10582	[11872, 6139]
170	[337, 338]	3641	[6241, 6242]	7112	[4011, 10191]	10583	[11907, 8115]
171	[339, 340]	3642	[3186, 6243]	7113	[10192, 1690]	10584	[12563, 2988]
172	[341, 342]	3643	[6244, 6237]	7114	[10193, 10194]	10585	[832, 3309]
173	[343, 344]	3644	[2920, 6245]	7115	[5762, 10195]	10586	[8222, 3313]
174	[345, 346]	3645	[6246, 2279]	7116	[10196, 1325]	10587	[12228, 12469]
175	[347, 348]	3646	[6247, 6248]	7117	[1211, 3959]	10588	[7158, 12564]
176	[349, 350]	3647	[6249, 2057]	7118	[10197, 9054]	10589	[11977, 2145]
177	[351, 352]	3648	[2059, 2287]	7119	[10114, 10198]	10590	[6716, 7411]
178	[353, 354]	3649	[45, 2579]	7120	[10199, 10200]	10591	[8337, 2971]
179	[355, 356]	3650	[2900, 6250]	7121	[10201, 8949]	10592	[12565, 6491]
180	[357, 358]	3651	[190, 713]	7122	[5242, 5353]	10593	[1857, 61]
181	[359, 360]	3652	[6251, 6252]	7123	[10202, 10203]	10594	[12566, 11556]
182	[361, 362]	3653	[6253, 2792]	7124	[8938, 8629]	10595	[2978, 7275]
183	[363, 364]	3654	[6254, 6255]	7125	[9643, 10204]	10596	[5997, 858]
184	[362, 365]	3655	[5970, 6256]	7126	[3660, 3530]	10597	[682, 2550]
185	[366, 367]	3656	[6257, 6258]	7127	[8754, 5428]	10598	[3001, 2503]
186	[368, 369]	3657	[2264, 6259]	7128	[4752, 10205]	10599	[3124, 631]
187	[370, 371]	3658	[6260, 6261]	7129	[9647, 9789]	10600	[8173, 2936]
188	[372, 373]	3659	[6262, 929]	7130	[10206, 1714]	10601	[2049, 3044]
189	[374, 375]	3660	[6263, 2159]	7131	[10207, 10208]	10602	[12567, 11602]
190	[376, 377]	3661	[6264, 6265]	7132	[10209, 10210]	10603	[7147, 5927]
191	[378, 379]	3662	[750, 6266]	7133	[10211, 10212]	10604	[700, 1927]
192	[380, 381]	3663	[6267, 2619]	7134	[10213, 10214]	10605	[5985, 12568]
193	[382, 383]	3664	[6268, 6269]	7135	[9394, 4989]	10606	[6066, 6633]
194	[384, 385]	3665	[3159, 6270]	7136	[10215, 10216]	10607	[8352, 7086]
195	[386, 387]	3666	[6271, 1902]	7137	[10217, 10218]	10608	[12002, 12479]
196	[388, 389]	3667	[2457, 5823]	7138	[5466, 8787]	10609	[12569, 12570]
197	[390, 391]	3668	[6272, 6273]	7139	[10219, 10220]	10610	[6500, 12493]
198	[392, 393]	3669	[6274, 2591]	7140	[10221, 10222]	10611	[12519, 12571]
199	[394, 395]	3670	[6275, 6276]	7141	[10223, 10224]	10612	[12572, 12573]
200	[396, 117]	3671	[6277, 6278]	7142	[3732, 9719]	10613	[12208, 1857]
201	[397, 398]	3672	[6067, 6279]	7143	[10225, 9722]	10614	[12574, 511]
202	[399, 400]	3673	[6280, 6281]	7144	[10226, 1843]	10615	[12529, 630]
203	[401, 402]	3674	[6282, 6283]	7145	[10227, 10228]	10616	[12575, 719]
204	[403, 404]	3675	[6284, 6285]	7146	[10229, 10230]	10617	[12485, 3298]
205	[405, 406]	3676	[6286, 6287]	7147	[8628, 10231]	10618	[12576, 12577]
206	[407, 408]	3677	[6288, 2502]	7148	[10232, 9855]	10619	[7115, 8368]
207	[409, 410]	3678	[6289, 234]	7149	[395, 8826]	10620	[2146, 8147]
208	[411, 412]	3679	[6290, 2903]	7150	[10233, 10234]	10621	[11919, 12578]
209	[413, 414]	3680	[2570, 6291]	7151	[10235, 4713]	10622	[12198, 2489]

210	[415, 416]	3681	[6292, 3116]	7152	[974, 9420]	10623	[12233, 6938]
211	[417, 418]	3682	[6293, 6294]	7153	[10236, 4662]	10624	[5955, 12557]
212	[419, 420]	3683	[6295, 6296]	7154	[10237, 10238]	10625	[7908, 1991]
213	[421, 422]	3684	[1893, 6297]	7155	[10239, 9569]	10626	[12579, 7910]
214	[423, 424]	3685	[6298, 6299]	7156	[10240, 10241]	10627	[12580, 6873]
215	[425, 426]	3686	[6300, 827]	7157	[10242, 10243]	10628	[12256, 8209]
216	[427, 428]	3687	[2524, 6301]	7158	[10244, 10245]	10629	[8420, 6815]
217	[429, 430]	3688	[903, 247]	7159	[10246, 1267]	10630	[12581, 2976]
218	[431, 432]	3689	[6302, 2477]	7160	[10247, 10248]	10631	[203, 5881]
219	[433, 434]	3690	[6303, 903]	7161	[1834, 10249]	10632	[11856, 6014]
220	[435, 436]	3691	[6304, 6305]	7162	[5650, 10250]	10633	[12384, 11885]
221	[437, 438]	3692	[3298, 6306]	7163	[5545, 4613]	10634	[12068, 2558]
222	[439, 440]	3693	[6307, 6308]	7164	[4943, 1451]	10635	[8345, 7846]
223	[441, 442]	3694	[6309, 6310]	7165	[1232, 10251]	10636	[2376, 12582]
224	[443, 444]	3695	[6311, 620]	7166	[10252, 3646]	10637	[931, 12583]
225	[445, 397]	3696	[3171, 6312]	7167	[10253, 5080]	10638	[2244, 12584]
226	[446, 447]	3697	[6313, 6314]	7168	[10254, 10255]	10639	[7449, 11578]
227	[448, 449]	3698	[6315, 6316]	7169	[10256, 9926]	10640	[8447, 12531]
228	[450, 451]	3699	[609, 6317]	7170	[9427, 10257]	10641	[12567, 12085]
229	[452, 453]	3700	[6318, 6319]	7171	[10258, 8964]	10642	[2704, 12234]
230	[454, 455]	3701	[6320, 6321]	7172	[10259, 10260]	10643	[7078, 7583]
231	[456, 457]	3702	[6322, 6323]	7173	[10261, 10262]	10644	[2936, 8015]
232	[458, 459]	3703	[6324, 6325]	7174	[10263, 9717]	10645	[12585, 12586]
233	[460, 461]	3704	[6326, 6327]	7175	[1493, 10225]	10646	[12587, 12376]
234	[462, 463]	3705	[2979, 6328]	7176	[5185, 10264]	10647	[6381, 11760]
235	[464, 465]	3706	[6329, 6330]	7177	[3370, 10265]	10648	[12588, 11928]
236	[466, 467]	3707	[602, 578]	7178	[10266, 5225]	10649	[8177, 7498]
237	[468, 469]	3708	[6331, 6332]	7179	[10152, 10267]	10650	[2412, 6458]
238	[76, 470]	3709	[6333, 6334]	7180	[10224, 4306]	10651	[7948, 797]
239	[471, 472]	3710	[6335, 6336]	7181	[1230, 10268]	10652	[3210, 12412]
240	[473, 474]	3711	[6337, 772]	7182	[10269, 5460]	10653	[7726, 12589]
241	[475, 476]	3712	[6338, 6339]	7183	[10270, 10271]	10654	[882, 147]
242	[477, 478]	3713	[6340, 6341]	7184	[10272, 1008]	10655	[7712, 12590]
243	[479, 405]	3714	[6194, 6342]	7185	[10273, 10274]	10656	[6870, 2401]
244	[480, 481]	3715	[2395, 204]	7186	[10176, 10275]	10657	[11931, 2227]
245	[482, 483]	3716	[6343, 2531]	7187	[4150, 10276]	10658	[7884, 12313]
246	[484, 485]	3717	[676, 6344]	7188	[10277, 10278]	10659	[12591, 12449]
247	[486, 487]	3718	[6345, 6346]	7189	[10279, 10280]	10660	[12301, 6445]
248	[488, 489]	3719	[6347, 6348]	7190	[9964, 10281]	10661	[12504, 12592]
249	[490, 491]	3720	[528, 6349]	7191	[4867, 10282]	10662	[6762, 12179]
250	[492, 493]	3721	[6350, 6351]	7192	[4099, 9306]	10663	[7947, 506]
251	[494, 495]	3722	[6352, 6353]	7193	[3791, 9107]	10664	[8419, 6814]
252	[496, 497]	3723	[5910, 6354]	7194	[10283, 69]	10665	[7906, 2356]
253	[498, 499]	3724	[6355, 6356]	7195	[9133, 3373]	10666	[168, 6837]

254	[500, 501]	3725	[6357, 6358]	7196	[4214, 1685]	10667	[11576, 12532]
255	[502, 503]	3726	[6359, 923]	7197	[326, 10284]	10668	[7305, 721]
256	[504, 505]	3727	[6360, 6022]	7198	[10285, 10286]	10669	[5935, 12292]
257	[506, 507]	3728	[2409, 6361]	7199	[1411, 10287]	10670	[12593, 7781]
258	[508, 509]	3729	[6362, 6363]	7200	[1729, 10288]	10671	[12468, 12594]
259	[510, 511]	3730	[6364, 6365]	7201	[9470, 10289]	10672	[6853, 7104]
260	[512, 513]	3731	[6366, 6367]	7202	[10290, 10291]	10673	[12595, 6283]
261	[514, 60]	3732	[3167, 6368]	7203	[1481, 1679]	10674	[6732, 12596]
262	[515, 516]	3733	[6369, 6370]	7204	[8971, 10292]	10675	[2477, 6340]
263	[517, 518]	3734	[651, 218]	7205	[10293, 10294]	10676	[33, 2588]
264	[519, 520]	3735	[6371, 6137]	7206	[10295, 1392]	10677	[12597, 12527]
265	[521, 522]	3736	[6372, 3077]	7207	[10296, 10297]	10678	[11697, 3232]
266	[523, 524]	3737	[6373, 6374]	7208	[10298, 4108]	10679	[11865, 2091]
267	[525, 526]	3738	[734, 568]	7209	[10299, 5561]	10680	[8043, 6121]
268	[527, 528]	3739	[6375, 6272]	7210	[10300, 4630]	10681	[6922, 6800]
269	[529, 530]	3740	[2423, 6376]	7211	[10301, 10302]	10682	[6461, 6710]
270	[531, 532]	3741	[2083, 6377]	7212	[10303, 8661]	10683	[7683, 3157]
271	[533, 534]	3742	[6378, 6379]	7213	[9043, 10258]	10684	[12428, 131]
272	[535, 536]	3743	[6380, 2345]	7214	[126, 10304]	10685	[7374, 12598]
273	[537, 538]	3744	[6381, 6382]	7215	[1703, 10305]	10686	[8012, 7764]
274	[539, 540]	3745	[3310, 6383]	7216	[10306, 4094]	10687	[3062, 12599]
275	[541, 542]	3746	[6384, 6385]	7217	[9175, 10307]	10688	[12065, 12063]
276	[543, 544]	3747	[6386, 6387]	7218	[4422, 10308]	10689	[12085, 3049]
277	[545, 546]	3748	[6388, 6389]	7219	[10309, 10310]	10690	[6788, 12600]
278	[547, 548]	3749	[6265, 6390]	7220	[10311, 1663]	10691	[2978, 6306]
279	[549, 199]	3750	[6391, 6392]	7221	[3593, 1576]	10692	[12467, 8201]
280	[550, 551]	3751	[6393, 1955]	7222	[10312, 3414]	10693	[12601, 3039]
281	[552, 553]	3752	[6394, 2379]	7223	[10313, 10189]	10694	[7764, 12511]
282	[554, 555]	3753	[2223, 2318]	7224	[10314, 10315]	10695	[12602, 775]
283	[556, 557]	3754	[850, 6079]	7225	[5512, 121]	10696	[2929, 11944]
284	[558, 559]	3755	[6217, 6395]	7226	[10316, 1486]	10697	[6572, 3164]
285	[560, 561]	3756	[6396, 2424]	7227	[9842, 5767]	10698	[8008, 649]
286	[562, 563]	3757	[6397, 6398]	7228	[1612, 10317]	10699	[129, 11741]
287	[564, 565]	3758	[6399, 6400]	7229	[10318, 10319]	10700	[6180, 6164]
288	[566, 567]	3759	[6401, 2726]	7230	[10320, 1286]	10701	[12603, 12604]
289	[568, 569]	3760	[6402, 727]	7231	[447, 10321]	10702	[1859, 12605]
290	[570, 571]	3761	[5876, 6403]	7232	[10322, 10323]	10703	[6430, 8159]
291	[572, 573]	3762	[6404, 6405]	7233	[10324, 4957]	10704	[12606, 6576]
292	[574, 575]	3763	[6406, 6236]	7234	[10325, 10326]	10705	[8125, 7480]
293	[576, 577]	3764	[6407, 6408]	7235	[10327, 9312]	10706	[7974, 6254]
294	[578, 579]	3765	[2699, 852]	7236	[10328, 9689]	10707	[11908, 6603]
295	[580, 581]	3766	[6409, 2071]	7237	[9085, 5757]	10708	[2214, 7515]
296	[582, 583]	3767	[6410, 2987]	7238	[10329, 4104]	10709	[11785, 3274]
297	[584, 585]	3768	[6411, 6412]	7239	[10330, 8573]	10710	[6310, 3209]

298	[586, 587]	3769	[6413, 677]	7240	[9716, 5199]	10711	[2434, 12559]
299	[588, 589]	3770	[6414, 6415]	7241	[10331, 477]	10712	[8312, 12607]
300	[590, 591]	3771	[6416, 6417]	7242	[5037, 10332]	10713	[12608, 865]
301	[235, 592]	3772	[6418, 6419]	7243	[10333, 5210]	10714	[570, 11969]
302	[593, 594]	3773	[6420, 2407]	7244	[10334, 10009]	10715	[12269, 7811]
303	[595, 596]	3774	[6421, 6422]	7245	[10335, 10336]	10716	[6474, 2333]
304	[597, 598]	3775	[6423, 2306]	7246	[10337, 10338]	10717	[11924, 12609]
305	[599, 600]	3776	[6424, 6425]	7247	[9955, 10339]	10718	[929, 6107]
306	[601, 602]	3777	[6426, 6427]	7248	[10340, 10341]	10719	[7473, 2246]
307	[603, 604]	3778	[6428, 6429]	7249	[1772, 10342]	10720	[12606, 7316]
308	[605, 606]	3779	[6430, 6431]	7250	[10343, 9295]	10721	[5959, 2573]
309	[607, 608]	3780	[6432, 2616]	7251	[10344, 10345]	10722	[7352, 8420]
310	[609, 610]	3781	[6433, 6434]	7252	[10346, 10347]	10723	[6517, 724]
311	[611, 612]	3782	[6232, 6435]	7253	[10348, 10349]	10724	[12434, 941]
312	[613, 614]	3783	[6436, 6437]	7254	[10350, 10351]	10725	[2895, 2029]
313	[615, 616]	3784	[6438, 6439]	7255	[10352, 10353]	10726	[12610, 12015]
314	[617, 618]	3785	[3205, 6440]	7256	[3748, 10354]	10727	[2617, 12492]
315	[619, 620]	3786	[6441, 6442]	7257	[10355, 10356]	10728	[12186, 7076]
316	[621, 622]	3787	[2121, 1873]	7258	[9269, 10357]	10729	[12548, 5961]
317	[623, 624]	3788	[2236, 6443]	7259	[9910, 10358]	10730	[52, 6443]
318	[625, 626]	3789	[6444, 6445]	7260	[10255, 4288]	10731	[11540, 1880]
319	[627, 628]	3790	[2022, 2483]	7261	[10359, 9140]	10732	[11670, 220]
320	[629, 630]	3791	[3142, 6446]	7262	[5201, 10360]	10733	[11853, 7648]
321	[631, 632]	3792	[3110, 6447]	7263	[9570, 9439]	10734	[7043, 12611]
322	[633, 634]	3793	[5859, 6448]	7264	[9548, 10361]	10735	[3262, 8055]
323	[635, 636]	3794	[6449, 3010]	7265	[10362, 10363]	10736	[6317, 12612]
324	[637, 638]	3795	[2303, 6450]	7266	[4485, 10364]	10737	[12317, 12594]
325	[639, 640]	3796	[6451, 6452]	7267	[10365, 10366]	10738	[2054, 6958]
326	[641, 642]	3797	[6453, 6454]	7268	[9651, 10367]	10739	[11694, 3007]
327	[643, 644]	3798	[6455, 11]	7269	[10357, 10368]	10740	[12563, 6972]
328	[645, 646]	3799	[6456, 6457]	7270	[10369, 10370]	10741	[1899, 11824]
329	[647, 648]	3800	[5842, 6458]	7271	[5397, 10371]	10742	[12613, 2899]
330	[649, 650]	3801	[6459, 530]	7272	[10060, 10372]	10743	[2019, 12614]
331	[651, 652]	3802	[6460, 6461]	7273	[10373, 10374]	10744	[3104, 3179]
332	[653, 654]	3803	[6462, 6463]	7274	[5012, 8492]	10745	[11850, 7975]
333	[655, 656]	3804	[6464, 2377]	7275	[10375, 10376]	10746	[7488, 1936]
334	[657, 658]	3805	[6465, 6228]	7276	[9765, 10377]	10747	[7704, 7685]
335	[659, 660]	3806	[6466, 3024]	7277	[5276, 10378]	10748	[1898, 11823]
336	[661, 662]	3807	[6467, 3093]	7278	[10379, 3673]	10749	[12432, 7350]
337	[177, 663]	3808	[6468, 6469]	7279	[10380, 3968]	10750	[6178, 6809]
338	[664, 665]	3809	[6470, 6471]	7280	[5112, 10381]	10751	[12615, 6934]
339	[666, 667]	3810	[6472, 2006]	7281	[10382, 10383]	10752	[8453, 12616]
340	[668, 669]	3811	[2948, 6473]	7282	[10384, 9172]	10753	[12617, 6016]
341	[670, 671]	3812	[6474, 6475]	7283	[10385, 1552]	10754	[12618, 12321]

342	[672, 673]	3813	[6476, 6477]	7284	[9611, 9932]	10755	[12619, 3047]
343	[674, 675]	3814	[2118, 6478]	7285	[1750, 5313]	10756	[12595, 8028]
344	[676, 677]	3815	[6479, 6480]	7286	[10386, 10387]	10757	[7804, 722]
345	[678, 679]	3816	[6481, 6482]	7287	[4031, 468]	10758	[7806, 7146]
346	[680, 681]	3817	[2725, 1936]	7288	[10168, 10388]	10759	[7046, 11738]
347	[682, 683]	3818	[2100, 2435]	7289	[10389, 10390]	10760	[12620, 8039]
348	[684, 685]	3819	[2104, 6483]	7290	[10391, 10392]	10761	[7141, 7179]
349	[686, 687]	3820	[6484, 6485]	7291	[9541, 10393]	10762	[6241, 12097]
350	[688, 689]	3821	[2254, 3109]	7292	[10394, 3543]	10763	[11916, 12032]
351	[690, 691]	3822	[6486, 6487]	7293	[8831, 1519]	10764	[5961, 6804]
352	[692, 693]	3823	[6488, 6489]	7294	[10395, 8539]	10765	[12621, 674]
353	[694, 695]	3824	[6490, 6197]	7295	[9525, 4473]	10766	[12622, 6489]
354	[696, 697]	3825	[6491, 6128]	7296	[10396, 5656]	10767	[6001, 3130]
355	[698, 699]	3826	[6492, 888]	7297	[10397, 4724]	10768	[8245, 2352]
356	[700, 701]	3827	[2656, 2074]	7298	[5343, 1058]	10769	[12326, 7378]
357	[702, 703]	3828	[2122, 6493]	7299	[1249, 4687]	10770	[12623, 12624]
358	[704, 705]	3829	[6494, 6495]	7300	[10398, 10399]	10771	[12118, 3256]
359	[706, 707]	3830	[529, 6496]	7301	[10400, 10401]	10772	[6172, 12625]
360	[708, 709]	3831	[6271, 6447]	7302	[10402, 10403]	10773	[6838, 2638]
361	[710, 711]	3832	[6497, 6498]	7303	[10404, 10405]	10774	[11864, 11735]
362	[712, 713]	3833	[6499, 2197]	7304	[10406, 10407]	10775	[7560, 12626]
363	[714, 715]	3834	[6500, 919]	7305	[10408, 1394]	10776	[7183, 12567]
364	[716, 717]	3835	[1885, 6501]	7306	[10409, 3940]	10777	[11831, 2342]
365	[711, 718]	3836	[6502, 6426]	7307	[10410, 10411]	10778	[6432, 6885]
366	[719, 720]	3837	[6503, 6504]	7308	[5016, 10412]	10779	[7087, 12196]
367	[721, 722]	3838	[6505, 6506]	7309	[5622, 5317]	10780	[11698, 6569]
368	[723, 724]	3839	[5831, 6507]	7310	[10413, 9268]	10781	[12627, 7810]
369	[725, 726]	3840	[6508, 6509]	7311	[1262, 10414]	10782	[2414, 2865]
370	[727, 728]	3841	[6419, 6510]	7312	[10415, 10416]	10783	[7812, 12210]
371	[729, 601]	3842	[6511, 6512]	7313	[5464, 10417]	10784	[2433, 3000]
372	[730, 731]	3843	[6513, 2452]	7314	[10418, 8593]	10785	[12145, 2846]
373	[732, 733]	3844	[6514, 697]	7315	[10419, 10420]	10786	[3086, 5945]
374	[734, 735]	3845	[3112, 6515]	7316	[10421, 8607]	10787	[11683, 528]
375	[736, 737]	3846	[6516, 865]	7317	[8853, 3362]	10788	[11984, 668]
376	[738, 739]	3847	[6517, 6518]	7318	[346, 4335]	10789	[12628, 12629]
377	[740, 741]	3848	[8, 6519]	7319	[10422, 10423]	10790	[11846, 12630]
378	[742, 743]	3849	[10, 6520]	7320	[10424, 10425]	10791	[12170, 3226]
379	[744, 745]	3850	[6521, 6522]	7321	[5637, 10426]	10792	[6681, 11968]
380	[746, 747]	3851	[6523, 6524]	7322	[10427, 10428]	10793	[3289, 12631]
381	[748, 749]	3852	[6525, 6526]	7323	[8554, 1526]	10794	[7071, 6486]
382	[750, 751]	3853	[2095, 6527]	7324	[10429, 10430]	10795	[7868, 12466]
383	[752, 753]	3854	[6528, 6529]	7325	[5274, 10431]	10796	[7452, 2528]
384	[754, 755]	3855	[2495, 6530]	7326	[10432, 10433]	10797	[7464, 12632]
385	[756, 757]	3856	[6476, 6531]	7327	[1643, 10434]	10798	[50, 12257]

386	[758, 759]	3857	[2496, 6532]	7328	[1498, 1732]	10799	[887, 7230]
387	[760, 761]	3858	[6533, 3239]	7329	[9130, 4806]	10800	[2292, 2011]
388	[646, 762]	3859	[6534, 6535]	7330	[4192, 5404]	10801	[6421, 7731]
389	[763, 764]	3860	[6536, 6495]	7331	[10435, 10436]	10802	[7409, 8114]
390	[765, 766]	3861	[731, 6537]	7332	[10437, 5023]	10803	[12633, 8356]
391	[767, 768]	3862	[5909, 579]	7333	[1523, 10438]	10804	[8205, 6582]
392	[769, 770]	3863	[6538, 6539]	7334	[1705, 10439]	10805	[2346, 12315]
393	[771, 727]	3864	[6540, 6149]	7335	[9758, 10440]	10806	[12634, 12604]
394	[772, 773]	3865	[6541, 6542]	7336	[8959, 8486]	10807	[6420, 2982]
395	[774, 775]	3866	[6543, 635]	7337	[1529, 10441]	10808	[2691, 6631]
396	[776, 234]	3867	[6544, 3009]	7338	[10442, 3412]	10809	[11719, 6646]
397	[777, 778]	3868	[6535, 6545]	7339	[10443, 5651]	10810	[7932, 12635]
398	[779, 780]	3869	[6546, 2312]	7340	[10021, 10444]	10811	[7791, 2800]
399	[781, 782]	3870	[6547, 6548]	7341	[3537, 10184]	10812	[12636, 2729]
400	[783, 784]	3871	[2834, 2444]	7342	[10445, 1302]	10813	[7584, 8005]
401	[785, 786]	3872	[810, 6549]	7343	[356, 1240]	10814	[11970, 7687]
402	[787, 788]	3873	[6550, 6023]	7344	[3565, 1637]	10815	[12259, 12637]
403	[667, 789]	3874	[6551, 6552]	7345	[5584, 10446]	10816	[7523, 11904]
404	[790, 791]	3875	[6553, 6554]	7346	[8995, 10447]	10817	[6192, 11882]
405	[792, 785]	3876	[2793, 6555]	7347	[10448, 9994]	10818	[11595, 12638]
406	[793, 794]	3877	[737, 6556]	7348	[10449, 9575]	10819	[7942, 12187]
407	[795, 796]	3878	[733, 6557]	7349	[4289, 10450]	10820	[12639, 11929]
408	[797, 798]	3879	[6273, 6558]	7350	[10451, 10452]	10821	[2510, 7385]
409	[799, 800]	3880	[6559, 6560]	7351	[10453, 10454]	10822	[11616, 2731]
410	[801, 802]	3881	[6561, 3123]	7352	[10455, 10456]	10823	[11838, 12303]
411	[803, 804]	3882	[6562, 2865]	7353	[4218, 10457]	10824	[2033, 180]
412	[805, 538]	3883	[132, 6563]	7354	[10458, 10459]	10825	[12640, 9]
413	[806, 807]	3884	[6564, 6565]	7355	[10460, 4506]	10826	[8079, 179]
414	[808, 809]	3885	[2503, 6232]	7356	[10461, 5423]	10827	[12204, 7317]
415	[191, 810]	3886	[6566, 6567]	7357	[10462, 10463]	10828	[7152, 12270]
416	[811, 812]	3887	[6568, 6160]	7358	[360, 10464]	10829	[7451, 12641]
417	[813, 814]	3888	[6126, 6569]	7359	[10465, 10466]	10830	[12642, 2925]
418	[815, 816]	3889	[6570, 6571]	7360	[1739, 10467]	10831	[2763, 12370]
419	[817, 818]	3890	[6572, 6573]	7361	[4464, 10400]	10832	[3043, 6087]
420	[819, 820]	3891	[2409, 6574]	7362	[10468, 9902]	10833	[12556, 8167]
421	[610, 821]	3892	[3277, 2488]	7363	[10469, 9170]	10834	[12643, 11931]
422	[822, 823]	3893	[6310, 6575]	7364	[10470, 1106]	10835	[12644, 671]
423	[824, 825]	3894	[5941, 6576]	7365	[4692, 1087]	10836	[6023, 874]
424	[826, 827]	3895	[2004, 6577]	7366	[10471, 10472]	10837	[12234, 12645]
425	[828, 829]	3896	[2856, 223]	7367	[10085, 10115]	10838	[628, 12127]
426	[830, 831]	3897	[6578, 6579]	7368	[10473, 9649]	10839	[11737, 11589]
427	[832, 742]	3898	[2623, 712]	7369	[9316, 1022]	10840	[12646, 7895]
428	[833, 834]	3899	[6580, 6581]	7370	[10474, 10475]	10841	[7863, 8014]
429	[835, 836]	3900	[6582, 159]	7371	[10476, 10477]	10842	[7652, 5901]

430	[539, 837]	3901	[6081, 6412]	7372	[10478, 8510]	10843	[7548, 2862]
431	[838, 839]	3902	[6583, 909]	7373	[10479, 10480]	10844	[12603, 12647]
432	[840, 841]	3903	[2492, 6584]	7374	[10481, 1122]	10845	[5972, 12648]
433	[842, 843]	3904	[6585, 6586]	7375	[10482, 10483]	10846	[2715, 6698]
434	[844, 845]	3905	[6587, 6588]	7376	[10484, 10485]	10847	[6616, 2876]
435	[846, 847]	3906	[6589, 6590]	7377	[10486, 4817]	10848	[12289, 7586]
436	[848, 849]	3907	[581, 6591]	7378	[316, 3636]	10849	[5988, 12649]
437	[850, 851]	3908	[6592, 6593]	7379	[10487, 10488]	10850	[5977, 12056]
438	[852, 853]	3909	[647, 6594]	7380	[10489, 8751]	10851	[12212, 3058]
439	[151, 854]	3910	[6595, 6596]	7381	[10490, 10491]	10852	[5846, 921]
440	[855, 856]	3911	[6597, 6598]	7382	[10492, 10106]	10853	[12400, 2064]
441	[857, 858]	3912	[6599, 1997]	7383	[10493, 4439]	10854	[12544, 7370]
442	[859, 860]	3913	[2439, 6600]	7384	[10494, 10495]	10855	[6898, 12650]
443	[861, 862]	3914	[6374, 6601]	7385	[10496, 1130]	10856	[11686, 11875]
444	[863, 864]	3915	[6602, 2113]	7386	[10497, 10498]	10857	[2575, 5994]
445	[865, 866]	3916	[6603, 3314]	7387	[10499, 10500]	10858	[7307, 2185]
446	[867, 868]	3917	[6604, 6605]	7388	[9628, 3930]	10859	[2248, 12000]
447	[869, 870]	3918	[6606, 6267]	7389	[10501, 8836]	10860	[11797, 8415]
448	[871, 872]	3919	[6607, 6608]	7390	[10502, 10503]	10861	[6773, 12443]
449	[873, 874]	3920	[6609, 6499]	7391	[10504, 10505]	10862	[818, 2971]
450	[875, 876]	3921	[6610, 3081]	7392	[10506, 10432]	10863	[5917, 574]
451	[877, 878]	3922	[6611, 6612]	7393	[10507, 89]	10864	[5857, 2891]
452	[879, 880]	3923	[6373, 6613]	7394	[4181, 10508]	10865	[6769, 1874]
453	[881, 882]	3924	[6614, 6615]	7395	[10509, 10510]	10866	[7567, 7136]
454	[883, 884]	3925	[6616, 6617]	7396	[1239, 10206]	10867	[7775, 12651]
455	[885, 886]	3926	[6618, 6619]	7397	[10291, 10511]	10868	[931, 12652]
456	[887, 888]	3927	[6620, 5947]	7398	[1581, 1227]	10869	[12621, 6753]
457	[889, 890]	3928	[6621, 1965]	7399	[10512, 10513]	10870	[2218, 686]
458	[891, 892]	3929	[2062, 6062]	7400	[10514, 10515]	10871	[11742, 6360]
459	[893, 894]	3930	[6089, 850]	7401	[10516, 9738]	10872	[6679, 12653]
460	[895, 896]	3931	[6622, 2479]	7402	[5268, 10517]	10873	[12654, 12110]
461	[897, 898]	3932	[6623, 6624]	7403	[10518, 10519]	10874	[12108, 6968]
462	[899, 900]	3933	[6625, 6626]	7404	[9915, 9065]	10875	[12655, 3075]
463	[59, 901]	3934	[2072, 6627]	7405	[10520, 10521]	10876	[12342, 6662]
464	[893, 902]	3935	[5989, 6628]	7406	[4760, 10522]	10877	[11555, 6647]
465	[903, 904]	3936	[6629, 2480]	7407	[10521, 10523]	10878	[3215, 6654]
466	[905, 906]	3937	[6630, 3219]	7408	[10524, 10525]	10879	[3328, 8418]
467	[907, 908]	3938	[2922, 6631]	7409	[10294, 10526]	10880	[556, 12272]
468	[909, 910]	3939	[217, 652]	7410	[5661, 3837]	10881	[8282, 12463]
469	[148, 911]	3940	[6632, 6125]	7411	[10527, 10528]	10882	[12287, 6677]
470	[912, 913]	3941	[6633, 6279]	7412	[1539, 10481]	10883	[8183, 2659]
471	[914, 915]	3942	[3326, 6634]	7413	[10260, 10529]	10884	[630, 12635]
472	[916, 917]	3943	[6635, 6636]	7414	[8564, 103]	10885	[12656, 3265]
473	[918, 919]	3944	[763, 6637]	7415	[10530, 10531]	10886	[6626, 7263]

474	[920, 921]	3945	[6638, 6639]	7416	[10532, 10533]	10887	[7090, 12652]
475	[922, 923]	3946	[6640, 6641]	7417	[10534, 10535]	10888	[2098, 8321]
476	[924, 925]	3947	[6642, 6643]	7418	[10536, 10537]	10889	[12657, 8324]
477	[926, 927]	3948	[6644, 2205]	7419	[10538, 10539]	10890	[7748, 801]
478	[928, 929]	3949	[6645, 6646]	7420	[3579, 10540]	10891	[3180, 1863]
479	[930, 931]	3950	[6647, 6648]	7421	[10541, 8872]	10892	[11957, 2467]
480	[932, 933]	3951	[6649, 6650]	7422	[9401, 10497]	10893	[12530, 2443]
481	[934, 935]	3952	[6651, 6652]	7423	[9845, 10542]	10894	[12118, 7649]
482	[936, 937]	3953	[6653, 3146]	7424	[10543, 5645]	10895	[11688, 6356]
483	[938, 939]	3954	[6654, 6655]	7425	[10544, 10545]	10896	[7056, 6688]
484	[940, 941]	3955	[6656, 6657]	7426	[10546, 5267]	10897	[3277, 12177]
485	[942, 219]	3956	[6658, 6659]	7427	[1473, 10153]	10898	[2281, 12206]
486	[943, 944]	3957	[6660, 6661]	7428	[10547, 4577]	10899	[3310, 8344]
487	[945, 946]	3958	[6662, 6663]	7429	[10548, 10090]	10900	[8023, 2911]
488	[947, 948]	3959	[6664, 6665]	7430	[10549, 10550]	10901	[7812, 12293]
489	[949, 950]	3960	[6666, 6667]	7431	[9204, 413]	10902	[1884, 12658]
490	[142, 951]	3961	[6668, 6669]	7432	[5114, 5011]	10903	[5844, 7983]
491	[952, 953]	3962	[523, 6670]	7433	[1143, 9376]	10904	[2365, 8256]
492	[954, 955]	3963	[6216, 6671]	7434	[1491, 10551]	10905	[12057, 12089]
493	[956, 957]	3964	[6672, 6673]	7435	[10552, 9620]	10906	[12654, 12659]
494	[958, 959]	3965	[5963, 6674]	7436	[10553, 10554]	10907	[6550, 873]
495	[960, 961]	3966	[2555, 6675]	7437	[4070, 10337]	10908	[6185, 11684]
496	[962, 963]	3967	[6676, 1976]	7438	[3643, 10555]	10909	[11940, 5903]
497	[964, 965]	3968	[2366, 1863]	7439	[5703, 10556]	10910	[2520, 7667]
498	[74, 966]	3969	[688, 6677]	7440	[10557, 10558]	10911	[6691, 6875]
499	[967, 968]	3970	[6678, 6679]	7441	[10559, 5497]	10912	[7985, 739]
500	[969, 970]	3971	[6680, 1940]	7442	[4562, 9398]	10913	[8098, 7237]
501	[971, 972]	3972	[6681, 6682]	7443	[4033, 10560]	10914	[12446, 12660]
502	[973, 974]	3973	[3098, 6683]	7444	[10561, 10562]	10915	[6085, 2654]
503	[975, 976]	3974	[3308, 742]	7445	[10563, 9513]	10916	[2906, 7614]
504	[977, 978]	3975	[2417, 6684]	7446	[10564, 9147]	10917	[12490, 12661]
505	[979, 980]	3976	[6468, 948]	7447	[10565, 10398]	10918	[6757, 6046]
506	[981, 982]	3977	[6685, 6686]	7448	[10566, 10567]	10919	[2484, 3171]
507	[983, 984]	3978	[2937, 6687]	7449	[10568, 10569]	10920	[8405, 6448]
508	[985, 986]	3979	[6535, 6688]	7450	[4212, 10570]	10921	[2477, 11827]
509	[987, 988]	3980	[3138, 6689]	7451	[10571, 3669]	10922	[12552, 2745]
510	[989, 990]	3981	[6690, 2126]	7452	[10572, 4546]	10923	[12388, 12662]
511	[991, 992]	3982	[6691, 6692]	7453	[10573, 8602]	10924	[7649, 2578]
512	[993, 994]	3983	[6693, 6264]	7454	[10574, 10575]	10925	[2949, 7642]
513	[995, 996]	3984	[528, 6694]	7455	[434, 9178]	10926	[804, 12489]
514	[997, 998]	3985	[6695, 6696]	7456	[10576, 10577]	10927	[11945, 2216]
515	[999, 1000]	3986	[6697, 170]	7457	[10578, 1648]	10928	[3041, 2881]
516	[1001, 466]	3987	[2354, 6698]	7458	[10360, 8970]	10929	[7273, 12219]
517	[1002, 1003]	3988	[6699, 2090]	7459	[10317, 9100]	10930	[920, 5847]

518	[1004, 1005]	3989	[6555, 6700]	7460	[10420, 10579]	10931	[2748, 3324]
519	[1006, 1007]	3990	[6701, 6702]	7461	[3870, 1578]	10932	[172, 6534]
520	[1008, 1009]	3991	[6232, 2235]	7462	[3872, 10580]	10933	[7360, 8180]
521	[1010, 1011]	3992	[6703, 6704]	7463	[10581, 3642]	10934	[8124, 614]
522	[1012, 1013]	3993	[6705, 6536]	7464	[10542, 8557]	10935	[12663, 2135]
523	[1014, 1015]	3994	[6429, 6706]	7465	[8485, 10582]	10936	[3092, 12433]
524	[1016, 1017]	3995	[5902, 6707]	7466	[10583, 9487]	10937	[7539, 12664]
525	[1018, 1019]	3996	[6708, 2991]	7467	[10444, 10584]	10938	[6496, 3211]
526	[1020, 1021]	3997	[6709, 2515]	7468	[10585, 8766]	10939	[7588, 12509]
527	[1022, 1023]	3998	[6710, 2843]	7469	[3531, 1811]	10940	[11738, 12665]
528	[1024, 1025]	3999	[6711, 237]	7470	[10586, 5408]	10941	[3314, 3059]
529	[1026, 1027]	4000	[6555, 835]	7471	[10587, 10588]	10942	[1959, 11658]
530	[1028, 1029]	4001	[6712, 6713]	7472	[18, 10589]	10943	[12666, 7828]
531	[1030, 1031]	4002	[6714, 6715]	7473	[10436, 4049]	10944	[11601, 7776]
532	[1032, 1033]	4003	[6716, 6717]	7474	[10590, 10591]	10945	[6447, 7757]
533	[1034, 1035]	4004	[6718, 6719]	7475	[10592, 3824]	10946	[12628, 8277]
534	[1036, 1037]	4005	[6720, 6721]	7476	[1573, 10088]	10947	[11695, 2651]
535	[1038, 1039]	4006	[637, 6722]	7477	[3987, 10593]	10948	[244, 6851]
536	[1040, 1041]	4007	[6723, 2729]	7478	[10594, 9987]	10949	[6671, 2179]
537	[1042, 1043]	4008	[6724, 6725]	7479	[10345, 10595]	10950	[12667, 7884]
538	[1044, 1045]	4009	[6726, 6727]	7480	[10596, 5658]	10951	[7054, 11611]
539	[1046, 1047]	4010	[6728, 6729]	7481	[10234, 8507]	10952	[7796, 7580]
540	[1048, 1049]	4011	[6730, 6731]	7482	[10399, 10415]	10953	[7602, 7226]
541	[1050, 1051]	4012	[6732, 6733]	7483	[10597, 10598]	10954	[12668, 542]
542	[1052, 1053]	4013	[806, 6734]	7484	[10599, 10600]	10955	[6710, 2678]
543	[1054, 1055]	4014	[6735, 3171]	7485	[9655, 10601]	10956	[3023, 708]
544	[1056, 1057]	4015	[6736, 6694]	7486	[10074, 1032]	10957	[3114, 7090]
545	[1058, 1059]	4016	[6737, 6738]	7487	[10602, 8553]	10958	[6972, 12669]
546	[1060, 1061]	4017	[6268, 6739]	7488	[9608, 3493]	10959	[774, 2913]
547	[1062, 1063]	4018	[6740, 6741]	7489	[10603, 10379]	10960	[7716, 3046]
548	[1064, 270]	4019	[6742, 6743]	7490	[10287, 10604]	10961	[12670, 8297]
549	[1065, 1066]	4020	[6744, 501]	7491	[8685, 10561]	10962	[12671, 11821]
550	[1067, 1068]	4021	[5860, 6745]	7492	[4430, 10605]	10963	[2700, 853]
551	[1069, 1070]	4022	[697, 6746]	7493	[10606, 10607]	10964	[2504, 634]
552	[1071, 1072]	4023	[6377, 6747]	7494	[10315, 10608]	10965	[7237, 3291]
553	[1073, 1074]	4024	[2087, 6748]	7495	[10609, 10610]	10966	[7768, 6613]
554	[1075, 1076]	4025	[6749, 14]	7496	[10611, 10612]	10967	[12227, 7174]
555	[410, 1077]	4026	[2542, 6750]	7497	[10522, 3507]	10968	[8048, 773]
556	[1078, 1079]	4027	[6751, 6752]	7498	[10613, 297]	10969	[7513, 6264]
557	[282, 1080]	4028	[6753, 6754]	7499	[10614, 10615]	10970	[6281, 5910]
558	[1081, 1082]	4029	[669, 3095]	7500	[1638, 5476]	10971	[11973, 2983]
559	[1083, 1084]	4030	[6755, 6756]	7501	[9062, 10616]	10972	[11612, 726]
560	[1085, 1086]	4031	[6757, 2454]	7502	[10617, 10618]	10973	[758, 7736]
561	[1087, 1088]	4032	[6758, 6759]	7503	[5108, 10619]	10974	[2747, 3323]

562	[1089, 1090]	4033	[6760, 6761]	7504	[5407, 9417]	10975	[2782, 6080]
563	[1091, 1092]	4034	[6320, 6762]	7505	[10620, 9412]	10976	[735, 7814]
564	[1093, 1094]	4035	[6763, 6764]	7506	[10621, 9292]	10977	[8376, 12181]
565	[367, 1095]	4036	[6765, 3261]	7507	[10622, 4649]	10978	[12138, 6446]
566	[1096, 1097]	4037	[6766, 627]	7508	[5342, 10623]	10979	[3113, 7246]
567	[1098, 1099]	4038	[6767, 6768]	7509	[10624, 10625]	10980	[2506, 745]
568	[1100, 1101]	4039	[6769, 3295]	7510	[10305, 4972]	10981	[12261, 637]
569	[1102, 1103]	4040	[6770, 6771]	7511	[10626, 5577]	10982	[2160, 12672]
570	[1104, 1105]	4041	[6772, 6773]	7512	[10627, 10628]	10983	[12644, 8438]
571	[1106, 1107]	4042	[6774, 6775]	7513	[4899, 10629]	10984	[8291, 7665]
572	[1108, 1109]	4043	[6087, 6776]	7514	[4522, 10630]	10985	[11931, 11902]
573	[1110, 1111]	4044	[6777, 195]	7515	[4611, 3510]	10986	[3143, 6894]
574	[1112, 1113]	4045	[6778, 6779]	7516	[10631, 10632]	10987	[7719, 3041]
575	[1114, 1115]	4046	[6780, 6781]	7517	[10633, 4682]	10988	[6771, 2968]
576	[1116, 1117]	4047	[6782, 6045]	7518	[9680, 10242]	10989	[12087, 3031]
577	[1118, 1119]	4048	[6783, 6784]	7519	[10634, 10635]	10990	[7865, 8304]
578	[1120, 1121]	4049	[6589, 6785]	7520	[3817, 10636]	10991	[6540, 12673]
579	[1122, 1123]	4050	[2414, 5923]	7521	[10637, 10638]	10992	[2615, 7631]
580	[1124, 1125]	4051	[6786, 3106]	7522	[10639, 9503]	10993	[12674, 2735]
581	[1126, 1127]	4052	[6787, 232]	7523	[10640, 10641]	10994	[2119, 12675]
582	[1128, 1129]	4053	[6788, 6140]	7524	[4088, 10642]	10995	[6319, 11782]
583	[1130, 1131]	4054	[6789, 2241]	7525	[5264, 10643]	10996	[2269, 825]
584	[1132, 1133]	4055	[6790, 6791]	7526	[10644, 10645]	10997	[7064, 7449]
585	[1134, 1135]	4056	[6792, 6793]	7527	[10646, 10647]	10998	[718, 7483]
586	[1136, 1137]	4057	[6794, 6795]	7528	[1057, 10648]	10999	[6074, 6299]
587	[1138, 1139]	4058	[6796, 5939]	7529	[10649, 10316]	11000	[8363, 6208]
588	[1140, 1141]	4059	[6797, 2146]	7530	[5774, 9300]	11001	[2672, 12429]
589	[1142, 1143]	4060	[6798, 6799]	7531	[9750, 10650]	11002	[6577, 12308]
590	[1144, 287]	4061	[2667, 6669]	7532	[10651, 5191]	11003	[6190, 12480]
591	[1145, 1146]	4062	[2556, 6800]	7533	[10652, 10653]	11004	[7290, 12065]
592	[1147, 1148]	4063	[6801, 3332]	7534	[10654, 9740]	11005	[7726, 2713]
593	[1149, 1150]	4064	[2450, 6802]	7535	[5323, 10655]	11006	[7730, 6422]
594	[1151, 1152]	4065	[2968, 6803]	7536	[10656, 4353]	11007	[12254, 2819]
595	[1153, 1154]	4066	[2908, 6804]	7537	[10438, 10657]	11008	[3129, 11841]
596	[1155, 1156]	4067	[6805, 2937]	7538	[10658, 10659]	11009	[2234, 6435]
597	[1157, 337]	4068	[6806, 2830]	7539	[10660, 10661]	11010	[12676, 12677]
598	[1017, 1158]	4069	[2545, 251]	7540	[1076, 10662]	11011	[11997, 5834]
599	[1159, 1160]	4070	[6807, 6808]	7541	[10663, 10664]	11012	[12207, 12678]
600	[1161, 1162]	4071	[6809, 6810]	7542	[10665, 10666]	11013	[6342, 12679]
601	[1163, 1164]	4072	[2135, 2024]	7543	[9708, 8568]	11014	[6257, 2175]
602	[1165, 1166]	4073	[2771, 2211]	7544	[10667, 4168]	11015	[7978, 8187]
603	[1167, 1168]	4074	[6811, 6812]	7545	[10668, 366]	11016	[12466, 12030]
604	[1043, 1169]	4075	[2946, 6813]	7546	[10669, 9830]	11017	[12358, 7178]
605	[1170, 1171]	4076	[6814, 6815]	7547	[10670, 10671]	11018	[8434, 12680]

606	[1172, 1173]	4077	[6816, 6817]	7548	[1146, 10672]	11019	[6966, 12103]
607	[1174, 1175]	4078	[6818, 3199]	7549	[10673, 10674]	11020	[2092, 2120]
608	[1176, 1177]	4079	[2389, 3032]	7550	[10675, 3712]	11021	[3006, 5976]
609	[1178, 1179]	4080	[6819, 6722]	7551	[9653, 10676]	11022	[11874, 2435]
610	[1180, 1181]	4081	[6820, 6821]	7552	[10677, 10678]	11023	[1855, 7099]
611	[1182, 1183]	4082	[6822, 6823]	7553	[10679, 8686]	11024	[3047, 1929]
612	[1184, 1185]	4083	[6824, 6825]	7554	[1341, 3892]	11025	[8018, 7169]
613	[1186, 1187]	4084	[6826, 6418]	7555	[10680, 9732]	11026	[2509, 3071]
614	[1188, 1189]	4085	[6827, 2796]	7556	[10681, 9048]	11027	[12681, 6857]
615	[1190, 1191]	4086	[6828, 6829]	7557	[10682, 10683]	11028	[8217, 12275]
616	[1192, 1193]	4087	[6830, 6831]	7558	[1814, 4918]	11029	[12682, 924]
617	[1194, 1195]	4088	[6832, 6833]	7559	[10684, 10685]	11030	[12451, 7169]
618	[1196, 1197]	4089	[3004, 3022]	7560	[8882, 10686]	11031	[2759, 11767]
619	[1198, 1199]	4090	[6834, 6835]	7561	[9348, 10687]	11032	[8307, 11978]
620	[1200, 1201]	4091	[6836, 5908]	7562	[8803, 1204]	11033	[7816, 2963]
621	[1202, 1203]	4092	[6216, 6837]	7563	[8902, 10396]	11034	[602, 5909]
622	[1204, 1205]	4093	[6838, 588]	7564	[10688, 9363]	11035	[7268, 7612]
623	[1206, 1207]	4094	[6839, 6840]	7565	[10689, 10690]	11036	[6057, 6539]
624	[1208, 1209]	4095	[1896, 6175]	7566	[10691, 10692]	11037	[12622, 11731]
625	[1210, 1211]	4096	[6841, 5897]	7567	[4341, 10217]	11038	[2696, 2852]
626	[1212, 1213]	4097	[6842, 6843]	7568	[10693, 10694]	11039	[12683, 12041]
627	[1214, 1215]	4098	[6844, 6759]	7569	[9197, 10695]	11040	[11727, 11819]
628	[1216, 1217]	4099	[3236, 6845]	7570	[10696, 4342]	11041	[6856, 12684]
629	[1218, 1219]	4100	[6846, 3072]	7571	[10697, 4257]	11042	[6842, 12278]
630	[1220, 1221]	4101	[6847, 6848]	7572	[10698, 329]	11043	[3221, 6707]
631	[1222, 1223]	4102	[888, 6849]	7573	[5028, 10699]	11044	[7926, 12036]
632	[1224, 1225]	4103	[6850, 6851]	7574	[10147, 1233]	11045	[12685, 12525]
633	[992, 1226]	4104	[2685, 6852]	7575	[10700, 9736]	11046	[3214, 8127]
634	[1227, 1228]	4105	[6853, 3287]	7576	[10701, 8603]	11047	[12507, 3047]
635	[1229, 1230]	4106	[6286, 6854]	7577	[9565, 10702]	11048	[3127, 11620]
636	[1231, 1232]	4107	[2255, 6855]	7578	[9793, 10703]	11049	[12686, 8237]
637	[1233, 1234]	4108	[6856, 6857]	7579	[10704, 3590]	11050	[6464, 12582]
638	[1235, 1157]	4109	[6858, 6859]	7580	[10695, 4136]	11051	[7076, 2043]
639	[1236, 1237]	4110	[6860, 6861]	7581	[476, 5165]	11052	[12687, 6338]
640	[1238, 1239]	4111	[6862, 3223]	7582	[10705, 10706]	11053	[11662, 11763]
641	[1240, 1241]	4112	[6863, 6864]	7583	[10707, 10708]	11054	[7630, 7560]
642	[1242, 1243]	4113	[6865, 6866]	7584	[10709, 10710]	11055	[11674, 12092]
643	[1244, 1245]	4114	[6867, 6868]	7585	[10370, 1496]	11056	[12688, 2566]
644	[1246, 1247]	4115	[6151, 5977]	7586	[10711, 10712]	11057	[542, 12689]
645	[1248, 1249]	4116	[2949, 6869]	7587	[10713, 4647]	11058	[2558, 12690]
646	[428, 1250]	4117	[2946, 3135]	7588	[10023, 10714]	11059	[7247, 7925]
647	[1251, 1252]	4118	[6811, 2915]	7589	[8862, 10715]	11060	[12576, 7522]
648	[1253, 1254]	4119	[3252, 862]	7590	[8842, 10716]	11061	[11596, 6581]
649	[1255, 1256]	4120	[6870, 2604]	7591	[10463, 10717]	11062	[7520, 873]

650	[1257, 1258]	4121	[2639, 6871]	7592	[10718, 5204]	11063	[6832, 2113]
651	[1259, 1260]	4122	[6872, 6873]	7593	[1027, 9018]	11064	[12691, 7008]
652	[1261, 1262]	4123	[6874, 6875]	7594	[10719, 1176]	11065	[12691, 7126]
653	[1263, 1264]	4124	[6876, 154]	7595	[10720, 10721]	11066	[6876, 12119]
654	[1265, 1266]	4125	[2164, 6877]	7596	[10722, 8563]	11067	[12310, 540]
655	[1267, 1268]	4126	[2355, 32]	7597	[5559, 9283]	11068	[12331, 12662]
656	[1269, 1270]	4127	[6878, 6879]	7598	[5162, 10723]	11069	[12692, 7974]
657	[1271, 1272]	4128	[6880, 6881]	7599	[8849, 5160]	11070	[6210, 591]
658	[1273, 1274]	4129	[6882, 2730]	7600	[1175, 10494]	11071	[12693, 2558]
659	[1275, 295]	4130	[3056, 6883]	7601	[10724, 8764]	11072	[12167, 8374]
660	[1276, 1277]	4131	[2770, 2527]	7602	[10725, 10726]	11073	[12550, 12694]
661	[1278, 1279]	4132	[6884, 6885]	7603	[10727, 1592]	11074	[2273, 5894]
662	[1280, 1281]	4133	[6886, 6887]	7604	[3736, 5465]	11075	[2274, 11606]
663	[1282, 1283]	4134	[6888, 563]	7605	[10728, 10729]	11076	[12462, 2994]
664	[1284, 1285]	4135	[6787, 2929]	7606	[8975, 10730]	11077	[12221, 12695]
665	[1286, 1287]	4136	[190, 6889]	7607	[9285, 10731]	11078	[7713, 8167]
666	[1288, 1289]	4137	[6890, 6891]	7608	[5447, 4527]	11079	[6810, 5877]
667	[1290, 1291]	4138	[2554, 2110]	7609	[10732, 10611]	11080	[3188, 7454]
668	[1292, 1293]	4139	[6892, 6893]	7610	[10733, 10734]	11081	[6587, 12696]
669	[1294, 1295]	4140	[830, 5858]	7611	[10735, 9437]	11082	[7954, 12697]
670	[1296, 1297]	4141	[6894, 6895]	7612	[10736, 5587]	11083	[2468, 2566]
671	[1298, 1299]	4142	[6896, 6897]	7613	[10737, 9314]	11084	[136, 2063]
672	[1300, 1301]	4143	[620, 6898]	7614	[10738, 1159]	11085	[12539, 2708]
673	[1302, 1303]	4144	[2597, 930]	7615	[10739, 10740]	11086	[12107, 6964]
674	[1304, 1305]	4145	[6899, 6900]	7616	[3391, 3469]	11087	[53, 3207]
675	[1306, 1307]	4146	[6901, 3148]	7617	[988, 10741]	11088	[564, 7868]
676	[1308, 1309]	4147	[3266, 3284]	7618	[10742, 10743]	11089	[1963, 12578]
677	[1310, 1311]	4148	[6902, 2131]	7619	[10744, 5001]	11090	[7250, 6424]
678	[1312, 1313]	4149	[718, 2056]	7620	[1622, 10745]	11091	[7131, 7164]
679	[1314, 1315]	4150	[6903, 6904]	7621	[10746, 10272]	11092	[6333, 8451]
680	[1316, 1317]	4151	[6461, 2677]	7622	[5030, 10747]	11093	[12251, 12698]
681	[1318, 1319]	4152	[6905, 2098]	7623	[8774, 10748]	11094	[2295, 8199]
682	[1225, 1320]	4153	[2497, 6906]	7624	[10749, 10750]	11095	[12314, 176]
683	[1321, 1322]	4154	[150, 6907]	7625	[10751, 10752]	11096	[6711, 2478]
684	[1323, 1324]	4155	[6908, 6909]	7626	[10604, 10753]	11097	[12174, 7863]
685	[1325, 1326]	4156	[6910, 6386]	7627	[9138, 9319]	11098	[12699, 11814]
686	[1327, 1328]	4157	[6911, 6912]	7628	[10754, 119]	11099	[3290, 6369]
687	[1329, 1330]	4158	[2661, 5932]	7629	[10755, 10756]	11100	[6433, 6585]
688	[1331, 1332]	4159	[3151, 6652]	7630	[10757, 10758]	11101	[644, 12584]
689	[1333, 1334]	4160	[2259, 6009]	7631	[10759, 10760]	11102	[5888, 12344]
690	[1335, 1336]	4161	[6913, 5836]	7632	[10761, 4413]	11103	[1977, 2389]
691	[1337, 1001]	4162	[6751, 6914]	7633	[10762, 3856]	11104	[12700, 6069]
692	[1338, 1339]	4163	[6915, 6916]	7634	[10763, 10764]	11105	[6004, 7285]
693	[1340, 1341]	4164	[2261, 6917]	7635	[10745, 10765]	11106	[7736, 12701]

694	[1342, 1343]	4165	[6918, 3333]	7636	[10766, 10767]	11107	[2771, 5925]
695	[1344, 1345]	4166	[6919, 6920]	7637	[10768, 1546]	11108	[7621, 6797]
696	[1029, 1346]	4167	[779, 6921]	7638	[9688, 5271]	11109	[6055, 3260]
697	[1347, 1348]	4168	[6922, 2557]	7639	[1099, 5442]	11110	[11966, 6565]
698	[1349, 1350]	4169	[2388, 1978]	7640	[10769, 10770]	11111	[11599, 12702]
699	[1351, 1352]	4170	[6923, 2425]	7641	[5330, 3512]	11112	[12703, 6578]
700	[1353, 1354]	4171	[6924, 6925]	7642	[10529, 10771]	11113	[6700, 836]
701	[1355, 1356]	4172	[2446, 163]	7643	[9360, 10772]	11114	[3176, 12650]
702	[1357, 1358]	4173	[6926, 3220]	7644	[10773, 10774]	11115	[7077, 2970]
703	[1359, 1360]	4174	[5902, 6927]	7645	[10775, 10776]	11116	[7090, 12583]
704	[1361, 1362]	4175	[6928, 2018]	7646	[10777, 10778]	11117	[12533, 7911]
705	[1363, 1364]	4176	[6929, 6930]	7647	[4321, 10779]	11118	[544, 2806]
706	[1365, 1366]	4177	[6721, 6931]	7648	[9823, 10780]	11119	[7400, 12367]
707	[1367, 1112]	4178	[6932, 6933]	7649	[10781, 9400]	11120	[839, 2604]
708	[1368, 1369]	4179	[6934, 6579]	7650	[5142, 1698]	11121	[12418, 2392]
709	[1370, 1371]	4180	[6935, 6936]	7651	[10782, 8571]	11122	[7047, 12665]
710	[1372, 1373]	4181	[6937, 2967]	7652	[10783, 10784]	11123	[12668, 12201]
711	[1374, 1375]	4182	[6938, 6939]	7653	[9726, 10785]	11124	[12704, 12705]
712	[1376, 1377]	4183	[6940, 6941]	7654	[5701, 10786]	11125	[11579, 824]
713	[1378, 1379]	4184	[6509, 6942]	7655	[4109, 9701]	11126	[12706, 6120]
714	[1380, 1381]	4185	[6943, 6944]	7656	[10787, 10788]	11127	[11715, 1887]
715	[1281, 1382]	4186	[3218, 2470]	7657	[4331, 10789]	11128	[2785, 12707]
716	[1383, 1384]	4187	[2940, 6945]	7658	[10537, 9935]	11129	[6504, 8091]
717	[1385, 1386]	4188	[2180, 2255]	7659	[10790, 10791]	11130	[7323, 6788]
718	[1373, 1387]	4189	[6946, 6947]	7660	[10792, 10793]	11131	[3219, 2471]
719	[1388, 1389]	4190	[6948, 6949]	7661	[4302, 10794]	11132	[7572, 165]
720	[1390, 1391]	4191	[2781, 6950]	7662	[10795, 10796]	11133	[11952, 162]
721	[1392, 1393]	4192	[6951, 600]	7663	[9553, 10797]	11134	[7965, 11765]
722	[1394, 1395]	4193	[6952, 6953]	7664	[10798, 9310]	11135	[6262, 7421]
723	[1396, 1397]	4194	[2390, 6954]	7665	[10799, 10800]	11136	[6978, 8268]
724	[1398, 1399]	4195	[6955, 6956]	7666	[10801, 10802]	11137	[12447, 33]
725	[1400, 1401]	4196	[535, 2375]	7667	[10803, 9604]	11138	[11863, 11697]
726	[1402, 1403]	4197	[3111, 2111]	7668	[10804, 3899]	11139	[6920, 7914]
727	[1404, 1405]	4198	[6957, 6958]	7669	[5224, 10805]	11140	[7345, 6898]
728	[1406, 1407]	4199	[6959, 6960]	7670	[5393, 10806]	11141	[7813, 12708]
729	[1408, 1409]	4200	[6961, 5837]	7671	[5783, 10807]	11142	[12709, 12571]
730	[1410, 1411]	4201	[6962, 2515]	7672	[10808, 10809]	11143	[7454, 11710]
731	[1412, 1413]	4202	[6685, 6963]	7673	[8871, 10810]	11144	[143, 12710]
732	[1414, 1415]	4203	[6964, 6965]	7674	[10811, 8773]	11145	[3052, 6028]
733	[1416, 1417]	4204	[6966, 6967]	7675	[10812, 8775]	11146	[2598, 6975]
734	[1418, 1419]	4205	[6968, 6969]	7676	[10813, 10814]	11147	[2750, 2763]
735	[1420, 1421]	4206	[6970, 6971]	7677	[391, 10815]	11148	[8285, 12711]
736	[1422, 1423]	4207	[2987, 6972]	7678	[9895, 10816]	11149	[12683, 8394]
737	[1424, 1425]	4208	[6973, 6974]	7679	[10817, 10818]	11150	[7292, 6675]

738	[1426, 1427]	4209	[749, 6942]	7680	[10819, 1759]	11151	[7395, 2833]
739	[1428, 1429]	4210	[6975, 6976]	7681	[10820, 9094]	11152	[2424, 3042]
740	[1430, 1431]	4211	[5833, 6977]	7682	[5384, 5015]	11153	[11734, 5914]
741	[1432, 1433]	4212	[6978, 6979]	7683	[5125, 1724]	11154	[2219, 7377]
742	[1434, 1435]	4213	[958, 6980]	7684	[10821, 10822]	11155	[7484, 6265]
743	[1436, 1437]	4214	[6981, 2738]	7685	[10823, 5000]	11156	[2894, 8144]
744	[1133, 1438]	4215	[3130, 2497]	7686	[4161, 10824]	11157	[2592, 6255]
745	[1439, 1440]	4216	[6982, 6983]	7687	[10825, 10826]	11158	[2952, 7149]
746	[1441, 1442]	4217	[6984, 6985]	7688	[304, 10827]	11159	[8032, 6001]
747	[1443, 1444]	4218	[6986, 2698]	7689	[8770, 10828]	11160	[6005, 3072]
748	[1445, 1446]	4219	[6987, 6988]	7690	[3754, 10829]	11161	[7541, 754]
749	[1447, 1448]	4220	[6989, 6305]	7691	[10643, 10486]	11162	[152, 12455]
750	[1449, 1450]	4221	[6990, 6991]	7692	[1842, 4857]	11163	[12394, 7679]
751	[1451, 1452]	4222	[6992, 6993]	7693	[10830, 3588]	11164	[3021, 3005]
752	[1453, 1454]	4223	[6994, 6995]	7694	[10831, 5086]	11165	[12712, 12713]
753	[453, 1455]	4224	[2818, 5963]	7695	[10832, 10833]	11166	[12457, 8419]
754	[1456, 1457]	4225	[6996, 235]	7696	[10834, 10835]	11167	[7516, 12473]
755	[1458, 1459]	4226	[6997, 6998]	7697	[10765, 10836]	11168	[12285, 12288]
756	[1460, 1461]	4227	[6999, 5958]	7698	[10837, 10838]	11169	[7122, 12714]
757	[1462, 1463]	4228	[764, 7000]	7699	[10839, 10840]	11170	[12565, 6127]
758	[1464, 1465]	4229	[956, 7001]	7700	[10841, 3408]	11171	[7386, 12705]
759	[1466, 23]	4230	[7002, 7003]	7701	[10842, 3661]	11172	[883, 8000]
760	[1467, 1468]	4231	[506, 2992]	7702	[10140, 10843]	11173	[12613, 12715]
761	[1469, 1470]	4232	[7004, 2587]	7703	[4029, 5773]	11174	[5833, 12716]
762	[1471, 5]	4233	[7005, 2049]	7704	[10844, 10841]	11175	[8232, 12717]
763	[1472, 1473]	4234	[6579, 2265]	7705	[9434, 10845]	11176	[2066, 12718]
764	[1474, 1475]	4235	[2903, 7006]	7706	[10846, 8908]	11177	[7930, 6243]
765	[1476, 1477]	4236	[7007, 7008]	7707	[10847, 9946]	11178	[12693, 12069]
766	[1478, 1479]	4237	[7009, 7010]	7708	[10848, 5776]	11179	[2927, 668]
767	[1480, 1481]	4238	[6055, 7011]	7709	[10807, 10849]	11180	[12719, 3190]
768	[1482, 1483]	4239	[7012, 7013]	7710	[10850, 1075]	11181	[6598, 2334]
769	[1484, 1485]	4240	[7014, 2331]	7711	[9246, 10851]	11182	[6501, 8179]
770	[1486, 1453]	4241	[7015, 7016]	7712	[10852, 10853]	11183	[12720, 11776]
771	[1487, 1488]	4242	[6462, 7017]	7713	[10854, 10855]	11184	[2721, 12721]
772	[1489, 1490]	4243	[3155, 7018]	7714	[10856, 9973]	11185	[6073, 5995]
773	[1369, 1491]	4244	[704, 7019]	7715	[1366, 10857]	11186	[2688, 7079]
774	[1492, 1493]	4245	[248, 7020]	7716	[10858, 10859]	11187	[7340, 12722]
775	[1494, 1495]	4246	[7021, 7022]	7717	[8930, 10860]	11188	[7949, 2896]
776	[1496, 464]	4247	[7023, 3224]	7718	[10861, 10862]	11189	[8110, 11981]
777	[1497, 1498]	4248	[2971, 6268]	7719	[10863, 10864]	11190	[8269, 2253]
778	[1499, 1500]	4249	[7024, 192]	7720	[8613, 10865]	11191	[6629, 11850]
779	[1501, 1502]	4250	[6438, 7003]	7721	[265, 10866]	11192	[7459, 6272]
780	[1503, 1504]	4251	[7025, 2446]	7722	[10867, 4600]	11193	[12723, 12724]
781	[1505, 1506]	4252	[7026, 7027]	7723	[4770, 10868]	11194	[6668, 2668]

782	[1507, 1508]	4253	[2017, 7028]	7724	[5018, 10869]	11195	[12510, 5905]
783	[1509, 1510]	4254	[7029, 6922]	7725	[10870, 10871]	11196	[12120, 12465]
784	[1511, 1512]	4255	[932, 7030]	7726	[4941, 4014]	11197	[1987, 12725]
785	[1513, 1514]	4256	[7031, 7032]	7727	[3971, 10872]	11198	[12726, 11879]
786	[1515, 1516]	4257	[7033, 7034]	7728	[10873, 10874]	11199	[2544, 11939]
787	[1517, 1518]	4258	[789, 7035]	7729	[9419, 5060]	11200	[8276, 12629]
788	[1519, 1520]	4259	[7036, 1876]	7730	[9390, 5558]	11201	[3184, 5915]
789	[90, 1521]	4260	[7037, 7038]	7731	[10875, 10876]	11202	[6867, 12727]
790	[1522, 1523]	4261	[7039, 6988]	7732	[10877, 3949]	11203	[6426, 12281]
791	[1524, 1525]	4262	[7040, 902]	7733	[10878, 3953]	11204	[1955, 12052]
792	[1526, 1527]	4263	[2797, 1972]	7734	[10879, 5735]	11205	[12438, 2936]
793	[1528, 1529]	4264	[3076, 2824]	7735	[3591, 10880]	11206	[11960, 6040]
794	[1530, 1531]	4265	[7041, 2261]	7736	[10881, 10882]	11207	[1871, 12728]
795	[1532, 1533]	4266	[7042, 7043]	7737	[1569, 9191]	11208	[7637, 801]
796	[1534, 1535]	4267	[6687, 7044]	7738	[10883, 8673]	11209	[3285, 12661]
797	[1536, 1537]	4268	[644, 2245]	7739	[10884, 10395]	11210	[2473, 859]
798	[1538, 1539]	4269	[7045, 6682]	7740	[10885, 10886]	11211	[6029, 12555]
799	[1540, 1541]	4270	[6594, 6373]	7741	[10887, 10325]	11212	[6258, 7825]
800	[1542, 1543]	4271	[2795, 1998]	7742	[9603, 10888]	11213	[2767, 7780]
801	[1544, 1545]	4272	[6318, 3312]	7743	[5401, 10889]	11214	[12106, 6479]
802	[1546, 1547]	4273	[7046, 7047]	7744	[10372, 10890]	11215	[8080, 12729]
803	[1548, 1549]	4274	[7048, 48]	7745	[5415, 3861]	11216	[6951, 2459]
804	[1550, 1551]	4275	[7049, 2280]	7746	[3563, 10891]	11217	[7622, 12222]
805	[1552, 1553]	4276	[7050, 7051]	7747	[8690, 10892]	11218	[3204, 11876]
806	[1554, 1555]	4277	[2438, 2871]	7748	[10893, 10894]	11219	[12703, 6934]
807	[1556, 1557]	4278	[683, 7052]	7749	[10895, 10896]	11220	[7049, 7081]
808	[1558, 1559]	4279	[7053, 596]	7750	[10515, 4459]	11221	[8143, 12445]
809	[1560, 1561]	4280	[2582, 2944]	7751	[1816, 10897]	11222	[12730, 2352]
810	[1562, 1563]	4281	[7054, 7055]	7752	[10898, 10362]	11223	[7226, 7667]
811	[1564, 1565]	4282	[3245, 2677]	7753	[10899, 1124]	11224	[2091, 2119]
812	[1566, 1567]	4283	[2551, 3196]	7754	[10784, 1631]	11225	[2255, 12431]
813	[1568, 1569]	4284	[7056, 6545]	7755	[10900, 9610]	11226	[3245, 6710]
814	[1570, 1571]	4285	[7057, 3319]	7756	[5352, 10901]	11227	[7749, 11877]
815	[1572, 1573]	4286	[7058, 6585]	7757	[4505, 10902]	11228	[6147, 6115]
816	[1574, 1575]	4287	[7059, 3248]	7758	[10903, 8868]	11229	[7170, 7223]
817	[1576, 1577]	4288	[7060, 3056]	7759	[10904, 10473]	11230	[6754, 7871]
818	[1578, 1579]	4289	[7061, 3200]	7760	[10905, 10906]	11231	[5827, 8038]
819	[1580, 1581]	4290	[7062, 2380]	7761	[4293, 8517]	11232	[6306, 12731]
820	[1582, 1583]	4291	[5943, 7063]	7762	[10907, 10219]	11233	[2989, 11943]
821	[1584, 1585]	4292	[7064, 6389]	7763	[4875, 10908]	11234	[12309, 2586]
822	[1586, 1587]	4293	[3201, 7065]	7764	[10909, 10910]	11235	[1863, 6658]
823	[1588, 1589]	4294	[3208, 6575]	7765	[10911, 10171]	11236	[2402, 1899]
824	[1590, 1591]	4295	[7066, 635]	7766	[10912, 10125]	11237	[2125, 12732]
825	[1592, 1593]	4296	[6132, 131]	7767	[5365, 10913]	11238	[8326, 12007]

826	[72, 1594]	4297	[7067, 6346]	7768	[10771, 9539]	11239	[12046, 2827]
827	[1595, 1596]	4298	[662, 2427]	7769	[10914, 5346]	11240	[11938, 2030]
828	[1597, 1598]	4299	[2268, 6252]	7770	[9588, 10660]	11241	[12561, 7646]
829	[1599, 1600]	4300	[7068, 7069]	7771	[1711, 1436]	11242	[603, 12733]
830	[1601, 1602]	4301	[7070, 7071]	7772	[10655, 10915]	11243	[6087, 12672]
831	[1603, 488]	4302	[2784, 6328]	7773	[10916, 10146]	11244	[7937, 2979]
832	[1604, 1605]	4303	[7072, 3259]	7774	[9831, 9556]	11245	[11708, 7599]
833	[1606, 1607]	4304	[864, 7073]	7775	[10662, 10917]	11246	[12411, 12261]
834	[1608, 1609]	4305	[7074, 7075]	7776	[10810, 10801]	11247	[12623, 2868]
835	[990, 1610]	4306	[6542, 7076]	7777	[1437, 10918]	11248	[6466, 12475]
836	[1611, 1612]	4307	[7077, 5843]	7778	[1425, 9290]	11249	[12153, 2495]
837	[1613, 1614]	4308	[672, 2190]	7779	[3631, 1447]	11250	[6760, 8282]
838	[1615, 1616]	4309	[6014, 6007]	7780	[10919, 1743]	11251	[2813, 12734]
839	[1617, 1618]	4310	[7078, 6973]	7781	[10920, 8785]	11252	[2144, 12044]
840	[1619, 1620]	4311	[7079, 7080]	7782	[8620, 10679]	11253	[7310, 7038]
841	[1621, 1622]	4312	[2279, 7081]	7783	[10921, 10096]	11254	[2500, 12735]
842	[1623, 1624]	4313	[2669, 6414]	7784	[10922, 10923]	11255	[2768, 7745]
843	[1625, 1020]	4314	[896, 2965]	7785	[10924, 10925]	11256	[11889, 8366]
844	[1626, 1627]	4315	[7082, 7083]	7786	[4939, 4323]	11257	[2985, 12590]
845	[1628, 1629]	4316	[2624, 6118]	7787	[10377, 4478]	11258	[12736, 12165]
846	[1630, 281]	4317	[7084, 7085]	7788	[9648, 10926]	11259	[12197, 5887]
847	[1631, 1632]	4318	[7086, 2620]	7789	[10927, 3765]	11260	[12104, 6474]
848	[1633, 1634]	4319	[2446, 3060]	7790	[10928, 5594]	11261	[7697, 7852]
849	[1635, 1636]	4320	[914, 7087]	7791	[10929, 10930]	11262	[2172, 12534]
850	[1637, 1638]	4321	[7032, 2718]	7792	[3750, 3417]	11263	[12737, 12738]
851	[470, 1639]	4322	[7088, 7089]	7793	[10464, 10931]	11264	[2631, 11727]
852	[1640, 1641]	4323	[930, 7090]	7794	[86, 10932]	11265	[5861, 12739]
853	[1642, 1643]	4324	[6106, 2082]	7795	[9467, 10933]	11266	[2954, 7544]
854	[1644, 1645]	4325	[2972, 6739]	7796	[9690, 10934]	11267	[7370, 12740]
855	[1646, 1647]	4326	[2584, 814]	7797	[10025, 10631]	11268	[12657, 1909]
856	[1648, 1235]	4327	[7091, 6917]	7798	[10935, 10936]	11269	[3039, 7420]
857	[1649, 1650]	4328	[6463, 7092]	7799	[10789, 29]	11270	[2542, 7639]
858	[1651, 1652]	4329	[7093, 6429]	7800	[10937, 10938]	11271	[2665, 12741]
859	[1653, 1654]	4330	[2642, 2893]	7801	[10939, 8471]	11272	[6690, 7491]
860	[1655, 1656]	4331	[7094, 7095]	7802	[10760, 10940]	11273	[12742, 11600]
861	[1657, 1658]	4332	[7096, 7097]	7803	[9917, 5744]	11274	[231, 2929]
862	[1659, 1660]	4333	[1873, 6493]	7804	[3389, 10941]	11275	[1954, 8359]
863	[1661, 1662]	4334	[7098, 7099]	7805	[10942, 10229]	11276	[7017, 11603]
864	[1663, 1664]	4335	[679, 2534]	7806	[10943, 10944]	11277	[11911, 7601]
865	[1665, 1666]	4336	[7100, 7101]	7807	[9772, 10945]	11278	[11956, 12743]
866	[1667, 1668]	4337	[7102, 6848]	7808	[10946, 10947]	11279	[2096, 2785]
867	[1669, 1670]	4338	[7103, 7104]	7809	[3797, 10948]	11280	[2697, 2853]
868	[1671, 1672]	4339	[7105, 7106]	7810	[10949, 5619]	11281	[12744, 6324]
869	[1673, 1674]	4340	[7107, 7108]	7811	[10950, 10951]	11282	[2246, 2151]

870	[1675, 1676]	4341	[7109, 7110]	7812	[9452, 10952]	11283	[7529, 12745]
871	[1677, 1678]	4342	[7111, 2878]	7813	[5053, 10783]	11284	[11948, 12678]
872	[1679, 1680]	4343	[674, 6754]	7814	[10540, 1696]	11285	[12636, 6882]
873	[1681, 1682]	4344	[6829, 609]	7815	[10953, 415]	11286	[12063, 2139]
874	[1683, 1684]	4345	[7112, 7113]	7816	[10954, 10955]	11287	[569, 1950]
875	[1685, 1686]	4346	[7114, 654]	7817	[4870, 5358]	11288	[2954, 2392]
876	[1687, 1688]	4347	[2469, 7115]	7818	[10956, 3445]	11289	[201, 12409]
877	[308, 1689]	4348	[2993, 7116]	7819	[4904, 5010]	11290	[11770, 12243]
878	[1690, 1691]	4349	[6753, 675]	7820	[10957, 10958]	11291	[1927, 12513]
879	[1692, 1693]	4350	[2591, 2091]	7821	[4702, 10959]	11292	[705, 11646]
880	[1694, 1695]	4351	[7117, 7118]	7822	[10265, 1136]	11293	[3048, 6410]
881	[1696, 1697]	4352	[7119, 7120]	7823	[10960, 10961]	11294	[2407, 12746]
882	[1698, 1699]	4353	[7121, 6180]	7824	[10962, 5209]	11295	[7447, 2347]
883	[1700, 1701]	4354	[7122, 7123]	7825	[9563, 10963]	11296	[12747, 11847]
884	[1702, 1703]	4355	[2776, 7124]	7826	[10964, 10965]	11297	[12748, 12749]
885	[1704, 1705]	4356	[6902, 2800]	7827	[4158, 3421]	11298	[8013, 7864]
886	[1706, 1707]	4357	[7125, 2088]	7828	[8472, 10905]	11299	[6885, 12491]
887	[1708, 1709]	4358	[7007, 7126]	7829	[10966, 10967]	11300	[8120, 12381]
888	[1710, 1711]	4359	[1998, 7127]	7830	[9478, 370]	11301	[2490, 12750]
889	[1712, 1713]	4360	[7128, 7129]	7831	[10968, 10969]	11302	[12122, 3186]
890	[1714, 1715]	4361	[7130, 7131]	7832	[10970, 10971]	11303	[2152, 2337]
891	[1716, 1717]	4362	[2111, 5985]	7833	[9640, 9836]	11304	[12042, 12606]
892	[1718, 1719]	4363	[766, 6057]	7834	[10778, 4761]	11305	[11540, 5840]
893	[1720, 1721]	4364	[6187, 6169]	7835	[1011, 5295]	11306	[2981, 12751]
894	[1722, 1723]	4365	[7132, 7133]	7836	[1080, 4061]	11307	[6620, 12547]
895	[1724, 1725]	4366	[7084, 7134]	7837	[10972, 10973]	11308	[5884, 11570]
896	[1726, 1727]	4367	[7135, 2792]	7838	[10630, 5694]	11309	[12601, 7419]
897	[1728, 1729]	4368	[2343, 2796]	7839	[10974, 10314]	11310	[6107, 6199]
898	[1730, 1731]	4369	[7136, 7137]	7840	[10975, 4093]	11311	[7896, 12752]
899	[1732, 1733]	4370	[7138, 7139]	7841	[10135, 10976]	11312	[12753, 12754]
900	[1734, 1735]	4371	[7006, 6583]	7842	[10977, 8953]	11313	[5954, 12755]
901	[1736, 1737]	4372	[7140, 7141]	7843	[1173, 10458]	11314	[12454, 12301]
902	[1738, 1739]	4373	[2437, 6995]	7844	[4127, 3881]	11315	[12268, 12514]
903	[1740, 1741]	4374	[7142, 2542]	7845	[10978, 10244]	11316	[12336, 1995]
904	[1742, 1361]	4375	[7143, 6751]	7846	[10979, 10134]	11317	[8259, 12756]
905	[1743, 1744]	4376	[7144, 956]	7847	[10222, 10980]	11318	[6117, 2625]
906	[1745, 1746]	4377	[6076, 3017]	7848	[9951, 10981]	11319	[8304, 2271]
907	[1747, 1748]	4378	[6338, 2900]	7849	[10982, 10983]	11320	[6632, 12246]
908	[1749, 1750]	4379	[7145, 7146]	7850	[10984, 1282]	11321	[12345, 1958]
909	[1751, 1752]	4380	[7147, 6881]	7851	[8973, 10689]	11322	[138, 12757]
910	[1753, 1754]	4381	[7148, 1915]	7852	[10835, 10985]	11323	[12446, 12758]
911	[1755, 1756]	4382	[2315, 7149]	7853	[10986, 4864]	11324	[12031, 11917]
912	[1757, 1758]	4383	[7150, 7151]	7854	[5499, 5406]	11325	[12759, 6154]
913	[1759, 1760]	4384	[7152, 6791]	7855	[10987, 5781]	11326	[3102, 7348]

914	[1761, 1762]	4385	[6928, 7028]	7856	[4041, 10988]	11327	[7902, 11733]
915	[1763, 1764]	4386	[2563, 2150]	7857	[10989, 10990]	11328	[3044, 8362]
916	[1765, 401]	4387	[7153, 2594]	7858	[3468, 10991]	11329	[8073, 12760]
917	[1656, 1766]	4388	[7154, 2987]	7859	[1727, 10992]	11330	[2650, 12761]
918	[1767, 1768]	4389	[7155, 7156]	7860	[10993, 1462]	11331	[5883, 2773]
919	[1769, 1770]	4390	[7157, 6612]	7861	[10994, 10995]	11332	[2400, 12240]
920	[1771, 1772]	4391	[2257, 3062]	7862	[10996, 10997]	11333	[6211, 12762]
921	[1773, 1774]	4392	[7158, 228]	7863	[4933, 4091]	11334	[12050, 12337]
922	[1775, 1776]	4393	[7159, 2691]	7864	[10998, 10296]	11335	[7838, 2806]
923	[1777, 1778]	4394	[7160, 711]	7865	[4256, 10999]	11336	[12124, 1920]
924	[1779, 1780]	4395	[1890, 7161]	7866	[4232, 1390]	11337	[8300, 12763]
925	[1781, 1782]	4396	[856, 637]	7867	[11000, 11001]	11338	[12406, 12764]
926	[1783, 1784]	4397	[7162, 2172]	7868	[10194, 11002]	11339	[7854, 6266]
927	[1785, 1786]	4398	[7163, 2606]	7869	[11003, 97]	11340	[871, 12461]
928	[1787, 1788]	4399	[889, 7164]	7870	[11004, 9780]	11341	[12597, 12765]
929	[1571, 1789]	4400	[6453, 2295]	7871	[1784, 4678]	11342	[6410, 12563]
930	[1512, 1790]	4401	[3213, 7165]	7872	[11005, 11006]	11343	[12736, 2210]
931	[1791, 1792]	4402	[3144, 7166]	7873	[11007, 10775]	11344	[1915, 7227]
932	[1793, 1794]	4403	[7167, 5828]	7874	[11008, 9841]	11345	[12766, 2748]
933	[1795, 1796]	4404	[7168, 2900]	7875	[5422, 10581]	11346	[776, 6996]
934	[1797, 1798]	4405	[7169, 40]	7876	[11009, 8838]	11347	[804, 2536]
935	[1799, 1800]	4406	[7170, 7171]	7877	[11010, 4316]	11348	[1976, 8337]
936	[1801, 1802]	4407	[7172, 3282]	7878	[4746, 11011]	11349	[12448, 8289]
937	[1803, 1804]	4408	[740, 6261]	7879	[1614, 11012]	11350	[11947, 11576]
938	[1805, 1806]	4409	[7173, 7174]	7880	[3715, 11013]	11351	[6812, 8047]
939	[1807, 1808]	4410	[7175, 7176]	7881	[1082, 10704]	11352	[8005, 12664]
940	[1809, 1810]	4411	[3075, 543]	7882	[3589, 11014]	11353	[1907, 1906]
941	[1811, 1812]	4412	[1871, 7177]	7883	[11015, 4695]	11354	[12515, 12767]
942	[1813, 1814]	4413	[7178, 6683]	7884	[11016, 11017]	11355	[2635, 789]
943	[1815, 1816]	4414	[7179, 7180]	7885	[10175, 10718]	11356	[6574, 12768]
944	[1817, 1818]	4415	[7181, 644]	7886	[8904, 10081]	11357	[7990, 12010]
945	[1819, 1820]	4416	[2326, 7182]	7887	[3516, 8804]	11358	[8351, 12769]
946	[1821, 1822]	4417	[7183, 796]	7888	[9856, 3961]	11359	[6352, 11642]
947	[1823, 1824]	4418	[2145, 7184]	7889	[11018, 11019]	11360	[12071, 7753]
948	[1825, 1826]	4419	[929, 6198]	7890	[11020, 1813]	11361	[2934, 5873]
949	[1827, 1828]	4420	[2825, 7185]	7891	[9079, 11021]	11362	[12770, 11615]
950	[1829, 1830]	4421	[2285, 7186]	7892	[11022, 3489]	11363	[11888, 2652]
951	[1831, 1832]	4422	[7187, 7188]	7893	[280, 11023]	11364	[11669, 219]
952	[1833, 1834]	4423	[773, 7161]	7894	[10756, 11024]	11365	[569, 554]
953	[1835, 1836]	4424	[7189, 7190]	7895	[5667, 11025]	11366	[7681, 12725]
954	[1837, 1838]	4425	[7191, 7192]	7896	[5597, 10848]	11367	[12133, 12771]
955	[1839, 1840]	4426	[3312, 7193]	7897	[3937, 10856]	11368	[1972, 7968]
956	[1841, 1842]	4427	[7194, 7195]	7898	[11026, 3473]	11369	[7733, 7990]
957	[1843, 1844]	4428	[7196, 3036]	7899	[11027, 11028]	11370	[12748, 12772]

958	[1845, 1846]	4429	[7197, 7198]	7900	[8726, 9308]	11371	[12088, 12058]
959	[1847, 1848]	4430	[6995, 2921]	7901	[11029, 475]	11372	[6969, 6967]
960	[1849, 1850]	4431	[2720, 7199]	7902	[418, 11030]	11373	[12422, 6131]
961	[1851, 1852]	4432	[7200, 7201]	7903	[11031, 4915]	11374	[3303, 661]
962	[1853, 1854]	4433	[7202, 7203]	7904	[5631, 11032]	11375	[12773, 7417]
963	[1855, 1856]	4434	[7204, 7205]	7905	[5478, 11033]	11376	[7804, 5844]
964	[1857, 1858]	4435	[7206, 7207]	7906	[1293, 8647]	11377	[11865, 11834]
965	[1859, 1860]	4436	[2790, 246]	7907	[1311, 9084]	11378	[12079, 2197]
966	[1861, 153]	4437	[7208, 7209]	7908	[4499, 1700]	11379	[638, 3225]
967	[1862, 140]	4438	[7210, 7211]	7909	[11034, 11035]	11380	[12774, 8231]
968	[1863, 1864]	4439	[7212, 7213]	7910	[11036, 11037]	11381	[146, 6225]
969	[1865, 1866]	4440	[7214, 7215]	7911	[11038, 9254]	11382	[12686, 12775]
970	[1867, 1868]	4441	[7216, 3033]	7912	[10112, 4075]	11383	[6394, 11753]
971	[1869, 884]	4442	[7217, 824]	7913	[11039, 11040]	11384	[8174, 12724]
972	[1870, 1871]	4443	[7218, 7085]	7914	[11041, 4591]	11385	[195, 11818]
973	[1872, 1873]	4444	[2150, 2247]	7915	[11042, 5750]	11386	[11621, 11827]
974	[1874, 1875]	4445	[6728, 7219]	7916	[8701, 3920]	11387	[2602, 12776]
975	[1876, 843]	4446	[7220, 7221]	7917	[1780, 11043]	11388	[2447, 12616]
976	[1877, 1878]	4447	[7222, 7223]	7918	[11044, 10246]	11389	[12226, 12777]
977	[1879, 1880]	4448	[7224, 2272]	7919	[11045, 1292]	11390	[12553, 2187]
978	[1881, 1882]	4449	[3077, 7225]	7920	[1776, 11046]	11391	[2705, 12645]
979	[1883, 1884]	4450	[3131, 2498]	7921	[11047, 1064]	11392	[7592, 3066]
980	[1885, 781]	4451	[7226, 769]	7922	[11048, 1138]	11393	[11706, 12778]
981	[1886, 1887]	4452	[7186, 7227]	7923	[11049, 11050]	11394	[12779, 2116]
982	[1888, 1889]	4453	[7228, 5886]	7924	[4307, 11051]	11395	[12723, 12524]
983	[1890, 1891]	4454	[771, 7229]	7925	[10840, 5139]	11396	[12780, 2155]
984	[1892, 1893]	4455	[7230, 6849]	7926	[10339, 1170]	11397	[12588, 12114]
985	[1894, 1895]	4456	[7231, 7232]	7927	[11052, 11053]	11398	[7222, 7171]
986	[1896, 1897]	4457	[2501, 7233]	7928	[11054, 11007]	11399	[2365, 11860]
987	[1898, 1899]	4458	[6088, 2224]	7929	[11055, 11056]	11400	[7778, 7291]
988	[1900, 1901]	4459	[7234, 5826]	7930	[276, 11057]	11401	[7692, 6384]
989	[1902, 1903]	4460	[7235, 7236]	7931	[10635, 11058]	11402	[12298, 7212]
990	[1904, 622]	4461	[7237, 7238]	7932	[3567, 10622]	11403	[11557, 11888]
991	[1905, 1906]	4462	[2462, 3122]	7933	[8631, 11059]	11404	[12149, 11671]
992	[1907, 1908]	4463	[7239, 6960]	7934	[11060, 5734]	11405	[3060, 3027]
993	[1909, 1910]	4464	[5981, 7240]	7935	[11061, 8655]	11406	[7446, 6584]
994	[1911, 1912]	4465	[7241, 7242]	7936	[5490, 291]	11407	[2528, 12732]
995	[1913, 56]	4466	[1948, 7243]	7937	[11062, 11063]	11408	[141, 11551]
996	[923, 1914]	4467	[7244, 7245]	7938	[9894, 9006]	11409	[2692, 6830]
997	[1915, 1916]	4468	[207, 7246]	7939	[11064, 9533]	11410	[7826, 12781]
998	[1917, 1918]	4469	[7247, 7248]	7940	[3876, 11065]	11411	[11798, 12782]
999	[1919, 1920]	4470	[7174, 7249]	7941	[11066, 9982]	11412	[7303, 12783]
1000	[183, 1921]	4471	[7250, 6636]	7942	[11067, 10982]	11413	[8395, 5961]
1001	[1922, 1923]	4472	[7251, 7252]	7943	[3884, 10164]	11414	[12392, 906]

1002	[1924, 1925]	4473	[7253, 7254]	7944	[11068, 11069]	11415	[5854, 11628]
1003	[1926, 1927]	4474	[744, 2507]	7945	[5814, 10568]	11416	[3109, 6855]
1004	[1928, 1929]	4475	[7255, 7256]	7946	[11070, 10148]	11417	[689, 6786]
1005	[1930, 1931]	4476	[521, 7257]	7947	[10165, 10177]	11418	[874, 12784]
1006	[1932, 1933]	4477	[2208, 7258]	7948	[9660, 11067]	11419	[7585, 12290]
1007	[1934, 1935]	4478	[7259, 685]	7949	[11071, 5072]	11420	[2373, 7727]
1008	[1936, 1937]	4479	[633, 2505]	7950	[4086, 11072]	11421	[11883, 2621]
1009	[1938, 1939]	4480	[7260, 7261]	7951	[4393, 8502]	11422	[6602, 6833]
1010	[1940, 1941]	4481	[2445, 7262]	7952	[10650, 1147]	11423	[7282, 6844]
1011	[1942, 1943]	4482	[7263, 6480]	7953	[4152, 11073]	11424	[12742, 12702]
1012	[1944, 1945]	4483	[6477, 7264]	7954	[11074, 10722]	11425	[6807, 6864]
1013	[1946, 1947]	4484	[7265, 6531]	7955	[1193, 11075]	11426	[12785, 6582]
1014	[1948, 1949]	4485	[7266, 7267]	7956	[11076, 11077]	11427	[11786, 12721]
1015	[1950, 1951]	4486	[7268, 7269]	7957	[1709, 9616]	11428	[11629, 590]
1016	[1952, 1953]	4487	[733, 7270]	7958	[10145, 9518]	11429	[2089, 6597]
1017	[1954, 1955]	4488	[6028, 7271]	7959	[11078, 5455]	11430	[12585, 12570]
1018	[1956, 1957]	4489	[7034, 7272]	7960	[4072, 11079]	11431	[12055, 2059]
1019	[173, 1958]	4490	[2880, 7273]	7961	[9287, 8497]	11432	[6503, 6335]
1020	[1959, 1960]	4491	[7274, 920]	7962	[11080, 11081]	11433	[6277, 12694]
1021	[1961, 1962]	4492	[7275, 7276]	7963	[9375, 11082]	11434	[8007, 5895]
1022	[1963, 1964]	4493	[7277, 7278]	7964	[11083, 1359]	11435	[2232, 3126]
1023	[1965, 1966]	4494	[7279, 7280]	7965	[68, 11084]	11436	[7358, 1921]
1024	[1967, 1968]	4495	[7281, 7282]	7966	[11085, 11086]	11437	[2197, 8309]
1025	[1969, 1970]	4496	[7283, 138]	7967	[11087, 8994]	11438	[884, 8001]
1026	[1971, 1972]	4497	[7284, 7285]	7968	[11088, 9235]	11439	[5823, 6826]
1027	[1973, 1974]	4498	[7286, 7287]	7969	[10511, 1584]	11440	[2045, 8219]
1028	[1975, 1976]	4499	[689, 3105]	7970	[11089, 11090]	11441	[3106, 12004]
1029	[1977, 1978]	4500	[7288, 3175]	7971	[11091, 5601]	11442	[11932, 6622]
1030	[1979, 1980]	4501	[7289, 7290]	7972	[11092, 11093]	11443	[12372, 8389]
1031	[1981, 1982]	4502	[2016, 7291]	7973	[9047, 11094]	11444	[1958, 12019]
1032	[1983, 1984]	4503	[7292, 1967]	7974	[11095, 9075]	11445	[6115, 7630]
1033	[1985, 1986]	4504	[7293, 7294]	7975	[11096, 11097]	11446	[12240, 2517]
1034	[1987, 1988]	4505	[7295, 7296]	7976	[474, 4651]	11447	[6737, 8430]
1035	[1989, 1990]	4506	[7297, 2250]	7977	[11098, 83]	11448	[6470, 6417]
1036	[1991, 1869]	4507	[6312, 7298]	7978	[11099, 11054]	11449	[7207, 721]
1037	[1992, 1993]	4508	[2307, 6734]	7979	[5251, 11100]	11450	[8115, 3291]
1038	[1994, 829]	4509	[7299, 834]	7980	[10961, 5615]	11451	[5883, 934]
1039	[1995, 1996]	4510	[7300, 7301]	7981	[328, 11101]	11452	[7840, 7224]
1040	[1997, 1998]	4511	[669, 3185]	7982	[9802, 4666]	11453	[11610, 183]
1041	[1999, 2000]	4512	[6898, 3177]	7983	[10941, 11102]	11454	[2729, 1888]
1042	[2001, 2002]	4513	[7302, 7303]	7984	[1395, 3898]	11455	[5852, 2422]
1043	[2003, 1860]	4514	[7304, 7305]	7985	[4534, 5596]	11456	[12374, 12786]
1044	[2004, 784]	4515	[6943, 7141]	7986	[5081, 9338]	11457	[12787, 3215]
1045	[2005, 2006]	4516	[7306, 7307]	7987	[11103, 10178]	11458	[875, 12722]

1046	[2007, 2008]	4517	[7308, 6768]	7988	[5552, 10813]	11459	[12064, 7289]
1047	[2009, 2010]	4518	[7309, 7310]	7989	[1377, 10574]	11460	[12386, 772]
1048	[2011, 2012]	4519	[7311, 2344]	7990	[5203, 5671]	11461	[12464, 12121]
1049	[2013, 2014]	4520	[6345, 7312]	7991	[11104, 9743]	11462	[2552, 12021]
1050	[2015, 2016]	4521	[7313, 7107]	7992	[4266, 10069]	11463	[7402, 12427]
1051	[2017, 2018]	4522	[7314, 7055]	7993	[9354, 11105]	11464	[6083, 2322]
1052	[2019, 2020]	4523	[764, 7315]	7994	[11106, 10254]	11465	[12489, 2537]
1053	[2021, 2022]	4524	[7316, 7147]	7995	[1485, 11107]	11466	[6233, 7738]
1054	[2023, 2024]	4525	[2297, 7317]	7996	[1068, 10646]	11467	[7133, 12788]
1055	[2025, 2026]	4526	[7318, 7319]	7997	[11108, 11109]	11468	[12789, 12199]
1056	[2027, 2028]	4527	[7320, 2268]	7998	[11110, 11111]	11469	[12790, 6696]
1057	[2029, 2030]	4528	[6174, 1897]	7999	[9729, 11112]	11470	[7625, 6041]
1058	[2031, 2032]	4529	[7321, 7322]	8000	[4113, 11113]	11471	[7912, 3156]
1059	[2033, 2034]	4530	[7323, 6139]	8001	[11114, 4457]	11472	[6309, 3208]
1060	[2035, 1983]	4531	[7324, 2346]	8002	[4196, 5495]	11473	[3243, 152]
1061	[2036, 2037]	4532	[7325, 7326]	8003	[11115, 10962]	11474	[658, 12365]
1062	[2038, 2039]	4533	[6542, 7327]	8004	[10958, 11116]	11475	[2189, 673]
1063	[2040, 179]	4534	[6877, 7328]	8005	[11117, 1849]	11476	[7417, 12481]
1064	[2041, 2042]	4535	[7329, 2681]	8006	[11118, 11119]	11477	[7640, 7851]
1065	[2043, 2044]	4536	[2327, 7330]	8007	[11120, 1383]	11478	[12791, 12792]
1066	[2045, 2046]	4537	[7331, 7043]	8008	[11121, 1257]	11479	[7851, 11712]
1067	[2047, 2048]	4538	[2005, 7332]	8009	[11122, 4261]	11480	[7179, 7848]
1068	[2049, 2050]	4539	[6721, 7333]	8010	[5673, 11123]	11481	[7487, 5889]
1069	[2051, 2052]	4540	[7334, 740]	8011	[11124, 5172]	11482	[2176, 7891]
1070	[2053, 2054]	4541	[7335, 5983]	8012	[11125, 11126]	11483	[12655, 6065]
1071	[2055, 2056]	4542	[7004, 717]	8013	[11127, 11128]	11484	[11806, 7037]
1072	[2036, 2057]	4543	[11, 6555]	8014	[3838, 11129]	11485	[12587, 7526]
1073	[2058, 2059]	4544	[7214, 6916]	8015	[11130, 1108]	11486	[5970, 11960]
1074	[2060, 2061]	4545	[5957, 7336]	8016	[11131, 9796]	11487	[7655, 12793]
1075	[2062, 2063]	4546	[794, 7337]	8017	[8880, 5439]	11488	[6029, 12794]
1076	[2064, 2065]	4547	[7338, 7339]	8018	[11132, 81]	11489	[5925, 2212]
1077	[2066, 2067]	4548	[2928, 669]	8019	[11133, 11134]	11490	[11923, 11652]
1078	[2068, 2069]	4549	[7340, 876]	8020	[4119, 9875]	11491	[6913, 12362]
1079	[2070, 2071]	4550	[7341, 6624]	8021	[11135, 11136]	11492	[7306, 2661]
1080	[2072, 2073]	4551	[7072, 6055]	8022	[11137, 4170]	11493	[8306, 7127]
1081	[846, 2074]	4552	[7342, 7343]	8023	[4495, 11138]	11494	[12795, 11564]
1082	[2075, 128]	4553	[7344, 6089]	8024	[9092, 11139]	11495	[8427, 6938]
1083	[2076, 2077]	4554	[2486, 7337]	8025	[11140, 10854]	11496	[6754, 8102]
1084	[2078, 2079]	4555	[7345, 3176]	8026	[5164, 11141]	11497	[12617, 2704]
1085	[2080, 2081]	4556	[2280, 7346]	8027	[11142, 3992]	11498	[3189, 11710]
1086	[579, 2082]	4557	[7347, 7348]	8028	[11143, 11144]	11499	[2003, 12605]
1087	[2083, 2084]	4558	[6449, 6357]	8029	[4262, 4974]	11500	[5866, 7467]
1088	[2085, 2086]	4559	[2870, 7280]	8030	[10066, 10236]	11501	[2012, 12212]
1089	[2087, 2088]	4560	[7349, 7243]	8031	[3900, 10487]	11502	[2988, 12669]

1090	[2089, 2090]	4561	[6123, 7350]	8032	[11145, 5513]	11503	[6537, 7191]
1091	[2091, 2092]	4562	[7316, 6880]	8033	[11146, 5514]	11504	[7626, 12620]
1092	[2093, 2094]	4563	[7351, 7352]	8034	[3582, 981]	11505	[7891, 12781]
1093	[2095, 2096]	4564	[7353, 7354]	8035	[3504, 11147]	11506	[8444, 7532]
1094	[238, 2097]	4565	[6459, 6496]	8036	[9124, 11148]	11507	[12482, 12788]
1095	[2098, 2099]	4566	[1946, 6879]	8037	[8604, 11149]	11508	[8092, 12425]
1096	[2100, 2101]	4567	[7355, 7185]	8038	[11150, 11151]	11509	[12796, 12797]
1097	[2102, 2103]	4568	[6396, 6376]	8039	[10062, 10117]	11510	[8377, 12028]
1098	[2104, 2105]	4569	[2466, 7356]	8040	[10815, 11152]	11511	[6406, 7987]
1099	[2106, 2107]	4570	[7357, 6110]	8041	[9125, 11153]	11512	[12798, 6762]
1100	[2108, 646]	4571	[7358, 184]	8042	[11154, 10443]	11513	[12011, 12799]
1101	[2109, 2110]	4572	[2761, 7359]	8043	[10748, 8889]	11514	[6712, 12291]
1102	[2111, 2112]	4573	[7360, 6214]	8044	[11155, 11156]	11515	[7187, 12800]
1103	[2113, 2114]	4574	[2523, 2097]	8045	[9313, 11157]	11516	[11810, 12801]
1104	[2115, 2116]	4575	[3172, 7361]	8046	[8946, 11158]	11517	[7458, 12800]
1105	[2117, 2118]	4576	[7362, 7363]	8047	[8466, 16]	11518	[12687, 7168]
1106	[2119, 2120]	4577	[6717, 7364]	8048	[8724, 11159]	11519	[7593, 3212]
1107	[2121, 2122]	4578	[7365, 2405]	8049	[11160, 11161]	11520	[12486, 12802]
1108	[852, 2123]	4579	[2565, 5987]	8050	[11162, 11163]	11521	[683, 12216]
1109	[2124, 2125]	4580	[7366, 6186]	8051	[10730, 5029]	11522	[12803, 6351]
1110	[2126, 2127]	4581	[7367, 7368]	8052	[11164, 3632]	11523	[12804, 12637]
1111	[2128, 2129]	4582	[6523, 7369]	8053	[11165, 11166]	11524	[11765, 12204]
1112	[782, 2130]	4583	[2670, 7370]	8054	[11167, 11168]	11525	[7021, 7559]
1113	[2131, 2132]	4584	[3184, 6497]	8055	[11169, 11170]	11526	[7184, 8454]
1114	[2133, 2134]	4585	[7371, 7372]	8056	[11171, 9459]	11527	[6068, 12805]
1115	[2135, 2136]	4586	[2599, 6976]	8057	[5626, 3388]	11528	[7836, 6457]
1116	[2137, 2138]	4587	[5825, 7373]	8058	[11172, 5324]	11529	[6265, 12129]
1117	[2139, 2140]	4588	[2106, 2489]	8059	[3847, 5709]	11530	[6822, 11636]
1118	[2141, 2142]	4589	[7374, 2815]	8060	[1516, 11173]	11531	[219, 12414]
1119	[2143, 2144]	4590	[7375, 7376]	8061	[3347, 11174]	11532	[7341, 12806]
1120	[2145, 2146]	4591	[6829, 7377]	8062	[11175, 4769]	11533	[12807, 12756]
1121	[2147, 2148]	4592	[7378, 6928]	8063	[11176, 11177]	11534	[7119, 12752]
1122	[2094, 2149]	4593	[7379, 7380]	8064	[11178, 1261]	11535	[11655, 762]
1123	[2150, 2151]	4594	[7381, 7382]	8065	[11179, 339]	11536	[790, 12750]
1124	[2152, 2153]	4595	[3194, 961]	8066	[4704, 4726]	11537	[11992, 12808]
1125	[646, 2154]	4596	[6275, 2740]	8067	[5062, 5257]	11538	[12809, 1454]
1126	[2155, 2156]	4597	[590, 7383]	8068	[11180, 9646]	11539	[9118, 5641]
1127	[2157, 2158]	4598	[7052, 6436]	8069	[11181, 9866]	11540	[4750, 11502]
1128	[2159, 2160]	4599	[7384, 7385]	8070	[9397, 11182]	11541	[1502, 5412]
1129	[552, 2161]	4600	[7386, 7387]	8071	[11183, 11184]	11542	[12810, 10746]
1130	[2162, 2163]	4601	[7388, 7389]	8072	[9929, 11185]	11543	[12811, 12812]
1131	[2164, 756]	4602	[2128, 2325]	8073	[9923, 11186]	11544	[272, 12813]
1132	[2165, 2166]	4603	[168, 6671]	8074	[10428, 11187]	11545	[4491, 10929]
1133	[2167, 2168]	4604	[586, 7390]	8075	[4584, 11188]	11546	[11336, 9800]

1134	[2169, 2170]	4605	[7391, 236]	8076	[11189, 9352]	11547	[12814, 4529]
1135	[2171, 2172]	4606	[755, 7392]	8077	[11190, 9161]	11548	[3788, 12815]
1136	[508, 2173]	4607	[7393, 43]	8078	[11191, 8982]	11549	[12816, 4251]
1137	[2174, 628]	4608	[7394, 522]	8079	[11192, 3667]	11550	[12817, 8595]
1138	[2175, 2176]	4609	[7395, 924]	8080	[11193, 11194]	11551	[12818, 9453]
1139	[2177, 2178]	4610	[7396, 1943]	8081	[4082, 11195]	11552	[12819, 12820]
1140	[2179, 2180]	4611	[7203, 7397]	8082	[11014, 9056]	11553	[12821, 1799]
1141	[2181, 2182]	4612	[6334, 6095]	8083	[11196, 8560]	11554	[12822, 5474]
1142	[2183, 2184]	4613	[6619, 7398]	8084	[11197, 11198]	11555	[10623, 9599]
1143	[2185, 2186]	4614	[7399, 2514]	8085	[11199, 4868]	11556	[12823, 4754]
1144	[2187, 2188]	4615	[7400, 870]	8086	[8693, 5426]	11557	[12824, 12825]
1145	[2189, 2190]	4616	[6881, 7401]	8087	[9347, 11200]	11558	[5716, 12826]
1146	[2191, 2192]	4617	[7197, 1923]	8088	[1754, 11201]	11559	[4551, 11108]
1147	[2193, 2194]	4618	[7402, 7403]	8089	[9386, 10122]	11560	[12827, 417]
1148	[2195, 2196]	4619	[7404, 7405]	8090	[4830, 10987]	11561	[9720, 12828]
1149	[2197, 2198]	4620	[7406, 6368]	8091	[9405, 8745]	11562	[10625, 12829]
1150	[2199, 658]	4621	[7407, 6288]	8092	[9253, 11167]	11563	[9002, 11363]
1151	[2200, 2201]	4622	[7165, 603]	8093	[11202, 10040]	11564	[5459, 8777]
1152	[2202, 2203]	4623	[3045, 6484]	8094	[11203, 11204]	11565	[9829, 12830]
1153	[2204, 2205]	4624	[7408, 2362]	8095	[9754, 10335]	11566	[12831, 12832]
1154	[2206, 1912]	4625	[853, 2931]	8096	[11205, 11206]	11567	[3709, 12833]
1155	[2207, 2208]	4626	[7409, 2223]	8097	[10250, 9844]	11568	[4788, 10919]
1156	[2209, 2210]	4627	[7410, 2744]	8098	[5350, 11207]	11569	[8589, 11070]
1157	[2211, 2212]	4628	[7411, 7412]	8099	[3979, 4267]	11570	[3359, 10240]
1158	[2213, 2214]	4629	[3282, 7413]	8100	[10589, 11208]	11571	[12834, 11524]
1159	[2215, 2216]	4630	[770, 2026]	8101	[8829, 11209]	11572	[1270, 12835]
1160	[2217, 2218]	4631	[6254, 2593]	8102	[1305, 11210]	11573	[10185, 378]
1161	[2219, 609]	4632	[7414, 3250]	8103	[1307, 10675]	11574	[11423, 12836]
1162	[2220, 2221]	4633	[6221, 6129]	8104	[11211, 4697]	11575	[8614, 11222]
1163	[2222, 2223]	4634	[6662, 2676]	8105	[9957, 11212]	11576	[12837, 12838]
1164	[2224, 850]	4635	[7415, 544]	8106	[10871, 4783]	11577	[12839, 12840]
1165	[2225, 2191]	4636	[6890, 7416]	8107	[9122, 11213]	11578	[10128, 4431]
1166	[2226, 2227]	4637	[7417, 7418]	8108	[11187, 11214]	11579	[8665, 4089]
1167	[2228, 2229]	4638	[7229, 728]	8109	[9950, 4217]	11580	[12841, 9368]
1168	[2230, 2231]	4639	[7419, 7420]	8110	[11215, 11216]	11581	[11230, 3369]
1169	[2232, 2233]	4640	[6288, 3001]	8111	[9216, 11217]	11582	[12842, 3570]
1170	[2234, 2235]	4641	[928, 7421]	8112	[11218, 10006]	11583	[12843, 11009]
1171	[51, 2236]	4642	[2716, 7422]	8113	[4101, 10149]	11584	[8703, 10946]
1172	[2237, 2238]	4643	[7423, 7424]	8114	[11219, 4178]	11585	[12844, 10051]
1173	[2239, 2240]	4644	[7425, 2174]	8115	[11220, 11145]	11586	[12845, 11511]
1174	[2241, 2242]	4645	[7426, 896]	8116	[11221, 10621]	11587	[12846, 11496]
1175	[2243, 802]	4646	[7427, 7082]	8117	[11222, 11223]	11588	[12847, 10832]
1176	[2244, 2245]	4647	[7428, 640]	8118	[11224, 11225]	11589	[12848, 11325]
1177	[2246, 2247]	4648	[865, 7429]	8119	[11226, 8611]	11590	[9262, 1482]

1178	[2248, 2249]	4649	[7430, 2661]	8120	[3827, 9940]	11591	[9927, 1556]
1179	[2250, 2251]	4650	[2489, 790]	8121	[9523, 11227]	11592	[11156, 11529]
1180	[2252, 2253]	4651	[7431, 6751]	8122	[10788, 11228]	11593	[12849, 1734]
1181	[2254, 2255]	4652	[1962, 7432]	8123	[10029, 4274]	11594	[9007, 3710]
1182	[560, 2256]	4653	[2687, 2100]	8124	[4798, 9072]	11595	[12850, 12851]
1183	[2257, 575]	4654	[7433, 2104]	8125	[11229, 5063]	11596	[9266, 12852]
1184	[2258, 2259]	4655	[6655, 2725]	8126	[5340, 11230]	11597	[10218, 12853]
1185	[2260, 2261]	4656	[7219, 7434]	8127	[5646, 4670]	11598	[12854, 12855]
1186	[2262, 2263]	4657	[755, 6803]	8128	[4778, 4872]	11599	[11533, 12856]
1187	[2264, 2265]	4658	[7435, 2680]	8129	[11231, 10594]	11600	[12857, 12858]
1188	[2266, 2267]	4659	[7436, 7437]	8130	[10692, 11232]	11601	[8874, 9154]
1189	[2268, 187]	4660	[7438, 150]	8131	[9678, 5106]	11602	[10216, 283]
1190	[2269, 2270]	4661	[7439, 889]	8132	[11233, 11234]	11603	[9408, 65]
1191	[2271, 2272]	4662	[7440, 2669]	8133	[11235, 9036]	11604	[1268, 9227]
1192	[2273, 2274]	4663	[6238, 7441]	8134	[11236, 8529]	11605	[12859, 11110]
1193	[2275, 2276]	4664	[2663, 7442]	8135	[11237, 11235]	11606	[4095, 12860]
1194	[2277, 2278]	4665	[7443, 2533]	8136	[9745, 11238]	11607	[10456, 9928]
1195	[2279, 2280]	4666	[5870, 3240]	8137	[11239, 9809]	11608	[80, 9821]
1196	[2281, 2282]	4667	[3272, 7444]	8138	[11240, 11241]	11609	[3897, 12861]
1197	[2283, 2284]	4668	[6646, 240]	8139	[5207, 4079]	11610	[9358, 10348]
1198	[2285, 1915]	4669	[7445, 7446]	8140	[10160, 11242]	11611	[12862, 12863]
1199	[2286, 2287]	4670	[7017, 7092]	8141	[11243, 4496]	11612	[12864, 3695]
1200	[2288, 2289]	4671	[3013, 7447]	8142	[11119, 11244]	11613	[12865, 5202]
1201	[2290, 2291]	4672	[7448, 761]	8143	[10388, 11245]	11614	[5547, 9656]
1202	[2292, 2293]	4673	[7449, 7450]	8144	[10094, 3659]	11615	[11468, 12866]
1203	[2294, 2295]	4674	[7451, 699]	8145	[10892, 9406]	11616	[8574, 12867]
1204	[2296, 202]	4675	[7452, 2125]	8146	[11051, 9824]	11617	[1670, 4130]
1205	[2297, 2298]	4676	[7453, 6562]	8147	[10457, 4327]	11618	[10764, 8538]
1206	[2240, 166]	4677	[7454, 7455]	8148	[1319, 11246]	11619	[3868, 10719]
1207	[2299, 2300]	4678	[7456, 5907]	8149	[10991, 11247]	11620	[12868, 12869]
1208	[2301, 2302]	4679	[613, 7457]	8150	[10332, 11248]	11621	[12870, 3552]
1209	[2303, 2304]	4680	[7458, 7188]	8151	[8151, 8151]	11622	[12871, 5389]
1210	[2305, 2306]	4681	[2519, 7258]	8152	[8837, 11249]	11623	[9331, 1640]
1211	[2307, 807]	4682	[2714, 2354]	8153	[11250, 11251]	11624	[3834, 11437]
1212	[2308, 141]	4683	[7459, 7460]	8154	[11252, 11199]	11625	[4639, 9764]
1213	[2309, 2310]	4684	[7461, 7462]	8155	[11253, 11254]	11626	[10356, 305]
1214	[2311, 2312]	4685	[174, 7463]	8156	[11255, 10842]	11627	[9489, 11364]
1215	[2313, 2314]	4686	[7424, 7464]	8157	[3705, 9113]	11628	[12872, 4197]
1216	[2315, 2316]	4687	[3283, 3267]	8158	[11256, 11257]	11629	[4973, 1145]
1217	[692, 2317]	4688	[7465, 7466]	8159	[9868, 9969]	11630	[12873, 8943]
1218	[2318, 2319]	4689	[6194, 7467]	8160	[11258, 11259]	11631	[10182, 12874]
1219	[2320, 2321]	4690	[2645, 3181]	8161	[9438, 11260]	11632	[5140, 12875]
1220	[2322, 2323]	4691	[7468, 1876]	8162	[11261, 3912]	11633	[12876, 9237]
1221	[2324, 2325]	4692	[624, 788]	8163	[11262, 4304]	11634	[12877, 12878]

1222	[2326, 2327]	4693	[1964, 7469]	8164	[4900, 11263]	11635	[10099, 993]
1223	[2328, 2329]	4694	[7470, 7471]	8165	[11264, 3508]	11636	[9878, 9554]
1224	[2330, 2112]	4695	[7472, 2767]	8166	[11265, 9329]	11637	[11269, 10979]
1225	[2331, 1990]	4696	[7473, 2150]	8167	[10786, 11266]	11638	[5473, 1418]
1226	[2332, 2333]	4697	[7474, 7475]	8168	[10855, 11267]	11639	[10678, 12879]
1227	[2334, 2335]	4698	[2928, 3094]	8169	[11268, 11269]	11640	[8499, 4581]
1228	[2336, 2337]	4699	[7476, 249]	8170	[10230, 11270]	11641	[3580, 1335]
1229	[2338, 2339]	4700	[6949, 7477]	8171	[9471, 11253]	11642	[12880, 4381]
1230	[2340, 2341]	4701	[1985, 7417]	8172	[10483, 11271]	11643	[3462, 10803]
1231	[2342, 2343]	4702	[6820, 7478]	8173	[10491, 11272]	11644	[10414, 9029]
1232	[2344, 2345]	4703	[7252, 7479]	8174	[11273, 9391]	11645	[4226, 12881]
1233	[2289, 2346]	4704	[6425, 2856]	8175	[11274, 1588]	11646	[1154, 12882]
1234	[2347, 224]	4705	[7480, 3026]	8176	[11275, 11276]	11647	[12883, 12884]
1235	[2348, 2349]	4706	[7481, 7482]	8177	[8870, 11277]	11648	[12885, 12886]
1236	[2350, 2351]	4707	[2055, 7483]	8178	[3623, 11278]	11649	[10672, 12887]
1237	[2352, 2317]	4708	[7484, 7485]	8179	[11279, 11127]	11650	[9037, 10966]
1238	[2353, 2354]	4709	[2600, 7486]	8180	[11280, 5680]	11651	[12888, 12889]
1239	[2355, 2356]	4710	[233, 2588]	8181	[11281, 11282]	11652	[12890, 9137]
1240	[2357, 2358]	4711	[7487, 2441]	8182	[10119, 11283]	11653	[5653, 11252]
1241	[2359, 2360]	4712	[6655, 7488]	8183	[4210, 4777]	11654	[12891, 1370]
1242	[2361, 2362]	4713	[3034, 7010]	8184	[11284, 11285]	11655	[12892, 12893]
1243	[803, 2363]	4714	[2348, 2805]	8185	[4483, 10365]	11656	[5150, 12894]
1244	[2364, 2365]	4715	[38, 6146]	8186	[11286, 9992]	11657	[8772, 9999]
1245	[2366, 2367]	4716	[7050, 7489]	8187	[290, 11287]	11658	[11326, 11008]
1246	[2368, 2369]	4717	[7490, 7491]	8188	[11288, 11289]	11659	[8942, 12895]
1247	[2370, 2371]	4718	[7383, 7492]	8189	[11290, 277]	11660	[375, 12896]
1248	[2372, 2373]	4719	[6567, 2166]	8190	[3532, 11291]	11661	[5033, 9327]
1249	[2374, 2375]	4720	[7493, 5917]	8191	[8808, 9341]	11662	[5800, 11103]
1250	[2376, 2377]	4721	[6982, 1981]	8192	[11292, 5581]	11663	[12897, 10030]
1251	[2378, 2379]	4722	[7494, 7495]	8193	[4508, 11293]	11664	[12898, 3970]
1252	[2380, 2381]	4723	[1913, 7496]	8194	[8834, 9742]	11665	[10731, 10652]
1253	[2382, 2383]	4724	[7497, 7498]	8195	[1830, 3924]	11666	[9871, 12899]
1254	[2384, 2385]	4725	[2860, 2046]	8196	[3774, 11294]	11667	[11097, 12900]
1255	[2386, 2387]	4726	[7499, 7500]	8197	[11295, 11296]	11668	[12901, 1807]
1256	[2388, 2389]	4727	[7501, 7502]	8198	[11297, 11298]	11669	[12902, 435]
1257	[2390, 2391]	4728	[2852, 7503]	8199	[4133, 11299]	11670	[12903, 12904]
1258	[2392, 2393]	4729	[7504, 6322]	8200	[3999, 11300]	11671	[12905, 4994]
1259	[2394, 2395]	4730	[7505, 7506]	8201	[11301, 9971]	11672	[12852, 12906]
1260	[2396, 598]	4731	[7507, 33]	8202	[9049, 9840]	11673	[12907, 5795]
1261	[2397, 1954]	4732	[5950, 7508]	8203	[11302, 3965]	11674	[12908, 11179]
1262	[2398, 2399]	4733	[7509, 7510]	8204	[11303, 11304]	11675	[8489, 4976]
1263	[2400, 519]	4734	[7511, 6203]	8205	[4790, 315]	11676	[10641, 10514]
1264	[2401, 2402]	4735	[7512, 169]	8206	[8697, 10649]	11677	[10605, 1460]
1265	[2403, 2404]	4736	[5927, 7401]	8207	[11305, 11306]	11678	[9199, 9279]

1266	[1917, 2405]	4737	[7513, 7484]	8208	[11307, 11308]	11679	[12909, 12910]
1267	[2406, 2407]	4738	[7514, 6191]	8209	[11309, 8482]	11680	[10307, 293]
1268	[2408, 2409]	4739	[3090, 7515]	8210	[11310, 4906]	11681	[12911, 12912]
1269	[2410, 2411]	4740	[2783, 2979]	8211	[11149, 11311]	11682	[12913, 8682]
1270	[2412, 2413]	4741	[7516, 7517]	8212	[9979, 11312]	11683	[12914, 3842]
1271	[695, 2414]	4742	[5913, 7518]	8213	[3438, 11313]	11684	[12915, 11497]
1272	[2415, 2416]	4743	[7519, 503]	8214	[11271, 10471]	11685	[10472, 12916]
1273	[2417, 2418]	4744	[7520, 6023]	8215	[11314, 11315]	11686	[12889, 12818]
1274	[2419, 2420]	4745	[7521, 7522]	8216	[9516, 11316]	11687	[3800, 8664]
1275	[2421, 2422]	4746	[7523, 2300]	8217	[11317, 4482]	11688	[986, 4658]
1276	[2423, 2424]	4747	[6281, 7524]	8218	[11318, 11319]	11689	[12917, 12918]
1277	[2425, 960]	4748	[7525, 7526]	8219	[10376, 11320]	11690	[4908, 8915]
1278	[2426, 44]	4749	[7527, 6650]	8220	[3687, 9592]	11691	[12919, 12920]
1279	[2427, 715]	4750	[7528, 2081]	8221	[1520, 11321]	11692	[8624, 9389]
1280	[2428, 2429]	4751	[2871, 7529]	8222	[4556, 11114]	11693	[3805, 11462]
1281	[2430, 2431]	4752	[6070, 2341]	8223	[11322, 11323]	11694	[5234, 12921]
1282	[2432, 2433]	4753	[6344, 7530]	8224	[11324, 9530]	11695	[12922, 4756]
1283	[2434, 2048]	4754	[7531, 7295]	8225	[11325, 11326]	11696	[12923, 5676]
1284	[2435, 2436]	4755	[785, 7532]	8226	[11327, 10751]	11697	[12924, 12925]
1285	[2437, 2438]	4756	[6944, 7179]	8227	[4782, 11328]	11698	[9577, 5003]
1286	[2439, 2440]	4757	[648, 6373]	8228	[9493, 5664]	11699	[12926, 5775]
1287	[2441, 2442]	4758	[6529, 2495]	8229	[10203, 11329]	11700	[4685, 10024]
1288	[2060, 2443]	4759	[6226, 7533]	8230	[3368, 11330]	11701	[12927, 12928]
1289	[925, 2444]	4760	[7534, 7535]	8231	[11331, 5746]	11702	[12929, 10049]
1290	[2445, 2446]	4761	[2342, 6827]	8232	[4567, 1851]	11703	[10889, 4467]
1291	[2447, 2448]	4762	[6347, 216]	8233	[11332, 11333]	11704	[11438, 75]
1292	[2449, 2450]	4763	[7100, 7536]	8234	[11334, 11240]	11705	[11378, 12930]
1293	[2451, 2452]	4764	[7537, 7538]	8235	[11335, 11336]	11706	[11032, 12931]
1294	[2453, 2454]	4765	[2835, 1904]	8236	[10608, 125]	11707	[1339, 1747]
1295	[2455, 2456]	4766	[7539, 7540]	8237	[10729, 11337]	11708	[11186, 10863]
1296	[2457, 2458]	4767	[7541, 6771]	8238	[11173, 10079]	11709	[10267, 12932]
1297	[599, 2459]	4768	[7542, 2602]	8239	[11227, 11338]	11710	[5602, 12933]
1298	[2460, 2461]	4769	[7543, 7101]	8240	[10349, 11339]	11711	[10575, 12934]
1299	[2462, 2463]	4770	[7544, 2809]	8241	[11340, 11341]	11712	[10770, 8621]
1300	[2464, 2465]	4771	[7545, 546]	8242	[9615, 11342]	11713	[12935, 3731]
1301	[2466, 2467]	4772	[3304, 662]	8243	[11343, 11344]	11714	[11396, 11029]
1302	[2468, 2469]	4773	[7546, 7547]	8244	[11345, 11346]	11715	[3664, 12936]
1303	[2470, 2471]	4774	[7548, 7549]	8245	[11347, 1340]	11716	[12937, 10043]
1304	[2472, 2473]	4775	[7550, 2058]	8246	[4190, 11348]	11717	[12938, 5379]
1305	[2474, 2475]	4776	[7551, 2084]	8247	[11349, 10773]	11718	[12939, 5013]
1306	[2476, 2477]	4777	[6651, 3152]	8248	[9960, 11350]	11719	[4592, 11359]
1307	[236, 2478]	4778	[6976, 6200]	8249	[4414, 9549]	11720	[12940, 4047]
1308	[2479, 2480]	4779	[6207, 171]	8250	[10498, 11351]	11721	[10050, 12941]
1309	[580, 2481]	4780	[7552, 7553]	8251	[11352, 8976]	11722	[12942, 1825]

1310	[2482, 2483]	4781	[7554, 214]	8252	[11353, 11354]	11723	[8634, 3428]
1311	[2484, 2485]	4782	[6730, 7382]	8253	[9912, 8581]	11724	[12943, 394]
1312	[793, 2486]	4783	[7281, 7555]	8254	[11355, 11356]	11725	[12944, 12945]
1313	[2487, 2488]	4784	[6360, 7556]	8255	[9816, 9321]	11726	[12946, 12947]
1314	[2489, 2490]	4785	[7557, 6267]	8256	[11357, 11358]	11727	[11316, 10986]
1315	[2491, 2492]	4786	[7558, 7559]	8257	[11359, 4175]	11728	[5655, 12948]
1316	[2493, 2494]	4787	[1996, 7560]	8258	[3379, 11360]	11729	[9309, 9271]
1317	[2495, 2496]	4788	[7511, 3141]	8259	[11361, 3858]	11730	[12949, 4531]
1318	[2497, 2498]	4789	[2891, 7561]	8260	[5320, 11362]	11731	[12900, 3622]
1319	[2499, 2500]	4790	[7562, 621]	8261	[5368, 1642]	11732	[9436, 9668]
1320	[907, 2501]	4791	[7563, 7295]	8262	[11363, 11190]	11733	[4784, 1628]
1321	[2502, 2503]	4792	[2107, 2490]	8263	[11364, 109]	11734	[9943, 368]
1322	[2504, 2505]	4793	[6967, 7564]	8264	[9666, 11365]	11735	[12950, 11180]
1323	[2506, 2507]	4794	[148, 7565]	8265	[11366, 11367]	11736	[10671, 12951]
1324	[2508, 2509]	4795	[6455, 2793]	8266	[11368, 10759]	11737	[12952, 12953]
1325	[2510, 2511]	4796	[7566, 3336]	8267	[10150, 11369]	11738	[12954, 4042]
1326	[2512, 2513]	4797	[7567, 2516]	8268	[11370, 11309]	11739	[12955, 11403]
1327	[949, 2514]	4798	[3134, 6813]	8269	[11371, 11372]	11740	[12956, 5237]
1328	[2515, 2516]	4799	[7568, 2429]	8270	[88, 11373]	11741	[12957, 12958]
1329	[519, 2517]	4800	[7569, 7570]	8271	[11374, 335]	11742	[3935, 10681]
1330	[2518, 2427]	4801	[7571, 6931]	8272	[11375, 4636]	11743	[12959, 10343]
1331	[2207, 2519]	4802	[7572, 2240]	8273	[5347, 11376]	11744	[3855, 10391]
1332	[2520, 769]	4803	[7573, 7071]	8274	[11377, 11378]	11745	[10930, 10169]
1333	[2521, 2522]	4804	[7574, 7575]	8275	[10888, 11379]	11746	[5756, 12960]
1334	[2523, 239]	4805	[7493, 3280]	8276	[11380, 9832]	11747	[12961, 1513]
1335	[2524, 2525]	4806	[7259, 7576]	8277	[11381, 11382]	11748	[12962, 12963]
1336	[2526, 2527]	4807	[7234, 7373]	8278	[10031, 11349]	11749	[8963, 10413]
1337	[2528, 2529]	4808	[7423, 2241]	8279	[11383, 9919]	11750	[9222, 5688]
1338	[2530, 2531]	4809	[7032, 171]	8280	[8895, 4672]	11751	[10833, 11243]
1339	[2532, 2533]	4810	[6614, 6143]	8281	[10980, 11384]	11752	[4882, 12964]
1340	[2534, 2535]	4811	[7577, 2178]	8282	[4045, 11385]	11753	[11198, 12965]
1341	[2536, 2537]	4812	[7578, 7579]	8283	[10933, 11386]	11754	[12966, 11370]
1342	[2538, 649]	4813	[6618, 820]	8284	[9134, 11264]	11755	[3515, 5719]
1343	[2539, 2540]	4814	[2032, 7580]	8285	[9023, 11387]	11756	[12967, 12968]
1344	[2541, 2542]	4815	[7581, 6338]	8286	[5152, 11388]	11757	[4710, 5031]
1345	[2543, 2064]	4816	[7582, 2163]	8287	[1440, 11389]	11758	[12969, 10846]
1346	[2544, 2158]	4817	[7583, 7574]	8288	[1748, 5180]	11759	[1137, 12970]
1347	[2048, 2545]	4818	[7584, 7539]	8289	[11356, 11104]	11760	[12971, 355]
1348	[2546, 2547]	4819	[2533, 6033]	8290	[9752, 11390]	11761	[12972, 4913]
1349	[2548, 2547]	4820	[6576, 6880]	8291	[11391, 4787]	11762	[5302, 5183]
1350	[2549, 2550]	4821	[7571, 7333]	8292	[11392, 3865]	11763	[12973, 12974]
1351	[2551, 2552]	4822	[7585, 7586]	8293	[10321, 8884]	11764	[12975, 4645]
1352	[2553, 2554]	4823	[7587, 716]	8294	[11346, 11393]	11765	[10245, 4140]
1353	[2555, 1967]	4824	[7588, 7589]	8295	[11394, 10688]	11766	[4734, 12976]

1354	[2556, 2557]	4825	[7590, 6966]	8296	[11395, 11396]	11767	[4062, 12977]
1355	[2558, 2559]	4826	[2536, 7591]	8297	[8540, 11355]	11768	[11225, 9196]
1356	[2560, 2561]	4827	[7592, 7338]	8298	[8503, 3908]	11769	[5793, 4367]
1357	[2562, 2554]	4828	[530, 7593]	8299	[4270, 3922]	11770	[9504, 12978]
1358	[2563, 2246]	4829	[2933, 2100]	8300	[11397, 11398]	11771	[12979, 4142]
1359	[2564, 2565]	4830	[2723, 7594]	8301	[11399, 4157]	11772	[9485, 11042]
1360	[2566, 2567]	4831	[7595, 3024]	8302	[10896, 11400]	11773	[12980, 5250]
1361	[2568, 1858]	4832	[3228, 5839]	8303	[11401, 11402]	11774	[12981, 10311]
1362	[2569, 144]	4833	[7596, 193]	8304	[11403, 10209]	11775	[10268, 11422]
1363	[2570, 2571]	4834	[2061, 7597]	8305	[11404, 11405]	11776	[12982, 4978]
1364	[2572, 2573]	4835	[7598, 7254]	8306	[4991, 11406]	11777	[12833, 4612]
1365	[2574, 2575]	4836	[7599, 7600]	8307	[3599, 9773]	11778	[12983, 11261]
1366	[2576, 663]	4837	[7144, 7601]	8308	[9888, 11357]	11779	[12984, 10493]
1367	[2452, 2577]	4838	[7602, 2520]	8309	[9399, 9622]	11780	[10104, 12985]
1368	[2578, 2579]	4839	[7131, 890]	8310	[11407, 11408]	11781	[12986, 5032]
1369	[2580, 2581]	4840	[7603, 7604]	8311	[11409, 10877]	11782	[5784, 989]
1370	[2582, 2431]	4841	[1942, 2230]	8312	[11410, 10369]	11783	[12987, 5485]
1371	[2583, 2584]	4842	[211, 7605]	8313	[11287, 1014]	11784	[9451, 12988]
1372	[2585, 2586]	4843	[7606, 7607]	8314	[10342, 11411]	11785	[5232, 12989]
1373	[716, 2587]	4844	[7608, 7609]	8315	[10940, 11412]	11786	[9351, 12990]
1374	[2588, 2589]	4845	[7610, 6402]	8316	[271, 1349]	11787	[4582, 12991]
1375	[2590, 2591]	4846	[7611, 7612]	8317	[11413, 10763]	11788	[10113, 8762]
1376	[2592, 2593]	4847	[7613, 7614]	8318	[1525, 4421]	11789	[10205, 9433]
1377	[2594, 2595]	4848	[7255, 7059]	8319	[9739, 4707]	11790	[12992, 12993]
1378	[2596, 2597]	4849	[7615, 7208]	8320	[11414, 11415]	11791	[12994, 12995]
1379	[2598, 2599]	4850	[6014, 5980]	8321	[11416, 11395]	11792	[12996, 4969]
1380	[2044, 709]	4851	[6936, 7616]	8322	[11417, 11418]	11793	[11139, 4077]
1381	[2600, 2601]	4852	[7617, 7618]	8323	[10129, 10166]	11794	[11386, 5509]
1382	[2429, 777]	4853	[7619, 7620]	8324	[1005, 5797]	11795	[10275, 9038]
1383	[2602, 2603]	4854	[7621, 2145]	8325	[10676, 8767]	11796	[12838, 9614]
1384	[2604, 2402]	4855	[3321, 7622]	8326	[1397, 11419]	11797	[12997, 10331]
1385	[2605, 2606]	4856	[6367, 7623]	8327	[10816, 11420]	11798	[1543, 12998]
1386	[2607, 2608]	4857	[6735, 2485]	8328	[10286, 11421]	11799	[12999, 13000]
1387	[2586, 2609]	4858	[7624, 7625]	8329	[9108, 1078]	11800	[5500, 13001]
1388	[2610, 2611]	4859	[7626, 625]	8330	[11422, 11423]	11801	[13002, 5381]
1389	[2612, 2613]	4860	[7627, 2236]	8331	[9447, 3630]	11802	[13003, 9963]
1390	[2614, 2615]	4861	[913, 6519]	8332	[8606, 11424]	11803	[13004, 13005]
1391	[2616, 2617]	4862	[7628, 7629]	8333	[11059, 5170]	11804	[420, 10564]
1392	[2618, 2619]	4863	[7555, 6758]	8334	[9270, 11425]	11805	[13006, 13007]
1393	[2620, 2621]	4864	[1995, 7630]	8335	[11426, 10617]	11806	[3740, 10093]
1394	[2622, 2623]	4865	[748, 6509]	8336	[10601, 8796]	11807	[11418, 4051]
1395	[2624, 2625]	4866	[7631, 7632]	8337	[9635, 5280]	11808	[9862, 10384]
1396	[2626, 2627]	4867	[7633, 577]	8338	[1577, 9193]	11809	[4748, 9088]
1397	[2628, 2629]	4868	[7601, 7001]	8339	[9231, 11427]	11810	[8676, 13008]

1398	[2630, 2631]	4869	[7634, 780]	8340	[1072, 11010]	11811	[10985, 9265]
1399	[2632, 945]	4870	[7635, 7636]	8341	[10161, 11428]	11812	[13009, 13010]
1400	[2633, 2634]	4871	[7637, 2243]	8342	[9933, 11429]	11813	[13011, 3433]
1401	[666, 2635]	4872	[6013, 5979]	8343	[4880, 4621]	11814	[13012, 13013]
1402	[2636, 2637]	4873	[7638, 7639]	8344	[1435, 10808]	11815	[10405, 3901]
1403	[2638, 589]	4874	[6422, 3158]	8345	[11430, 3724]	11816	[13014, 10909]
1404	[2639, 636]	4875	[7625, 6366]	8346	[1598, 9070]	11817	[10019, 13015]
1405	[2640, 2641]	4876	[166, 2598]	8347	[11431, 10108]	11818	[9757, 10707]
1406	[2642, 2643]	4877	[881, 7640]	8348	[5520, 11432]	11819	[9532, 13016]
1407	[2169, 2644]	4878	[2619, 7641]	8349	[1109, 11083]	11820	[4305, 13017]
1408	[2645, 2646]	4879	[2432, 7407]	8350	[11433, 11434]	11821	[11291, 13018]
1409	[2647, 2648]	4880	[7642, 7643]	8351	[11435, 9665]	11822	[9858, 13019]
1410	[654, 565]	4881	[7644, 7645]	8352	[9551, 11436]	11823	[4679, 13020]
1411	[2649, 2650]	4882	[2009, 7646]	8353	[11437, 11438]	11824	[3418, 13021]
1412	[2651, 2652]	4883	[517, 7647]	8354	[10363, 9442]	11825	[3364, 5617]
1413	[2653, 2654]	4884	[7648, 7649]	8355	[10228, 11191]	11826	[13022, 10290]
1414	[2655, 2656]	4885	[2803, 7650]	8356	[11439, 4083]	11827	[11075, 13023]
1415	[2657, 2658]	4886	[7651, 7652]	8357	[3647, 9520]	11828	[1047, 11507]
1416	[2659, 2660]	4887	[7653, 6382]	8358	[4688, 289]	11829	[3604, 13024]
1417	[2661, 2185]	4888	[2779, 7654]	8359	[11440, 5518]	11830	[11457, 13025]
1418	[2662, 2663]	4889	[589, 7655]	8360	[11441, 11442]	11831	[8733, 9818]
1419	[2664, 2665]	4890	[7656, 7657]	8361	[11443, 11444]	11832	[9864, 13026]
1420	[2666, 2509]	4891	[7658, 6915]	8362	[4254, 10667]	11833	[13027, 10468]
1421	[2667, 2668]	4892	[6168, 6188]	8363	[11445, 11099]	11834	[4654, 3818]
1422	[2669, 2148]	4893	[7659, 7660]	8364	[11446, 11335]	11835	[13028, 10698]
1423	[2670, 2671]	4894	[1978, 7661]	8365	[11447, 10900]	11836	[13029, 1432]
1424	[2672, 2673]	4895	[7662, 7619]	8366	[10598, 11448]	11837	[1019, 11443]
1425	[2674, 2675]	4896	[6354, 6372]	8367	[9166, 11250]	11838	[13030, 13031]
1426	[551, 2676]	4897	[7203, 7663]	8368	[4436, 11449]	11839	[8721, 12975]
1427	[2677, 2678]	4898	[7664, 7665]	8369	[8578, 11450]	11840	[3902, 9560]
1428	[2679, 2680]	4899	[7666, 7138]	8370	[11451, 9135]	11841	[13032, 13033]
1429	[2681, 2682]	4900	[7667, 2025]	8371	[11452, 4447]	11842	[5198, 9481]
1430	[2683, 1981]	4901	[7163, 7668]	8372	[11453, 11454]	11843	[13034, 13035]
1431	[2684, 2685]	4902	[7669, 863]	8373	[11455, 8917]	11844	[11400, 1184]
1432	[2686, 2687]	4903	[2125, 2529]	8374	[11456, 11457]	11845	[13036, 973]
1433	[2688, 2689]	4904	[615, 7670]	8375	[11458, 11459]	11846	[3962, 10870]
1434	[2690, 2691]	4905	[7671, 7672]	8376	[9605, 11460]	11847	[5681, 4463]
1435	[2692, 2693]	4906	[7606, 6510]	8377	[8813, 10237]	11848	[13037, 11280]
1436	[2694, 2695]	4907	[6199, 7673]	8378	[11461, 10213]	11849	[10015, 8572]
1437	[2696, 2697]	4908	[7674, 7675]	8379	[4550, 9996]	11850	[1693, 11440]
1438	[658, 2698]	4909	[7676, 7677]	8380	[11462, 8532]	11851	[13038, 4433]
1439	[2699, 2700]	4910	[7678, 6937]	8381	[11463, 11464]	11852	[1330, 13039]
1440	[2701, 2702]	4911	[7551, 6377]	8382	[4910, 9200]	11853	[13040, 13041]
1441	[2481, 2703]	4912	[515, 7679]	8383	[9284, 11091]	11854	[4641, 10188]

1442	[2704, 2705]	4913	[2754, 7019]	8384	[11465, 11466]	11855	[13042, 13043]
1443	[2283, 2706]	4914	[926, 7680]	8385	[11467, 11468]	11856	[3679, 8688]
1444	[2707, 2708]	4915	[7681, 1988]	8386	[11469, 11470]	11857	[13044, 4410]
1445	[628, 2709]	4916	[6833, 2114]	8387	[11471, 8590]	11858	[8778, 9806]
1446	[2710, 2711]	4917	[3046, 7682]	8388	[10505, 11472]	11859	[13045, 13046]
1447	[2712, 2713]	4918	[1952, 7683]	8389	[10806, 11047]	11860	[4260, 975]
1448	[582, 2409]	4919	[7684, 7685]	8390	[11473, 11474]	11861	[13047, 1071]
1449	[2714, 2715]	4920	[7566, 7686]	8391	[469, 11475]	11862	[13048, 10844]
1450	[2716, 2717]	4921	[7125, 6748]	8392	[11476, 10670]	11863	[3895, 13049]
1451	[2718, 172]	4922	[7624, 7675]	8393	[3985, 4653]	11864	[13050, 13051]
1452	[2719, 2720]	4923	[7687, 7688]	8394	[11477, 11478]	11865	[3619, 13052]
1453	[2721, 2722]	4924	[7689, 7690]	8395	[11479, 9794]	11866	[1758, 11498]
1454	[2372, 2723]	4925	[7691, 6829]	8396	[4, 3848]	11867	[13053, 13054]
1455	[2724, 2725]	4926	[7692, 7693]	8397	[11480, 1275]	11868	[13055, 13056]
1456	[2726, 2727]	4927	[1883, 6936]	8398	[11277, 5331]	11869	[9315, 13057]
1457	[2728, 863]	4928	[7495, 7083]	8399	[5604, 11481]	11870	[13058, 13059]
1458	[2729, 2730]	4929	[7694, 7695]	8400	[11482, 4415]	11871	[13060, 1102]
1459	[868, 2731]	4930	[696, 6292]	8401	[1107, 11483]	11872	[11177, 13061]
1460	[2732, 2733]	4931	[7696, 7697]	8402	[8542, 11452]	11873	[13062, 13063]
1461	[2734, 2309]	4932	[7698, 7699]	8403	[4364, 5362]	11874	[5211, 1692]
1462	[2203, 2723]	4933	[7700, 7701]	8404	[5144, 11484]	11875	[13064, 13065]
1463	[2735, 2736]	4934	[6133, 132]	8405	[1602, 4116]	11876	[13066, 9450]
1464	[2737, 2738]	4935	[7702, 7703]	8406	[11485, 11486]	11877	[5457, 5044]
1465	[2739, 2740]	4936	[7704, 7705]	8407	[11487, 3966]	11878	[13067, 13068]
1466	[2741, 2742]	4937	[6918, 7706]	8408	[10243, 11488]	11879	[13069, 11394]
1467	[2743, 2744]	4938	[7707, 6135]	8409	[11489, 11490]	11880	[8668, 13070]
1468	[2745, 2746]	4939	[5909, 6106]	8410	[4125, 11491]	11881	[13071, 5034]
1469	[2747, 2748]	4940	[1996, 7708]	8411	[11492, 1416]	11882	[13072, 8474]
1470	[2749, 2750]	4941	[7672, 7709]	8412	[11493, 11494]	11883	[9792, 13073]
1471	[2751, 2752]	4942	[7710, 7095]	8413	[11495, 10512]	11884	[5336, 3497]
1472	[2753, 2754]	4943	[2873, 2752]	8414	[11496, 10061]	11885	[10368, 13074]
1473	[729, 2755]	4944	[2186, 7711]	8415	[11497, 1441]	11886	[13075, 9947]
1474	[2756, 2757]	4945	[7712, 2986]	8416	[11498, 11499]	11887	[13076, 13077]
1475	[2758, 2759]	4946	[7654, 7713]	8417	[10288, 4951]	11888	[11472, 1771]
1476	[2760, 8]	4947	[7714, 6052]	8418	[11500, 9009]	11889	[12836, 13078]
1477	[2761, 1878]	4948	[859, 7715]	8419	[10659, 11397]	11890	[13079, 13080]
1478	[2762, 2763]	4949	[2458, 6826]	8420	[10824, 11501]	11891	[11266, 4689]
1479	[2206, 2764]	4950	[7716, 6484]	8421	[11502, 11487]	11892	[13081, 4871]
1480	[2765, 2766]	4951	[6152, 2597]	8422	[8660, 11226]	11893	[13082, 13083]
1481	[2767, 2329]	4952	[7717, 6449]	8423	[11503, 11504]	11894	[5294, 13084]
1482	[2768, 2769]	4953	[6810, 6403]	8424	[11505, 11506]	11895	[10210, 13085]
1483	[2035, 1894]	4954	[7718, 7641]	8425	[11507, 11508]	11896	[11188, 13086]
1484	[2770, 2771]	4955	[7719, 2880]	8426	[11509, 11417]	11897	[13087, 11039]
1485	[777, 2772]	4956	[7720, 5949]	8427	[9813, 4188]	11898	[9184, 13088]

1486	[2773, 935]	4957	[7721, 7711]	8428	[9626, 11510]	11899	[3549, 11391]
1487	[2774, 2775]	4958	[7430, 7307]	8429	[11511, 9949]	11900	[13089, 1016]
1488	[2776, 2777]	4959	[2961, 7722]	8430	[11512, 10386]	11901	[10519, 11004]
1489	[601, 2778]	4960	[2014, 7723]	8431	[10326, 11513]	11902	[13090, 13060]
1490	[2779, 2780]	4961	[7724, 6290]	8432	[3577, 11514]	11903	[13091, 9035]
1491	[2781, 2782]	4962	[6051, 2762]	8433	[11515, 4383]	11904	[13092, 11522]
1492	[2783, 2784]	4963	[2646, 3182]	8434	[9422, 11516]	11905	[13093, 963]
1493	[2785, 2786]	4964	[2491, 7446]	8435	[11517, 11518]	11906	[9041, 13094]
1494	[2615, 2787]	4965	[7725, 7726]	8436	[11519, 11520]	11907	[1431, 10329]
1495	[2788, 2789]	4966	[7727, 607]	8437	[11521, 5531]	11908	[4129, 5788]
1496	[2790, 903]	4967	[7728, 5951]	8438	[11522, 3945]	11909	[13095, 1186]
1497	[2024, 2791]	4968	[7729, 3208]	8439	[11523, 8700]	11910	[13096, 13097]
1498	[2792, 2793]	4969	[2539, 2663]	8440	[11524, 10279]	11911	[10533, 3963]
1499	[2794, 2795]	4970	[7730, 7731]	8441	[4539, 11525]	11912	[13098, 11071]
1500	[2796, 2797]	4971	[2932, 2687]	8442	[11526, 11527]	11913	[1213, 9630]
1501	[2798, 2799]	4972	[7732, 2189]	8443	[9972, 10651]	11914	[13099, 13100]
1502	[2800, 2132]	4973	[7733, 2191]	8444	[11528, 11485]	11915	[9561, 341]
1503	[2801, 2781]	4974	[7734, 720]	8445	[9755, 3936]	11916	[1488, 1484]
1504	[2802, 1857]	4975	[7076, 3023]	8446	[11529, 5432]	11917	[13101, 5489]
1505	[775, 2803]	4976	[7735, 7065]	8447	[11530, 983]	11918	[9905, 13102]
1506	[2804, 2805]	4977	[7736, 2854]	8448	[11531, 11220]	11919	[13103, 10382]
1507	[546, 185]	4978	[7737, 2486]	8449	[11532, 11533]	11920	[13104, 11066]
1508	[2806, 2807]	4979	[7657, 7738]	8450	[414, 1659]	11921	[3808, 8625]
1509	[2808, 2765]	4980	[2360, 831]	8451	[11147, 11534]	11922	[13105, 11446]
1510	[2392, 2809]	4981	[7157, 7739]	8452	[5555, 9379]	11923	[4354, 10700]
1511	[2810, 2811]	4982	[2787, 7632]	8453	[11535, 10136]	11924	[13106, 11062]
1512	[2812, 2813]	4983	[7740, 7741]	8454	[9784, 9469]	11925	[13107, 13108]
1513	[2814, 2815]	4984	[2802, 2568]	8455	[11536, 11537]	11926	[13109, 11281]
1514	[2816, 2817]	4985	[7742, 7743]	8456	[11538, 6662]	11927	[13110, 13111]
1515	[2538, 2818]	4986	[7744, 7745]	8457	[11539, 2565]	11928	[5216, 5078]
1516	[2819, 2820]	4987	[7746, 2667]	8458	[218, 11540]	11929	[13112, 13038]
1517	[2821, 2822]	4988	[7747, 6892]	8459	[11541, 1957]	11930	[3488, 4515]
1518	[2823, 2824]	4989	[7748, 2243]	8460	[11542, 6444]	11931	[8967, 5542]
1519	[2825, 2826]	4990	[2187, 7749]	8461	[11543, 11544]	11932	[3752, 9574]
1520	[499, 732]	4991	[7750, 2022]	8462	[2500, 11545]	11933	[1417, 1142]
1521	[2827, 2828]	4992	[7751, 3240]	8463	[11546, 11547]	11934	[4925, 11041]
1522	[2823, 2829]	4993	[7752, 7753]	8464	[7081, 7346]	11935	[13113, 13114]
1523	[2830, 2831]	4994	[7754, 2656]	8465	[7442, 6497]	11936	[13115, 1757]
1524	[2832, 2572]	4995	[6995, 2871]	8466	[6339, 2901]	11937	[10723, 12821]
1525	[2833, 2834]	4996	[7628, 7755]	8467	[7171, 6174]	11938	[9801, 10878]
1526	[2612, 2759]	4997	[7756, 6335]	8468	[6880, 5927]	11939	[13116, 5632]
1527	[2835, 621]	4998	[1902, 7757]	8469	[2896, 11548]	11940	[13117, 4807]
1528	[943, 2836]	4999	[225, 7758]	8470	[2107, 790]	11941	[11024, 13118]
1529	[2837, 2371]	5000	[7759, 7760]	8471	[6792, 11549]	11942	[9014, 13119]

1530	[2838, 2839]	5001	[5862, 6238]	8472	[2115, 11550]	11943	[13120, 279]
1531	[2840, 2391]	5002	[7114, 564]	8473	[11551, 951]	11944	[9448, 13093]
1532	[2841, 2842]	5003	[6074, 7761]	8474	[7505, 11552]	11945	[9008, 4423]
1533	[2677, 2843]	5004	[7762, 7138]	8475	[5997, 6075]	11946	[13121, 13122]
1534	[2844, 43]	5005	[2050, 2953]	8476	[11553, 937]	11947	[9297, 12839]
1535	[2845, 2846]	5006	[7763, 6834]	8477	[2889, 11554]	11948	[11490, 13123]
1536	[2847, 2848]	5007	[7764, 7765]	8478	[952, 2339]	11949	[3571, 3972]
1537	[2849, 1854]	5008	[7766, 7767]	8479	[11555, 8050]	11950	[13124, 11416]
1538	[2850, 2851]	5009	[6202, 6505]	8480	[11556, 11557]	11951	[5772, 13125]
1539	[2852, 2853]	5010	[648, 7768]	8481	[512, 2232]	11952	[426, 8521]
1540	[759, 2854]	5011	[7769, 7770]	8482	[11558, 7454]	11953	[10387, 8798]
1541	[752, 2855]	5012	[7555, 6844]	8483	[11559, 6384]	11954	[1063, 13126]
1542	[2856, 2347]	5013	[7771, 6025]	8484	[11560, 6912]	11955	[13127, 10825]
1543	[2857, 2858]	5014	[7772, 7773]	8485	[6677, 3105]	11956	[4526, 13128]
1544	[2859, 2860]	5015	[7774, 2319]	8486	[11561, 2020]	11957	[13129, 11445]
1545	[2861, 2862]	5016	[7173, 7775]	8487	[6229, 7726]	11958	[8728, 10012]
1546	[2863, 2864]	5017	[7776, 7343]	8488	[7068, 2726]	11959	[4850, 5598]
1547	[2352, 693]	5018	[7777, 6016]	8489	[2271, 11562]	11960	[5298, 13130]
1548	[2865, 2866]	5019	[7778, 7779]	8490	[6505, 11563]	11961	[13131, 13132]
1549	[2867, 2868]	5020	[2328, 7780]	8491	[11564, 6116]	11962	[13133, 8545]
1550	[2869, 2870]	5021	[7781, 7782]	8492	[1989, 3236]	11963	[9019, 5301]
1551	[2871, 2872]	5022	[2574, 5993]	8493	[6640, 1937]	11964	[10032, 13134]
1552	[2873, 2874]	5023	[6111, 7783]	8494	[8143, 11565]	11965	[1074, 13135]
1553	[2875, 2876]	5024	[7675, 6366]	8495	[2912, 8324]	11966	[3611, 13136]
1554	[2877, 2878]	5025	[3269, 804]	8496	[6642, 11566]	11967	[8879, 11426]
1555	[2635, 2879]	5026	[2838, 7784]	8497	[11567, 1953]	11968	[13137, 10026]
1556	[2880, 2881]	5027	[7785, 2848]	8498	[6764, 8352]	11969	[13138, 8758]
1557	[2301, 2882]	5028	[2832, 5959]	8499	[7763, 6825]	11970	[3862, 1085]
1558	[542, 2883]	5029	[3064, 7786]	8500	[2015, 7778]	11971	[9550, 4970]
1559	[2845, 2884]	5030	[7787, 7788]	8501	[11568, 2328]	11972	[13139, 12999]
1560	[2885, 2886]	5031	[7789, 7790]	8502	[2492, 6592]	11973	[13140, 4213]
1561	[2887, 2888]	5032	[7791, 2131]	8503	[7406, 3168]	11974	[4829, 13141]
1562	[2889, 2890]	5033	[7792, 6212]	8504	[11569, 5978]	11975	[8906, 11048]
1563	[2649, 2891]	5034	[7793, 7794]	8505	[8066, 2633]	11976	[3341, 1284]
1564	[2892, 2893]	5035	[7795, 6431]	8506	[3140, 6203]	11977	[11245, 13142]
1565	[2894, 2895]	5036	[2031, 7796]	8507	[2032, 6158]	11978	[11406, 3790]
1566	[2896, 2897]	5037	[7797, 7499]	8508	[2745, 11570]	11979	[13143, 11517]
1567	[2898, 2899]	5038	[7798, 2692]	8509	[7059, 5898]	11980	[3535, 13144]
1568	[2900, 2901]	5039	[6208, 6225]	8510	[11571, 8192]	11981	[10814, 11352]
1569	[2902, 2903]	5040	[7799, 2461]	8511	[2327, 11572]	11982	[10195, 13145]
1570	[2904, 1991]	5041	[7800, 7801]	8512	[2337, 11573]	11983	[13018, 13146]
1571	[2589, 2905]	5042	[7750, 2482]	8513	[11574, 2455]	11984	[4207, 13147]
1572	[2906, 2907]	5043	[7802, 7803]	8514	[6783, 11575]	11985	[9914, 10509]
1573	[2908, 2909]	5044	[7305, 7804]	8515	[7655, 2766]	11986	[11257, 1180]

1574	[2910, 2911]	5045	[7805, 7806]	8516	[11576, 11577]	11987	[11073, 5467]
1575	[2912, 1909]	5046	[822, 7807]	8517	[6389, 11578]	11988	[3629, 9699]
1576	[2913, 2803]	5047	[624, 7808]	8518	[11579, 2269]	11989	[13148, 10385]
1577	[2914, 2915]	5048	[3280, 2257]	8519	[735, 569]	11990	[13149, 5041]
1578	[2312, 2580]	5049	[7809, 2735]	8520	[11580, 6524]	11991	[13150, 1306]
1579	[714, 2916]	5050	[7810, 2624]	8521	[11581, 11582]	11992	[4002, 13151]
1580	[2917, 2334]	5051	[7060, 6202]	8522	[3012, 5904]	11993	[13152, 4360]
1581	[1950, 555]	5052	[7811, 7812]	8523	[11583, 8381]	11994	[13153, 8659]
1582	[2918, 2919]	5053	[7813, 2263]	8524	[11584, 624]	11995	[1191, 13154]
1583	[2183, 2920]	5054	[7814, 1950]	8525	[8286, 6294]	11996	[13155, 1196]
1584	[2921, 2872]	5055	[6774, 7815]	8526	[11585, 6563]	11997	[1547, 13156]
1585	[2922, 2923]	5056	[7816, 7798]	8527	[7270, 11586]	11998	[9233, 13157]
1586	[2924, 2925]	5057	[6089, 6078]	8528	[7754, 846]	11999	[13158, 3475]
1587	[2204, 2926]	5058	[7817, 7818]	8529	[11587, 8064]	12000	[13159, 9169]
1588	[2927, 2928]	5059	[2331, 3236]	8530	[2801, 6052]	12001	[1741, 13160]
1589	[2929, 2930]	5060	[7819, 534]	8531	[2250, 2633]	12002	[13161, 4555]
1590	[2123, 2931]	5061	[7820, 7499]	8532	[11588, 11589]	12003	[1668, 4465]
1591	[2932, 2933]	5062	[7821, 7822]	8533	[7785, 7062]	12004	[9770, 5416]
1592	[2934, 2935]	5063	[7766, 7823]	8534	[727, 11590]	12005	[11241, 4799]
1593	[2936, 2937]	5064	[7824, 6301]	8535	[3031, 7767]	12006	[13162, 9851]
1594	[2938, 2939]	5065	[7825, 7826]	8536	[6386, 11591]	12007	[10797, 10309]
1595	[2940, 2742]	5066	[579, 7827]	8537	[7224, 11562]	12008	[9695, 10907]
1596	[2564, 2941]	5067	[7388, 7828]	8538	[11592, 3025]	12009	[13163, 10299]
1597	[2942, 2943]	5068	[7829, 6494]	8539	[11593, 872]	12010	[9239, 13164]
1598	[2430, 2944]	5069	[7830, 2268]	8540	[583, 6574]	12011	[3960, 4112]
1599	[2945, 2946]	5070	[7831, 6302]	8541	[1886, 11594]	12012	[5287, 4945]
1600	[2947, 2201]	5071	[7734, 7832]	8542	[6252, 188]	12013	[13135, 5122]
1601	[2948, 2949]	5072	[2685, 7833]	8543	[11595, 8252]	12014	[11244, 8546]
1602	[2950, 2951]	5073	[7834, 2399]	8544	[6611, 7739]	12015	[3954, 4711]
1603	[2952, 2316]	5074	[7835, 2042]	8545	[7212, 1941]	12016	[13165, 11087]
1604	[2953, 2954]	5075	[7836, 7837]	8546	[11596, 5971]	12017	[13031, 10911]
1605	[2955, 2956]	5076	[7838, 3246]	8547	[7554, 11597]	12018	[13166, 12967]
1606	[2837, 2957]	5077	[7839, 7840]	8548	[8208, 11598]	12019	[344, 10422]
1607	[2958, 2959]	5078	[6514, 6292]	8549	[5943, 7479]	12020	[9993, 13167]
1608	[2960, 2827]	5079	[205, 703]	8550	[7960, 6708]	12021	[13168, 5194]
1609	[2961, 2962]	5080	[2727, 7841]	8551	[2796, 1971]	12022	[4956, 4486]
1610	[2963, 2692]	5081	[7842, 7843]	8552	[11599, 11600]	12023	[10838, 13169]
1611	[2964, 2965]	5082	[2293, 2012]	8553	[11601, 7342]	12024	[1593, 13170]
1612	[2966, 2967]	5083	[7844, 7845]	8554	[11602, 7235]	12025	[8594, 13171]
1613	[754, 2968]	5084	[2038, 7846]	8555	[7684, 7705]	12026	[13172, 3576]
1614	[2969, 2970]	5085	[7847, 7848]	8556	[6463, 11603]	12027	[13173, 9899]
1615	[2971, 2972]	5086	[7849, 7850]	8557	[2697, 7503]	12028	[11263, 11132]
1616	[2973, 2592]	5087	[882, 7851]	8558	[6680, 7212]	12029	[9557, 1054]
1617	[2974, 2584]	5088	[7691, 2219]	8559	[11604, 6396]	12030	[4960, 13174]

1618	[2975, 2976]	5089	[7852, 7853]	8560	[2972, 6269]	12031	[4281, 13175]
1619	[2977, 2978]	5090	[7854, 751]	8561	[11605, 6248]	12032	[10945, 1722]
1620	[2979, 2980]	5091	[3199, 7855]	8562	[8243, 6904]	12033	[13176, 10527]
1621	[2981, 2733]	5092	[7464, 7856]	8563	[5894, 11606]	12034	[10241, 11322]
1622	[2406, 2982]	5093	[1990, 3237]	8564	[8420, 11607]	12035	[4559, 4469]
1623	[2983, 2984]	5094	[1872, 2122]	8565	[40, 11608]	12036	[9609, 1048]
1624	[2985, 2986]	5095	[7857, 181]	8566	[42, 6816]	12037	[10220, 1787]
1625	[2987, 2988]	5096	[6773, 5838]	8567	[11609, 11610]	12038	[4021, 13177]
1626	[2989, 2990]	5097	[7858, 759]	8568	[7314, 11611]	12039	[10284, 13178]
1627	[2991, 2992]	5098	[7742, 7075]	8569	[11612, 11613]	12040	[10495, 4753]
1628	[2993, 2994]	5099	[7310, 7859]	8570	[3248, 5899]	12041	[13085, 9938]
1629	[2995, 2996]	5100	[7860, 756]	8571	[6000, 8033]	12042	[13179, 10421]
1630	[2997, 2998]	5101	[7861, 7862]	8572	[6442, 11614]	12043	[10057, 10419]
1631	[533, 2999]	5102	[6127, 6842]	8573	[11615, 169]	12044	[10403, 454]
1632	[3000, 3001]	5103	[7863, 7864]	8574	[11616, 11617]	12045	[5451, 1006]
1633	[3002, 3003]	5104	[7865, 7840]	8575	[6084, 11618]	12046	[13180, 5341]
1634	[3004, 3005]	5105	[7866, 7867]	8576	[7425, 627]	12047	[5300, 13181]
1635	[3006, 909]	5106	[7494, 7082]	8577	[11619, 11620]	12048	[4445, 13182]
1636	[3007, 2072]	5107	[2167, 6907]	8578	[3308, 3309]	12049	[4602, 13183]
1637	[3008, 3009]	5108	[654, 7868]	8579	[6729, 7434]	12050	[4856, 13184]
1638	[3010, 3011]	5109	[6024, 7869]	8580	[2476, 11621]	12051	[10351, 11324]
1639	[3012, 2863]	5110	[7870, 6794]	8581	[8093, 7416]	12052	[13185, 9803]
1640	[3013, 2856]	5111	[675, 7871]	8582	[11622, 6387]	12053	[13186, 11122]
1641	[3014, 3015]	5112	[502, 7769]	8583	[11623, 7475]	12054	[9407, 13187]
1642	[3016, 3017]	5113	[7872, 7873]	8584	[2129, 11624]	12055	[13188, 10253]
1643	[3018, 738]	5114	[7874, 7555]	8585	[11625, 2327]	12056	[5304, 13189]
1644	[3019, 3020]	5115	[7002, 6439]	8586	[11626, 11577]	12057	[9959, 13190]
1645	[3021, 3022]	5116	[7875, 7876]	8587	[11627, 11628]	12058	[13191, 4563]
1646	[3023, 2044]	5117	[7151, 7481]	8588	[11629, 6210]	12059	[10392, 13192]
1647	[3024, 2721]	5118	[7877, 7670]	8589	[3080, 11630]	12060	[13193, 13194]
1648	[2527, 2211]	5119	[7178, 3099]	8590	[7104, 11631]	12061	[9486, 3733]
1649	[3025, 3026]	5120	[162, 6194]	8591	[543, 7838]	12062	[5798, 13195]
1650	[163, 3027]	5121	[7878, 7879]	8592	[7547, 6836]	12063	[11372, 13196]
1651	[3028, 3029]	5122	[2061, 7880]	8593	[8452, 7500]	12064	[13035, 13197]
1652	[3030, 3031]	5123	[6778, 7354]	8594	[7003, 7700]	12065	[13198, 13193]
1653	[1978, 3032]	5124	[2705, 7881]	8595	[11632, 7587]	12066	[3670, 13199]
1654	[3033, 2273]	5125	[7882, 7883]	8596	[6196, 8294]	12067	[13200, 13201]
1655	[3034, 3035]	5126	[7884, 7885]	8597	[1861, 6876]	12068	[13202, 13203]
1656	[3036, 3037]	5127	[7886, 2008]	8598	[11633, 11634]	12069	[9475, 13204]
1657	[185, 3038]	5128	[6803, 7220]	8599	[7043, 11635]	12070	[3941, 12966]
1658	[3039, 734]	5129	[7887, 7506]	8600	[6873, 11636]	12071	[5316, 13205]
1659	[3040, 3041]	5130	[2443, 7880]	8601	[7058, 6434]	12072	[1183, 13206]
1660	[3042, 3043]	5131	[7888, 6499]	8602	[11637, 2038]	12073	[9069, 13207]
1661	[3044, 2953]	5132	[7889, 7890]	8603	[11638, 3039]	12074	[3509, 11036]

1662	[3045, 3046]	5133	[6508, 749]	8604	[6052, 6950]	12075	[1228, 9050]
1663	[2136, 2791]	5134	[3099, 2940]	8605	[11639, 2441]	12076	[10891, 967]
1664	[3047, 3048]	5135	[6472, 7332]	8606	[6050, 679]	12077	[5702, 5231]
1665	[3049, 3050]	5136	[6094, 2535]	8607	[8293, 7984]	12078	[13208, 12959]
1666	[3051, 3052]	5137	[7891, 7892]	8608	[6869, 7643]	12079	[13209, 11140]
1667	[3053, 3054]	5138	[7893, 1930]	8609	[5995, 11640]	12080	[4052, 11441]
1668	[588, 2808]	5139	[7894, 3302]	8610	[6296, 7915]	12081	[12991, 10895]
1669	[3055, 3056]	5140	[7895, 7002]	8611	[3287, 11631]	12082	[10155, 13072]
1670	[3057, 2855]	5141	[7896, 7120]	8612	[11641, 11642]	12083	[13210, 11279]
1671	[3058, 3059]	5142	[6828, 2219]	8613	[6227, 8121]	12084	[8892, 1765]
1672	[3060, 164]	5143	[6556, 7778]	8614	[11643, 7226]	12085	[1533, 10328]
1673	[1864, 3061]	5144	[7897, 3277]	8615	[7917, 2262]	12086	[8641, 13211]
1674	[574, 3062]	5145	[7622, 7898]	8616	[2860, 8219]	12087	[13212, 12859]
1675	[3063, 3064]	5146	[2330, 5985]	8617	[863, 8343]	12088	[11136, 13213]
1676	[3065, 2293]	5147	[7899, 2706]	8618	[7669, 8342]	12089	[11312, 13214]
1677	[3066, 3067]	5148	[7900, 6363]	8619	[11644, 11645]	12090	[13215, 1214]
1678	[3068, 3069]	5149	[3101, 6370]	8620	[2938, 2637]	12091	[12858, 11026]
1679	[3070, 3071]	5150	[6645, 7901]	8621	[7378, 2017]	12092	[10347, 13216]
1680	[3072, 3073]	5151	[7902, 7903]	8622	[2595, 2724]	12093	[13217, 3737]
1681	[3074, 3075]	5152	[3205, 7904]	8623	[7019, 11646]	12094	[3939, 13218]
1682	[2075, 57]	5153	[7905, 2423]	8624	[7720, 11647]	12095	[1352, 13219]
1683	[3076, 2829]	5154	[7906, 32]	8625	[2864, 11616]	12096	[8723, 13220]
1684	[3077, 3078]	5155	[7907, 6260]	8626	[7256, 5898]	12097	[9645, 1304]
1685	[3053, 3079]	5156	[3048, 7154]	8627	[6202, 6883]	12098	[13196, 10389]
1686	[3080, 3081]	5157	[7908, 7909]	8628	[11648, 8090]	12099	[11448, 8922]
1687	[3082, 3083]	5158	[7910, 7911]	8629	[11649, 6380]	12100	[8818, 4929]
1688	[3084, 3085]	5159	[7912, 7018]	8630	[2614, 8330]	12101	[1429, 10578]
1689	[3086, 2182]	5160	[6993, 7913]	8631	[2710, 6360]	12102	[5006, 12913]
1690	[3087, 3088]	5161	[7436, 7914]	8632	[11650, 5998]	12103	[10000, 9361]
1691	[3089, 2949]	5162	[7915, 7916]	8633	[7907, 740]	12104	[10002, 13221]
1692	[3090, 3091]	5163	[7917, 7813]	8634	[11651, 5936]	12105	[4204, 13222]
1693	[3092, 3093]	5164	[7918, 7919]	8635	[7842, 11652]	12106	[11086, 9370]
1694	[3094, 3095]	5165	[923, 7920]	8636	[2027, 3251]	12107	[11214, 3814]
1695	[3096, 3097]	5166	[925, 7917]	8637	[2470, 11653]	12108	[13167, 10001]
1696	[3098, 3099]	5167	[815, 7921]	8638	[11654, 509]	12109	[10304, 12987]
1697	[3100, 3101]	5168	[2775, 7922]	8639	[7544, 2393]	12110	[13223, 13224]
1698	[12, 835]	5169	[7563, 7923]	8640	[645, 11655]	12111	[116, 13225]
1699	[3102, 3103]	5170	[7924, 7798]	8641	[11656, 702]	12112	[10041, 13226]
1700	[2070, 3104]	5171	[7925, 7926]	8642	[6478, 11657]	12113	[9512, 10070]
1701	[3105, 3106]	5172	[7927, 2479]	8643	[11658, 11659]	12114	[13227, 12897]
1702	[3107, 3108]	5173	[7928, 7929]	8644	[3219, 11653]	12115	[13228, 13229]
1703	[2180, 3109]	5174	[140, 7930]	8645	[11660, 8360]	12116	[4821, 9527]
1704	[3110, 1902]	5175	[2914, 6812]	8646	[11661, 816]	12117	[1326, 1012]
1705	[3111, 2330]	5176	[503, 7931]	8647	[3068, 6020]	12118	[13230, 91]

1706	[3112, 768]	5177	[828, 5830]	8648	[11662, 11663]	12119	[3354, 5005]
1707	[3113, 208]	5178	[629, 7932]	8649	[8450, 11664]	12120	[13231, 13168]
1708	[2597, 3114]	5179	[7238, 3292]	8650	[11665, 11666]	12121	[9431, 1255]
1709	[2599, 3115]	5180	[7344, 2224]	8651	[2215, 11667]	12122	[13232, 4246]
1710	[3116, 3117]	5181	[7933, 7934]	8652	[8166, 11668]	12123	[10488, 10442]
1711	[3118, 3119]	5182	[2655, 846]	8653	[7362, 526]	12124	[5436, 13233]
1712	[3120, 2418]	5183	[7935, 5959]	8654	[11669, 11670]	12125	[9675, 4040]
1713	[3121, 3122]	5184	[7139, 678]	8655	[11671, 2343]	12126	[1111, 8583]
1714	[2001, 3123]	5185	[7936, 882]	8656	[6581, 11672]	12127	[3762, 13234]
1715	[3124, 3125]	5186	[7937, 2784]	8657	[617, 11673]	12128	[13235, 13236]
1716	[513, 3126]	5187	[1888, 7938]	8658	[11581, 11674]	12129	[10600, 321]
1717	[3127, 3128]	5188	[6887, 160]	8659	[7182, 7330]	12130	[9257, 4437]
1718	[3129, 3077]	5189	[6336, 7939]	8660	[7103, 3287]	12131	[13237, 10935]
1719	[3130, 3131]	5190	[7940, 2266]	8661	[11675, 7605]	12132	[1315, 11301]
1720	[3132, 3133]	5191	[6031, 7941]	8662	[3115, 11676]	12133	[13238, 13239]
1721	[3134, 3135]	5192	[797, 7942]	8663	[8371, 2476]	12134	[13240, 8749]
1722	[3136, 3137]	5193	[7943, 7944]	8664	[8441, 11677]	12135	[13241, 10787]
1723	[3138, 3139]	5194	[567, 7945]	8665	[6824, 6834]	12136	[4247, 10596]
1724	[3140, 3141]	5195	[7946, 2688]	8666	[7713, 1979]	12137	[1077, 9584]
1725	[3142, 3143]	5196	[6917, 7947]	8667	[7438, 2167]	12138	[11113, 9909]
1726	[3144, 532]	5197	[6189, 7723]	8668	[5858, 8405]	12139	[11344, 13242]
1727	[3145, 3146]	5198	[7948, 3261]	8669	[8090, 7061]	12140	[13243, 11318]
1728	[1928, 3048]	5199	[7949, 2103]	8670	[8290, 136]	12141	[4569, 5821]
1729	[3147, 3148]	5200	[3131, 6906]	8671	[670, 8438]	12142	[3878, 5143]
1730	[3149, 3150]	5201	[7950, 6172]	8672	[11678, 2669]	12143	[4027, 10259]
1731	[3151, 3152]	5202	[7008, 7951]	8673	[11679, 8223]	12144	[13244, 5696]
1732	[2077, 513]	5203	[7952, 7953]	8674	[2659, 2665]	12145	[1177, 13245]
1733	[3153, 3154]	5204	[7632, 2455]	8675	[11680, 11681]	12146	[5040, 9730]
1734	[3155, 3156]	5205	[7954, 9]	8676	[11682, 2494]	12147	[10013, 13246]
1735	[1953, 3157]	5206	[7066, 2639]	8677	[11683, 6736]	12148	[9411, 9440]
1736	[3158, 2067]	5207	[7955, 7956]	8678	[11684, 11685]	12149	[11056, 13247]
1737	[3159, 3160]	5208	[888, 7957]	8679	[11686, 141]	12150	[4107, 3745]
1738	[3161, 3162]	5209	[2970, 7958]	8680	[8195, 2149]	12151	[9353, 13248]
1739	[3163, 3164]	5210	[7959, 3090]	8681	[6322, 6512]	12152	[13249, 13250]
1740	[3165, 3166]	5211	[7960, 7947]	8682	[11580, 7369]	12153	[13008, 13251]
1741	[3167, 3168]	5212	[7610, 771]	8683	[6806, 8076]	12154	[13252, 8828]
1742	[2902, 3169]	5213	[7961, 7962]	8684	[6366, 6042]	12155	[8523, 8809]
1743	[3141, 3170]	5214	[6992, 2648]	8685	[6434, 8182]	12156	[102, 13253]
1744	[3171, 3172]	5215	[2857, 7963]	8686	[11687, 6099]	12157	[100, 8945]
1745	[3173, 878]	5216	[7964, 205]	8687	[11688, 11689]	12158	[11499, 11205]
1746	[3174, 3175]	5217	[7965, 2905]	8688	[7355, 2826]	12159	[13254, 4221]
1747	[3176, 3177]	5218	[7966, 6866]	8689	[2903, 8107]	12160	[9150, 1308]
1748	[3178, 871]	5219	[566, 573]	8690	[2748, 11690]	12161	[4258, 13255]
1749	[2071, 3179]	5220	[7768, 6374]	8691	[11691, 2561]	12162	[13256, 4579]

1750	[3180, 2367]	5221	[7967, 7968]	8692	[7087, 8139]	12163	[11182, 10318]
1751	[3181, 3182]	5222	[7729, 6310]	8693	[2875, 6617]	12164	[5137, 13257]
1752	[3183, 1966]	5223	[7969, 7970]	8694	[2575, 11692]	12165	[11294, 10587]
1753	[2663, 3184]	5224	[694, 7453]	8695	[8082, 11622]	12166	[10796, 13258]
1754	[3094, 3185]	5225	[7971, 7972]	8696	[8308, 2198]	12167	[10280, 13259]
1755	[3186, 2357]	5226	[7352, 6814]	8697	[784, 11693]	12168	[9242, 9465]
1756	[2671, 3187]	5227	[7973, 7974]	8698	[6882, 1888]	12169	[10708, 3916]
1757	[3188, 3189]	5228	[6404, 5850]	8699	[7466, 6566]	12170	[1234, 5621]
1758	[3190, 499]	5229	[2480, 7975]	8700	[206, 6609]	12171	[1303, 13260]
1759	[3191, 3192]	5230	[6015, 830]	8701	[6981, 11694]	12172	[3422, 5726]
1760	[2364, 2321]	5231	[7976, 7977]	8702	[6579, 6259]	12173	[4610, 13261]
1761	[912, 8]	5232	[146, 7978]	8703	[11556, 11695]	12174	[9402, 9586]
1762	[3193, 845]	5233	[7979, 7980]	8704	[2693, 6831]	12175	[10579, 11064]
1763	[2425, 3194]	5234	[7981, 6975]	8705	[11696, 11697]	12176	[9032, 1110]
1764	[3195, 927]	5235	[2526, 2771]	8706	[2240, 6101]	12177	[5736, 11340]
1765	[3196, 3197]	5236	[3028, 7982]	8707	[3268, 803]	12178	[8537, 9872]
1766	[3198, 2575]	5237	[7983, 7984]	8708	[2179, 2254]	12179	[8683, 1091]
1767	[3199, 3200]	5238	[7985, 7986]	8709	[11698, 11699]	12180	[13262, 11181]
1768	[3201, 3202]	5239	[622, 7987]	8710	[11700, 6987]	12181	[12840, 13263]
1769	[3203, 2315]	5240	[6960, 2863]	8711	[11701, 11702]	12182	[13242, 8598]
1770	[3204, 3205]	5241	[7988, 7989]	8712	[8320, 2099]	12183	[13264, 8771]
1771	[3206, 3207]	5242	[7824, 2525]	8713	[6607, 11703]	12184	[13265, 8856]
1772	[3208, 3209]	5243	[7990, 2192]	8714	[2532, 6032]	12185	[10157, 12972]
1773	[2941, 3210]	5244	[7042, 7991]	8715	[5911, 6372]	12186	[13266, 13267]
1774	[3211, 3212]	5245	[7992, 704]	8716	[6865, 11704]	12187	[1537, 13268]
1775	[3213, 3214]	5246	[7993, 7994]	8717	[11705, 2279]	12188	[13269, 13270]
1776	[3215, 2595]	5247	[770, 7995]	8718	[11706, 585]	12189	[253, 13271]
1777	[3216, 3217]	5248	[7996, 6322]	8719	[6672, 7790]	12190	[9727, 10404]
1778	[3218, 3219]	5249	[6384, 7997]	8720	[8366, 11707]	12191	[13272, 10609]
1779	[3220, 3221]	5250	[7424, 2242]	8721	[11708, 608]	12192	[1752, 8512]
1780	[3222, 2974]	5251	[2941, 5987]	8722	[8285, 6103]	12193	[13273, 10516]
1781	[3223, 3224]	5252	[7998, 7999]	8723	[11709, 8378]	12194	[13274, 11231]
1782	[3225, 3226]	5253	[6475, 6625]	8724	[6328, 6209]	12195	[1770, 5151]
1783	[192, 3227]	5254	[8000, 8001]	8725	[11710, 11711]	12196	[1762, 13275]
1784	[3228, 2134]	5255	[2550, 7052]	8726	[2636, 2939]	12197	[11449, 13276]
1785	[3229, 3230]	5256	[8002, 8003]	8727	[6210, 7383]	12198	[1792, 1522]
1786	[1924, 3231]	5257	[7499, 8004]	8728	[147, 11712]	12199	[13277, 12922]
1787	[2217, 3232]	5258	[6932, 7027]	8729	[11713, 11714]	12200	[13278, 13272]
1788	[3233, 2249]	5259	[7081, 3327]	8730	[11715, 11594]	12201	[10302, 13279]
1789	[3234, 3235]	5260	[7377, 610]	8731	[7111, 11716]	12202	[13280, 8929]
1790	[3236, 3237]	5261	[7634, 6921]	8732	[11717, 11718]	12203	[3783, 5333]
1791	[3238, 3239]	5262	[2804, 2349]	8733	[11719, 7901]	12204	[11084, 10071]
1792	[3240, 2830]	5263	[8005, 7540]	8734	[6332, 2836]	12205	[11425, 13281]
1793	[798, 3241]	5264	[936, 8006]	8735	[8011, 11720]	12206	[13005, 1544]

1794	[3105, 3242]	5265	[8007, 7587]	8736	[8211, 8279]	12207	[10430, 13282]
1795	[3243, 854]	5266	[7381, 6731]	8737	[11721, 6854]	12208	[4295, 13283]
1796	[3244, 3245]	5267	[8008, 2818]	8738	[11722, 947]	12209	[4328, 5196]
1797	[3246, 3247]	5268	[38, 8009]	8739	[11701, 7895]	12210	[10951, 10658]
1798	[3248, 3249]	5269	[6899, 3150]	8740	[7190, 8302]	12211	[13284, 13285]
1799	[2727, 3250]	5270	[2080, 8010]	8741	[2474, 7962]	12212	[13123, 5790]
1800	[3251, 3252]	5271	[8011, 6048]	8742	[8214, 11723]	12213	[10774, 13286]
1801	[3253, 3254]	5272	[6837, 2179]	8743	[5894, 11724]	12214	[10417, 10964]
1802	[3252, 3255]	5273	[8012, 6223]	8744	[11725, 11726]	12215	[13287, 5153]
1803	[3256, 45]	5274	[8013, 8014]	8745	[7696, 11727]	12216	[1053, 13288]
1804	[3257, 3258]	5275	[8015, 6687]	8746	[8324, 11728]	12217	[13289, 13290]
1805	[3259, 3260]	5276	[3010, 6358]	8747	[11589, 11729]	12218	[5419, 11273]
1806	[3261, 798]	5277	[8016, 8017]	8748	[11730, 7602]	12219	[5132, 3833]
1807	[3262, 3263]	5278	[8018, 39]	8749	[6488, 11731]	12220	[8526, 12865]
1808	[3264, 3265]	5279	[7886, 8019]	8750	[7966, 11704]	12221	[4470, 13209]
1809	[3266, 3267]	5280	[5828, 8020]	8751	[11732, 11733]	12222	[10005, 13291]
1810	[3268, 3269]	5281	[8021, 7133]	8752	[7545, 11734]	12223	[5073, 13292]
1811	[2917, 3270]	5282	[6119, 8022]	8753	[7976, 11735]	12224	[13293, 1751]
1812	[3271, 3272]	5283	[34, 2589]	8754	[7155, 2675]	12225	[10126, 10847]
1813	[3273, 3274]	5284	[8023, 729]	8755	[11736, 2962]	12226	[10702, 11256]
1814	[2486, 3275]	5285	[7718, 8024]	8756	[196, 7972]	12227	[13294, 11535]
1815	[3276, 3277]	5286	[2609, 6256]	8757	[5895, 7004]	12228	[13295, 10998]
1816	[3278, 1874]	5287	[8025, 7654]	8758	[11737, 7694]	12229	[5549, 351]
1817	[3279, 3280]	5288	[8026, 8027]	8759	[11738, 11739]	12230	[3639, 10602]
1818	[3281, 560]	5289	[8028, 8029]	8760	[11589, 7695]	12231	[8663, 13150]
1819	[3282, 1931]	5290	[6714, 6665]	8761	[11740, 11741]	12232	[13296, 3396]
1820	[3283, 3284]	5291	[8030, 7129]	8762	[6186, 11685]	12233	[13297, 13262]
1821	[3285, 3286]	5292	[8031, 6876]	8763	[11705, 7049]	12234	[1531, 5136]
1822	[3287, 3288]	5293	[7731, 3158]	8764	[11742, 2711]	12235	[9466, 11133]
1823	[3289, 747]	5294	[8032, 8033]	8765	[2693, 11743]	12236	[5574, 13298]
1824	[3290, 3101]	5295	[8034, 1970]	8766	[8133, 6465]	12237	[10231, 13299]
1825	[3291, 3292]	5296	[1943, 8035]	8767	[8386, 587]	12238	[13300, 13301]
1826	[3293, 3294]	5297	[3116, 8036]	8768	[2588, 7965]	12239	[10981, 13302]
1827	[3295, 1875]	5298	[8037, 2038]	8769	[7796, 6158]	12240	[13303, 13304]
1828	[3296, 3297]	5299	[2275, 8038]	8770	[7411, 7364]	12241	[1113, 13305]
1829	[2977, 3298]	5300	[2630, 7696]	8771	[8284, 3297]	12242	[12941, 13185]
1830	[3299, 3300]	5301	[625, 8039]	8772	[11744, 7870]	12243	[4766, 12957]
1831	[3301, 3302]	5302	[7923, 8040]	8773	[2604, 1898]	12244	[13306, 1155]
1832	[3303, 3304]	5303	[3172, 7298]	8774	[2800, 11745]	12245	[4916, 8473]
1833	[3305, 3306]	5304	[3232, 8041]	8775	[11746, 11747]	12246	[5262, 12926]
1834	[3307, 3308]	5305	[8042, 3066]	8776	[6974, 7575]	12247	[1632, 10597]
1835	[3309, 3310]	5306	[8043, 8044]	8777	[11748, 11749]	12248	[13307, 10409]
1836	[3311, 3312]	5307	[8045, 7701]	8778	[11750, 7703]	12249	[13308, 10470]
1837	[2237, 3313]	5308	[8046, 2717]	8779	[11751, 7360]	12250	[13309, 4444]

1838	[3314, 3315]	5309	[8047, 3029]	8780	[11752, 3083]	12251	[13310, 13311]
1839	[3316, 3317]	5310	[8048, 1890]	8781	[2378, 11753]	12252	[3843, 13312]
1840	[3318, 3319]	5311	[662, 714]	8782	[6570, 11754]	12253	[1348, 11135]
1841	[3320, 3166]	5312	[2200, 8049]	8783	[3052, 6799]	12254	[13313, 13314]
1842	[3321, 3322]	5313	[8050, 8051]	8784	[8316, 11755]	12255	[9835, 4676]
1843	[3323, 3324]	5314	[2367, 1864]	8785	[11756, 2331]	12256	[10289, 3976]
1844	[3325, 3194]	5315	[8052, 8053]	8786	[6446, 3229]	12257	[13315, 9854]
1845	[2827, 3015]	5316	[8054, 8055]	8787	[11757, 11738]	12258	[13316, 13317]
1846	[3326, 2314]	5317	[8056, 6167]	8788	[6308, 823]	12259	[10278, 403]
1847	[2280, 3327]	5318	[8057, 6059]	8789	[11758, 6918]	12260	[13318, 13319]
1848	[3328, 3329]	5319	[8058, 2208]	8790	[3271, 6679]	12261	[13320, 13321]
1849	[3330, 3331]	5320	[8059, 8060]	8791	[7504, 6511]	12262	[13322, 4525]
1850	[3332, 3333]	5321	[731, 7199]	8792	[11759, 2789]	12263	[9968, 4800]
1851	[3334, 3335]	5322	[1854, 6427]	8793	[6846, 6006]	12264	[4836, 13165]
1852	[3336, 3337]	5323	[1858, 8061]	8794	[8192, 8440]	12265	[11021, 13323]
1853	[3338, 3339]	5324	[1936, 6641]	8795	[6378, 8027]	12266	[4648, 13324]
1854	[3340, 3341]	5325	[7143, 8062]	8796	[2042, 5891]	12267	[9044, 8951]
1855	[3342, 3343]	5326	[8063, 8064]	8797	[7653, 11760]	12268	[13325, 13230]
1856	[3344, 3345]	5327	[8065, 6207]	8798	[157, 8084]	12269	[13326, 13327]
1857	[3346, 3347]	5328	[7297, 8066]	8799	[7219, 11761]	12270	[13328, 13087]
1858	[3348, 3349]	5329	[2148, 7461]	8800	[11762, 11763]	12271	[13329, 10373]
1859	[3350, 3351]	5330	[8067, 8068]	8801	[8257, 241]	12272	[8957, 13330]
1860	[3352, 1069]	5331	[7216, 2640]	8802	[6134, 11764]	12273	[4946, 13331]
1861	[3353, 3354]	5332	[8069, 6721]	8803	[11765, 2297]	12274	[10341, 13332]
1862	[3355, 3356]	5333	[6308, 7807]	8804	[2114, 6084]	12275	[13330, 13333]
1863	[440, 3357]	5334	[7037, 7859]	8805	[7013, 11766]	12276	[10080, 3903]
1864	[3358, 3359]	5335	[7675, 6041]	8806	[2613, 11767]	12277	[13334, 4775]
1865	[3360, 3361]	5336	[7593, 8070]	8807	[11768, 11769]	12278	[10648, 10996]
1866	[3362, 3363]	5337	[8071, 2583]	8808	[3046, 6485]	12279	[12963, 13335]
1867	[1035, 3364]	5338	[7983, 8072]	8809	[11770, 11771]	12280	[13336, 4809]
1868	[3365, 3366]	5339	[8073, 8074]	8810	[6296, 5992]	12281	[5079, 3681]
1869	[3367, 3368]	5340	[8075, 7619]	8811	[11772, 5991]	12282	[10703, 13337]
1870	[3369, 3370]	5341	[8076, 2831]	8812	[7518, 5977]	12283	[9240, 11509]
1871	[3371, 3372]	5342	[8077, 8078]	8813	[7802, 2456]	12284	[13338, 9787]
1872	[3373, 429]	5343	[8079, 2033]	8814	[11773, 11673]	12285	[12947, 11286]
1873	[495, 3374]	5344	[8080, 8081]	8815	[6225, 8187]	12286	[10412, 10867]
1874	[3375, 3376]	5345	[8082, 6386]	8816	[3276, 2487]	12287	[12993, 13339]
1875	[298, 3377]	5346	[8083, 8084]	8817	[11588, 7694]	12288	[10868, 11512]
1876	[3378, 3379]	5347	[756, 7328]	8818	[7923, 7296]	12289	[8913, 13315]
1877	[3380, 3381]	5348	[7689, 2194]	8819	[8428, 6939]	12290	[13025, 10018]
1878	[3382, 3383]	5349	[8085, 8086]	8820	[11774, 955]	12291	[3452, 10261]
1879	[1260, 3384]	5350	[8087, 6937]	8821	[11775, 11776]	12292	[8616, 13340]
1880	[432, 3385]	5351	[8088, 7963]	8822	[6298, 7761]	12293	[4355, 13341]
1881	[3386, 3387]	5352	[7334, 6260]	8823	[2595, 6655]	12294	[5462, 9145]

1882	[3388, 3389]	5353	[8089, 8090]	8824	[7979, 1868]	12295	[8569, 9263]
1883	[3390, 3391]	5354	[8091, 7939]	8825	[1953, 11777]	12296	[13342, 9867]
1884	[3392, 3393]	5355	[8092, 2942]	8826	[773, 1891]	12297	[13343, 9445]
1885	[3394, 3395]	5356	[8093, 6891]	8827	[775, 7175]	12298	[9693, 3501]
1886	[3396, 3397]	5357	[8094, 8095]	8828	[2064, 11778]	12299	[404, 13316]
1887	[3398, 3399]	5358	[2029, 8096]	8829	[6801, 6918]	12300	[13257, 13344]
1888	[3400, 3401]	5359	[7169, 7866]	8830	[6289, 6996]	12301	[13345, 8753]
1889	[398, 3402]	5360	[2172, 8097]	8831	[11779, 6781]	12302	[1123, 12903]
1890	[3403, 3404]	5361	[8046, 7422]	8832	[11780, 11781]	12303	[13346, 13296]
1891	[1490, 3405]	5362	[8025, 2780]	8833	[6557, 11586]	12304	[9659, 9558]
1892	[3406, 3407]	5363	[2651, 7274]	8834	[6727, 7796]	12305	[13347, 3739]
1893	[3408, 3409]	5364	[6261, 8098]	8835	[3312, 11782]	12306	[4066, 10179]
1894	[3410, 3411]	5365	[6315, 7466]	8836	[3173, 8350]	12307	[12985, 10506]
1895	[3412, 3413]	5366	[6283, 8029]	8837	[6971, 7590]	12308	[1510, 1480]
1896	[3414, 357]	5367	[6491, 6842]	8838	[11783, 11784]	12309	[9142, 13348]
1897	[3415, 3416]	5368	[2208, 8099]	8839	[11785, 155]	12310	[5791, 10737]
1898	[3417, 3418]	5369	[8100, 2433]	8840	[3024, 11786]	12311	[3529, 13159]
1899	[3419, 3420]	5370	[8101, 2077]	8841	[1905, 1908]	12312	[11283, 4346]
1900	[3421, 3422]	5371	[8102, 8103]	8842	[8152, 8151]	12313	[13349, 5025]
1901	[3423, 3424]	5372	[7924, 2963]	8843	[11787, 11788]	12314	[9837, 5706]
1902	[3425, 123]	5373	[8104, 8105]	8844	[7129, 11789]	12315	[3553, 13350]
1903	[3426, 3427]	5374	[8106, 2667]	8845	[8409, 11790]	12316	[1375, 13082]
1904	[3428, 3429]	5375	[8107, 3006]	8846	[11791, 6121]	12317	[13351, 11096]
1905	[3430, 3431]	5376	[8108, 8109]	8847	[11567, 7683]	12318	[12884, 9791]
1906	[3432, 1265]	5377	[657, 6986]	8848	[8077, 6061]	12319	[1461, 1212]
1907	[3433, 3434]	5378	[8110, 8111]	8849	[7284, 6035]	12320	[10401, 13352]
1908	[3435, 3436]	5379	[2664, 2660]	8850	[641, 7108]	12321	[13353, 8920]
1909	[3437, 3438]	5380	[6677, 6786]	8851	[6516, 11792]	12322	[5066, 11410]
1910	[3439, 3440]	5381	[8112, 7078]	8852	[11793, 11794]	12323	[10556, 10624]
1911	[3441, 3442]	5382	[8113, 7079]	8853	[627, 6037]	12324	[11123, 13354]
1912	[3443, 3444]	5383	[8114, 7774]	8854	[6001, 11795]	12325	[4528, 4237]
1913	[3445, 3446]	5384	[6705, 6494]	8855	[11796, 7380]	12326	[10865, 3634]
1914	[3447, 3448]	5385	[8098, 8115]	8856	[11797, 11789]	12327	[13355, 13356]
1915	[3449, 3450]	5386	[6230, 8116]	8857	[11798, 6327]	12328	[9713, 4866]
1916	[3451, 3452]	5387	[1870, 7934]	8858	[7988, 11799]	12329	[10827, 13098]
1917	[3453, 3454]	5388	[2199, 6986]	8859	[3002, 11800]	12330	[13357, 13358]
1918	[3455, 3456]	5389	[8117, 667]	8860	[7918, 7970]	12331	[10628, 13359]
1919	[3457, 3458]	5390	[2325, 5930]	8861	[11801, 5841]	12332	[4015, 8476]
1920	[3459, 3460]	5391	[7558, 7022]	8862	[7410, 11802]	12333	[1389, 3410]
1921	[3461, 3462]	5392	[6578, 2264]	8863	[6258, 2176]	12334	[10010, 13360]
1922	[3463, 3464]	5393	[7580, 1886]	8864	[6551, 11803]	12335	[3586, 13361]
1923	[3465, 3466]	5394	[8118, 2628]	8865	[11804, 7445]	12336	[5045, 10757]
1924	[3467, 3468]	5395	[6819, 638]	8866	[7702, 11805]	12337	[13362, 3390]
1925	[3469, 3470]	5396	[8119, 2096]	8867	[11806, 7310]	12338	[11444, 9906]

1926	[3471, 3472]	5397	[8120, 6657]	8868	[11807, 11808]	12339	[1764, 347]
1927	[3473, 3474]	5398	[6465, 8121]	8869	[8123, 2372]	12340	[4177, 13363]
1928	[3475, 3476]	5399	[7309, 7037]	8870	[2648, 11809]	12341	[1707, 5569]
1929	[3477, 3478]	5400	[5874, 6605]	8871	[6683, 2741]	12342	[12855, 4795]
1930	[3479, 3480]	5401	[8122, 6332]	8872	[11810, 6859]	12343	[9089, 1402]
1931	[3481, 3482]	5402	[8123, 2203]	8873	[7202, 11811]	12344	[8548, 8536]
1932	[3483, 3484]	5403	[8094, 6206]	8874	[6973, 7574]	12345	[9607, 13364]
1933	[3485, 3486]	5404	[6950, 6080]	8875	[11812, 11813]	12346	[4808, 9661]
1934	[3487, 3488]	5405	[5922, 6150]	8876	[6726, 2031]	12347	[5157, 13112]
1935	[3489, 3490]	5406	[2730, 1889]	8877	[8360, 8105]	12348	[13248, 11203]
1936	[3491, 3492]	5407	[6886, 159]	8878	[193, 5896]	12349	[5643, 13365]
1937	[3493, 3494]	5408	[8124, 7457]	8879	[11713, 11814]	12350	[13366, 13367]
1938	[3495, 3496]	5409	[7069, 7414]	8880	[11815, 6240]	12351	[4977, 1767]
1939	[3497, 3498]	5410	[6122, 8125]	8881	[11816, 8012]	12352	[13368, 10984]
1940	[3499, 3500]	5411	[856, 6819]	8882	[11762, 11663]	12353	[13369, 13370]
1941	[3501, 3502]	5412	[7961, 2475]	8883	[11817, 7286]	12354	[13371, 9673]
1942	[3503, 3504]	5413	[6834, 8126]	8884	[11818, 11614]	12355	[1217, 10406]
1943	[3505, 3506]	5414	[8127, 604]	8885	[11819, 7202]	12356	[13372, 5560]
1944	[3507, 27]	5415	[8128, 8129]	8886	[11820, 11821]	12357	[1553, 10127]
1945	[3508, 3509]	5416	[2945, 3134]	8887	[2585, 5969]	12358	[5332, 13373]
1946	[3510, 3511]	5417	[43, 8094]	8888	[11822, 1892]	12359	[13374, 1149]
1947	[3512, 1487]	5418	[3336, 8130]	8889	[2404, 7812]	12360	[11006, 13375]
1948	[1802, 3513]	5419	[8131, 8132]	8890	[11823, 11824]	12361	[9160, 4271]
1949	[3514, 3515]	5420	[8133, 6227]	8891	[11825, 3196]	12362	[13376, 1511]
1950	[1101, 388]	5421	[6695, 8134]	8892	[6357, 3011]	12363	[4338, 11471]
1951	[1103, 3516]	5422	[8135, 5973]	8893	[11826, 6507]	12364	[13377, 10073]
1952	[3517, 3518]	5423	[8136, 8137]	8894	[3100, 6369]	12365	[3964, 13378]
1953	[3519, 3520]	5424	[8138, 7205]	8895	[8343, 7073]	12366	[1607, 13011]
1954	[1371, 3521]	5425	[7789, 6673]	8896	[11827, 6341]	12367	[8839, 13379]
1955	[3522, 3523]	5426	[8139, 8140]	8897	[8273, 11828]	12368	[4854, 4417]
1956	[3387, 3524]	5427	[8141, 8142]	8898	[7196, 7635]	12369	[13380, 13381]
1957	[3525, 3340]	5428	[7488, 6640]	8899	[11829, 11830]	12370	[4914, 13382]
1958	[3526, 3527]	5429	[6835, 8143]	8900	[2084, 6747]	12371	[9497, 1312]
1959	[3528, 3529]	5430	[7447, 223]	8901	[2086, 6809]	12372	[1015, 13383]
1960	[3530, 3531]	5431	[7023, 2600]	8902	[11776, 8330]	12373	[13384, 1492]
1961	[1003, 3532]	5432	[8144, 2029]	8903	[11831, 11671]	12374	[13385, 11409]
1962	[3533, 3534]	5433	[7693, 6385]	8904	[5888, 7482]	12375	[11013, 13386]
1963	[1403, 3535]	5434	[7016, 8145]	8905	[2755, 2778]	12376	[5087, 12811]
1964	[3536, 3537]	5435	[2963, 8146]	8906	[8299, 2175]	12377	[11216, 13387]
1965	[3538, 473]	5436	[7184, 8147]	8907	[1969, 11832]	12378	[13388, 13389]
1966	[3539, 3540]	5437	[7698, 8148]	8908	[11833, 13]	12379	[10988, 5740]
1967	[3541, 3542]	5438	[2353, 2715]	8909	[2794, 1997]	12380	[11348, 13390]
1968	[3543, 3544]	5439	[8149, 8150]	8910	[11834, 2092]	12381	[13391, 13392]
1969	[3545, 3546]	5440	[8151, 8152]	8911	[6307, 822]	12382	[9589, 13393]

1970	[3547, 3548]	5441	[7105, 8153]	8912	[5933, 5939]	12383	[13394, 13395]
1971	[1442, 3549]	5442	[8154, 8155]	8913	[8062, 6752]	12384	[13396, 3487]
1972	[3550, 3551]	5443	[8156, 7051]	8914	[6687, 6930]	12385	[5530, 10861]
1973	[3552, 3553]	5444	[6848, 2086]	8915	[6496, 7593]	12386	[13397, 13398]
1974	[3554, 3555]	5445	[2452, 8157]	8916	[11835, 2105]	12387	[13399, 10799]
1975	[3556, 3557]	5446	[8158, 7110]	8917	[6630, 2470]	12388	[4317, 4394]
1976	[3558, 3559]	5447	[7795, 8159]	8918	[11836, 8097]	12389	[9153, 8666]
1977	[3560, 3561]	5448	[7943, 8160]	8919	[11837, 8104]	12390	[10101, 13400]
1978	[3562, 3563]	5449	[8161, 6530]	8920	[11838, 11794]	12391	[10740, 10559]
1979	[3564, 3565]	5450	[41, 8162]	8921	[6150, 7518]	12392	[13401, 13402]
1980	[3566, 3567]	5451	[8163, 8164]	8922	[2503, 2234]	12393	[3730, 10518]
1981	[3568, 3569]	5452	[6452, 3033]	8923	[8346, 7579]	12394	[13403, 8709]
1982	[3570, 3571]	5453	[3297, 8165]	8924	[3072, 11839]	12395	[5405, 3574]
1983	[3572, 3573]	5454	[8166, 2919]	8925	[8062, 6914]	12396	[3973, 10199]
1984	[3574, 3575]	5455	[591, 7492]	8926	[6675, 11840]	12397	[13404, 13405]
1985	[3576, 3577]	5456	[8167, 8168]	8927	[7189, 2842]	12398	[13245, 13406]
1986	[3578, 3579]	5457	[8169, 6949]	8928	[7415, 7838]	12399	[3758, 13407]
1987	[1407, 3580]	5458	[6580, 5971]	8929	[11841, 3078]	12400	[4931, 12983]
1988	[3581, 3582]	5459	[8170, 6091]	8930	[897, 2685]	12401	[4586, 13408]
1989	[3583, 3584]	5460	[7349, 1949]	8931	[1900, 11634]	12402	[13314, 4376]
1990	[3585, 3586]	5461	[8171, 8172]	8932	[11842, 695]	12403	[10214, 3799]
1991	[3587, 1702]	5462	[9, 7596]	8933	[11843, 11844]	12404	[10159, 13409]
1992	[3588, 3589]	5463	[514, 901]	8934	[7033, 7013]	12405	[13263, 9086]
1993	[3590, 3591]	5464	[8173, 6805]	8935	[6826, 6182]	12406	[1733, 11000]
1994	[3592, 3593]	5465	[7682, 8174]	8936	[8379, 11845]	12407	[1097, 13410]
1995	[3594, 3595]	5466	[8175, 6308]	8937	[11846, 11847]	12408	[9144, 13411]
1996	[3596, 3597]	5467	[8176, 7547]	8938	[11775, 2614]	12409	[13412, 10893]
1997	[3598, 3599]	5468	[8177, 8178]	8939	[11848, 6213]	12410	[13413, 11368]
1998	[3600, 3601]	5469	[8179, 2130]	8940	[11849, 3220]	12411	[13414, 13415]
1999	[1297, 3602]	5470	[6213, 8180]	8941	[11624, 5931]	12412	[4608, 21]
2000	[3603, 3604]	5471	[8181, 2277]	8942	[2479, 11850]	12413	[13407, 12944]
2001	[3605, 3606]	5472	[6585, 8182]	8943	[11851, 11813]	12414	[4139, 8819]
2002	[3607, 3608]	5473	[8183, 2664]	8944	[11852, 11853]	12415	[13416, 10571]
2003	[3597, 3609]	5474	[6239, 8184]	8945	[199, 2952]	12416	[9597, 13417]
2004	[3610, 3611]	5475	[8185, 8186]	8946	[128, 58]	12417	[10475, 13353]
2005	[3612, 3613]	5476	[8187, 7533]	8947	[11854, 7107]	12418	[5382, 4310]
2006	[3614, 3615]	5477	[677, 7530]	8948	[8391, 11855]	12419	[13299, 13418]
2007	[3616, 3617]	5478	[8188, 8113]	8949	[11811, 7397]	12420	[13419, 4229]
2008	[3618, 3619]	5479	[2519, 8099]	8950	[11856, 5979]	12421	[5786, 13420]
2009	[3620, 3621]	5480	[2522, 7985]	8951	[11857, 11754]	12422	[13421, 13422]
2010	[3622, 3623]	5481	[7900, 8189]	8952	[1868, 2551]	12423	[8691, 13423]
2011	[3624, 3625]	5482	[6991, 8190]	8953	[7806, 8353]	12424	[10374, 5113]
2012	[3626, 3627]	5483	[8191, 8192]	8954	[2950, 6725]	12425	[10381, 9900]
2013	[3628, 3629]	5484	[3070, 8193]	8955	[11624, 8246]	12426	[13424, 5511]

2014	[1840, 3600]	5485	[7853, 7203]	8956	[11858, 11859]	12427	[13425, 5147]
2015	[3630, 3631]	5486	[7253, 8194]	8957	[608, 7600]	12428	[10513, 12844]
2016	[3632, 3633]	5487	[743, 6383]	8958	[2321, 11860]	12429	[3484, 1439]
2017	[3634, 3635]	5488	[8195, 8196]	8959	[11861, 11862]	12430	[1641, 9223]
2018	[3636, 3637]	5489	[5878, 8197]	8960	[6613, 6601]	12431	[4343, 12846]
2019	[3638, 3639]	5490	[3280, 574]	8961	[11863, 2217]	12432	[13426, 8527]
2020	[3640, 3641]	5491	[7442, 5915]	8962	[11864, 7977]	12433	[12863, 13427]
2021	[3642, 3643]	5492	[2509, 8193]	8963	[11694, 6701]	12434	[13411, 5233]
2022	[3644, 3645]	5493	[8198, 7232]	8964	[6274, 11865]	12435	[13428, 10834]
2023	[3646, 3647]	5494	[6454, 8199]	8965	[913, 11866]	12436	[11282, 13429]
2024	[28, 3648]	5495	[8200, 8201]	8966	[7809, 11867]	12437	[13430, 9490]
2025	[3649, 3650]	5496	[8202, 6096]	8967	[11868, 6141]	12438	[9220, 11130]
2026	[3651, 3652]	5497	[6972, 8203]	8968	[7262, 163]	12439	[10190, 4278]
2027	[3653, 3654]	5498	[6159, 8204]	8969	[7700, 11869]	12440	[13431, 10143]
2028	[3655, 3656]	5499	[8205, 6886]	8970	[11870, 2623]	12441	[13375, 4874]
2029	[3657, 3658]	5500	[8206, 8207]	8971	[7485, 6390]	12442	[3601, 9063]
2030	[3659, 3660]	5501	[8208, 8209]	8972	[11871, 2069]	12443	[8706, 9024]
2031	[3661, 3662]	5502	[2848, 5882]	8973	[11872, 6788]	12444	[4888, 5579]
2032	[3663, 3664]	5503	[8210, 5884]	8974	[7627, 52]	12445	[13432, 4789]
2033	[3665, 3666]	5504	[6484, 7682]	8975	[6319, 7193]	12446	[13433, 8577]
2034	[3667, 3668]	5505	[8211, 8212]	8976	[7687, 560]	12447	[11390, 13434]
2035	[3669, 3670]	5506	[2094, 8196]	8977	[11873, 7583]	12448	[13024, 13435]
2036	[3671, 3672]	5507	[1910, 8213]	8978	[6362, 8189]	12449	[3793, 13436]
2037	[3673, 3674]	5508	[7737, 794]	8979	[6479, 6528]	12450	[3864, 1036]
2038	[3675, 3676]	5509	[8214, 8215]	8980	[11712, 7565]	12451	[13437, 13438]
2039	[3534, 3677]	5510	[8216, 2631]	8981	[11874, 2101]	12452	[13157, 11361]
2040	[3678, 3679]	5511	[7901, 240]	8982	[2184, 6245]	12453	[13439, 10324]
2041	[1682, 3680]	5512	[2540, 3184]	8983	[2308, 11875]	12454	[11212, 13440]
2042	[3681, 3682]	5513	[7012, 7034]	8984	[11876, 7904]	12455	[5690, 13180]
2043	[3683, 3684]	5514	[8217, 2695]	8985	[2188, 11877]	12456	[8511, 8794]
2044	[481, 3685]	5515	[6975, 3115]	8986	[11878, 11879]	12457	[13268, 9805]
2045	[3686, 3687]	5516	[3211, 8070]	8987	[11880, 2501]	12458	[13441, 8639]
2046	[3688, 3689]	5517	[6935, 1884]	8988	[11648, 6818]	12459	[13442, 13443]
2047	[3690, 3691]	5518	[1899, 8218]	8989	[11881, 11882]	12460	[292, 11274]
2048	[3692, 1809]	5519	[8219, 8220]	8990	[11792, 866]	12461	[11474, 11162]
2049	[3693, 3694]	5520	[8221, 5990]	8991	[7086, 11883]	12462	[13444, 5008]
2050	[3695, 3696]	5521	[6248, 2644]	8992	[11884, 11885]	12463	[9734, 11451]
2051	[3697, 3698]	5522	[7061, 7855]	8993	[6786, 3242]	12464	[10619, 10795]
2052	[3699, 3700]	5523	[6179, 5876]	8994	[794, 3275]	12465	[13445, 13446]
2053	[3701, 3702]	5524	[8222, 2238]	8995	[2398, 517]	12466	[1266, 13447]
2054	[3703, 3704]	5525	[2819, 8223]	8996	[6375, 7460]	12467	[10308, 4055]
2055	[1672, 3705]	5526	[2137, 8224]	8997	[11886, 11887]	12468	[13448, 264]
2056	[3706, 3707]	5527	[8225, 8226]	8998	[3232, 686]	12469	[13363, 10790]
2057	[3708, 3709]	5528	[7082, 8227]	8999	[11697, 2218]	12470	[11109, 13449]

2058	[3710, 3711]	5529	[3274, 156]	9000	[7031, 6207]	12471	[104, 8525]
2059	[3712, 3713]	5530	[8228, 8229]	9001	[11695, 11888]	12472	[8833, 5377]
2060	[3714, 3715]	5531	[6040, 2395]	9002	[11889, 6330]	12473	[13450, 9260]
2061	[3716, 3717]	5532	[7543, 7536]	9003	[6006, 11839]	12474	[3744, 5623]
2062	[3718, 3719]	5533	[3296, 659]	9004	[3193, 11890]	12475	[13324, 4869]
2063	[269, 3720]	5534	[884, 8230]	9005	[2259, 11891]	12476	[13451, 9477]
2064	[3721, 3722]	5535	[3136, 8231]	9006	[11892, 11893]	12477	[13452, 12901]
2065	[3719, 3723]	5536	[6622, 6629]	9007	[5992, 11894]	12478	[10116, 13453]
2066	[3724, 3725]	5537	[2638, 2808]	9008	[7133, 11895]	12479	[13454, 13455]
2067	[3726, 399]	5538	[8232, 8233]	9009	[11896, 7677]	12480	[13456, 10482]
2068	[3727, 3728]	5539	[8234, 8235]	9010	[8037, 8345]	12481	[4596, 5039]
2069	[3729, 3730]	5540	[2243, 6760]	9011	[3125, 632]	12482	[13457, 8457]
2070	[3731, 3732]	5541	[8236, 8237]	9012	[6416, 6471]	12483	[4424, 10916]
2071	[3733, 3734]	5542	[8238, 7553]	9013	[11897, 11898]	12484	[13458, 13459]
2072	[3735, 3736]	5543	[3153, 8239]	9014	[2687, 11874]	12485	[8847, 10375]
2073	[3737, 1749]	5544	[819, 6619]	9015	[6295, 5991]	12486	[13054, 10960]
2074	[1301, 3738]	5545	[8240, 8241]	9016	[7769, 7931]	12487	[13460, 13461]
2075	[3739, 3740]	5546	[5900, 8242]	9017	[11717, 2996]	12488	[13462, 13032]
2076	[3741, 3742]	5547	[8243, 8244]	9018	[1972, 11899]	12489	[13213, 11121]
2077	[3743, 3744]	5548	[7895, 6438]	9019	[6317, 821]	12490	[13463, 9838]
2078	[3745, 3746]	5549	[8245, 692]	9020	[11817, 11900]	12491	[9897, 13464]
2079	[3747, 3748]	5550	[2313, 6634]	9021	[6157, 7178]	12492	[11011, 3378]
2080	[3749, 3750]	5551	[5930, 8246]	9022	[1961, 6991]	12493	[13465, 10749]
2081	[3751, 3752]	5552	[8247, 8248]	9023	[1877, 7359]	12494	[13466, 13467]
2082	[3753, 3754]	5553	[8249, 2990]	9024	[11867, 5833]	12495	[11379, 13468]
2083	[3755, 3756]	5554	[6340, 8250]	9025	[6664, 6715]	12496	[9886, 8575]
2084	[3757, 3758]	5555	[8251, 8252]	9026	[2980, 6209]	12497	[13469, 3688]
2085	[1652, 3759]	5556	[6290, 3169]	9027	[7724, 2902]	12498	[5570, 10583]
2086	[3760, 3761]	5557	[1945, 6749]	9028	[2580, 11828]	12499	[13470, 13471]
2087	[352, 3762]	5558	[8253, 6639]	9029	[2399, 7647]	12500	[10647, 13472]
2088	[3763, 3764]	5559	[7270, 8254]	9030	[2007, 8019]	12501	[13473, 9109]
2089	[3765, 3766]	5560	[2958, 3306]	9031	[2805, 2582]	12502	[9613, 13474]
2090	[3767, 3768]	5561	[8126, 8255]	9032	[5932, 7721]	12503	[8719, 9625]
2091	[3769, 3770]	5562	[824, 2270]	9033	[11901, 7890]	12504	[13475, 1671]
2092	[3771, 3772]	5563	[3031, 7823]	9034	[2797, 7967]	12505	[13476, 9164]
2093	[3773, 3774]	5564	[6809, 5876]	9035	[2226, 11902]	12506	[1309, 13477]
2094	[3775, 3539]	5565	[2321, 8256]	9036	[6594, 7768]	12507	[10087, 13478]
2095	[3776, 3777]	5566	[6646, 8257]	9037	[6658, 3061]	12508	[348, 3771]
2096	[3778, 3779]	5567	[8258, 8053]	9038	[6041, 6367]	12509	[13479, 10563]
2097	[3780, 107]	5568	[8259, 8260]	9039	[6026, 7999]	12510	[1452, 3430]
2098	[3548, 3781]	5569	[8261, 6018]	9040	[6679, 7444]	12511	[11126, 5562]
2099	[3782, 3783]	5570	[2788, 8262]	9041	[7182, 11572]	12512	[13151, 13480]
2100	[3784, 3785]	5571	[6598, 3270]	9042	[11903, 6956]	12513	[3472, 9003]
2101	[3609, 3786]	5572	[8263, 53]	9043	[2299, 11904]	12514	[13021, 10781]

2102	[3787, 3788]	5573	[8264, 7097]	9044	[11905, 11906]	12515	[3374, 9033]
2103	[3789, 3481]	5574	[898, 6852]	9045	[6901, 6100]	12516	[11012, 10410]
2104	[3790, 3791]	5575	[6304, 8265]	9046	[741, 11907]	12517	[11481, 13362]
2105	[3792, 3793]	5576	[530, 3211]	9047	[2293, 11908]	12518	[13481, 9091]
2106	[3794, 3795]	5577	[787, 7808]	9048	[6628, 2156]	12519	[10857, 12943]
2107	[3796, 3797]	5578	[3244, 6461]	9049	[11909, 7660]	12520	[13482, 12956]
2108	[3798, 1471]	5579	[8266, 5893]	9050	[11910, 7831]	12521	[13483, 13484]
2109	[3799, 3800]	5580	[7728, 7508]	9051	[11911, 956]	12522	[13485, 991]
2110	[3801, 3614]	5581	[8267, 8268]	9052	[7849, 8132]	12523	[4004, 13486]
2111	[3802, 3803]	5582	[8269, 5856]	9053	[680, 11912]	12524	[9380, 13487]
2112	[3804, 3805]	5583	[8270, 5952]	9054	[2626, 11913]	12525	[13488, 5717]
2113	[3806, 3807]	5584	[8271, 7512]	9055	[11914, 6491]	12526	[5373, 5189]
2114	[3401, 3808]	5585	[6724, 2951]	9056	[11915, 6560]	12527	[13489, 311]
2115	[1717, 3809]	5586	[8272, 8273]	9057	[11916, 11917]	12528	[13490, 10547]
2116	[3810, 3811]	5587	[8274, 7039]	9058	[2288, 7324]	12529	[1790, 10546]
2117	[3812, 3813]	5588	[7295, 8040]	9059	[2384, 11918]	12530	[13491, 9424]
2118	[3814, 3815]	5589	[7519, 7769]	9060	[3085, 2716]	12531	[4248, 4016]
2119	[3816, 3817]	5590	[6374, 8275]	9061	[11919, 1964]	12532	[10809, 5565]
2120	[3818, 3819]	5591	[7274, 5846]	9062	[6993, 11809]	12533	[13492, 1667]
2121	[3820, 3821]	5592	[2078, 5864]	9063	[11920, 11905]	12534	[3823, 5120]
2122	[3822, 3823]	5593	[8276, 8277]	9064	[1882, 11921]	12535	[13493, 13494]
2123	[3824, 3825]	5594	[8278, 8279]	9065	[6699, 6597]	12536	[13495, 11165]
2124	[3826, 3827]	5595	[8280, 6947]	9066	[7235, 3050]	12537	[13496, 10912]
2125	[3828, 1167]	5596	[7327, 2043]	9067	[6766, 2174]	12538	[13065, 5070]
2126	[3829, 3830]	5597	[6067, 8281]	9068	[3087, 7570]	12539	[12896, 9948]
2127	[3831, 3832]	5598	[6961, 6773]	9069	[7350, 8421]	12540	[11333, 5396]
2128	[3833, 3834]	5599	[2401, 1898]	9070	[11922, 7629]	12541	[13204, 4585]
2129	[3835, 3836]	5600	[8282, 8283]	9071	[8411, 732]	12542	[3506, 1342]
2130	[3837, 3838]	5601	[8284, 659]	9072	[2516, 7137]	12543	[13497, 13498]
2131	[3839, 3840]	5602	[6940, 7956]	9073	[6994, 2438]	12544	[13288, 13499]
2132	[3841, 1118]	5603	[6218, 8285]	9074	[6802, 7086]	12545	[255, 13002]
2133	[3842, 3843]	5604	[8286, 8287]	9075	[11923, 7843]	12546	[13500, 13501]
2134	[3844, 3845]	5605	[8288, 6004]	9076	[176, 3254]	12547	[10562, 10490]
2135	[3846, 3847]	5606	[2225, 7990]	9077	[7671, 11924]	12548	[9322, 4728]
2136	[3848, 3849]	5607	[8206, 8289]	9078	[7006, 3006]	12549	[1356, 10215]
2137	[3850, 3851]	5608	[7851, 148]	9079	[11925, 11926]	12550	[4443, 13502]
2138	[3852, 3853]	5609	[8290, 2062]	9080	[11927, 11928]	12551	[13503, 13504]
2139	[3854, 3855]	5610	[8291, 8292]	9081	[7645, 11929]	12552	[13144, 10524]
2140	[3856, 3857]	5611	[8293, 8072]	9082	[11930, 11931]	12553	[12953, 13505]
2141	[3858, 3859]	5612	[7470, 2229]	9083	[7283, 11543]	12554	[8498, 8825]
2142	[1674, 3860]	5613	[6633, 8281]	9084	[11932, 7927]	12555	[10056, 446]
2143	[3861, 3862]	5614	[6490, 8294]	9085	[2485, 3172]	12556	[12965, 5677]
2144	[3863, 3864]	5615	[8295, 8296]	9086	[796, 11602]	12557	[13506, 9751]
2145	[3865, 3866]	5616	[8297, 6557]	9087	[7829, 6536]	12558	[9413, 10978]

2146	[3867, 3868]	5617	[1990, 6845]	9088	[7524, 5911]	12559	[13507, 13508]
2147	[3869, 3870]	5618	[5855, 8298]	9089	[11933, 2638]	12560	[970, 13509]
2148	[3871, 3872]	5619	[7465, 6316]	9090	[11727, 7852]	12561	[9977, 13510]
2149	[3873, 3483]	5620	[6104, 6522]	9091	[11934, 6920]	12562	[3458, 10028]
2150	[3874, 3875]	5621	[2346, 5921]	9092	[11935, 11936]	12563	[9495, 11302]
2151	[3569, 3876]	5622	[2631, 7697]	9093	[2046, 11937]	12564	[13511, 11371]
2152	[3877, 3878]	5623	[8299, 6258]	9094	[7866, 11608]	12565	[1088, 8900]
2153	[3879, 3880]	5624	[3125, 8133]	9095	[2895, 11938]	12566	[10555, 12824]
2154	[3881, 3882]	5625	[8300, 8301]	9096	[11825, 2552]	12567	[11069, 10327]
2155	[3883, 3884]	5626	[2842, 8302]	9097	[7308, 7293]	12568	[13453, 13512]
2156	[3885, 3886]	5627	[7666, 8303]	9098	[7071, 900]	12569	[5739, 4357]
2157	[3887, 3888]	5628	[8304, 7224]	9099	[5999, 8239]	12570	[12918, 12817]
2158	[3889, 3890]	5629	[8305, 8162]	9100	[2157, 11939]	12571	[13513, 12950]
2159	[3891, 343]	5630	[8306, 8307]	9101	[11940, 11941]	12572	[13183, 10008]
2160	[3892, 3893]	5631	[8308, 8309]	9102	[1934, 2322]	12573	[13514, 450]
2161	[3894, 3895]	5632	[8310, 6689]	9103	[591, 11942]	12574	[13515, 13516]
2162	[3896, 3897]	5633	[8311, 7929]	9104	[7130, 889]	12575	[10142, 10970]
2163	[3898, 361]	5634	[8312, 7862]	9105	[8249, 11943]	12576	[11384, 9040]
2164	[3899, 3900]	5635	[7819, 2999]	9106	[8333, 6290]	12577	[8582, 13517]
2165	[3901, 3902]	5636	[8313, 7286]	9107	[232, 11944]	12578	[5349, 13518]
2166	[3903, 3904]	5637	[8314, 8315]	9108	[11945, 11667]	12579	[13519, 11038]
2167	[3905, 3906]	5638	[8316, 8317]	9109	[836, 8172]	12580	[11321, 11164]
2168	[296, 3907]	5639	[7204, 8318]	9110	[11946, 6622]	12581	[13367, 8570]
2169	[3908, 3909]	5640	[215, 6348]	9111	[11947, 11626]	12582	[13520, 10922]
2170	[3910, 3911]	5641	[6802, 8319]	9112	[844, 11890]	12583	[5491, 13521]
2171	[3912, 3913]	5642	[8320, 8321]	9113	[915, 8139]	12584	[1245, 11399]
2172	[3914, 3915]	5643	[3291, 8322]	9114	[7805, 7145]	12585	[3906, 13522]
2173	[3916, 3917]	5644	[5942, 7252]	9115	[11948, 11949]	12586	[13523, 9903]
2174	[3918, 3919]	5645	[8323, 7017]	9116	[712, 6889]	12587	[13524, 1773]
2175	[3920, 3921]	5646	[7210, 3331]	9117	[6764, 6802]	12588	[13443, 3350]
2176	[3922, 3923]	5647	[8324, 1910]	9118	[11950, 8320]	12589	[4303, 13525]
2177	[3924, 3925]	5648	[8325, 1965]	9119	[7141, 7847]	12590	[1600, 1469]
2178	[3926, 3927]	5649	[8326, 880]	9120	[7955, 6941]	12591	[11065, 9052]
2179	[3928, 3929]	5650	[2596, 6153]	9121	[11568, 2767]	12592	[13526, 13527]
2180	[3930, 3931]	5651	[7377, 6317]	9122	[11951, 6922]	12593	[11429, 11027]
2181	[3932, 3933]	5652	[7302, 2144]	9123	[6395, 8285]	12594	[13528, 10684]
2182	[3934, 3935]	5653	[2966, 8327]	9124	[8261, 8455]	12595	[10826, 13470]
2183	[3936, 3937]	5654	[7338, 3067]	9125	[7501, 11747]	12596	[13529, 13530]
2184	[3938, 3939]	5655	[8328, 8329]	9126	[7115, 8398]	12597	[13531, 9753]
2185	[3940, 3941]	5656	[8330, 2787]	9127	[8122, 943]	12598	[369, 8645]
2186	[3942, 1507]	5657	[8331, 8332]	9128	[7229, 11590]	12599	[10567, 10111]
2187	[3943, 3944]	5658	[3224, 7486]	9129	[2373, 7594]	12600	[13061, 13532]
2188	[3945, 3946]	5659	[8333, 2902]	9130	[3307, 832]	12601	[13086, 13533]
2189	[3947, 3948]	5660	[8334, 725]	9131	[2968, 7392]	12602	[13534, 13535]

2190	[3949, 3950]	5661	[639, 8335]	9132	[11952, 5865]	12603	[13119, 11022]
2191	[3951, 3952]	5662	[6454, 8336]	9133	[6863, 6808]	12604	[13536, 9396]
2192	[3953, 3954]	5663	[8337, 8338]	9134	[11953, 6056]	12605	[13537, 13538]
2193	[3621, 3955]	5664	[8339, 8020]	9135	[2473, 707]	12606	[13178, 13539]
2194	[3956, 3957]	5665	[7642, 8340]	9136	[934, 8402]	12607	[13540, 4442]
2195	[1025, 3958]	5666	[813, 8341]	9137	[11954, 6395]	12608	[4358, 10548]
2196	[3959, 3960]	5667	[8342, 8343]	9138	[2513, 2458]	12609	[5749, 13457]
2197	[3961, 1010]	5668	[743, 8344]	9139	[11884, 11955]	12610	[13541, 4709]
2198	[1160, 3962]	5669	[8345, 2039]	9140	[7877, 616]	12611	[10931, 13542]
2199	[3963, 3964]	5670	[6543, 2639]	9141	[7252, 7063]	12612	[1179, 12842]
2200	[3965, 1755]	5671	[8346, 8347]	9142	[6144, 2664]	12613	[13341, 3461]
2201	[3966, 3967]	5672	[6502, 1854]	9143	[11956, 11887]	12614	[11354, 4824]
2202	[3968, 3969]	5673	[8348, 6632]	9144	[11957, 7356]	12615	[13543, 13544]
2203	[3970, 3971]	5674	[6485, 8174]	9145	[11958, 7875]	12616	[5370, 1210]
2204	[3972, 3973]	5675	[8349, 8195]	9146	[7596, 6520]	12617	[5731, 4842]
2205	[3974, 3975]	5676	[661, 2518]	9147	[820, 7398]	12618	[1768, 13545]
2206	[3976, 3977]	5677	[802, 6761]	9148	[11959, 6963]	12619	[10753, 3477]
2207	[3978, 3979]	5678	[877, 8350]	9149	[7079, 5851]	12620	[13546, 12955]
2208	[3980, 3981]	5679	[7564, 6474]	9150	[7490, 2126]	12621	[13547, 13548]
2209	[3982, 3983]	5680	[6702, 6627]	9151	[11960, 2394]	12622	[1086, 4791]
2210	[3984, 3985]	5681	[8191, 8351]	9152	[6533, 11961]	12623	[13549, 3812]
2211	[3986, 3987]	5682	[8352, 8319]	9153	[835, 8171]	12624	[13550, 1795]
2212	[3988, 3989]	5683	[7145, 8353]	9154	[11962, 6400]	12625	[13195, 13551]
2213	[3990, 3991]	5684	[7026, 6933]	9155	[11963, 8385]	12626	[10758, 13482]
2214	[3992, 3993]	5685	[3223, 2600]	9156	[7980, 11825]	12627	[11234, 13552]
2215	[3994, 3995]	5686	[7899, 2284]	9157	[6138, 6357]	12628	[13553, 12845]
2216	[3996, 1626]	5687	[6477, 8354]	9158	[11964, 11965]	12629	[13554, 10303]
2217	[3997, 1327]	5688	[7353, 6779]	9159	[3324, 7717]	12630	[13555, 13556]
2218	[3998, 3999]	5689	[8262, 8355]	9160	[11966, 11967]	12631	[10906, 13557]
2219	[4000, 4001]	5690	[3240, 8076]	9161	[2652, 920]	12632	[5670, 4120]
2220	[1207, 4002]	5691	[546, 5914]	9162	[11587, 8401]	12633	[12869, 13558]
2221	[4003, 4004]	5692	[8356, 2266]	9163	[7045, 11968]	12634	[13559, 10059]
2222	[4005, 4006]	5693	[2024, 8357]	9164	[11946, 7927]	12635	[1219, 9937]
2223	[4007, 4008]	5694	[864, 8358]	9165	[1904, 6406]	12636	[10447, 4883]
2224	[4009, 4010]	5695	[2976, 5900]	9166	[5974, 2813]	12637	[4090, 1712]
2225	[3561, 4011]	5696	[3332, 7706]	9167	[172, 7368]	12638	[13557, 5252]
2226	[4012, 4013]	5697	[8359, 2945]	9168	[6039, 11969]	12639	[13560, 11492]
2227	[4014, 4015]	5698	[6064, 7124]	9169	[11970, 3281]	12640	[13561, 13562]
2228	[4016, 4017]	5699	[8360, 8361]	9170	[11971, 11626]	12641	[13563, 13564]
2229	[4018, 4019]	5700	[2719, 731]	9171	[2108, 11655]	12642	[4907, 13565]
2230	[4020, 4021]	5701	[8362, 2954]	9172	[11972, 7988]	12643	[1475, 13090]
2231	[1658, 4022]	5702	[8363, 146]	9173	[11973, 5891]	12644	[3518, 11523]
2232	[3742, 4023]	5703	[8303, 6049]	9174	[741, 8098]	12645	[4841, 10669]
2233	[4024, 4025]	5704	[3177, 8364]	9175	[11974, 3269]	12646	[10851, 10047]

2234	[4026, 4027]	5705	[7048, 7297]	9176	[3190, 8411]	12647	[13333, 13566]
2235	[4028, 4029]	5706	[5892, 8365]	9177	[11975, 2775]	12648	[13567, 13452]
2236	[4030, 4031]	5707	[8366, 8367]	9178	[841, 7989]	12649	[5642, 10285]
2237	[4032, 4033]	5708	[6256, 2394]	9179	[7223, 1896]	12650	[10446, 4735]
2238	[4034, 4035]	5709	[6072, 6221]	9180	[632, 6465]	12651	[10262, 13568]
2239	[4036, 4037]	5710	[2567, 8368]	9181	[581, 2703]	12652	[13569, 5017]
2240	[4038, 4039]	5711	[8369, 5936]	9182	[7282, 6758]	12653	[9639, 8469]
2241	[4040, 4041]	5712	[8370, 8371]	9183	[7739, 11976]	12654	[11072, 13570]
2242	[4042, 4043]	5713	[7097, 7788]	9184	[11977, 6797]	12655	[13571, 10530]
2243	[4044, 4045]	5714	[1940, 7213]	9185	[7127, 11978]	12656	[3880, 13572]
2244	[4046, 1042]	5715	[8372, 2387]	9186	[1894, 1984]	12657	[3429, 13573]
2245	[3645, 1194]	5716	[8169, 8373]	9187	[140, 3186]	12658	[5616, 10144]
2246	[4047, 4048]	5717	[6595, 8374]	9188	[7126, 7951]	12659	[13354, 1333]
2247	[4049, 4050]	5718	[8375, 6713]	9189	[209, 11979]	12660	[10584, 13491]
2248	[4051, 4052]	5719	[8376, 6861]	9190	[1964, 11980]	12661	[13574, 13575]
2249	[4053, 4054]	5720	[8377, 8378]	9191	[6561, 2002]	12662	[13576, 11124]
2250	[96, 1783]	5721	[8379, 8380]	9192	[7148, 7186]	12663	[9632, 13577]
2251	[4055, 3760]	5722	[8381, 7876]	9193	[2803, 7176]	12664	[10710, 13578]
2252	[4056, 4057]	5723	[6547, 548]	9194	[6848, 6178]	12665	[10105, 13579]
2253	[1009, 4058]	5724	[874, 2702]	9195	[11848, 7360]	12666	[13580, 13581]
2254	[4059, 4060]	5725	[8382, 6449]	9196	[7747, 7016]	12667	[1810, 13349]
2255	[4061, 4062]	5726	[8383, 8005]	9197	[6874, 6692]	12668	[13582, 10852]
2256	[4063, 4064]	5727	[2324, 2129]	9198	[2163, 11609]	12669	[11470, 3352]
2257	[4065, 4066]	5728	[8384, 8385]	9199	[7820, 8452]	12670	[966, 9473]
2258	[4067, 4068]	5729	[8386, 7390]	9200	[7677, 11981]	12671	[1061, 12870]
2259	[4069, 4070]	5730	[6316, 6566]	9201	[6937, 8327]	12672	[5380, 13583]
2260	[4071, 4072]	5731	[6418, 7606]	9202	[6758, 8422]	12673	[11296, 10247]
2261	[4073, 4074]	5732	[8387, 3003]	9203	[8101, 512]	12674	[4169, 4893]
2262	[4075, 4076]	5733	[8388, 8389]	9204	[6260, 741]	12675	[438, 11055]
2263	[4077, 4078]	5734	[2374, 536]	9205	[2153, 11573]	12676	[13584, 13585]
2264	[4079, 4080]	5735	[8390, 871]	9206	[55, 7496]	12677	[1645, 8699]
2265	[4081, 4082]	5736	[7777, 2704]	9207	[11982, 6098]	12678	[13586, 12814]
2266	[982, 1231]	5737	[8391, 8392]	9208	[11925, 11844]	12679	[8993, 13587]
2267	[4083, 4084]	5738	[8393, 8394]	9209	[6777, 6441]	12680	[13588, 3997]
2268	[4085, 4086]	5739	[6142, 6615]	9210	[8295, 7741]	12681	[9731, 13589]
2269	[4087, 4088]	5740	[8395, 2908]	9211	[7569, 3088]	12682	[13590, 1781]
2270	[4089, 4090]	5741	[8396, 2135]	9212	[6606, 2618]	12683	[13591, 11088]
2271	[4091, 4092]	5742	[6763, 2450]	9213	[2426, 8094]	12684	[10500, 8887]
2272	[4093, 3526]	5743	[2548, 8397]	9214	[7535, 7604]	12685	[13592, 5054]
2273	[4094, 4095]	5744	[2567, 8398]	9215	[954, 11983]	12686	[9627, 13593]
2274	[4096, 4097]	5745	[8399, 8400]	9216	[11984, 2928]	12687	[13594, 13595]
2275	[4098, 4099]	5746	[8063, 8401]	9217	[3177, 11985]	12688	[9180, 13596]
2276	[4100, 4101]	5747	[2773, 8402]	9218	[11986, 11987]	12689	[1051, 12984]
2277	[4102, 4103]	5748	[8403, 1925]	9219	[6531, 7264]	12690	[13203, 13441]

2278	[4104, 1677]	5749	[2124, 2528]	9220	[7475, 852]	12691	[9797, 13597]
2279	[1185, 4105]	5750	[8404, 5910]	9221	[2012, 6603]	12692	[13598, 4656]
2280	[4106, 4107]	5751	[5983, 8085]	9222	[2014, 11988]	12693	[10767, 3794]
2281	[4108, 4109]	5752	[232, 2930]	9223	[547, 6548]	12694	[13599, 1038]
2282	[4110, 4111]	5753	[2129, 5930]	9224	[6473, 7642]	12695	[5568, 9218]
2283	[4112, 4113]	5754	[831, 8405]	9225	[11989, 719]	12696	[13600, 5281]
2284	[4114, 3583]	5755	[7657, 6234]	9226	[7231, 11990]	12697	[13601, 13602]
2285	[4115, 3451]	5756	[2236, 8406]	9227	[11991, 674]	12698	[13603, 13604]
2286	[4116, 4117]	5757	[7927, 6629]	9228	[11992, 11993]	12699	[9307, 13605]
2287	[4118, 4119]	5758	[7752, 8407]	9229	[11994, 8314]	12700	[13387, 13240]
2288	[4120, 4121]	5759	[7814, 554]	9230	[7887, 11552]	12701	[1465, 13606]
2289	[4122, 4123]	5760	[6612, 8408]	9231	[3225, 11995]	12702	[5668, 11045]
2290	[4124, 4125]	5761	[7117, 2822]	9232	[8016, 11996]	12703	[13512, 9505]
2291	[4126, 4127]	5762	[8409, 1974]	9233	[11997, 809]	12704	[13607, 11489]
2292	[4128, 4129]	5763	[8410, 6334]	9234	[11753, 5848]	12705	[13608, 13403]
2293	[4130, 4131]	5764	[498, 8411]	9235	[7688, 561]	12706	[5135, 13609]
2294	[4132, 4133]	5765	[2887, 8412]	9236	[11998, 11999]	12707	[3779, 13404]
2295	[4134, 4135]	5766	[8413, 6957]	9237	[7630, 7708]	12708	[11043, 13610]
2296	[4136, 4137]	5767	[6002, 8414]	9238	[12000, 12001]	12709	[13611, 9349]
2297	[4138, 4139]	5768	[7129, 8415]	9239	[12002, 12003]	12710	[13583, 13612]
2298	[4140, 4141]	5769	[2681, 6909]	9240	[2103, 2897]	12711	[9250, 13613]
2299	[4142, 4143]	5770	[6919, 7436]	9241	[619, 7345]	12712	[10354, 10158]
2300	[4144, 4145]	5771	[7335, 8416]	9242	[8332, 6556]	12713	[3950, 4429]
2301	[4146, 4147]	5772	[7407, 3000]	9243	[3242, 12004]	12714	[13088, 13256]
2302	[4148, 4114]	5773	[8417, 8418]	9244	[7727, 11708]	12715	[9328, 13450]
2303	[4149, 4150]	5774	[6244, 2277]	9245	[12005, 12006]	12716	[4892, 3879]
2304	[4151, 4152]	5775	[2349, 2430]	9246	[192, 6549]	12717	[400, 9881]
2305	[4153, 4154]	5776	[8419, 8420]	9247	[7153, 3215]	12718	[10876, 9461]
2306	[4155, 4156]	5777	[8339, 5829]	9248	[6812, 3028]	12719	[8763, 13614]
2307	[4157, 4158]	5778	[6124, 8421]	9249	[8451, 6095]	12720	[4458, 13615]
2308	[294, 4159]	5779	[6844, 8422]	9250	[879, 12007]	12721	[10292, 13481]
2309	[4160, 4161]	5780	[35, 8423]	9251	[12008, 2189]	12722	[11337, 9566]
2310	[4162, 4163]	5781	[7594, 607]	9252	[6621, 3183]	12723	[9378, 1259]
2311	[4164, 4165]	5782	[7611, 7269]	9253	[161, 5865]	12724	[11201, 8916]
2312	[4166, 4167]	5783	[3210, 5988]	9254	[6151, 11569]	12725	[13361, 9105]
2313	[4168, 4169]	5784	[7562, 1904]	9255	[11930, 2226]	12726	[13616, 1120]
2314	[4170, 4171]	5785	[8424, 8425]	9256	[12009, 7208]	12727	[13617, 10465]
2315	[4172, 1649]	5786	[8426, 2416]	9257	[2191, 12010]	12728	[8679, 11407]
2316	[4173, 4174]	5787	[8427, 8428]	9258	[12011, 5937]	12729	[13618, 10950]
2317	[4175, 4176]	5788	[6881, 5928]	9259	[8198, 11990]	12730	[13619, 13050]
2318	[4006, 4177]	5789	[2730, 7938]	9260	[6331, 943]	12731	[5290, 13620]
2319	[4178, 4179]	5790	[7175, 7650]	9261	[12012, 2768]	12732	[13033, 10479]
2320	[4180, 4181]	5791	[40, 7867]	9262	[12013, 12014]	12733	[10251, 13345]
2321	[4182, 4183]	5792	[8125, 3025]	9263	[8343, 8358]	12734	[8677, 9924]

2322	[4184, 4185]	5793	[8429, 8430]	9264	[12015, 6117]	12735	[9034, 13621]
2323	[4186, 4187]	5794	[5826, 8431]	9265	[671, 8439]	12736	[13389, 11229]
2324	[4188, 4189]	5795	[8432, 8433]	9266	[6948, 8373]	12737	[13622, 13432]
2325	[3967, 4190]	5796	[8434, 8435]	9267	[12016, 8425]	12738	[13623, 13624]
2326	[4191, 4192]	5797	[8200, 8436]	9268	[12017, 12018]	12739	[9474, 13625]
2327	[4193, 4194]	5798	[7936, 7640]	9269	[6106, 7827]	12740	[13499, 4087]
2328	[4195, 4196]	5799	[8437, 6915]	9270	[2904, 7909]	12741	[9462, 13244]
2329	[4197, 4198]	5800	[8438, 8439]	9271	[12019, 2141]	12742	[13626, 13198]
2330	[4199, 4200]	5801	[8351, 8440]	9272	[7676, 8110]	12743	[5168, 87]
2331	[4201, 4202]	5802	[7431, 8062]	9273	[942, 11670]	12744	[13083, 13627]
2332	[4203, 4204]	5803	[7248, 2885]	9274	[7934, 7177]	12745	[5197, 13274]
2333	[4205, 4206]	5804	[8441, 8442]	9275	[6364, 11987]	12746	[9289, 13628]
2334	[3768, 4207]	5805	[2261, 7960]	9276	[12020, 6970]	12747	[13629, 9921]
2335	[4208, 4209]	5806	[8331, 737]	9277	[3196, 12021]	12748	[9460, 1218]
2336	[3575, 4210]	5807	[7825, 7891]	9278	[8413, 2054]	12749	[13132, 13630]
2337	[4211, 4212]	5808	[8443, 8444]	9279	[11609, 182]	12750	[4472, 9543]
2338	[4213, 4214]	5809	[8445, 7699]	9280	[11615, 6697]	12751	[3544, 13631]
2339	[4215, 4216]	5810	[3025, 8446]	9281	[12022, 6793]	12752	[13632, 1777]
2340	[4217, 4218]	5811	[8447, 6741]	9282	[11657, 6971]	12753	[9458, 10565]
2341	[4219, 4220]	5812	[8448, 8449]	9283	[7127, 12023]	12754	[13633, 5811]
2342	[4221, 4222]	5813	[8450, 6398]	9284	[3063, 848]	12755	[66, 13634]
2343	[4223, 4224]	5814	[8383, 7539]	9285	[2565, 3210]	12756	[13635, 8881]
2344	[4225, 4226]	5815	[8451, 8202]	9286	[2657, 7845]	12757	[1247, 5283]
2345	[4227, 4228]	5816	[8452, 8004]	9287	[898, 7833]	12758	[13010, 11503]
2346	[4229, 4230]	5817	[8453, 2448]	9288	[12024, 7535]	12759	[10076, 1165]
2347	[4231, 4232]	5818	[2146, 8454]	9289	[3295, 6235]	12760	[13636, 9663]
2348	[4233, 4234]	5819	[6850, 245]	9290	[2673, 2506]	12761	[8506, 1400]
2349	[4235, 4236]	5820	[719, 7832]	9291	[3121, 2463]	12762	[4198, 13149]
2350	[4237, 4118]	5821	[6017, 8455]	9292	[12025, 7602]	12763	[13637, 9163]
2351	[4238, 3889]	5822	[8456, 1025]	9293	[6108, 7673]	12764	[13638, 13639]
2352	[114, 4239]	5823	[8457, 8458]	9294	[6926, 12026]	12765	[10580, 4255]
2353	[3490, 4240]	5824	[8459, 5700]	9295	[7587, 7004]	12766	[5727, 13640]
2354	[1092, 4241]	5825	[8460, 8461]	9296	[5965, 12027]	12767	[13641, 13642]
2355	[4242, 4243]	5826	[8462, 8463]	9297	[8181, 6237]	12768	[1131, 9198]
2356	[4244, 4245]	5827	[8464, 8465]	9298	[2762, 2195]	12769	[5759, 5608]
2357	[4246, 4247]	5828	[3713, 8466]	9299	[11709, 12028]	12770	[13406, 13643]
2358	[1237, 4248]	5829	[5522, 8467]	9300	[12029, 12030]	12771	[5527, 13107]
2359	[4249, 4250]	5830	[8468, 4599]	9301	[12031, 12032]	12772	[13644, 8846]
2360	[4251, 4252]	5831	[8469, 8470]	9302	[7005, 5841]	12773	[8909, 10536]
2361	[4253, 4254]	5832	[8471, 8472]	9303	[840, 7988]	12774	[9081, 13388]
2362	[4255, 4256]	5833	[3704, 4861]	9304	[2560, 12033]	12775	[13645, 3671]
2363	[4257, 4258]	5834	[8473, 4619]	9305	[12034, 11679]	12776	[10666, 13372]
2364	[4259, 4260]	5835	[8474, 8475]	9306	[12035, 7620]	12777	[13646, 8483]
2365	[4261, 4262]	5836	[8476, 8477]	9307	[2885, 12036]	12778	[13350, 13647]

2366	[4263, 4264]	5837	[8478, 8479]	9308	[6610, 11630]	12779	[5620, 3495]
2367	[4265, 4266]	5838	[8480, 8481]	9309	[12037, 6094]	12780	[13648, 10221]
2368	[4267, 4268]	5839	[8482, 1246]	9310	[2185, 7721]	12781	[10963, 13649]
2369	[338, 3778]	5840	[5100, 384]	9311	[6509, 12038]	12782	[13650, 13651]
2370	[4269, 4270]	5841	[8483, 5248]	9312	[7974, 2592]	12783	[10965, 12942]
2371	[4271, 1517]	5842	[8484, 8485]	9313	[11883, 12039]	12784	[10508, 419]
2372	[4272, 4273]	5843	[8486, 8487]	9314	[6130, 6219]	12785	[1725, 13652]
2373	[4274, 4275]	5844	[8488, 8489]	9315	[7915, 11894]	12786	[13653, 1681]
2374	[4276, 4277]	5845	[8490, 325]	9316	[7467, 12040]	12787	[8983, 13654]
2375	[4278, 4279]	5846	[8491, 4399]	9317	[2605, 7668]	12788	[11510, 13163]
2376	[4280, 4281]	5847	[8492, 4098]	9318	[5882, 2381]	12789	[8792, 13278]
2377	[4282, 1532]	5848	[8493, 8494]	9319	[8393, 12041]	12790	[13655, 3651]
2378	[4283, 4284]	5849	[5588, 5672]	9320	[5954, 6667]	12791	[13125, 8866]
2379	[4285, 4286]	5850	[8495, 8496]	9321	[2866, 2852]	12792	[13656, 1467]
2380	[4287, 1797]	5851	[8497, 8498]	9322	[7199, 11783]	12793	[13233, 13657]
2381	[4288, 4289]	5852	[1479, 8499]	9323	[12042, 5941]	12794	[9788, 10705]
2382	[4290, 4291]	5853	[8500, 8501]	9324	[12043, 764]	12795	[4675, 8883]
2383	[4292, 4293]	5854	[8502, 8503]	9325	[7303, 12044]	12796	[13658, 93]
2384	[4294, 4295]	5855	[4489, 4372]	9326	[7659, 12045]	12797	[13659, 4570]
2385	[4296, 4297]	5856	[8504, 5787]	9327	[2131, 11745]	12798	[10570, 11288]
2386	[4298, 1278]	5857	[8505, 8506]	9328	[2678, 613]	12799	[11450, 1835]
2387	[4299, 4300]	5858	[8507, 8508]	9329	[2566, 7115]	12800	[11217, 11197]
2388	[4301, 4302]	5859	[3977, 8509]	9330	[6636, 3013]	12801	[13253, 9256]
2389	[286, 4303]	5860	[8510, 8511]	9331	[12046, 3014]	12802	[10926, 13660]
2390	[4304, 4305]	5861	[8512, 1363]	9332	[11621, 6340]	12803	[3372, 4024]
2391	[4306, 4307]	5862	[8513, 8514]	9333	[3018, 7985]	12804	[13661, 10858]
2392	[4308, 4309]	5863	[8515, 8516]	9334	[12047, 2895]	12805	[13662, 333]
2393	[4310, 4311]	5864	[8517, 8518]	9335	[12048, 7087]	12806	[10923, 13663]
2394	[4312, 4313]	5865	[8519, 8520]	9336	[6929, 7044]	12807	[1634, 13664]
2395	[4314, 4315]	5866	[8521, 5754]	9337	[2109, 12049]	12808	[4598, 13665]
2396	[4316, 4317]	5867	[1258, 1222]	9338	[12050, 7782]	12809	[13666, 3298]
2397	[4318, 4319]	5868	[4604, 1833]	9339	[7421, 6198]	12810	[2441, 5890]
2398	[4320, 4321]	5869	[8522, 8523]	9340	[6649, 12051]	12811	[13667, 12717]
2399	[4322, 3792]	5870	[8524, 5046]	9341	[2652, 5846]	12812	[2396, 12248]
2400	[4323, 4324]	5871	[8525, 8526]	9342	[6544, 5869]	12813	[166, 7981]
2401	[1616, 4325]	5872	[8527, 8528]	9343	[12052, 3134]	12814	[11560, 12476]
2402	[1618, 4326]	5873	[8529, 8530]	9344	[751, 3057]	12815	[1873, 13668]
2403	[4327, 4328]	5874	[4507, 8531]	9345	[11870, 189]	12816	[7821, 12754]
2404	[4329, 4330]	5875	[8532, 8533]	9346	[6282, 8028]	12817	[11820, 13669]
2405	[3674, 4331]	5876	[3761, 8534]	9347	[2792, 11]	12818	[7578, 8347]
2406	[4332, 1062]	5877	[8535, 1456]	9348	[12053, 6145]	12819	[12744, 12525]
2407	[4333, 4334]	5878	[8536, 8537]	9349	[8091, 12054]	12820	[838, 6870]
2408	[4335, 4336]	5879	[8538, 5809]	9350	[12055, 2286]	12821	[12312, 7885]
2409	[4337, 4338]	5880	[8539, 8540]	9351	[7991, 11635]	12822	[12109, 12659]

2410	[4339, 4308]	5881	[4313, 5259]	9352	[7495, 8227]	12823	[8443, 785]
2411	[4340, 4341]	5882	[3786, 8541]	9353	[2849, 6426]	12824	[12551, 7445]
2412	[4342, 4343]	5883	[5077, 8542]	9354	[11569, 12056]	12825	[11900, 523]
2413	[4344, 4345]	5884	[8543, 8544]	9355	[12057, 12058]	12826	[7040, 894]
2414	[4346, 4347]	5885	[8545, 3726]	9356	[12059, 12060]	12827	[725, 11613]
2415	[4348, 4349]	5886	[8546, 8547]	9357	[6567, 12061]	12828	[12183, 7749]
2416	[4350, 4351]	5887	[4156, 8548]	9358	[8071, 2974]	12829	[12326, 12230]
2417	[3948, 4352]	5888	[8549, 8550]	9359	[12062, 6172]	12830	[908, 13670]
2418	[4353, 4354]	5889	[8551, 8552]	9360	[7074, 7743]	12831	[6920, 7437]
2419	[4326, 4355]	5890	[8553, 8554]	9361	[7590, 6969]	12832	[7093, 12211]
2420	[1832, 4356]	5891	[8555, 8556]	9362	[7290, 6795]	12833	[6332, 944]
2421	[4357, 4358]	5892	[8557, 8558]	9363	[2117, 6965]	12834	[162, 5866]
2422	[4359, 1344]	5893	[5524, 8559]	9364	[12063, 12060]	12835	[2343, 12147]
2423	[4360, 4361]	5894	[8560, 4638]	9365	[12059, 2139]	12836	[6833, 1881]
2424	[3573, 4362]	5895	[8561, 8562]	9366	[6971, 6968]	12837	[7993, 7245]
2425	[4363, 4364]	5896	[8563, 8564]	9367	[7289, 6794]	12838	[12804, 12260]
2426	[4365, 4366]	5897	[8565, 8566]	9368	[6532, 7266]	12839	[12688, 2469]
2427	[1279, 3616]	5898	[4700, 8567]	9369	[2140, 12064]	12840	[6237, 12436]
2428	[4367, 1497]	5899	[8568, 8569]	9370	[6794, 12065]	12841	[12214, 2138]
2429	[4368, 1499]	5900	[8570, 1004]	9371	[6964, 2118]	12842	[2249, 12080]
2430	[4369, 4370]	5901	[8571, 1548]	9372	[12066, 12067]	12843	[6537, 11783]
2431	[4236, 4371]	5902	[8572, 1296]	9373	[6795, 12059]	12844	[12232, 2571]
2432	[4372, 4373]	5903	[3617, 462]	9374	[8307, 12023]	12845	[2147, 6414]
2433	[4374, 4375]	5904	[8573, 8574]	9375	[12068, 12069]	12846	[8257, 13671]
2434	[4376, 492]	5905	[8575, 8576]	9376	[6399, 8154]	12847	[7654, 12556]
2435	[4377, 4378]	5906	[8577, 8578]	9377	[2186, 12070]	12848	[6306, 7276]
2436	[4379, 4380]	5907	[8579, 8580]	9378	[12071, 8407]	12849	[12220, 7209]
2437	[4381, 4382]	5908	[8581, 8582]	9379	[12072, 11582]	12850	[7775, 7249]
2438	[4383, 4384]	5909	[1164, 3753]	9380	[7868, 12029]	12851	[2224, 6078]
2439	[4385, 4386]	5910	[8583, 8584]	9381	[7098, 1856]	12852	[6989, 8265]
2440	[3917, 4387]	5911	[8585, 8586]	9382	[12073, 3335]	12853	[12316, 664]
2441	[4388, 4389]	5912	[5174, 8587]	9383	[13, 12074]	12854	[7135, 6455]
2442	[4390, 4391]	5913	[8588, 8589]	9384	[11951, 2556]	12855	[13672, 7566]
2443	[4392, 4393]	5914	[8590, 8591]	9385	[7357, 12075]	12856	[6480, 12153]
2444	[4394, 4395]	5915	[4774, 8592]	9386	[12076, 498]	12857	[2765, 12793]
2445	[4396, 323]	5916	[8593, 8594]	9387	[12077, 2942]	12858	[13673, 6008]
2446	[4397, 4398]	5917	[8595, 8596]	9388	[12078, 6821]	12859	[11639, 5889]
2447	[4399, 4400]	5918	[1295, 8597]	9389	[6330, 11707]	12860	[6840, 12255]
2448	[4401, 4402]	5919	[8598, 4233]	9390	[8297, 7270]	12861	[223, 13674]
2449	[4403, 4404]	5920	[8599, 1216]	9391	[12079, 8308]	12862	[12720, 2614]
2450	[4405, 4406]	5921	[4123, 8600]	9392	[8015, 6929]	12863	[12674, 11867]
2451	[4407, 4408]	5922	[5024, 8601]	9393	[12000, 12080]	12864	[6497, 5916]
2452	[3957, 4409]	5923	[8602, 5083]	9394	[12081, 2187]	12865	[11982, 13675]
2453	[4410, 3612]	5924	[8603, 1657]	9395	[8041, 12082]	12866	[7009, 3035]

2454	[4411, 275]	5925	[4948, 8604]	9396	[12083, 6501]	12867	[169, 13676]
2455	[4412, 4124]	5926	[8605, 8606]	9397	[7935, 2572]	12868	[3257, 11808]
2456	[4413, 4414]	5927	[8607, 8608]	9398	[7350, 12084]	12869	[12766, 3323]
2457	[4415, 4416]	5928	[8609, 8610]	9399	[796, 12085]	12870	[12047, 8144]
2458	[4417, 4418]	5929	[8611, 3998]	9400	[861, 3255]	12871	[6845, 12335]
2459	[4419, 4030]	5930	[8612, 8613]	9401	[11661, 7921]	12872	[2650, 7561]
2460	[4420, 1018]	5931	[1828, 8614]	9402	[12086, 12087]	12873	[6342, 12040]
2461	[4421, 4422]	5932	[4080, 5778]	9403	[11558, 3189]	12874	[6133, 11585]
2462	[4423, 1655]	5933	[1243, 1128]	9404	[8216, 7696]	12875	[3302, 11941]
2463	[4064, 4424]	5934	[8615, 8616]	9405	[6814, 11607]	12876	[7749, 6038]
2464	[4425, 4426]	5935	[8617, 8618]	9406	[11690, 8382]	12877	[11571, 8351]
2465	[4427, 4428]	5936	[8619, 8620]	9407	[1867, 7980]	12878	[7041, 7091]
2466	[4429, 4430]	5937	[8621, 1050]	9408	[6582, 6887]	12879	[12442, 2920]
2467	[4431, 4432]	5938	[4590, 8622]	9409	[7751, 6806]	12880	[199, 2315]
2468	[4433, 4434]	5939	[8623, 8624]	9410	[12088, 12089]	12881	[235, 13677]
2469	[4435, 4436]	5940	[8625, 8626]	9411	[8052, 12090]	12882	[11672, 13678]
2470	[4437, 4438]	5941	[8627, 8628]	9412	[7446, 6592]	12883	[5967, 7030]
2471	[4439, 4440]	5942	[8629, 8630]	9413	[12091, 3322]	12884	[7714, 2781]
2472	[4441, 1653]	5943	[267, 8631]	9414	[11582, 12092]	12885	[12787, 2594]
2473	[4442, 4443]	5944	[8632, 8633]	9415	[650, 5964]	12886	[2136, 8357]
2474	[4444, 4445]	5945	[4176, 8634]	9416	[5845, 6450]	12887	[3330, 7211]
2475	[354, 1586]	5946	[8635, 8636]	9417	[2816, 6093]	12888	[7008, 1959]
2476	[4179, 4446]	5947	[8637, 8638]	9418	[2041, 11973]	12889	[6583, 5976]
2477	[4447, 4448]	5948	[8639, 8640]	9419	[2594, 6654]	12890	[12368, 2513]
2478	[4449, 4450]	5949	[3466, 8641]	9420	[2294, 6454]	12891	[12505, 13679]
2479	[4451, 4452]	5950	[1197, 8642]	9421	[6873, 6823]	12892	[2220, 8137]
2480	[4453, 4454]	5951	[8643, 3423]	9422	[7277, 3119]	12893	[7598, 8194]
2481	[4455, 4456]	5952	[8644, 5539]	9423	[32, 6666]	12894	[139, 12122]
2482	[4457, 4458]	5953	[8645, 8646]	9424	[2988, 8203]	12895	[630, 13680]
2483	[4459, 4460]	5954	[8647, 1367]	9425	[11625, 7182]	12896	[11768, 606]
2484	[4461, 4462]	5955	[1468, 8648]	9426	[12093, 8215]	12897	[2047, 12559]
2485	[4463, 4464]	5956	[5085, 8649]	9427	[12094, 12095]	12898	[12216, 6436]
2486	[4465, 4466]	5957	[8650, 4953]	9428	[12096, 12097]	12899	[13681, 6393]
2487	[4467, 4468]	5958	[8651, 8652]	9429	[12098, 12064]	12900	[6568, 8204]
2488	[4469, 4470]	5959	[8653, 8654]	9430	[12099, 8153]	12901	[6623, 12806]
2489	[4471, 4472]	5960	[8655, 8656]	9431	[8437, 7214]	12902	[13682, 848]
2490	[4473, 4474]	5961	[8657, 8658]	9432	[2728, 8342]	12903	[11813, 12660]
2491	[4475, 4476]	5962	[8659, 8660]	9433	[2341, 12100]	12904	[13683, 13684]
2492	[3648, 4477]	5963	[8661, 8662]	9434	[12101, 6112]	12905	[12795, 656]
2493	[4478, 4479]	5964	[4400, 8663]	9435	[12102, 7884]	12906	[8373, 13685]
2494	[4480, 4481]	5965	[8664, 8665]	9436	[11922, 7755]	12907	[8054, 3263]
2495	[4482, 4483]	5966	[8666, 8667]	9437	[12103, 12104]	12908	[5855, 12111]
2496	[4484, 4485]	5967	[4141, 8668]	9438	[12064, 7870]	12909	[6675, 1968]
2497	[4486, 4487]	5968	[5354, 8669]	9439	[8185, 7266]	12910	[13686, 13687]

2498	[4488, 4489]	5969	[8670, 8671]	9440	[12105, 12106]	12911	[7792, 12762]
2499	[4490, 4491]	5970	[8672, 4312]	9441	[12107, 2117]	12912	[6176, 706]
2500	[4492, 4493]	5971	[5751, 5348]	9442	[7267, 6964]	12913	[8388, 12373]
2501	[4494, 4495]	5972	[8673, 8674]	9443	[11657, 12108]	12914	[12685, 6324]
2502	[4496, 4497]	5973	[8675, 8676]	9444	[2333, 6625]	12915	[908, 7233]
2503	[4498, 4499]	5974	[5093, 8677]	9445	[12109, 12110]	12916	[2123, 13688]
2504	[4500, 4501]	5975	[8678, 8679]	9446	[12104, 2332]	12917	[7831, 2476]
2505	[4502, 4503]	5976	[8680, 8681]	9447	[667, 2879]	12918	[12458, 7145]
2506	[4504, 4505]	5977	[8682, 8683]	9448	[11655, 2154]	12919	[12634, 12647]
2507	[4506, 4507]	5978	[8684, 8685]	9449	[11628, 12111]	12920	[6841, 6224]
2508	[1664, 4508]	5979	[8686, 8687]	9450	[6409, 3104]	12921	[6858, 12801]
2509	[4509, 4510]	5980	[8688, 8689]	9451	[2318, 12112]	12922	[13689, 648]
2510	[4511, 4512]	5981	[1470, 8690]	9452	[2295, 8336]	12923	[12262, 519]
2511	[4513, 4514]	5982	[3866, 8691]	9453	[5976, 12113]	12924	[3084, 6162]
2512	[4515, 4516]	5983	[8692, 8693]	9454	[137, 11543]	12925	[12402, 559]
2513	[4517, 4518]	5984	[8694, 8695]	9455	[544, 3246]	12926	[11938, 8096]
2514	[4519, 4520]	5985	[1209, 8696]	9456	[7512, 6697]	12927	[2402, 11823]
2515	[4521, 4522]	5986	[3803, 4151]	9457	[2433, 6288]	12928	[706, 859]
2516	[4523, 4524]	5987	[1405, 8697]	9458	[11927, 12114]	12929	[2429, 5990]
2517	[4525, 4526]	5988	[5550, 8698]	9459	[8114, 2318]	12930	[6355, 11689]
2518	[4527, 4528]	5989	[8699, 3885]	9460	[7942, 3241]	12931	[7844, 2658]
2519	[4529, 4530]	5990	[8608, 3353]	9461	[3075, 7415]	12932	[8325, 3183]
2520	[4531, 4532]	5991	[8700, 8701]	9462	[11758, 3332]	12933	[659, 8165]
2521	[4533, 4534]	5992	[8702, 8703]	9463	[7172, 1930]	12934	[2545, 13690]
2522	[4535, 1428]	5993	[8704, 8705]	9464	[6423, 12115]	12935	[11551, 12538]
2523	[4536, 4537]	5994	[4624, 5504]	9465	[607, 7599]	12936	[2619, 8024]
2524	[4538, 4539]	5995	[3420, 8706]	9466	[12116, 6980]	12937	[6439, 8045]
2525	[4540, 4541]	5996	[8707, 8708]	9467	[6525, 2799]	12938	[2103, 11548]
2526	[1152, 4542]	5997	[8709, 3986]	9468	[2679, 12117]	12939	[2493, 12131]
2527	[4543, 3988]	5998	[8710, 8711]	9469	[11853, 12118]	12940	[6153, 930]
2528	[4544, 4545]	5999	[8712, 8713]	9470	[11722, 6468]	12941	[11935, 11830]
2529	[4546, 4547]	6000	[4349, 8714]	9471	[8444, 786]	12942	[2442, 3293]
2530	[1589, 4548]	6001	[8715, 8716]	9472	[2921, 7529]	12943	[1893, 12512]
2531	[4549, 4550]	6002	[8552, 1026]	9473	[150, 2168]	12944	[6400, 12130]
2532	[1701, 4551]	6003	[1778, 8717]	9474	[153, 12119]	12945	[6944, 7847]
2533	[4552, 4553]	6004	[8718, 8719]	9475	[900, 6487]	12946	[12022, 11549]
2534	[1313, 4554]	6005	[8720, 8721]	9476	[7427, 7495]	12947	[13691, 12680]
2535	[4555, 4556]	6006	[8722, 8723]	9477	[12120, 12121]	12948	[7991, 12611]
2536	[4557, 4558]	6007	[5593, 8724]	9478	[2910, 729]	12949	[7392, 7325]
2537	[1551, 4559]	6008	[8725, 8726]	9479	[1922, 7198]	12950	[1919, 12125]
2538	[300, 4560]	6009	[8727, 8728]	9480	[12122, 7930]	12951	[12086, 3030]
2539	[4561, 4562]	6010	[8729, 8730]	9481	[3051, 6798]	12952	[1868, 11825]
2540	[4563, 4564]	6011	[8731, 8732]	9482	[3261, 7942]	12953	[6372, 11841]
2541	[4135, 4565]	6012	[485, 8733]	9483	[11644, 12123]	12954	[12791, 7242]

2542	[4566, 4567]	6013	[8734, 8735]	9484	[12124, 12125]	12955	[7552, 12238]
2543	[4568, 4569]	6014	[8736, 8737]	9485	[12126, 8404]	12956	[12299, 3133]
2544	[4570, 4571]	6015	[8738, 1603]	9486	[6037, 12127]	12957	[12790, 8134]
2545	[4572, 1404]	6016	[8739, 3690]	9487	[12128, 8380]	12958	[12217, 13692]
2546	[4573, 4574]	6017	[8740, 8741]	9488	[8115, 7238]	12959	[2443, 7597]
2547	[4575, 4576]	6018	[1774, 1229]	9489	[6037, 2709]	12960	[550, 6662]
2548	[4577, 4578]	6019	[8742, 8743]	9490	[7485, 12129]	12961	[11649, 2344]
2549	[4579, 4580]	6020	[8638, 8744]	9491	[8162, 7793]	12962	[2898, 12715]
2550	[4581, 4582]	6021	[8745, 8746]	9492	[2287, 8339]	12963	[2540, 7442]
2551	[4583, 4584]	6022	[4315, 8747]	9493	[12093, 11723]	12964	[710, 12247]
2552	[4585, 4586]	6023	[8748, 4837]	9494	[8154, 12130]	12965	[11627, 5855]
2553	[4587, 4588]	6024	[8749, 8750]	9495	[649, 5963]	12966	[6125, 11698]
2554	[4589, 4590]	6025	[8751, 8752]	9496	[11682, 12131]	12967	[12202, 12271]
2555	[4591, 4592]	6026	[8753, 8754]	9497	[2534, 12132]	12968	[782, 12174]
2556	[4593, 3867]	6027	[8755, 4831]	9498	[5823, 6181]	12969	[1944, 11833]
2557	[4594, 4085]	6028	[3689, 8740]	9499	[7168, 6339]	12970	[12172, 7672]
2558	[4595, 4596]	6029	[8756, 8757]	9500	[2991, 507]	12971	[2665, 13693]
2559	[4597, 4598]	6030	[8758, 8759]	9501	[12133, 1933]	12972	[7419, 734]
2560	[4599, 3419]	6031	[8760, 8761]	9502	[2869, 7279]	12973	[13672, 12415]
2561	[4600, 4601]	6032	[8762, 8763]	9503	[12134, 11892]	12974	[7710, 13694]
2562	[1070, 4602]	6033	[8764, 8765]	9504	[8067, 6392]	12975	[11707, 12099]
2563	[4603, 4604]	6034	[8766, 3804]	9505	[12135, 2577]	12976	[6042, 13695]
2564	[4605, 4606]	6035	[8717, 8644]	9506	[12136, 11592]	12977	[891, 13696]
2565	[4607, 4608]	6036	[8767, 8768]	9507	[11774, 11983]	12978	[12627, 12015]
2566	[4609, 4610]	6037	[8769, 8770]	9508	[7460, 6273]	12979	[7174, 12651]
2567	[4434, 4611]	6038	[8771, 5452]	9509	[8057, 12137]	12980	[3168, 12236]
2568	[4612, 3697]	6039	[1808, 8772]	9510	[8349, 2094]	12981	[8429, 6738]
2569	[4613, 4614]	6040	[1744, 5383]	9511	[2508, 3070]	12982	[13697, 7657]
2570	[4615, 4616]	6041	[8773, 8774]	9512	[7798, 8146]	12983	[6644, 2926]
2571	[4617, 4618]	6042	[8775, 1458]	9513	[5849, 6405]	12984	[2016, 7779]
2572	[4619, 4620]	6043	[5766, 8776]	9514	[2383, 6074]	12985	[2576, 178]
2573	[4621, 4622]	6044	[8777, 8778]	9515	[11924, 7709]	12986	[6452, 2640]
2574	[4623, 4624]	6045	[8779, 8780]	9516	[12138, 3143]	12987	[2867, 12624]
2575	[4625, 4626]	6046	[5805, 8781]	9517	[8102, 12139]	12988	[3104, 13698]
2576	[4627, 4628]	6047	[8782, 8783]	9518	[8000, 8230]	12989	[2725, 6640]
2577	[4408, 4629]	6048	[5707, 8784]	9519	[7677, 8111]	12990	[2286, 7167]
2578	[4630, 4631]	6049	[8785, 8786]	9520	[6248, 2170]	12991	[7368, 7056]
2579	[4632, 4633]	6050	[8787, 8788]	9521	[12012, 7744]	12992	[924, 2834]
2580	[4634, 4635]	6051	[8789, 4936]	9522	[12140, 8197]	12993	[13699, 11876]
2581	[4636, 4637]	6052	[8790, 8791]	9523	[11873, 6973]	12994	[6603, 3058]
2582	[4638, 4639]	6053	[4935, 8792]	9524	[8332, 2015]	12995	[2023, 2136]
2583	[4640, 4641]	6054	[8793, 5243]	9525	[12141, 8317]	12996	[6584, 6593]
2584	[4642, 3339]	6055	[8794, 8795]	9526	[2153, 12142]	12997	[6924, 2465]
2585	[4643, 4644]	6056	[8796, 8797]	9527	[12143, 6608]	12998	[2347, 13674]

2586	[4645, 4646]	6057	[8798, 8799]	9528	[7262, 3060]	12999	[2586, 5970]
2587	[4647, 4648]	6058	[5479, 8800]	9529	[2287, 5828]	13000	[6380, 11644]
2588	[4649, 4650]	6059	[8801, 8802]	9530	[12144, 7256]	13001	[6538, 13700]
2589	[4651, 4652]	6060	[5718, 8803]	9531	[12145, 2884]	13002	[7946, 8113]
2590	[4653, 4654]	6061	[8804, 8805]	9532	[2543, 12146]	13003	[11679, 2820]
2591	[4655, 3816]	6062	[1221, 8806]	9533	[12147, 1971]	13004	[8069, 7571]
2592	[4656, 4657]	6063	[8807, 8808]	9534	[12148, 11912]	13005	[12419, 12714]
2593	[4658, 4659]	6064	[8809, 5722]	9535	[8311, 7872]	13006	[2242, 12632]
2594	[4660, 4661]	6065	[8810, 8811]	9536	[8075, 12035]	13007	[500, 13701]
2595	[4662, 4663]	6066	[8812, 8813]	9537	[8445, 8148]	13008	[7264, 7265]
2596	[4664, 4665]	6067	[8814, 4390]	9538	[12149, 2342]	13009	[2720, 6537]
2597	[4666, 1791]	6068	[463, 3706]	9539	[8381, 12150]	13010	[11574, 7802]
2598	[1324, 4667]	6069	[8815, 8816]	9540	[7847, 7180]	13011	[2736, 6977]
2599	[4668, 4669]	6070	[8817, 8818]	9541	[7583, 6974]	13012	[12009, 12220]
2600	[4670, 4671]	6071	[8819, 8820]	9542	[6984, 2500]	13013	[7102, 2085]
2601	[4672, 4673]	6072	[8821, 8822]	9543	[6636, 6425]	13014	[11643, 2520]
2602	[4674, 4675]	6073	[8823, 8824]	9544	[12151, 945]	13015	[2840, 6954]
2603	[4676, 4677]	6074	[8825, 5682]	9545	[7537, 12152]	13016	[3181, 12360]
2604	[4678, 4679]	6075	[8826, 8827]	9546	[2554, 12049]	13017	[6839, 1892]
2605	[4680, 4681]	6076	[8828, 8829]	9547	[7771, 7869]	13018	[12140, 5879]
2606	[4682, 4683]	6077	[8830, 8831]	9548	[12153, 8161]	13019	[738, 7986]
2607	[4684, 407]	6078	[8832, 8833]	9549	[6683, 2940]	13020	[5907, 13702]
2608	[3542, 4685]	6079	[4010, 8834]	9550	[12154, 581]	13021	[2028, 861]
2609	[4644, 4686]	6080	[4968, 8835]	9551	[7256, 3248]	13022	[6647, 8051]
2610	[4687, 4688]	6081	[8836, 8837]	9552	[12101, 7783]	13023	[7136, 13703]
2611	[4689, 4690]	6082	[8838, 8839]	9553	[2933, 11874]	13024	[6189, 11988]
2612	[4691, 4692]	6083	[5134, 4186]	9554	[737, 2015]	13025	[12416, 12415]
2613	[4693, 4694]	6084	[3807, 8840]	9555	[6350, 12155]	13026	[12574, 13704]
2614	[4695, 4696]	6085	[8841, 8842]	9556	[2970, 12156]	13027	[6581, 3019]
2615	[4697, 4698]	6086	[8843, 8710]	9557	[2861, 7549]	13028	[6612, 11976]
2616	[1844, 4699]	6087	[8844, 4839]	9558	[50, 12157]	13029	[12412, 13705]
2617	[4456, 4700]	6088	[4068, 8845]	9559	[12158, 12159]	13030	[827, 13706]
2618	[4701, 4702]	6089	[8846, 8847]	9560	[12160, 2165]	13031	[8047, 7982]
2619	[4703, 4704]	6090	[8848, 8849]	9561	[909, 12113]	13032	[11897, 12413]
2620	[4705, 4706]	6091	[8850, 8851]	9562	[8448, 6704]	13033	[11543, 12757]
2621	[4707, 4708]	6092	[8852, 8853]	9563	[12161, 7342]	13034	[11815, 8184]
2622	[4387, 1376]	6093	[8854, 8855]	9564	[11772, 6296]	13035	[12060, 12098]
2623	[3540, 1378]	6094	[8856, 1081]	9565	[12162, 6590]	13036	[7191, 11784]
2624	[4709, 4710]	6095	[8857, 8858]	9566	[12163, 771]	13037	[3007, 6702]
2625	[4711, 4712]	6096	[3925, 8859]	9567	[7889, 12164]	13038	[7909, 883]
2626	[4713, 4714]	6097	[3991, 8524]	9568	[2209, 12165]	13039	[2515, 7136]
2627	[4715, 4716]	6098	[8860, 8861]	9569	[2496, 8185]	13040	[6840, 1893]
2628	[4019, 4717]	6099	[8781, 8862]	9570	[8354, 7265]	13041	[13707, 7940]
2629	[4718, 4719]	6100	[8863, 8864]	9571	[6969, 12103]	13042	[759, 12701]

2630	[1527, 4720]	6101	[8865, 4668]	9572	[7619, 12166]	13043	[7162, 11836]
2631	[4721, 4722]	6102	[8820, 3400]	9573	[12167, 6596]	13044	[5905, 12200]
2632	[3944, 4723]	6103	[8866, 3541]	9574	[1955, 2945]	13045	[8355, 6060]
2633	[4724, 4725]	6104	[3725, 8867]	9575	[12168, 7910]	13046	[12008, 672]
2634	[4726, 1542]	6105	[8868, 8869]	9576	[7574, 12169]	13047	[12449, 13679]
2635	[1691, 4727]	6106	[4963, 8870]	9577	[12170, 11995]	13048	[2130, 7863]
2636	[4728, 4729]	6107	[5178, 8871]	9578	[12171, 939]	13049	[6576, 7147]
2637	[4730, 4731]	6108	[8872, 8873]	9579	[12172, 11924]	13050	[6419, 7607]
2638	[3405, 4732]	6109	[4311, 8874]	9580	[12173, 1945]	13051	[7678, 2966]
2639	[4733, 4734]	6110	[8875, 8876]	9581	[12174, 8013]	13052	[11901, 12164]
2640	[4735, 4736]	6111	[8877, 8490]	9582	[6527, 5929]	13053	[8416, 8085]
2641	[4737, 4280]	6112	[8878, 8879]	9583	[8090, 3199]	13054	[12430, 11677]
2642	[4738, 4739]	6113	[3720, 4828]	9584	[12175, 12027]	13055	[11783, 7192]
2643	[4740, 1619]	6114	[451, 8880]	9585	[3178, 11593]	13056	[3206, 54]
2644	[4741, 4742]	6115	[8881, 8882]	9586	[6129, 5996]	13057	[6219, 7886]
2645	[4743, 4744]	6116	[8883, 4903]	9587	[7857, 11609]	13058	[12719, 498]
2646	[4745, 4746]	6117	[8884, 1276]	9588	[6511, 6323]	13059	[5914, 186]
2647	[4747, 4748]	6118	[1090, 8885]	9589	[1864, 6659]	13060	[2759, 13708]
2648	[4749, 4750]	6119	[8886, 5613]	9590	[8187, 12176]	13061	[8390, 11593]
2649	[4751, 4752]	6120	[8887, 3560]	9591	[2487, 12177]	13062	[12770, 7512]
2650	[4753, 3873]	6121	[5695, 8888]	9592	[827, 7195]	13063	[7399, 950]
2651	[4754, 4755]	6122	[8889, 8890]	9593	[8163, 7818]	13064	[8370, 7831]
2652	[4756, 4757]	6123	[8891, 8892]	9594	[2113, 1881]	13065	[12575, 7734]
2653	[1746, 4758]	6124	[8893, 8894]	9595	[12178, 2420]	13066	[13709, 7322]
2654	[4759, 4760]	6125	[8618, 8895]	9596	[7304, 7207]	13067	[6745, 12739]
2655	[4761, 4762]	6126	[8896, 8897]	9597	[3301, 11940]	13068	[218, 1879]
2656	[4279, 4763]	6127	[8898, 8899]	9598	[6321, 12179]	13069	[12541, 8433]
2657	[4764, 1606]	6128	[8900, 8901]	9599	[2648, 7913]	13070	[2758, 2613]
2658	[4765, 4766]	6129	[8822, 8902]	9600	[6938, 12180]	13071	[664, 11893]
2659	[4767, 4768]	6130	[8903, 8904]	9601	[1911, 2764]	13072	[7149, 5997]
2660	[4769, 4770]	6131	[8905, 8906]	9602	[11950, 2098]	13073	[6442, 13710]
2661	[4771, 3942]	6132	[3836, 8907]	9603	[6860, 12181]	13074	[13711, 7216]
2662	[4356, 4772]	6133	[8908, 8459]	9604	[5992, 7916]	13075	[3293, 8414]
2663	[4773, 4774]	6134	[4352, 8909]	9605	[7428, 8335]	13076	[12199, 5906]
2664	[4775, 4776]	6135	[8910, 8911]	9606	[3161, 12182]	13077	[11975, 2607]
2665	[4777, 4778]	6136	[8912, 8913]	9607	[6798, 6028]	13078	[12460, 7279]
2666	[4779, 4780]	6137	[8914, 3701]	9608	[12183, 2188]	13079	[12796, 12352]
2667	[4781, 4782]	6138	[8915, 5335]	9609	[11989, 7734]	13080	[13709, 13712]
2668	[4783, 4784]	6139	[8916, 4643]	9610	[8410, 8451]	13081	[7708, 12626]
2669	[4785, 4786]	6140	[8917, 3578]	9611	[12184, 6588]	13082	[5867, 3054]
2670	[4787, 4788]	6141	[8918, 8919]	9612	[12185, 6729]	13083	[2591, 11834]
2671	[4789, 4790]	6142	[8920, 1410]	9613	[12186, 7327]	13084	[6354, 3129]
2672	[4791, 4504]	6143	[8921, 1730]	9614	[7476, 7020]	13085	[6805, 8015]
2673	[4792, 4664]	6144	[8922, 8923]	9615	[2737, 11694]	13086	[6789, 7424]

2674	[1444, 4793]	6145	[8924, 4572]	9616	[3114, 931]	13087	[13713, 12729]
2675	[4794, 4100]	6146	[8925, 8926]	9617	[643, 2244]	13088	[3168, 12302]
2676	[4795, 4796]	6147	[8927, 8928]	9618	[11858, 3217]	13089	[13681, 1954]
2677	[4797, 4798]	6148	[8929, 8930]	9619	[12154, 2481]	13090	[6034, 2111]
2678	[4799, 4149]	6149	[8931, 8932]	9620	[5843, 12156]	13091	[11712, 911]
2679	[4800, 4801]	6150	[1455, 8933]	9621	[7497, 8178]	13092	[6330, 8367]
2680	[4802, 4803]	6151	[8601, 8684]	9622	[798, 12187]	13093	[12578, 7469]
2681	[4804, 4805]	6152	[5038, 8934]	9623	[6053, 12188]	13094	[12220, 13714]
2682	[4806, 427]	6153	[8935, 8936]	9624	[128, 12189]	13095	[11633, 1901]
2683	[4807, 4808]	6154	[8937, 8938]	9625	[6313, 6998]	13096	[6179, 6810]
2684	[4809, 4810]	6155	[1291, 4172]	9626	[7413, 12190]	13097	[7456, 6836]
2685	[4811, 4812]	6156	[4801, 4318]	9627	[6653, 12191]	13098	[6108, 13715]
2686	[4813, 4814]	6157	[8939, 5469]	9628	[2982, 12192]	13099	[3203, 2952]
2687	[4815, 4377]	6158	[8940, 3398]	9629	[652, 1879]	13100	[12453, 1914]
2688	[4816, 1761]	6159	[8941, 8942]	9630	[12193, 12194]	13101	[6071, 12100]
2689	[4048, 3782]	6160	[8943, 8944]	9631	[2997, 12195]	13102	[13716, 13717]
2690	[4817, 4818]	6161	[8945, 8946]	9632	[2387, 661]	13103	[2789, 8355]
2691	[4819, 4765]	6162	[8947, 4862]	9633	[12196, 8140]	13104	[2499, 6985]
2692	[4820, 4821]	6163	[4962, 8948]	9634	[7408, 5944]	13105	[13718, 12727]
2693	[4822, 4823]	6164	[8949, 5441]	9635	[2522, 738]	13106	[573, 7945]
2694	[4824, 4825]	6165	[8950, 5482]	9636	[12197, 7151]	13107	[13719, 12516]
2695	[4826, 4827]	6166	[8951, 1422]	9637	[7365, 1918]	13108	[7265, 6477]
2696	[4828, 4829]	6167	[8952, 3675]	9638	[2102, 2896]	13109	[3270, 2335]
2697	[4426, 1827]	6168	[8953, 8954]	9639	[12198, 2107]	13110	[12242, 11771]
2698	[4013, 4830]	6169	[8955, 8956]	9640	[12162, 6785]	13111	[11876, 6440]
2699	[4831, 4832]	6170	[310, 8957]	9641	[12199, 12200]	13112	[12472, 7517]
2700	[4833, 4834]	6171	[8958, 8959]	9642	[2043, 708]	13113	[11732, 7903]
2701	[4835, 4836]	6172	[8960, 8961]	9643	[12201, 2883]	13114	[7875, 12150]
2702	[4837, 4838]	6173	[8962, 8963]	9644	[12202, 556]	13115	[12076, 3190]
2703	[4839, 4840]	6174	[5007, 8734]	9645	[2798, 6526]	13116	[12704, 7387]
2704	[3424, 4841]	6175	[8964, 4388]	9646	[2753, 704]	13117	[8399, 2611]
2705	[4842, 4843]	6176	[1639, 8965]	9647	[12203, 6643]	13118	[8028, 12499]
2706	[4844, 4845]	6177	[8966, 8967]	9648	[2905, 12204]	13119	[3158, 12718]
2707	[3393, 4846]	6178	[8968, 8969]	9649	[7307, 5932]	13120	[6492, 7230]
2708	[4847, 4848]	6179	[8970, 8971]	9650	[7287, 524]	13121	[12359, 2014]
2709	[3919, 3663]	6180	[8972, 8973]	9651	[12205, 12206]	13122	[181, 11610]
2710	[4849, 4850]	6181	[8974, 8975]	9652	[12207, 11949]	13123	[12610, 7810]
2711	[4851, 4852]	6182	[8976, 8977]	9653	[12208, 2568]	13124	[6485, 12723]
2712	[4853, 4854]	6183	[8978, 8979]	9654	[11801, 2049]	13125	[3145, 12191]
2713	[4855, 4856]	6184	[8980, 4891]	9655	[12209, 12210]	13126	[8083, 158]
2714	[4857, 4858]	6185	[8981, 1704]	9656	[12211, 6706]	13127	[7096, 7787]
2715	[4859, 4860]	6186	[8982, 8983]	9657	[12212, 3314]	13128	[7934, 12728]
2716	[4861, 3784]	6187	[8984, 5684]	9658	[583, 6361]	13129	[11881, 6193]
2717	[4862, 4340]	6188	[8985, 484]	9659	[48, 2250]	13130	[11564, 13720]

2718	[1241, 4863]	6189	[8986, 8987]	9660	[3043, 2160]	13131	[6199, 13715]
2719	[4864, 4865]	6190	[3513, 8988]	9661	[7373, 8431]	13132	[13682, 3064]
2720	[4866, 4867]	6191	[8806, 8989]	9662	[2241, 7464]	13133	[12780, 6628]
2721	[4868, 4833]	6192	[8990, 1651]	9663	[12213, 7944]	13134	[2546, 8397]
2722	[4869, 4870]	6193	[8991, 8992]	9664	[12214, 8224]	13135	[13721, 12006]
2723	[4871, 1174]	6194	[5068, 8993]	9665	[11915, 12215]	13136	[2647, 6993]
2724	[4872, 4873]	6195	[5266, 4924]	9666	[2550, 12216]	13137	[769, 2025]
2725	[4874, 4875]	6196	[8994, 8995]	9667	[2787, 11574]	13138	[7826, 7892]
2726	[4876, 4877]	6197	[8996, 8997]	9668	[6337, 8048]	13139	[7311, 6380]
2727	[4878, 486]	6198	[1788, 8998]	9669	[5941, 7316]	13140	[6885, 2617]
2728	[4879, 4880]	6199	[5580, 8513]	9670	[11827, 8250]	13141	[2812, 5975]
2729	[4881, 4882]	6200	[8999, 8955]	9671	[12217, 6114]	13142	[8138, 8318]
2730	[4883, 4884]	6201	[9000, 4519]	9672	[7366, 11684]	13143	[12410, 6468]
2731	[4885, 4886]	6202	[9001, 9002]	9673	[12218, 12067]	13144	[589, 2765]
2732	[4887, 4888]	6203	[9003, 9004]	9674	[12219, 1939]	13145	[2666, 3070]
2733	[4889, 4890]	6204	[4309, 9005]	9675	[7615, 12220]	13146	[12171, 13722]
2734	[4891, 4162]	6205	[9006, 9007]	9676	[6894, 3230]	13147	[11675, 212]
2735	[3668, 4892]	6206	[4366, 9008]	9677	[11707, 7105]	13148	[7893, 3282]
2736	[4893, 4894]	6207	[9009, 9010]	9678	[7238, 8322]	13149	[2877, 11716]
2737	[1121, 4895]	6208	[9011, 9012]	9679	[12221, 7801]	13150	[13723, 236]
2738	[4896, 3735]	6209	[5214, 9013]	9680	[7725, 2712]	13151	[2590, 11865]
2739	[4897, 3928]	6210	[5293, 9014]	9681	[3322, 12222]	13152	[7518, 11569]
2740	[4898, 4899]	6211	[8899, 9015]	9682	[6566, 2165]	13153	[2258, 6008]
2741	[3955, 3626]	6212	[9016, 5058]	9683	[2455, 7803]	13154	[6266, 752]
2742	[4628, 4900]	6213	[9017, 3769]	9684	[7443, 6032]	13155	[13719, 12767]
2743	[4901, 4902]	6214	[9018, 9019]	9685	[781, 8179]	13156	[12478, 2385]
2744	[4903, 4904]	6215	[9020, 9021]	9686	[6637, 7000]	13157	[12279, 832]
2745	[259, 4905]	6216	[9022, 8950]	9687	[12223, 497]	13158	[7463, 2141]
2746	[4906, 4907]	6217	[4768, 9023]	9688	[12224, 7538]	13159	[1935, 2323]
2747	[3830, 4908]	6218	[9024, 9025]	9689	[2843, 8124]	13160	[7708, 13724]
2748	[4909, 4910]	6219	[9026, 3618]	9690	[7151, 5888]	13161	[6205, 7758]
2749	[4911, 4912]	6220	[9027, 9028]	9691	[7651, 5900]	13162	[6745, 12456]
2750	[4913, 4914]	6221	[5272, 8707]	9692	[12223, 12225]	13163	[6825, 8126]
2751	[4915, 4916]	6222	[1766, 8635]	9693	[7138, 6049]	13164	[703, 7888]
2752	[4917, 3375]	6223	[9029, 3871]	9694	[12226, 3192]	13165	[2092, 12675]
2753	[4918, 4919]	6224	[9030, 9031]	9695	[12227, 7775]	13166	[6501, 782]
2754	[4920, 4921]	6225	[3981, 9032]	9696	[12228, 6897]	13167	[2332, 6475]
2755	[4922, 4923]	6226	[9033, 9034]	9697	[7980, 2551]	13168	[7774, 12112]
2756	[4924, 4925]	6227	[9035, 8925]	9698	[7379, 12229]	13169	[7929, 13725]
2757	[1636, 4926]	6228	[9036, 9037]	9699	[6226, 12176]	13170	[7368, 6535]
2758	[4927, 4928]	6229	[9038, 4855]	9700	[6597, 2917]	13171	[6267, 7718]
2759	[4929, 4227]	6230	[9039, 4205]	9701	[12230, 6928]	13172	[6049, 678]
2760	[4930, 4931]	6231	[4548, 4028]	9702	[6638, 12231]	13173	[6701, 2072]
2761	[4932, 4933]	6232	[9040, 9041]	9703	[848, 7786]	13174	[6520, 6841]

2762	[4934, 4935]	6233	[9042, 9043]	9704	[12232, 6291]	13175	[6220, 6073]
2763	[4936, 4937]	6234	[4054, 9044]	9705	[650, 6674]	13176	[11857, 6571]
2764	[3637, 4938]	6235	[9045, 9046]	9706	[12233, 8428]	13177	[12112, 13726]
2765	[4732, 4939]	6236	[1203, 9047]	9707	[11730, 11643]	13178	[6131, 2007]
2766	[4940, 4941]	6237	[9048, 9049]	9708	[3221, 6927]	13179	[722, 8293]
2767	[4942, 4943]	6238	[9050, 9051]	9709	[638, 12170]	13180	[8355, 8077]
2768	[4944, 4223]	6239	[9052, 9053]	9710	[503, 7770]	13181	[2516, 13703]
2769	[4945, 4946]	6240	[9054, 9055]	9711	[6016, 12234]	13182	[8228, 13684]
2770	[4947, 4948]	6241	[9056, 5758]	9712	[6997, 6314]	13183	[2054, 13727]
2771	[4949, 4950]	6242	[9057, 9058]	9713	[11974, 803]	13184	[7674, 7625]
2772	[4951, 4952]	6243	[9059, 9060]	9714	[1884, 7616]	13185	[13707, 8356]
2773	[4953, 4954]	6244	[9061, 9062]	9715	[8034, 11832]	13186	[11700, 7039]
2774	[4955, 4956]	6245	[9063, 9064]	9716	[12235, 6270]	13187	[8382, 6138]
2775	[4957, 4958]	6246	[1181, 4106]	9717	[8026, 6379]	13188	[7069, 2727]
2776	[4959, 4960]	6247	[9065, 3910]	9718	[12135, 8157]	13189	[3101, 13728]
2777	[4961, 4962]	6248	[9066, 9067]	9719	[12081, 12183]	13190	[7633, 12387]
2778	[1409, 4963]	6249	[9068, 9069]	9720	[6368, 12236]	13191	[13721, 12267]
2779	[4964, 4965]	6250	[9070, 8990]	9721	[12237, 2161]	13192	[8161, 2496]
2780	[4966, 4967]	6251	[9071, 372]	9722	[8238, 12238]	13193	[6626, 6479]
2781	[1836, 4968]	6252	[9072, 1271]	9723	[2980, 11629]	13194	[12105, 6626]
2782	[4969, 4792]	6253	[4588, 9073]	9724	[12239, 8012]	13195	[6564, 11967]
2783	[4970, 4971]	6254	[5296, 9074]	9725	[3016, 6077]	13196	[6625, 12106]
2784	[4972, 4973]	6255	[9075, 9076]	9726	[12240, 520]	13197	[8152, 8152]
2785	[4974, 4975]	6256	[4646, 4314]	9727	[12241, 5956]	13198	[2333, 12105]
2786	[4976, 4977]	6257	[8977, 9077]	9728	[7024, 810]	13199	[2674, 7156]
2787	[4978, 4979]	6258	[9078, 9079]	9729	[12242, 12243]	13200	[13729, 12763]
2788	[4980, 4981]	6259	[9080, 9081]	9730	[12178, 12244]	13201	[12380, 3018]
2789	[4982, 4983]	6260	[9082, 9083]	9731	[608, 12245]	13202	[3269, 2363]
2790	[4984, 1742]	6261	[9084, 9085]	9732	[7834, 517]	13203	[12418, 7544]
2791	[4985, 4986]	6262	[9086, 9087]	9733	[2380, 5883]	13204	[6148, 12673]
2792	[4987, 4988]	6263	[4361, 8844]	9734	[6717, 7412]	13205	[7267, 2117]
2793	[4989, 4990]	6264	[9088, 9089]	9735	[1931, 12190]	13206	[6054, 3259]
2794	[4669, 4991]	6265	[3397, 3798]	9736	[12246, 6126]	13207	[11746, 7502]
2795	[4992, 4993]	6266	[9090, 5088]	9737	[195, 6442]	13208	[12712, 812]
2796	[4994, 3550]	6267	[9091, 9092]	9738	[12247, 2055]	13209	[7248, 7926]
2797	[4224, 4995]	6268	[112, 9093]	9739	[6693, 7484]	13210	[6158, 11715]
2798	[4996, 4997]	6269	[9094, 9095]	9740	[12037, 2534]	13211	[8219, 11937]
2799	[4998, 4999]	6270	[9096, 9097]	9741	[597, 12248]	13212	[3324, 8382]
2800	[5000, 3367]	6271	[4058, 3426]	9742	[12249, 7411]	13213	[2653, 6086]
2801	[5001, 5002]	6272	[9098, 9099]	9743	[12250, 6647]	13214	[6546, 8272]
2802	[4200, 3348]	6273	[9100, 9101]	9744	[12251, 2369]	13215	[12282, 7261]
2803	[5003, 3447]	6274	[4995, 9102]	9745	[6047, 11720]	13216	[2251, 13730]
2804	[5004, 4369]	6275	[9103, 9104]	9746	[2130, 8013]	13217	[7688, 2256]
2805	[5005, 5006]	6276	[9105, 9106]	9747	[6504, 6336]	13218	[11678, 2147]

2806	[4571, 5007]	6277	[5501, 8488]	9748	[7756, 6504]	13219	[7029, 2556]
2807	[5008, 5009]	6278	[9107, 9108]	9749	[12252, 3214]	13220	[6183, 8116]
2808	[4905, 4940]	6279	[9109, 8843]	9750	[8404, 7524]	13221	[11744, 7289]
2809	[5010, 1785]	6280	[4565, 9110]	9751	[12253, 7510]	13222	[6965, 12020]
2810	[5011, 5012]	6281	[9111, 8585]	9752	[12254, 11679]	13223	[13718, 6868]
2811	[5013, 5014]	6282	[3454, 9112]	9753	[12255, 6297]	13224	[2844, 2426]
2812	[5015, 5016]	6283	[9113, 1089]	9754	[12256, 11598]	13225	[6845, 13731]
2813	[5017, 5018]	6284	[4780, 5463]	9755	[7441, 12257]	13226	[2973, 6254]
2814	[5019, 5020]	6285	[9114, 9115]	9756	[2011, 11908]	13227	[12094, 11556]
2815	[5021, 5022]	6286	[9116, 4081]	9757	[8373, 7477]	13228	[8104, 8361]
2816	[5023, 5024]	6287	[9117, 9118]	9758	[6772, 5837]	13229	[8158, 12676]
2817	[5025, 5026]	6288	[4373, 9119]	9759	[12048, 915]	13230	[11734, 185]
2818	[5027, 5028]	6289	[9051, 9120]	9760	[2334, 12258]	13231	[2701, 12784]
2819	[5029, 995]	6290	[9121, 9122]	9761	[7693, 7997]	13232	[6862, 7023]
2820	[4554, 5030]	6291	[8989, 8893]	9762	[11892, 665]	13233	[8146, 2693]
2821	[5031, 452]	6292	[9123, 9124]	9763	[8334, 11612]	13234	[7324, 5920]
2822	[5032, 5033]	6293	[5683, 9125]	9764	[12259, 12260]	13235	[12213, 8160]
2823	[5034, 5035]	6294	[9126, 5748]	9765	[3195, 7680]	13236	[8354, 6476]
2824	[5036, 5037]	6295	[9127, 9128]	9766	[11829, 11936]	13237	[811, 12713]
2825	[4999, 5038]	6296	[9129, 9130]	9767	[12261, 6819]	13238	[2613, 13708]
2826	[5039, 5040]	6297	[3407, 8715]	9768	[12262, 12240]	13239	[3143, 3229]
2827	[5041, 5042]	6298	[124, 9131]	9769	[6044, 12263]	13240	[5912, 6150]
2828	[5043, 1030]	6299	[5035, 985]	9770	[6619, 12264]	13241	[6407, 243]
2829	[5044, 5045]	6300	[9132, 9133]	9771	[7491, 2127]	13242	[2381, 2773]
2830	[5046, 5047]	6301	[5510, 9134]	9772	[12265, 7687]	13243	[6389, 7450]
2831	[5048, 1182]	6302	[9135, 9136]	9773	[6182, 7606]	13244	[6393, 8359]
2832	[5049, 4779]	6303	[9137, 9138]	9774	[12017, 6554]	13245	[11972, 841]
2833	[5050, 5051]	6304	[9139, 4705]	9775	[6780, 12266]	13246	[2964, 12417]
2834	[5052, 5053]	6305	[9140, 380]	9776	[3107, 2956]	13247	[47, 7297]
2835	[5054, 5055]	6306	[4852, 9141]	9777	[12005, 12267]	13248	[13686, 7618]
2836	[5056, 5057]	6307	[4620, 9142]	9778	[8396, 2023]	13249	[176, 6063]
2837	[5058, 5059]	6308	[9143, 9144]	9779	[12103, 7564]	13250	[12062, 12327]
2838	[5060, 494]	6309	[1387, 5640]	9780	[6795, 12063]	13251	[12060, 2140]
2839	[5061, 5062]	6310	[5541, 8832]	9781	[12065, 12059]	13252	[11851, 12446]
2840	[5063, 5064]	6311	[9145, 9146]	9782	[8033, 3130]	13253	[1960, 11659]
2841	[5065, 5066]	6312	[8737, 5221]	9783	[12268, 11853]	13254	[6198, 6108]
2842	[5067, 5068]	6313	[9147, 9148]	9784	[6513, 12135]	13255	[2734, 8314]
2843	[5069, 1188]	6314	[9149, 3757]	9785	[12269, 2404]	13256	[3316, 800]
2844	[5070, 5071]	6315	[3931, 9150]	9786	[6790, 12270]	13257	[7036, 842]
2845	[5072, 5073]	6316	[9151, 9152]	9787	[12136, 8125]	13258	[12466, 13732]
2846	[5074, 5075]	6317	[4001, 9153]	9788	[12271, 12272]	13259	[11637, 8345]
2847	[5076, 4287]	6318	[9154, 4036]	9789	[8056, 12273]	13260	[2469, 2567]
2848	[3652, 5077]	6319	[9155, 5425]	9790	[2782, 2672]	13261	[7617, 13687]
2849	[5078, 5079]	6320	[9156, 9157]	9791	[12274, 3325]	13262	[6700, 8171]

2850	[5080, 5081]	6321	[5507, 1242]	9792	[6126, 11699]	13263	[12709, 12520]
2851	[5082, 3926]	6322	[9158, 1683]	9793	[6336, 12054]	13264	[13711, 6452]
2852	[5083, 5084]	6323	[4468, 9159]	9794	[2160, 6776]	13265	[8167, 1980]
2853	[1039, 5085]	6324	[5496, 9160]	9795	[2694, 12275]	13266	[3251, 861]
2854	[5086, 5087]	6325	[9161, 1351]	9796	[652, 11540]	13267	[5924, 3251]
2855	[5088, 5089]	6326	[9162, 1380]	9797	[801, 6760]	13268	[2848, 2380]
2856	[5090, 5091]	6327	[9163, 8814]	9798	[7015, 6892]	13269	[2937, 6929]
2857	[5092, 5093]	6328	[9164, 9165]	9799	[12276, 12277]	13270	[2562, 2109]
2858	[5094, 3796]	6329	[5540, 9166]	9800	[2806, 3247]	13271	[497, 3002]
2859	[5095, 5096]	6330	[9167, 9168]	9801	[6128, 12278]	13272	[2789, 13733]
2860	[5097, 5098]	6331	[9169, 1817]	9802	[12279, 3308]	13273	[1983, 1895]
2861	[5099, 5100]	6332	[9170, 9171]	9803	[7793, 6817]	13274	[7947, 2991]
2862	[4541, 5101]	6333	[9172, 8857]	9804	[8356, 12280]	13275	[8, 11866]
2863	[5102, 5103]	6334	[9173, 5607]	9805	[1854, 12281]	13276	[246, 904]
2864	[5104, 5105]	6335	[9174, 9175]	9806	[736, 8332]	13277	[3062, 12306]
2865	[5106, 5107]	6336	[4954, 9176]	9807	[703, 6609]	13278	[6521, 6105]
2866	[4347, 5108]	6337	[5438, 3403]	9808	[2044, 5968]	13279	[7662, 12035]
2867	[5109, 5110]	6338	[9177, 5167]	9809	[12282, 12283]	13280	[13733, 8077]
2868	[1826, 4332]	6339	[9178, 4451]	9810	[11656, 205]	13281	[6371, 3235]
2869	[5111, 5112]	6340	[4446, 8702]	9811	[1882, 11618]	13282	[12633, 7940]
2870	[5113, 5114]	6341	[4448, 9179]	9812	[12284, 6798]	13283	[6326, 12782]
2871	[5115, 5116]	6342	[322, 9180]	9813	[3041, 7273]	13284	[2872, 12745]
2872	[4384, 5117]	6343	[9181, 9182]	9814	[11880, 908]	13285	[7440, 2147]
2873	[5118, 5119]	6344	[9183, 9184]	9815	[5923, 2866]	13286	[6411, 6082]
2874	[5120, 5121]	6345	[9185, 8491]	9816	[12285, 7372]	13287	[611, 12738]
2875	[5122, 5123]	6346	[9186, 4535]	9817	[6768, 12286]	13288	[8146, 6830]
2876	[5124, 5125]	6347	[5443, 9187]	9818	[12287, 689]	13289	[2407, 12192]
2877	[5126, 5127]	6348	[9188, 9189]	9819	[7901, 8257]	13290	[7925, 2885]
2878	[5128, 5129]	6349	[1023, 9190]	9820	[12072, 11674]	13291	[12533, 13734]
2879	[1289, 5130]	6350	[9191, 71]	9821	[160, 7378]	13292	[6019, 3069]
2880	[5131, 5132]	6351	[9192, 3435]	9822	[7371, 12288]	13293	[7467, 12679]
2881	[5133, 5134]	6352	[9193, 4985]	9823	[6527, 2785]	13294	[11651, 12011]
2882	[3555, 5135]	6353	[9194, 9195]	9824	[5843, 7958]	13295	[12425, 2943]
2883	[5136, 5137]	6354	[9196, 5433]	9825	[7797, 8452]	13296	[13735, 12749]
2884	[5138, 3371]	6355	[3684, 9197]	9826	[11908, 12212]	13297	[2090, 6598]
2885	[274, 4718]	6356	[9198, 9199]	9827	[12289, 12290]	13298	[7097, 13736]
2886	[5139, 5140]	6357	[9200, 9201]	9828	[8375, 12291]	13299	[723, 6518]
2887	[5141, 5142]	6358	[9187, 9202]	9829	[7930, 2357]	13300	[174, 12019]
2888	[5143, 5144]	6359	[9203, 9204]	9830	[2230, 8035]	13301	[595, 13737]
2889	[5145, 5146]	6360	[9205, 9206]	9831	[12292, 6125]	13302	[7240, 12776]
2890	[5147, 5148]	6361	[1731, 3841]	9832	[2223, 7774]	13303	[12521, 2811]
2891	[5149, 5150]	6362	[9207, 9208]	9833	[12161, 7776]	13304	[7433, 11835]
2892	[5151, 5152]	6363	[1609, 9209]	9834	[11842, 7453]	13305	[7228, 6177]
2893	[5153, 5154]	6364	[302, 9210]	9835	[2046, 8220]	13306	[12697, 7596]

2894	[5155, 3657]	6365	[9211, 9212]	9836	[6698, 631]	13307	[5935, 6632]
2895	[5156, 5157]	6366	[4635, 3441]	9837	[6329, 8366]	13308	[11834, 2119]
2896	[5158, 5159]	6367	[4614, 9213]	9838	[7325, 7221]	13309	[12798, 6321]
2897	[5160, 3425]	6368	[9214, 9215]	9839	[12209, 12293]	13310	[6702, 2073]
2898	[5161, 5162]	6369	[3860, 9216]	9840	[3297, 660]	13311	[3272, 12653]
2899	[5163, 5164]	6370	[5471, 9217]	9841	[8280, 12294]	13312	[8328, 12592]
2900	[5165, 5166]	6371	[9218, 9219]	9842	[11841, 7225]	13313	[2336, 2153]
2901	[5167, 5168]	6372	[8584, 9220]	9843	[6162, 8046]	13314	[6892, 8145]
2902	[4890, 5169]	6373	[9221, 9222]	9844	[6153, 3114]	13315	[7396, 2230]
2903	[5170, 5171]	6374	[9223, 9224]	9845	[2866, 2697]	13316	[789, 6155]
2904	[5172, 5173]	6375	[9225, 9226]	9846	[6439, 7700]	13317	[11684, 13738]
2905	[70, 5174]	6376	[9227, 3891]	9847	[189, 712]	13318	[2738, 6701]
2906	[4167, 5175]	6377	[9228, 9229]	9848	[7568, 8221]	13319	[12377, 13739]
2907	[5176, 5177]	6378	[9230, 9231]	9849	[11650, 222]	13320	[8162, 6816]
2908	[483, 5178]	6379	[3615, 9232]	9850	[7220, 7326]	13321	[12537, 3030]
2909	[5179, 4153]	6380	[5366, 9233]	9851	[12295, 12296]	13322	[12019, 7318]
2910	[5180, 1163]	6381	[9234, 9059]	9852	[7057, 12297]	13323	[2850, 12379]
2911	[5181, 5182]	6382	[9235, 9236]	9853	[171, 7367]	13324	[13740, 7635]
2912	[5183, 3439]	6383	[9237, 9238]	9854	[7062, 5882]	13325	[182, 183]
2913	[5184, 5185]	6384	[8997, 9239]	9855	[554, 1951]	13326	[6065, 7415]
2914	[5186, 5187]	6385	[4185, 9240]	9856	[12298, 1940]	13327	[1943, 2231]
2915	[5188, 1464]	6386	[8776, 9241]	9857	[12299, 12300]	13328	[11954, 6218]
2916	[5189, 5190]	6387	[5427, 9242]	9858	[8100, 7407]	13329	[12572, 6743]
2917	[381, 4208]	6388	[1495, 5720]	9859	[8258, 12090]	13330	[610, 12612]
2918	[5191, 5192]	6389	[9243, 4922]	9860	[2118, 12020]	13331	[537, 13741]
2919	[5193, 5109]	6390	[478, 9244]	9861	[6060, 8078]	13332	[6999, 7336]
2920	[5194, 5195]	6391	[9245, 9246]	9862	[11542, 12301]	13333	[12579, 12533]
2921	[5196, 5197]	6392	[9247, 1775]	9863	[6368, 12302]	13334	[7468, 842]
2922	[4209, 5198]	6393	[9248, 5235]	9864	[11793, 12303]	13335	[6413, 6344]
2923	[5199, 1665]	6394	[5429, 8493]	9865	[817, 8337]	13336	[11786, 2722]
2924	[5200, 1611]	6395	[9249, 9250]	9866	[8171, 12304]	13337	[3222, 2583]
2925	[3402, 5201]	6396	[9251, 9252]	9867	[3132, 12300]	13338	[6170, 12271]
2926	[5202, 5203]	6397	[4245, 9253]	9868	[7762, 8303]	13339	[2834, 7917]
2927	[5204, 1294]	6398	[9254, 9255]	9869	[7266, 12107]	13340	[2262, 12708]
2928	[5205, 5206]	6399	[9256, 9257]	9870	[1979, 8168]	13341	[7194, 13706]
2929	[4840, 5207]	6400	[9258, 9259]	9871	[8264, 7787]	13342	[7649, 45]
2930	[457, 5208]	6401	[9260, 4878]	9872	[12013, 12305]	13343	[13691, 8435]
2931	[5209, 4071]	6402	[9261, 9262]	9873	[11849, 12026]	13344	[7582, 7857]
2932	[5210, 5211]	6403	[9263, 9264]	9874	[2863, 867]	13345	[2345, 11645]
2933	[5212, 5213]	6404	[9265, 9266]	9875	[2915, 3028]	13346	[6520, 5896]
2934	[3384, 5214]	6405	[1399, 9267]	9876	[8089, 6818]	13347	[11604, 2423]
2935	[5215, 5216]	6406	[9268, 9269]	9877	[2048, 250]	13348	[13689, 6594]
2936	[5217, 5218]	6407	[9025, 9270]	9878	[593, 8129]	13349	[605, 11769]
2937	[5219, 5220]	6408	[9271, 9272]	9879	[575, 12306]	13350	[12639, 13742]

2938	[5221, 5222]	6409	[8998, 9273]	9880	[2662, 2540]	13351	[13729, 8301]
2939	[5223, 5224]	6410	[5388, 9274]	9881	[12307, 2627]	13352	[5904, 867]
2940	[5225, 5226]	6411	[9275, 9276]	9882	[784, 12308]	13353	[5826, 13743]
2941	[5227, 5228]	6412	[9277, 4691]	9883	[12309, 5969]	13354	[12618, 7609]
2942	[5229, 5230]	6413	[978, 9278]	9884	[12310, 837]	13355	[5988, 13705]
2943	[5231, 5232]	6414	[9279, 5816]	9885	[12158, 8248]	13356	[2222, 8114]
2944	[5233, 5234]	6415	[1559, 9280]	9886	[11962, 8154]	13357	[2112, 12568]
2945	[5235, 5236]	6416	[9281, 9282]	9887	[1960, 12311]	13358	[13744, 13745]
2946	[5237, 5238]	6417	[9283, 9284]	9888	[1962, 8190]	13359	[7839, 8304]
2947	[5239, 5111]	6418	[8458, 9285]	9889	[12312, 12313]	13360	[2155, 13746]
2948	[5240, 5241]	6419	[9286, 9287]	9890	[12314, 3253]	13361	[2641, 2274]
2949	[1135, 5242]	6420	[9288, 9289]	9891	[11823, 8218]	13362	[6097, 13675]
2950	[5243, 5244]	6421	[9290, 9291]	9892	[5920, 12315]	13363	[6722, 12170]
2951	[5245, 5246]	6422	[9292, 9225]	9893	[12316, 11892]	13364	[7159, 2922]
2952	[393, 5247]	6423	[9293, 9286]	9894	[12317, 12318]	13365	[2684, 898]
2953	[5248, 5249]	6424	[9179, 9294]	9895	[2203, 2373]	13366	[13735, 12772]
2954	[5250, 5251]	6425	[9295, 4231]	9896	[7860, 6877]	13367	[12619, 1928]
2955	[5252, 5253]	6426	[9296, 9297]	9897	[6010, 11547]	13368	[2518, 714]
2956	[5254, 4513]	6427	[3339, 9298]	9898	[3214, 603]	13369	[6203, 3170]
2957	[5255, 5256]	6428	[3698, 9299]	9899	[12319, 625]	13370	[621, 6406]
2958	[5257, 5258]	6429	[9300, 8865]	9900	[12320, 7078]	13371	[12779, 11550]
2959	[5259, 4322]	6430	[9301, 1558]	9901	[6422, 2066]	13372	[2356, 5954]
2960	[5260, 1323]	6431	[9302, 5138]	9902	[6599, 2795]	13373	[2640, 2273]
2961	[5261, 5262]	6432	[9303, 9304]	9903	[7608, 12321]	13374	[2881, 12219]
2962	[5263, 5264]	6433	[8531, 9305]	9904	[7190, 12322]	13375	[701, 13747]
2963	[5265, 4822]	6434	[9306, 1515]	9905	[7070, 899]	13376	[8234, 12296]
2964	[4297, 5266]	6435	[8783, 9307]	9906	[12323, 12324]	13377	[12211, 13748]
2965	[5267, 5268]	6436	[9308, 9309]	9907	[12325, 7815]	13378	[6671, 6165]
2966	[5269, 5270]	6437	[9310, 9311]	9908	[6887, 12326]	13379	[12440, 12186]
2967	[5271, 5272]	6438	[9312, 9313]	9909	[12237, 553]	13380	[11787, 6437]
2968	[5273, 5274]	6439	[9314, 9315]	9910	[836, 12304]	13381	[12620, 626]
2969	[5275, 5276]	6440	[8662, 9316]	9911	[12327, 6173]	13382	[7019, 13749]
2970	[5277, 4583]	6441	[424, 9317]	9912	[2266, 12328]	13383	[7996, 6511]
2971	[5278, 5279]	6442	[4937, 9318]	9913	[8338, 6268]	13384	[7384, 2511]
2972	[5280, 376]	6443	[9319, 4949]	9914	[11753, 12329]	13385	[6574, 12398]
2973	[5281, 5282]	6444	[9320, 4741]	9915	[12073, 12330]	13386	[886, 11898]
2974	[5283, 1570]	6445	[9321, 9322]	9916	[11553, 8006]	13387	[6058, 12137]
2975	[5284, 5285]	6446	[9323, 9324]	9917	[5917, 2257]	13388	[6252, 12498]
2976	[5286, 5287]	6447	[9325, 9326]	9918	[7978, 6226]	13389	[12706, 8022]
2977	[4537, 5288]	6448	[9327, 9328]	9919	[12331, 12332]	13390	[6949, 13685]
2978	[5289, 5290]	6449	[9329, 319]	9920	[5890, 3293]	13391	[11953, 766]
2979	[5291, 5292]	6450	[9330, 9331]	9921	[3099, 2741]	13392	[12642, 13750]
2980	[4971, 5293]	6451	[9332, 9333]	9922	[2920, 12333]	13393	[6888, 13751]
2981	[1362, 5294]	6452	[4078, 9334]	9923	[6071, 12334]	13394	[742, 3310]

2982	[4163, 64]	6453	[9335, 1248]	9924	[3237, 12335]	13395	[7746, 6668]
2983	[5295, 5296]	6454	[4938, 5589]	9925	[12336, 6115]	13396	[2490, 791]
2984	[3682, 5297]	6455	[5572, 25]	9926	[3040, 2880]	13397	[12785, 6886]
2985	[4843, 5298]	6456	[9336, 9337]	9927	[8267, 6979]	13398	[5929, 12707]
2986	[5299, 5300]	6457	[9338, 4881]	9928	[7781, 12337]	13399	[6002, 3294]
2987	[3478, 4980]	6458	[9339, 9340]	9929	[2211, 5926]	13400	[6584, 13752]
2988	[5301, 5302]	6459	[9341, 9342]	9930	[7392, 7220]	13401	[1927, 13747]
2989	[5303, 5304]	6460	[9343, 4797]	9931	[7969, 7919]	13402	[8113, 2689]
2990	[5305, 5306]	6461	[9344, 9345]	9932	[2415, 12338]	13403	[12699, 11714]
2991	[5307, 5308]	6462	[9346, 9347]	9933	[3169, 7006]	13404	[6429, 13748]
2992	[5309, 5310]	6463	[122, 9348]	9934	[7455, 11711]	13405	[12102, 12312]
2993	[4673, 3749]	6464	[9349, 1406]	9935	[6499, 8308]	13406	[12697, 10]
2994	[5311, 5312]	6465	[1223, 4536]	9936	[12339, 11993]	13407	[7140, 6944]
2995	[5313, 5314]	6466	[9350, 9351]	9937	[2319, 12340]	13408	[7528, 8010]
2996	[5315, 5316]	6467	[9352, 9353]	9938	[12341, 11965]	13409	[12078, 7478]
2997	[5317, 5318]	6468	[3383, 5219]	9939	[1973, 11790]	13410	[2101, 13753]
2998	[5319, 5320]	6469	[4043, 9354]	9940	[12342, 551]	13411	[6293, 8287]
2999	[5321, 4749]	6470	[9355, 9356]	9941	[2552, 3197]	13412	[12514, 12118]
3000	[350, 4498]	6471	[9357, 979]	9942	[7293, 12286]	13413	[7682, 12723]
3001	[4375, 4026]	6472	[8562, 9358]	9943	[12343, 725]	13414	[7667, 770]
3002	[963, 5322]	6473	[9359, 9360]	9944	[2239, 165]	13415	[5887, 7481]
3003	[965, 5323]	6474	[9361, 9362]	9945	[7481, 12344]	13416	[12356, 12348]
3004	[5324, 5325]	6475	[9363, 9364]	9946	[12345, 174]	13417	[11909, 12045]
3005	[5326, 5327]	6476	[9365, 9366]	9947	[6983, 12346]	13418	[2975, 7651]
3006	[1806, 5328]	6477	[9282, 9365]	9948	[2955, 3108]	13419	[11702, 7002]
3007	[4895, 5329]	6478	[5449, 9367]	9949	[6414, 7461]	13420	[11541, 12382]
3008	[5105, 5330]	6479	[9368, 9369]	9950	[2165, 12061]	13421	[6215, 168]
3009	[5331, 5332]	6480	[9370, 9371]	9951	[7542, 7240]	13422	[11818, 13710]
3010	[5333, 5334]	6481	[9372, 9373]	9952	[2749, 2762]	13423	[635, 6871]
3011	[5335, 5336]	6482	[9374, 9375]	9953	[12347, 7645]	13424	[2309, 8315]
3012	[5190, 5337]	6483	[9376, 9377]	9954	[2175, 7825]	13425	[7772, 11681]
3013	[1328, 5338]	6484	[5708, 9378]	9955	[6231, 2234]	13426	[8126, 8143]
3014	[5339, 5340]	6485	[9379, 9380]	9956	[12348, 5871]	13427	[11903, 13754]
3015	[5341, 5342]	6486	[9381, 8549]	9957	[684, 7576]	13428	[12160, 6567]
3016	[3893, 5343]	6487	[9382, 9383]	9958	[11728, 8213]	13429	[6324, 13755]
3017	[4683, 5344]	6488	[4284, 9384]	9959	[12349, 12350]	13430	[7110, 12677]
3018	[5345, 3982]	6489	[9385, 9386]	9960	[2808, 7655]	13431	[3256, 2578]
3019	[5346, 5347]	6490	[8461, 9303]	9961	[2947, 8049]	13432	[11602, 3049]
3020	[5348, 5349]	6491	[9387, 9388]	9962	[2578, 46]	13433	[12549, 6558]
3021	[1205, 5350]	6492	[9389, 9390]	9963	[12351, 12352]	13434	[795, 12567]
3022	[5351, 5352]	6493	[9391, 9392]	9964	[12353, 12354]	13435	[7971, 197]
3023	[5353, 5354]	6494	[9393, 9394]	9965	[2709, 12355]	13436	[11623, 2699]
3024	[5355, 5356]	6495	[8479, 9395]	9966	[11641, 6353]	13437	[2512, 2457]
3025	[1627, 5357]	6496	[9396, 9397]	9967	[2387, 3304]	13438	[6697, 13676]

3026	[5358, 5359]	6497	[4578, 359]	9968	[6720, 7571]	13439	[13744, 2052]
3027	[4398, 5360]	6498	[9398, 8468]	9969	[12151, 12356]	13440	[6182, 6419]
3028	[5361, 4568]	6499	[408, 9399]	9970	[8303, 7139]	13441	[2363, 2536]
3029	[5362, 5363]	6500	[9400, 9401]	9971	[12357, 8412]	13442	[7959, 2214]
3030	[5364, 5365]	6501	[4633, 9402]	9972	[11920, 6031]	13443	[11736, 7722]
3031	[4631, 4747]	6502	[9403, 1528]	9973	[12358, 3098]	13444	[11622, 11591]
3032	[3658, 5366]	6503	[9404, 9405]	9974	[11875, 11551]	13445	[13673, 2259]
3033	[5367, 4096]	6504	[9406, 9407]	9975	[11861, 12194]	13446	[6959, 3012]
3034	[1156, 5368]	6505	[4706, 9408]	9976	[541, 12201]	13447	[2404, 12209]
3035	[5369, 5370]	6506	[1350, 9409]	9977	[7613, 2907]	13448	[11752, 6171]
3036	[5371, 5372]	6507	[9410, 9411]	9978	[1976, 818]	13449	[6797, 7184]
3037	[4493, 1161]	6508	[9412, 9413]	9979	[12359, 6189]	13450	[11665, 12786]
3038	[5064, 5373]	6509	[9414, 5636]	9980	[2646, 12360]	13451	[7003, 8045]
3039	[5374, 1420]	6510	[5059, 9415]	9981	[2942, 12361]	13452	[12656, 12535]
3040	[5119, 5133]	6511	[8855, 9416]	9982	[6985, 11545]	13453	[2451, 12135]
3041	[5375, 5376]	6512	[9417, 79]	9983	[5835, 12362]	13454	[8262, 13733]
3042	[5377, 5378]	6513	[9418, 9419]	9984	[5844, 8293]	13455	[11964, 13756]
3043	[5379, 5380]	6514	[9420, 5493]	9985	[2312, 8273]	13456	[2711, 7556]
3044	[5381, 5382]	6515	[9421, 9387]	9986	[6266, 3057]	13457	[12650, 8364]
3045	[5383, 5384]	6516	[8824, 9422]	9987	[2076, 512]	13458	[2678, 8124]
3046	[5385, 5386]	6517	[9115, 4379]	9988	[2058, 2286]	13459	[6402, 7229]
3047	[5387, 5388]	6518	[8633, 4407]	9989	[2399, 518]	13460	[12753, 7822]
3048	[5389, 5390]	6519	[16, 9423]	9990	[12363, 497]	13461	[3014, 2828]
3049	[5391, 5392]	6520	[20, 8565]	9991	[8424, 12364]	13462	[8255, 11565]
3050	[4681, 5393]	6521	[9424, 9425]	9992	[7564, 2332]	13463	[8088, 2858]
3051	[5394, 5395]	6522	[9426, 9427]	9993	[2139, 12098]	13464	[6877, 757]
3052	[5396, 5397]	6523	[9428, 9429]	9994	[2140, 11744]	13465	[2085, 6178]
3053	[5398, 5399]	6524	[9430, 9431]	9995	[6968, 6966]	13466	[2444, 2262]
3054	[5400, 5401]	6525	[8646, 9432]	9996	[6965, 6478]	13467	[12475, 11786]
3055	[5402, 5403]	6526	[9433, 9434]	9997	[6528, 12153]	13468	[6934, 2264]
3056	[5404, 5405]	6527	[9435, 9436]	9998	[7263, 6528]	13469	[8371, 6302]
3057	[5406, 5407]	6528	[9437, 9438]	9999	[12108, 7590]	13470	[13683, 8229]
3058	[5408, 4642]	6529	[9439, 4484]	10000	[7870, 7290]	13471	[179, 2034]
3059	[1541, 5409]	6530	[9440, 9441]	10001	[12098, 11744]	13472	[12549, 13757]
3060	[3440, 5410]	6531	[9442, 9443]	10002	[6475, 12105]	13473	[7052, 11787]
3061	[3357, 5411]	6532	[4501, 9444]	10003	[6478, 6970]	13474	[6729, 11761]
3062	[5412, 5052]	6533	[9445, 9446]	10004	[6532, 8186]	13475	[12737, 612]
3063	[5413, 4461]	6534	[340, 9447]	10005	[6986, 12365]	13476	[6042, 7623]
3064	[5414, 5415]	6535	[3746, 9448]	10006	[7648, 3256]	13477	[2480, 13758]
3065	[5416, 5417]	6536	[9449, 3801]	10007	[2618, 7718]	13478	[12320, 11873]
3066	[5418, 5419]	6537	[9450, 9451]	10008	[2325, 11624]	13479	[690, 8060]
3067	[5420, 3628]	6538	[5575, 9452]	10009	[7638, 6750]	13480	[7888, 12079]
3068	[1804, 3649]	6539	[8797, 3392]	10010	[8438, 5938]	13481	[5993, 11692]
3069	[5421, 5422]	6540	[9453, 9454]	10011	[7455, 12366]	13482	[722, 7983]

3070	[5423, 5424]	6541	[9455, 9456]	10012	[7383, 11942]	13483	[6957, 13727]
3071	[5425, 5184]	6542	[984, 3683]	10013	[8031, 153]	13484	[668, 3094]
3072	[5426, 5427]	6543	[1283, 9457]	10014	[869, 12367]	13485	[8149, 8226]
3073	[5428, 5429]	6544	[5127, 9458]	10015	[12368, 2457]	13486	[7973, 2973]
3074	[5430, 5431]	6545	[9459, 9460]	10016	[2021, 2482]	13487	[11582, 13759]
3075	[5432, 1056]	6546	[9461, 4634]	10017	[12265, 3281]	13488	[12423, 8086]
3076	[4174, 4996]	6547	[8681, 9462]	10018	[12369, 6733]	13489	[2843, 613]
3077	[5433, 5434]	6548	[9463, 9464]	10019	[2905, 2297]	13490	[12249, 6717]
3078	[5435, 5436]	6549	[5461, 4425]	10020	[2195, 12370]	13491	[2176, 7826]
3079	[5437, 5438]	6550	[9465, 4835]	10021	[12371, 6600]	13492	[8029, 12500]
3080	[5439, 5440]	6551	[1514, 9466]	10022	[11672, 3020]	13493	[12671, 13669]
3081	[5441, 3471]	6552	[9195, 9467]	10023	[12372, 12373]	13494	[7546, 7456]
3082	[4137, 5104]	6553	[4395, 9468]	10024	[2394, 203]	13495	[11958, 8381]
3083	[5442, 5443]	6554	[9469, 9470]	10025	[7463, 7318]	13496	[12566, 12095]
3084	[5444, 5445]	6555	[8867, 9471]	10026	[12374, 11666]	13497	[6447, 1903]
3085	[5446, 5447]	6556	[3781, 9472]	10027	[2025, 7995]	13498	[2485, 6312]
3086	[5448, 5449]	6557	[9473, 9474]	10028	[11994, 2309]	13499	[2340, 6071]
3087	[5282, 5450]	6558	[9099, 9475]	10029	[6246, 7049]	13500	[193, 6841]
3088	[3907, 5451]	6559	[1684, 9476]	10030	[12375, 2411]	13501	[6441, 11818]
3089	[5452, 5453]	6560	[9477, 9478]	10031	[7525, 12376]	13502	[2428, 8221]
3090	[5454, 1178]	6561	[9479, 9480]	10032	[6092, 2817]	13503	[2213, 3090]
3091	[5455, 5456]	6562	[9481, 9482]	10033	[12377, 7953]	13504	[6425, 7447]
3092	[1354, 5457]	6563	[5318, 9483]	10034	[12378, 12379]	13505	[11721, 6287]
3093	[5458, 5459]	6564	[8696, 1414]	10035	[11583, 7875]	13506	[6312, 7361]
3094	[5460, 5461]	6565	[9484, 9485]	10036	[12380, 2522]	13507	[945, 12348]
3095	[5206, 5462]	6566	[8894, 9486]	10037	[6656, 12381]	13508	[3305, 2959]
3096	[5463, 5464]	6567	[9487, 9488]	10038	[497, 8387]	13509	[12759, 5919]
3097	[5465, 5466]	6568	[3494, 9489]	10039	[1956, 12382]	13510	[12201, 12689]
3098	[5467, 5468]	6569	[9490, 9491]	10040	[12271, 557]	13511	[12218, 13760]
3099	[5469, 5470]	6570	[1386, 9030]	10041	[2290, 6163]	13512	[8044, 12136]
3100	[4512, 5471]	6571	[9492, 9493]	10042	[7509, 12383]	13513	[2864, 868]
3101	[5472, 5473]	6572	[9494, 9495]	10043	[12384, 11955]	13514	[7998, 6027]
3102	[5474, 5475]	6573	[9496, 1116]	10044	[8045, 11869]	13515	[2341, 12334]
3103	[5476, 5305]	6574	[4336, 9497]	10045	[6996, 12385]	13516	[7731, 2066]
3104	[5477, 5478]	6575	[1587, 9498]	10046	[766, 6538]	13517	[6300, 7194]
3105	[1332, 5479]	6576	[9499, 9500]	10047	[7547, 5907]	13518	[12681, 12684]
3106	[1334, 5480]	6577	[9501, 9502]	10048	[3058, 3315]	13519	[5913, 6151]
3107	[5481, 3854]	6578	[9503, 9504]	10049	[12386, 8048]	13520	[6424, 3013]
3108	[5456, 3826]	6579	[9505, 9506]	10050	[5990, 778]	13521	[2533, 13761]
3109	[5482, 3453]	6580	[5533, 9507]	10051	[6637, 7315]	13522	[2569, 12710]
3110	[5483, 5484]	6581	[9508, 9509]	10052	[2359, 830]	13523	[2841, 7190]
3111	[5485, 5486]	6582	[9510, 9511]	10053	[732, 8297]	13524	[12295, 8235]
3112	[5487, 5488]	6583	[5171, 9512]	10054	[576, 12387]	13525	[7461, 13762]
3113	[5489, 5490]	6584	[9513, 9514]	10055	[12388, 12332]	13526	[12193, 11862]

3114	[4665, 5491]	6585	[9515, 9516]	10056	[820, 12264]	13527	[2530, 13763]
3115	[4667, 5492]	6586	[4409, 9517]	10057	[12363, 12225]	13528	[2202, 2372]
3116	[5493, 5494]	6587	[9518, 9519]	10058	[6987, 12389]	13529	[7635, 3037]
3117	[5495, 5496]	6588	[9520, 9521]	10059	[2148, 6415]	13530	[12347, 12639]
3118	[5497, 1100]	6589	[9522, 9523]	10060	[37, 6145]	13531	[6908, 2682]
3119	[5498, 5499]	6590	[9524, 9525]	10061	[5975, 12390]	13532	[6243, 13764]
3120	[4762, 5500]	6591	[1125, 9526]	10062	[12391, 49]	13533	[12284, 3052]
3121	[5236, 5501]	6592	[9527, 9528]	10063	[7121, 2628]	13534	[7905, 6396]
3122	[5502, 5503]	6593	[4477, 9529]	10064	[7878, 6953]	13535	[6836, 13702]
3123	[5504, 5505]	6594	[9530, 9531]	10065	[11998, 6661]	13536	[2143, 7303]
3124	[4240, 1224]	6595	[3946, 9532]	10066	[2320, 2365]	13537	[6361, 12768]
3125	[4241, 5506]	6596	[8992, 8903]	10067	[8156, 7489]	13538	[3165, 13765]
3126	[994, 5507]	6597	[9533, 9534]	10068	[12392, 12393]	13539	[12581, 7651]
3127	[4324, 5508]	6598	[9535, 8505]	10069	[12394, 516]	13540	[12676, 12439]
3128	[5509, 5510]	6599	[4143, 9536]	10070	[7926, 2886]	13541	[7507, 233]
3129	[5511, 5512]	6600	[9537, 9538]	10071	[138, 11544]	13542	[6218, 6102]
3130	[5513, 4488]	6601	[9539, 1803]	10072	[7573, 899]	13543	[2833, 925]
3131	[5514, 5515]	6602	[5503, 3386]	10073	[12395, 1983]	13544	[57, 12189]
3132	[5516, 4751]	6603	[3625, 1046]	10074	[6903, 8244]	13545	[2622, 189]
3133	[5517, 4435]	6604	[9540, 9541]	10075	[11795, 3131]	13546	[13716, 3300]
3134	[5518, 5519]	6605	[9542, 3802]	10076	[2830, 12396]	13547	[6905, 8320]
3135	[3995, 5520]	6606	[9543, 4703]	10077	[7601, 957]	13548	[12292, 12246]
3136	[5521, 5522]	6607	[8759, 1831]	10078	[8384, 12397]	13549	[8225, 8150]
3137	[5523, 5524]	6608	[9544, 9545]	10079	[7445, 2492]	13550	[7318, 2142]
3138	[5525, 1314]	6609	[1358, 9546]	10080	[6361, 12398]	13551	[7640, 147]
3139	[5526, 5527]	6610	[9547, 9548]	10081	[11671, 6827]	13552	[44, 8095]
3140	[1119, 5528]	6611	[9549, 9550]	10082	[8274, 6987]	13553	[12437, 12182]
3141	[5529, 5530]	6612	[1756, 9020]	10083	[6311, 7345]	13554	[6316, 12160]
3142	[5531, 5532]	6613	[9531, 9551]	10084	[12399, 886]	13555	[6796, 891]
3143	[1676, 5533]	6614	[9552, 9553]	10085	[12400, 12146]	13556	[8372, 3303]
3144	[5534, 4412]	6615	[9554, 9555]	10086	[7929, 7873]	13557	[7288, 13766]
3145	[5535, 5536]	6616	[9556, 9557]	10087	[12401, 7925]	13558	[6339, 6250]
3146	[5537, 5538]	6617	[9558, 9559]	10088	[12402, 12403]	13559	[240, 13671]
3147	[5539, 5540]	6618	[9560, 9561]	10089	[5953, 6298]	13560	[2101, 2436]
3148	[1287, 5541]	6619	[9562, 9563]	10090	[7126, 1959]	13561	[7580, 11715]
3149	[5542, 5543]	6620	[9468, 9564]	10091	[7200, 6756]	13562	[6222, 7764]
3150	[5544, 5545]	6621	[9176, 9565]	10092	[12404, 11575]	13563	[6835, 8255]
3151	[5546, 5547]	6622	[9566, 4453]	10093	[12405, 12003]	13564	[12399, 11897]
3152	[5548, 5549]	6623	[1594, 9567]	10094	[6376, 6263]	13565	[656, 13720]
3153	[5116, 5550]	6624	[9568, 4815]	10095	[12385, 592]	13566	[12546, 12055]
3154	[5551, 5552]	6625	[9569, 9570]	10096	[12276, 505]	13567	[2707, 12540]
3155	[5553, 5554]	6626	[4206, 9571]	10097	[2381, 934]	13568	[6444, 13767]
3156	[5177, 5555]	6627	[5329, 9572]	10098	[7811, 12209]	13569	[565, 12029]
3157	[5556, 5557]	6628	[9383, 9573]	10099	[2911, 601]	13570	[7347, 3103]

3158	[5558, 5559]	6629	[9574, 3360]	10100	[12406, 7883]	13571	[11592, 7480]
3159	[5560, 4955]	6630	[9575, 5099]	10101	[12034, 2819]	13572	[3238, 11961]
3160	[5561, 5181]	6631	[4818, 9576]	10102	[573, 12407]	13573	[2228, 7471]
3161	[5562, 5563]	6632	[9514, 9577]	10103	[2775, 2608]	13574	[12526, 12765]
3162	[5564, 3380]	6633	[9578, 9579]	10104	[7414, 7841]	13575	[11871, 13768]
3163	[5565, 5566]	6634	[9580, 9155]	10105	[8426, 12338]	13576	[2982, 12746]
3164	[5567, 5568]	6635	[9581, 9582]	10106	[12408, 2839]	13577	[2389, 7661]
3165	[5569, 5570]	6636	[9583, 5090]	10107	[2296, 12409]	13578	[3274, 13769]
3166	[5571, 5572]	6637	[9584, 9585]	10108	[12410, 947]	13579	[8411, 12670]
3167	[5573, 5574]	6638	[9586, 5261]	10109	[2059, 7167]	13580	[6736, 6349]
3168	[3427, 5575]	6639	[9587, 4003]	10110	[12411, 856]	13581	[3281, 7688]
3169	[4805, 5576]	6640	[4268, 9588]	10111	[12052, 2946]	13582	[1998, 8307]
3170	[5577, 5158]	6641	[3606, 9589]	10112	[7664, 8292]	13583	[2660, 13693]
3171	[5578, 3741]	6642	[9590, 9591]	10113	[5987, 12412]	13584	[6243, 2358]
3172	[4462, 5179]	6643	[9592, 4122]	10114	[810, 3227]	13585	[11991, 6753]
3173	[5579, 5580]	6644	[9593, 9594]	10115	[886, 12413]	13586	[8314, 2310]
3174	[5581, 5582]	6645	[9488, 9595]	10116	[12146, 11778]	13587	[6494, 13770]
3175	[5583, 5584]	6646	[9596, 9597]	10117	[11670, 12414]	13588	[8240, 6719]
3176	[1199, 997]	6647	[9598, 8555]	10118	[49, 7441]	13589	[11757, 7047]
3177	[5585, 5586]	6648	[9599, 9600]	10119	[12250, 8050]	13590	[6722, 3225]
3178	[5587, 5588]	6649	[5738, 9601]	10120	[11837, 8360]	13591	[11654, 2173]
3179	[5589, 5590]	6650	[9602, 9603]	10121	[3224, 2601]	13592	[1958, 7463]
3180	[5591, 3358]	6651	[9604, 9605]	10122	[6223, 7765]	13593	[133, 1866]
3181	[5592, 5593]	6652	[3385, 1263]	10123	[2805, 2430]	13594	[6121, 12136]
3182	[4744, 5176]	6653	[9606, 9607]	10124	[7160, 12247]	13595	[6377, 6021]
3183	[5594, 5595]	6654	[9067, 9608]	10125	[12095, 11557]	13596	[11780, 7301]
3184	[5596, 5597]	6655	[5648, 3491]	10126	[12415, 7686]	13597	[12562, 11835]
3185	[5598, 5095]	6656	[5434, 9609]	10127	[730, 2720]	13598	[6771, 755]
3186	[5599, 4573]	6657	[9610, 9611]	10128	[12349, 8142]	13599	[2481, 6591]
3187	[1760, 5600]	6658	[1250, 4253]	10129	[5982, 8416]	13600	[7645, 13742]
3188	[5601, 5602]	6659	[9612, 9613]	10130	[12416, 7566]	13601	[711, 2055]
3189	[5603, 5604]	6660	[9614, 9615]	10131	[896, 12417]	13602	[12602, 2913]
3190	[5605, 5606]	6661	[9616, 9617]	10132	[6280, 8404]	13603	[11792, 7429]
3191	[5607, 3415]	6662	[9618, 9619]	10133	[5898, 3249]	13604	[12580, 6822]
3192	[5608, 5609]	6663	[1454, 3692]	10134	[7420, 735]	13605	[6799, 7271]
3193	[5610, 5611]	6664	[9620, 9621]	10135	[11759, 8262]	13606	[2738, 3007]
3194	[5612, 1426]	6665	[9622, 9623]	10136	[7251, 5943]	13607	[3036, 7636]
3195	[5613, 5614]	6666	[64, 9624]	10137	[1945, 13]	13608	[12246, 11698]
3196	[5615, 5616]	6667	[9625, 9626]	10138	[2953, 12418]	13609	[6124, 12084]
3197	[5617, 5618]	6668	[5101, 9627]	10139	[12419, 7123]	13610	[2974, 813]
3198	[5619, 5620]	6669	[4553, 9628]	10140	[6577, 11693]	13611	[7107, 642]
3199	[5621, 5622]	6670	[5244, 9350]	10141	[12126, 6281]	13612	[2756, 13771]
3200	[5623, 5624]	6671	[332, 9629]	10142	[7835, 11973]	13613	[6095, 13772]
3201	[5625, 5626]	6672	[9630, 1753]	10143	[8272, 2580]	13614	[11539, 2941]

3202	[5627, 390]	6673	[3413, 9631]	10144	[1869, 8000]	13615	[2686, 2933]
3203	[5628, 5629]	6674	[1256, 9632]	10145	[6557, 8254]	13616	[11905, 7941]
3204	[5630, 5631]	6675	[9633, 9634]	10146	[12420, 2289]	13617	[7373, 13743]
3205	[5632, 5633]	6676	[9529, 9635]	10147	[558, 12403]	13618	[7744, 2769]
3206	[5634, 5635]	6677	[9636, 9637]	10148	[12325, 6775]	13619	[7951, 11658]
3207	[5636, 5637]	6678	[9638, 9639]	10149	[7331, 7991]	13620	[8029, 13773]
3208	[5638, 5639]	6679	[9267, 9640]	10150	[11811, 7663]	13621	[13733, 6060]
3209	[5640, 5286]	6680	[3404, 4420]	10151	[12421, 6285]	13622	[2660, 12741]
3210	[5641, 5642]	6681	[9641, 443]	10152	[6946, 12294]	13623	[7658, 7214]
3211	[5424, 5643]	6682	[9642, 5223]	10153	[6166, 12273]	13624	[12484, 8348]
3212	[5644, 3514]	6683	[4657, 9643]	10154	[6718, 8241]	13625	[842, 13774]
3213	[5645, 5646]	6684	[9644, 9645]	10155	[2379, 12329]	13626	[12508, 7589]
3214	[5647, 5141]	6685	[402, 4242]	10156	[11638, 7419]	13627	[1971, 7967]
3215	[3470, 5648]	6686	[9646, 9647]	10157	[7992, 2754]	13628	[7535, 13775]
3216	[5649, 5650]	6687	[5218, 9648]	10158	[11822, 6840]	13629	[2689, 7080]
3217	[5651, 5374]	6688	[9649, 9650]	10159	[12280, 12328]	13630	[198, 3203]
3218	[5652, 5653]	6689	[3641, 9651]	10160	[11750, 11805]	13631	[12558, 2657]
3219	[5654, 5655]	6690	[8465, 3831]	10161	[11933, 588]	13632	[7441, 12157]
3220	[5656, 5657]	6691	[9652, 8712]	10162	[2442, 6002]	13633	[6031, 11906]
3221	[5658, 5556]	6692	[4731, 9653]	10163	[895, 2964]	13634	[132, 13776]
3222	[5659, 1568]	6693	[9654, 9655]	10164	[12148, 681]	13635	[2743, 11802]
3223	[5660, 5661]	6694	[3635, 4455]	10165	[12422, 6219]	13636	[12807, 8260]
3224	[5662, 5663]	6695	[9656, 5546]	10166	[5841, 3044]	13637	[6400, 8155]
3225	[5664, 5665]	6696	[9657, 1837]	10167	[8416, 12423]	13638	[7273, 1938]
3226	[5666, 5667]	6697	[4023, 4820]	10168	[8141, 12350]	13639	[7142, 7638]
3227	[379, 5668]	6698	[8961, 9658]	10169	[12219, 12424]	13640	[11756, 1989]
3228	[5669, 5670]	6699	[5328, 9535]	10170	[6991, 7432]	13641	[12307, 11913]
3229	[5671, 5043]	6700	[24, 9659]	10171	[12425, 12361]	13642	[12497, 2045]
3230	[5672, 5673]	6701	[467, 8981]	10172	[11605, 2169]	13643	[841, 11799]
3231	[5674, 5675]	6702	[3431, 9660]	10173	[2795, 8306]	13644	[3273, 155]
3232	[5676, 1329]	6703	[9661, 9662]	10174	[61, 8061]	13645	[12501, 6067]
3233	[5677, 4743]	6704	[9663, 9664]	10175	[8266, 8365]	13646	[7199, 7191]
3234	[5678, 5679]	6705	[3770, 268]	10176	[12426, 12427]	13647	[12517, 12050]
3235	[5680, 5681]	6706	[9665, 9666]	10177	[6816, 7794]	13648	[6208, 7978]
3236	[5682, 5683]	6707	[5657, 9667]	10178	[11702, 6438]	13649	[7342, 13777]
3237	[5684, 5685]	6708	[9668, 5309]	10179	[6803, 7325]	13650	[7817, 8164]
3238	[5686, 5687]	6709	[9669, 4523]	10180	[2383, 6298]	13651	[11878, 13778]
3239	[4450, 4180]	6710	[8757, 9670]	10181	[12428, 6133]	13652	[8117, 2635]
3240	[1818, 5048]	6711	[9671, 9672]	10182	[11776, 2615]	13653	[7534, 7603]
3241	[389, 1769]	6712	[9673, 4203]	10183	[3096, 7089]	13654	[11804, 2491]
3242	[5688, 5102]	6713	[9674, 9675]	10184	[8108, 6482]	13655	[12482, 11895]
3243	[5689, 5690]	6714	[5130, 8756]	10185	[12429, 744]	13656	[8210, 2745]
3244	[4380, 5691]	6715	[9676, 1388]	10186	[12127, 12355]	13657	[7279, 13779]
3245	[5692, 5069]	6716	[9677, 9678]	10187	[8112, 11873]	13658	[1986, 7418]

3246	[1055, 5693]	6717	[9679, 9680]	10188	[5948, 11647]	13659	[182, 7358]
3247	[5694, 5695]	6718	[5098, 4173]	10189	[2549, 683]	13660	[13697, 6233]
3248	[5696, 5697]	6719	[9681, 3605]	10190	[5872, 2935]	13661	[12351, 12797]
3249	[5698, 5699]	6720	[9682, 9683]	10191	[12430, 8442]	13662	[2881, 1938]
3250	[5700, 5701]	6721	[1629, 9684]	10192	[8118, 6180]	13663	[6962, 7567]
3251	[3882, 5702]	6722	[9432, 5666]	10193	[783, 6577]	13664	[12128, 11845]
3252	[5519, 5703]	6723	[9685, 9686]	10194	[2086, 6179]	13665	[12545, 3206]
3253	[5704, 5705]	6724	[5334, 1476]	10195	[3109, 12431]	13666	[13780, 4852]
3254	[5706, 5707]	6725	[9687, 9688]	10196	[11610, 7358]	13667	[11200, 3467]
3255	[3656, 5708]	6726	[9689, 9690]	10197	[12432, 6124]	13668	[3821, 13124]
3256	[5709, 4632]	6727	[9691, 8940]	10198	[6467, 12433]	13669	[13781, 11380]
3257	[5710, 3566]	6728	[9692, 9693]	10199	[12234, 7881]	13670	[13070, 13782]
3258	[5711, 5712]	6729	[9694, 9695]	10200	[12434, 12435]	13671	[12960, 13520]
3259	[5713, 1821]	6730	[9696, 5435]	10201	[8367, 7105]	13672	[10616, 5819]
3260	[5714, 1024]	6731	[9697, 9698]	10202	[2277, 12436]	13673	[13551, 8727]
3261	[5715, 5716]	6732	[9699, 5755]	10203	[12437, 3162]	13674	[5091, 9344]
3262	[5717, 5718]	6733	[5360, 5097]	10204	[7394, 7257]	13675	[5129, 11183]
3263	[5719, 4007]	6734	[9700, 4193]	10205	[12401, 7248]	13676	[12866, 9641]
3264	[5720, 5721]	6735	[9701, 9702]	10206	[2354, 3124]	13677	[10039, 5732]
3265	[1045, 4785]	6736	[9703, 9704]	10207	[1992, 7113]	13678	[13420, 13783]
3266	[5722, 5723]	6737	[9705, 1096]	10208	[8253, 12231]	13679	[13509, 12952]
3267	[5724, 115]	6738	[9706, 9707]	10209	[12438, 6805]	13680	[3520, 13784]
3268	[4277, 1550]	6739	[5279, 19]	10210	[6559, 12215]	13681	[13785, 3522]
3269	[5725, 4557]	6740	[4986, 9708]	10211	[8041, 687]	13682	[13606, 1635]
3270	[5721, 5420]	6741	[9709, 5351]	10212	[1862, 12122]	13683	[13786, 13787]
3271	[5726, 5727]	6742	[9710, 9711]	10213	[6253, 6455]	13684	[13788, 10943]
3272	[5728, 5729]	6743	[5148, 5448]	10214	[12252, 7165]	13685	[9970, 13416]
3273	[5730, 5731]	6744	[9712, 9713]	10215	[7240, 2603]	13686	[13789, 441]
3274	[5732, 5733]	6745	[9714, 9715]	10216	[3304, 2518]	13687	[11341, 1582]
3275	[5734, 5364]	6746	[8463, 8579]	10217	[2892, 2643]	13688	[4834, 8878]
3276	[5735, 5736]	6747	[3756, 9123]	10218	[7110, 12439]	13689	[1049, 9221]
3277	[5737, 5738]	6748	[9415, 9716]	10219	[11696, 2217]	13690	[13508, 13790]
3278	[1620, 5739]	6749	[9717, 9718]	10220	[873, 2701]	13691	[11037, 3564]
3279	[5740, 4065]	6750	[9719, 9720]	10221	[12429, 2506]	13692	[13791, 8978]
3280	[5741, 1114]	6751	[412, 9721]	10222	[2419, 12244]	13693	[4776, 1073]
3281	[5742, 4063]	6752	[9722, 9723]	10223	[12440, 6542]	13694	[13792, 11375]
3282	[1391, 5743]	6753	[9724, 9725]	10224	[2040, 2033]	13695	[11308, 10499]
3283	[1095, 5391]	6754	[5410, 9726]	10225	[2784, 2980]	13696	[3859, 4359]
3284	[5744, 5745]	6755	[5729, 9727]	10226	[6923, 3325]	13697	[9305, 10883]
3285	[5746, 5747]	6756	[9728, 9729]	10227	[12441, 12354]	13698	[9273, 349]
3286	[1567, 3716]	6757	[383, 1385]	10228	[12442, 2184]	13699	[13793, 5398]
3287	[5748, 5749]	6758	[9730, 9731]	10229	[6976, 11676]	13700	[13522, 13794]
3288	[5750, 5751]	6759	[9732, 3554]	10230	[11658, 12311]	13701	[9392, 4038]
3289	[5752, 5753]	6760	[9733, 9734]	10231	[6883, 11563]	13702	[10577, 13047]

3290	[5754, 4587]	6761	[120, 9499]	10232	[12216, 11787]	13703	[10450, 9911]
3291	[5755, 5756]	6762	[9735, 3850]	10233	[6727, 2032]	13704	[13795, 8675]
3292	[5757, 4575]	6763	[9736, 9737]	10234	[5837, 12443]	13705	[13114, 11453]
3293	[5758, 5759]	6764	[9738, 9739]	10235	[12444, 2681]	13706	[13518, 4144]
3294	[4391, 5760]	6765	[9740, 9741]	10236	[12391, 6238]	13707	[13796, 13336]
3295	[5761, 5762]	6766	[9742, 8769]	10237	[7439, 7131]	13708	[4928, 4851]
3296	[5763, 5764]	6767	[9743, 331]	10238	[6983, 1982]	13709	[13797, 10761]
3297	[5765, 5766]	6768	[9744, 9745]	10239	[11680, 7773]	13710	[387, 13042]
3298	[118, 5649]	6769	[377, 9045]	10240	[8255, 12445]	13711	[13174, 5367]
3299	[5767, 5768]	6770	[9746, 5273]	10241	[11812, 12446]	13712	[9664, 9428]
3300	[5769, 5770]	6771	[9747, 9748]	10242	[6799, 6029]	13713	[11116, 4138]
3301	[5771, 5772]	6772	[9749, 9750]	10243	[2053, 6957]	13714	[8873, 10201]
3302	[5773, 5774]	6773	[9751, 9752]	10244	[3322, 7898]	13715	[13605, 13798]
3303	[5775, 1280]	6774	[9753, 9754]	10245	[6446, 6894]	13716	[13799, 11189]
3304	[5776, 5777]	6775	[5411, 5394]	10246	[2879, 7035]	13717	[5699, 10713]
3305	[5778, 5585]	6776	[5536, 9755]	10247	[12447, 233]	13718	[4330, 382]
3306	[5779, 5780]	6777	[9756, 9757]	10248	[707, 860]	13719	[3913, 13800]
3307	[1610, 1434]	6778	[5492, 9758]	10249	[2502, 6231]	13720	[3734, 13067]
3308	[5781, 5782]	6779	[9759, 4195]	10250	[3118, 7278]	13721	[5356, 13801]
3309	[1007, 5783]	6780	[9760, 9761]	10251	[12448, 8207]	13722	[13802, 12939]
3310	[5782, 309]	6781	[9762, 9763]	10252	[12449, 12450]	13723	[1719, 4449]
3311	[3666, 5784]	6782	[9764, 9765]	10253	[12451, 39]	13724	[13111, 5430]
3312	[5785, 5786]	6783	[3464, 9766]	10254	[12452, 2768]	13725	[10310, 13803]
3313	[5787, 3943]	6784	[9767, 9768]	10255	[7735, 3202]	13726	[13461, 10924]
3314	[5788, 5789]	6785	[4742, 9769]	10256	[2836, 5870]	13727	[3702, 13804]
3315	[5790, 5050]	6786	[5697, 9770]	10257	[6869, 8340]	13728	[9619, 13029]
3316	[4637, 5791]	6787	[4827, 4294]	10258	[1929, 7154]	13729	[13409, 4737]
3317	[5792, 5793]	6788	[9771, 9772]	10259	[922, 12453]	13730	[13609, 9984]
3318	[5794, 1144]	6789	[9773, 9774]	10260	[11740, 130]	13731	[4739, 8615]
3319	[5795, 5796]	6790	[3492, 5644]	10261	[12454, 6444]	13732	[11002, 5523]
3320	[5797, 5798]	6791	[1504, 9775]	10262	[12146, 2065]	13733	[12970, 1445]
3321	[5799, 5800]	6792	[9634, 9776]	10263	[854, 12455]	13734	[3772, 13619]
3322	[5801, 262]	6793	[9777, 9778]	10264	[678, 12037]	13735	[13805, 13569]
3323	[455, 5802]	6794	[8642, 9779]	10265	[5861, 12456]	13736	[11365, 10232]
3324	[4626, 5803]	6795	[9780, 9781]	10266	[12457, 7352]	13737	[13806, 9777]
3325	[3448, 5804]	6796	[9782, 1718]	10267	[8076, 12396]	13738	[9229, 1466]
3326	[5528, 1524]	6797	[9783, 9784]	10268	[7874, 7282]	13739	[13807, 13351]
3327	[4105, 5805]	6798	[9785, 9786]	10269	[8002, 12324]	13740	[11159, 10766]
3328	[3480, 5806]	6799	[9787, 9788]	10270	[12458, 7806]	13741	[9768, 13105]
3329	[5807, 5808]	6800	[9789, 9790]	10271	[7327, 3023]	13742	[9573, 9697]
3330	[5809, 5810]	6801	[9791, 4191]	10272	[7300, 11781]	13743	[3551, 3828]
3331	[5811, 5812]	6802	[9737, 9792]	10273	[7466, 12160]	13744	[13593, 8605]
3332	[5813, 5814]	6803	[9748, 9793]	10274	[7577, 12459]	13745	[13621, 1430]
3333	[4370, 5815]	6804	[9794, 8980]	10275	[12460, 2870]	13746	[5515, 3610]

3334	[5816, 5817]	6805	[8885, 9795]	10276	[7830, 6251]	13747	[5047, 13808]
3335	[5818, 1841]	6806	[9796, 9797]	10277	[11593, 12461]	13748	[9299, 13554]
3336	[5819, 5820]	6807	[4474, 9798]	10278	[12462, 7116]	13749	[4921, 10320]
3337	[5821, 5414]	6808	[9799, 9027]	10279	[5866, 6342]	13750	[13809, 13810]
3338	[5822, 2762]	6809	[3759, 8535]	10280	[12204, 2298]	13751	[13811, 13812]
3339	[2513, 5823]	6810	[9800, 9801]	10281	[3233, 12000]	13752	[9904, 11236]
3340	[5824, 2757]	6811	[8559, 5361]	10282	[7632, 7802]	13753	[3785, 12937]
3341	[5825, 5826]	6812	[3377, 9802]	10283	[6761, 12463]	13754	[10772, 13813]
3342	[5827, 2276]	6813	[9803, 9804]	10284	[6883, 6506]	13755	[13627, 13308]
3343	[5828, 5829]	6814	[9805, 9733]	10285	[8319, 11883]	13756	[13814, 11258]
3344	[1994, 5830]	6815	[9766, 4155]	10286	[12464, 12465]	13757	[3602, 13815]
3345	[5831, 5832]	6816	[84, 4603]	10287	[565, 12466]	13758	[4452, 392]
3346	[2735, 5833]	6817	[9806, 3587]	10288	[12467, 8436]	13759	[13206, 9879]
3347	[808, 5834]	6818	[9807, 9132]	10289	[8270, 2351]	13760	[8780, 4607]
3348	[5835, 5836]	6819	[1647, 9808]	10290	[11875, 142]	13761	[10560, 10283]
3349	[5837, 5838]	6820	[9809, 1845]	10291	[2438, 2921]	13762	[3672, 11074]
3350	[2214, 3091]	6821	[9810, 9687]	10292	[12468, 12318]	13763	[13816, 13816]
3351	[2133, 5839]	6822	[9811, 9812]	10293	[8044, 6122]	13764	[11057, 9455]
3352	[1879, 5840]	6823	[1624, 9813]	10294	[11751, 6213]	13765	[3886, 13817]
3353	[5841, 2050]	6824	[9480, 9814]	10295	[8319, 2620]	13766	[3927, 13818]
3354	[5842, 2413]	6825	[9815, 9816]	10296	[12026, 3221]	13767	[13440, 5807]
3355	[2969, 5843]	6826	[4518, 9817]	10297	[7320, 6251]	13768	[3486, 9281]
3356	[721, 5844]	6827	[9818, 9819]	10298	[6749, 12074]	13769	[12989, 11015]
3357	[2760, 913]	6828	[4757, 9820]	10299	[632, 6227]	13770	[10967, 8960]
3358	[5845, 2304]	6829	[9821, 9822]	10300	[6604, 5875]	13771	[13819, 67]
3359	[5846, 5847]	6830	[8648, 9823]	10301	[6896, 12469]	13772	[11534, 10831]
3360	[2379, 5848]	6831	[9824, 9642]	10302	[12470, 8017]	13773	[11144, 8725]
3361	[5849, 5850]	6832	[9825, 9826]	10303	[12471, 6552]	13774	[10282, 8812]
3362	[2689, 5851]	6833	[9055, 9827]	10304	[12472, 12473]	13775	[13170, 3978]
3363	[5852, 5853]	6834	[4952, 9828]	10305	[11795, 2497]	13776	[261, 1716]
3364	[5854, 5855]	6835	[9814, 9829]	10306	[7171, 1896]	13777	[13255, 13820]
3365	[3042, 2159]	6836	[9830, 9831]	10307	[8128, 594]	13778	[5796, 5567]
3366	[2252, 5856]	6837	[9812, 4059]	10308	[7186, 1916]	13779	[8654, 13821]
3367	[5857, 2650]	6838	[9832, 9833]	10309	[12474, 36]	13780	[13822, 7252]
3368	[5858, 5859]	6839	[9834, 9835]	10310	[527, 6736]	13781	[3141, 6204]
3369	[5860, 5861]	6840	[9836, 9837]	10311	[2620, 12039]	13782	[8405, 13823]
3370	[5862, 49]	6841	[9838, 9839]	10312	[7964, 702]	13783	[12196, 13824]
3371	[5863, 5864]	6842	[9840, 5599]	10313	[2424, 6263]	13784	[12127, 13825]
3372	[2751, 2874]	6843	[9388, 1597]	10314	[8273, 2581]	13785	[7149, 857]
3373	[5865, 5866]	6844	[9841, 9842]	10315	[3323, 11690]	13786	[11807, 3258]
3374	[5867, 3079]	6845	[3584, 9843]	10316	[12475, 2721]	13787	[2427, 2916]
3375	[5868, 2302]	6846	[9844, 9845]	10317	[7894, 11940]	13788	[12774, 3137]
3376	[3008, 5869]	6847	[9846, 8968]	10318	[2572, 5960]	13789	[12747, 12630]
3377	[944, 5870]	6848	[9847, 9848]	10319	[8179, 12174]	13790	[12348, 13826]

3378	[946, 5871]	6849	[3633, 3990]	10320	[7686, 8130]	13791	[11986, 6365]
3379	[5872, 5873]	6850	[9849, 9850]	10321	[868, 11617]	13792	[12327, 12625]
3380	[5874, 5875]	6851	[9851, 9852]	10322	[6911, 12476]	13793	[6556, 2016]
3381	[5876, 5877]	6852	[4810, 9853]	10323	[12441, 12477]	13794	[6486, 13827]
3382	[5878, 5879]	6853	[4803, 1206]	10324	[6030, 11905]	13795	[3174, 13766]
3383	[5880, 2890]	6854	[9854, 1608]	10325	[8369, 12011]	13796	[8065, 7032]
3384	[2395, 5881]	6855	[4060, 5818]	10326	[7016, 6893]	13797	[6145, 8009]
3385	[839, 2401]	6856	[9855, 9856]	10327	[12478, 11918]	13798	[2322, 13828]
3386	[5882, 5883]	6857	[9857, 9858]	10328	[2842, 12322]	13799	[2141, 7319]
3387	[5884, 2746]	6858	[9859, 9860]	10329	[1981, 12346]	13800	[6481, 8109]
3388	[5885, 5886]	6859	[9861, 9862]	10330	[867, 11616]	13801	[6401, 7069]
3389	[5887, 5888]	6860	[9317, 5278]	10331	[12405, 12479]	13802	[12205, 2282]
3390	[5889, 5890]	6861	[9863, 9864]	10332	[7514, 12480]	13803	[3242, 13829]
3391	[2673, 744]	6862	[9865, 5662]	10333	[7091, 7960]	13804	[6321, 13830]
3392	[5891, 2984]	6863	[9866, 8974]	10334	[1938, 12424]	13805	[3229, 6895]
3393	[5892, 5893]	6864	[9867, 9868]	10335	[1986, 12481]	13806	[13699, 3205]
3394	[2641, 5894]	6865	[5014, 9869]	10336	[7132, 12482]	13807	[13723, 6711]
3395	[5895, 716]	6866	[9870, 9871]	10337	[8033, 11795]	13808	[854, 13831]
3396	[5896, 5897]	6867	[9872, 9873]	10338	[12421, 12483]	13809	[2607, 7922]
3397	[5898, 5899]	6868	[110, 9606]	10339	[12378, 2851]	13810	[12560, 12505]
3398	[5900, 5901]	6869	[5241, 9874]	10340	[12484, 5935]	13811	[8367, 12099]
3399	[3220, 5902]	6870	[9875, 9876]	10341	[6359, 12453]	13812	[8288, 7284]
3400	[3302, 5903]	6871	[9457, 9877]	10342	[12069, 2559]	13813	[12444, 6908]
3401	[5904, 2864]	6872	[5806, 9878]	10343	[6708, 506]	13814	[12730, 692]
3402	[5905, 5906]	6873	[9879, 9880]	10344	[12485, 2978]	13815	[2983, 13832]
3403	[5907, 5908]	6874	[9881, 9882]	10345	[165, 6101]	13816	[12066, 13760]
3404	[2715, 3124]	6875	[9883, 471]	10346	[12486, 7405]	13817	[8030, 11797]
3405	[2778, 5909]	6876	[3608, 9884]	10347	[12091, 7622]	13818	[12239, 6222]
3406	[5910, 5911]	6877	[9885, 9886]	10348	[7652, 8242]	13819	[12556, 1979]
3407	[5912, 5913]	6878	[9887, 9888]	10349	[6249, 2037]	13820	[7035, 13833]
3408	[5914, 3038]	6879	[9889, 9890]	10350	[7207, 7804]	13821	[2872, 13834]
3409	[2911, 2755]	6880	[9564, 8609]	10351	[7391, 6711]	13822	[13835, 10125]
3410	[5915, 5916]	6881	[9891, 9892]	10352	[8348, 12292]	13823	[8508, 13210]
3411	[3279, 5917]	6882	[9893, 9894]	10353	[551, 6663]	13824	[11238, 4492]
3412	[5918, 5919]	6883	[5403, 9895]	10354	[12487, 12305]	13825	[13510, 5311]
3413	[2090, 2917]	6884	[9896, 9897]	10355	[12274, 2425]	13826	[1820, 13836]
3414	[5920, 5921]	6885	[9898, 969]	10356	[12488, 8392]	13827	[10191, 13837]
3415	[5922, 5913]	6886	[9899, 317]	10357	[12489, 7591]	13828	[9585, 4625]
3416	[5923, 2696]	6887	[9900, 9901]	10358	[623, 787]	13829	[10880, 9930]
3417	[5924, 2028]	6888	[9601, 4623]	10359	[8050, 6648]	13830	[9157, 8891]
3418	[5925, 5926]	6889	[9902, 5375]	10360	[7448, 6201]	13831	[4558, 13662]
3419	[5927, 5928]	6890	[9903, 9904]	10361	[8186, 12107]	13832	[4147, 10095]
3420	[5929, 2786]	6891	[9538, 9905]	10362	[8186, 7267]	13833	[1521, 13659]
3421	[5930, 5931]	6892	[9906, 9907]	10363	[12020, 11657]	13834	[9882, 1646]

3422	[5932, 2186]	6893	[5635, 9908]	10364	[6531, 8354]	13835	[13838, 12415]
3423	[5933, 891]	6894	[9909, 9910]	10365	[6480, 6529]	13836	[1931, 13839]
3424	[5934, 5935]	6895	[9324, 9669]	10366	[7264, 6476]	13837	[11728, 13840]
3425	[5936, 5937]	6896	[9911, 9912]	10367	[6530, 6532]	13838	[13841, 4161]
3426	[671, 5938]	6897	[9913, 5437]	10368	[12024, 7603]	13839	[5743, 13842]
3427	[5939, 892]	6898	[5663, 9914]	10369	[6768, 7294]	13840	[13134, 11292]
3428	[5940, 5941]	6899	[1272, 9915]	10370	[7047, 11739]	13841	[13843, 2033]
3429	[5942, 5943]	6900	[1158, 4480]	10371	[2096, 5929]	13842	[2617, 13844]
3430	[2361, 5944]	6901	[9916, 9917]	10372	[6415, 7462]	13843	[13845, 357]
3431	[2181, 5945]	6902	[9918, 4385]	10373	[7928, 7872]	13844	[4699, 13846]
3432	[5946, 5947]	6903	[9919, 9234]	10374	[2218, 8041]	13845	[13847, 704]
3433	[5948, 5949]	6904	[5327, 5049]	10375	[12490, 3286]	13846	[3194, 13848]
3434	[5950, 5951]	6905	[9920, 4897]	10376	[7683, 11777]	13847	[13849, 1363]
3435	[2350, 5952]	6906	[9921, 9922]	10377	[12491, 12492]	13848	[5804, 1644]
3436	[2382, 5953]	6907	[5195, 9923]	10378	[3278, 3295]	13849	[13850, 2572]
3437	[32, 5954]	6908	[9924, 9925]	10379	[6109, 12075]	13850	[13851, 4621]
3438	[5955, 5956]	6909	[5733, 5689]	10380	[2813, 12390]	13851	[13852, 7165]
3439	[5957, 5958]	6910	[9926, 9927]	10381	[7871, 8103]	13852	[13853, 1167]
3440	[5959, 5960]	6911	[9928, 9929]	10382	[6534, 7056]	13853	[13854, 2230]
3441	[5961, 2909]	6912	[9930, 9849]	10383	[918, 12493]	13854	[13855, 1658]
3442	[5962, 2291]	6913	[9931, 9891]	10384	[12494, 6727]	13855	[13856, 697]
3443	[5963, 5964]	6914	[9932, 9933]	10385	[12095, 11695]	13856	[13857, 8463]
3444	[5965, 5966]	6915	[9934, 8962]	10386	[12495, 839]	13857	[13858, 6729]
3445	[5967, 933]	6916	[9935, 5630]	10387	[12185, 7219]	13858	[13859, 1491]
3446	[708, 5968]	6917	[9843, 5307]	10388	[7740, 8296]	13859	[13860, 7460]
3447	[5969, 5970]	6918	[9936, 3773]	10389	[6967, 12104]	13860	[13861, 1356]
3448	[5971, 3019]	6919	[4877, 9207]	10390	[12106, 7263]	13861	[13862, 7240]
3449	[5972, 5973]	6920	[9937, 8672]	10391	[6529, 8161]	13862	[13863, 4676]
3450	[5974, 5975]	6921	[8869, 9335]	10392	[6530, 8185]	13863	[13864, 7454]
3451	[5976, 910]	6922	[9938, 9939]	10393	[7491, 12496]	13864	[13865, 434]
3452	[5977, 5978]	6923	[9940, 5612]	10394	[7421, 6107]	13865	[13866, 841]
3453	[5979, 5980]	6924	[9941, 9942]	10395	[2408, 583]	13866	[13867, 1377]
3454	[5981, 2602]	6925	[4659, 9943]	10396	[11748, 7376]	13867	[13868, 12559]
3455	[5982, 5983]	6926	[9944, 9945]	10397	[12497, 2860]	13868	[13869, 4572]
3456	[2410, 5984]	6927	[9946, 3598]	10398	[187, 12498]	13869	[13870, 2639]
3457	[5985, 5986]	6928	[9947, 5669]	10399	[7218, 7134]	13870	[13871, 1231]
3458	[5987, 5988]	6929	[9948, 5591]	10400	[6960, 5904]	13871	[13872, 2344]
3459	[5989, 2155]	6930	[9949, 9449]	10401	[8058, 2519]	13872	[13873, 4227]
3460	[1975, 817]	6931	[9683, 9950]	10402	[1991, 883]	13873	[13874, 764]
3461	[5990, 2772]	6932	[5484, 9951]	10403	[12230, 2017]	13874	[13875, 4092]
3462	[5991, 5992]	6933	[9952, 1300]	10404	[12499, 12500]	13875	[13876, 6996]
3463	[5993, 5994]	6934	[9953, 9080]	10405	[2739, 6276]	13876	[13877, 5530]
3464	[5995, 5996]	6935	[9954, 9955]	10406	[2316, 857]	13877	[13878, 6773]
3465	[2316, 5997]	6936	[9956, 9957]	10407	[2289, 5920]	13878	[13879, 8706]

3466	[221, 5998]	6937	[1139, 1538]	10408	[12015, 2624]	13879	[13880, 11867]
3467	[5999, 3154]	6938	[9958, 9959]	10409	[12501, 6633]	13880	[13881, 3704]
3468	[6000, 6001]	6939	[3496, 9960]	10410	[12502, 7023]	13881	[7, 913]
3469	[5890, 6002]	6940	[9961, 9962]	10411	[12143, 11703]		
3470	[6003, 6004]	6941	[9963, 9964]	10412	[8188, 2688]		

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	2314	0	4628	1	6942	1	9256	0	11570	1
1	0	2315	0	4629	0	6943	1	9257	1	11571	0
2	0	2316	1	4630	0	6944	1	9258	1	11572	0
3	0	2317	1	4631	1	6945	0	9259	1	11573	0
4	0	2318	0	4632	1	6946	1	9260	0	11574	1
5	0	2319	0	4633	0	6947	1	9261	0	11575	0
6	0	2320	1	4634	0	6948	0	9262	1	11576	1
7	0	2321	1	4635	1	6949	1	9263	0	11577	1
8	1	2322	0	4636	0	6950	1	9264	0	11578	1
9	0	2323	0	4637	1	6951	1	9265	1	11579	0
10	1	2324	1	4638	1	6952	1	9266	0	11580	0
11	0	2325	0	4639	1	6953	0	9267	0	11581	1
12	1	2326	0	4640	1	6954	1	9268	0	11582	0
13	0	2327	1	4641	0	6955	1	9269	1	11583	0
14	0	2328	1	4642	0	6956	1	9270	1	11584	0
15	0	2329	1	4643	0	6957	1	9271	0	11585	0
16	0	2330	1	4644	1	6958	1	9272	0	11586	0
17	1	2331	1	4645	0	6959	1	9273	1	11587	0
18	1	2332	0	4646	0	6960	0	9274	0	11588	0
19	0	2333	0	4647	1	6961	0	9275	1	11589	1
20	0	2334	1	4648	1	6962	1	9276	0	11590	1
21	1	2335	1	4649	1	6963	0	9277	0	11591	1
22	1	2336	1	4650	0	6964	0	9278	1	11592	0
23	0	2337	0	4651	1	6965	1	9279	1	11593	0
24	0	2338	1	4652	0	6966	1	9280	0	11594	1
25	1	2339	0	4653	0	6967	1	9281	0	11595	1
26	1	2340	1	4654	0	6968	0	9282	0	11596	0
27	0	2341	1	4655	0	6969	0	9283	0	11597	0
28	0	2342	1	4656	0	6970	1	9284	1	11598	0
29	0	2343	0	4657	1	6971	1	9285	0	11599	1
30	0	2344	0	4658	1	6972	0	9286	1	11600	0
31	0	2345	1	4659	1	6973	1	9287	0	11601	1
32	0	2346	1	4660	1	6974	1	9288	0	11602	1
33	0	2347	0	4661	1	6975	0	9289	0	11603	1
34	0	2348	1	4662	1	6976	0	9290	1	11604	0
35	1	2349	0	4663	1	6977	0	9291	1	11605	1

36	1	2350	0	4664	0	6978	0	9292	1	11606	0
37	1	2351	1	4665	0	6979	0	9293	0	11607	0
38	1	2352	1	4666	0	6980	1	9294	1	11608	1
39	0	2353	0	4667	1	6981	1	9295	0	11609	1
40	1	2354	0	4668	1	6982	1	9296	1	11610	1
41	0	2355	1	4669	0	6983	1	9297	0	11611	1
42	0	2356	1	4670	1	6984	1	9298	1	11612	0
43	1	2357	0	4671	1	6985	1	9299	1	11613	1
44	0	2358	1	4672	0	6986	0	9300	0	11614	0
45	1	2359	1	4673	1	6987	1	9301	1	11615	0
46	0	2360	1	4674	1	6988	0	9302	1	11616	1
47	0	2361	0	4675	0	6989	1	9303	1	11617	1
48	1	2362	0	4676	0	6990	1	9304	0	11618	1
49	0	2363	1	4677	0	6991	1	9305	0	11619	0
50	0	2364	0	4678	0	6992	1	9306	0	11620	0
51	1	2365	0	4679	1	6993	1	9307	0	11621	1
52	1	2366	1	4680	0	6994	0	9308	0	11622	0
53	1	2367	1	4681	1	6995	1	9309	1	11623	0
54	1	2368	0	4682	1	6996	0	9310	0	11624	0
55	0	2369	1	4683	0	6997	0	9311	0	11625	1
56	1	2370	1	4684	0	6998	0	9312	0	11626	0
57	0	2371	1	4685	0	6999	1	9313	1	11627	1
58	1	2372	1	4686	1	7000	0	9314	0	11628	0
59	0	2373	1	4687	0	7001	0	9315	0	11629	0
60	1	2374	1	4688	1	7002	1	9316	0	11630	1
61	0	2375	1	4689	0	7003	1	9317	0	11631	0
62	1	2376	1	4690	0	7004	0	9318	1	11632	1
63	0	2377	0	4691	1	7005	1	9319	1	11633	0
64	1	2378	1	4692	0	7006	0	9320	0	11634	0
65	0	2379	1	4693	1	7007	0	9321	0	11635	1
66	0	2380	0	4694	0	7008	1	9322	1	11636	1
67	0	2381	1	4695	1	7009	0	9323	0	11637	0
68	0	2382	1	4696	0	7010	0	9324	0	11638	0
69	0	2383	0	4697	1	7011	0	9325	1	11639	1
70	1	2384	1	4698	0	7012	0	9326	1	11640	1
71	1	2385	1	4699	0	7013	0	9327	1	11641	1
72	1	2386	0	4700	1	7014	0	9328	1	11642	0
73	1	2387	1	4701	1	7015	1	9329	1	11643	0
74	0	2388	0	4702	1	7016	0	9330	0	11644	0
75	1	2389	0	4703	0	7017	1	9331	0	11645	0
76	0	2390	1	4704	0	7018	0	9332	1	11646	0
77	1	2391	0	4705	0	7019	0	9333	1	11647	1
78	1	2392	0	4706	0	7020	1	9334	1	11648	1
79	0	2393	0	4707	0	7021	0	9335	1	11649	1

80	1	2394	0	4708	0	7022	1	9336	1	11650	1
81	1	2395	0	4709	1	7023	0	9337	1	11651	1
82	0	2396	1	4710	1	7024	1	9338	1	11652	0
83	0	2397	1	4711	0	7025	1	9339	0	11653	1
84	1	2398	0	4712	0	7026	1	9340	1	11654	0
85	0	2399	0	4713	1	7027	0	9341	1	11655	1
86	0	2400	1	4714	1	7028	0	9342	1	11656	1
87	1	2401	1	4715	1	7029	0	9343	0	11657	0
88	1	2402	1	4716	1	7030	1	9344	1	11658	1
89	0	2403	0	4717	1	7031	1	9345	1	11659	0
90	0	2404	1	4718	0	7032	0	9346	1	11660	1
91	1	2405	1	4719	1	7033	1	9347	1	11661	0
92	0	2406	1	4720	1	7034	1	9348	0	11662	0
93	0	2407	1	4721	1	7035	1	9349	0	11663	1
94	1	2408	0	4722	1	7036	0	9350	0	11664	1
95	0	2409	1	4723	1	7037	1	9351	1	11665	0
96	1	2410	0	4724	1	7038	1	9352	1	11666	0
97	1	2411	1	4725	1	7039	0	9353	0	11667	1
98	0	2412	0	4726	1	7040	0	9354	1	11668	1
99	0	2413	1	4727	1	7041	1	9355	1	11669	0
100	0	2414	0	4728	0	7042	0	9356	1	11670	1
101	0	2415	1	4729	0	7043	0	9357	1	11671	0
102	1	2416	0	4730	1	7044	0	9358	1	11672	1
103	1	2417	1	4731	0	7045	1	9359	0	11673	1
104	0	2418	0	4732	0	7046	0	9360	1	11674	1
105	1	2419	0	4733	0	7047	1	9361	1	11675	0
106	1	2420	0	4734	0	7048	1	9362	0	11676	0
107	1	2421	1	4735	1	7049	1	9363	1	11677	1
108	1	2422	1	4736	0	7050	1	9364	0	11678	0
109	1	2423	0	4737	1	7051	0	9365	1	11679	1
110	0	2424	1	4738	0	7052	0	9366	1	11680	0
111	0	2425	1	4739	0	7053	1	9367	1	11681	0
112	1	2426	0	4740	0	7054	1	9368	1	11682	0
113	1	2427	0	4741	1	7055	0	9369	1	11683	1
114	1	2428	0	4742	0	7056	1	9370	1	11684	0
115	0	2429	0	4743	0	7057	1	9371	0	11685	0
116	0	2430	0	4744	1	7058	0	9372	1	11686	0
117	1	2431	0	4745	1	7059	0	9373	1	11687	1
118	1	2432	0	4746	0	7060	1	9374	1	11688	0
119	0	2433	0	4747	0	7061	0	9375	0	11689	1
120	0	2434	0	4748	1	7062	1	9376	0	11690	0
121	1	2435	1	4749	0	7063	1	9377	0	11691	1
122	0	2436	0	4750	0	7064	0	9378	1	11692	0
123	0	2437	1	4751	1	7065	0	9379	0	11693	1

124	1	2438	0	4752	0	7066	1	9380	0	11694	1
125	1	2439	1	4753	0	7067	1	9381	0	11695	0
126	1	2440	0	4754	1	7068	1	9382	1	11696	0
127	0	2441	1	4755	1	7069	0	9383	0	11697	1
128	1	2442	0	4756	1	7070	0	9384	1	11698	0
129	1	2443	0	4757	1	7071	0	9385	0	11699	1
130	1	2444	1	4758	0	7072	0	9386	0	11700	0
131	0	2445	0	4759	0	7073	0	9387	0	11701	1
132	1	2446	0	4760	1	7074	1	9388	0	11702	0
133	0	2447	0	4761	1	7075	0	9389	1	11703	1
134	1	2448	0	4762	0	7076	0	9390	0	11704	0
135	0	2449	1	4763	1	7077	0	9391	1	11705	1
136	1	2450	1	4764	1	7078	0	9392	1	11706	1
137	0	2451	0	4765	1	7079	1	9393	1	11707	1
138	0	2452	0	4766	1	7080	1	9394	0	11708	1
139	0	2453	1	4767	1	7081	1	9395	1	11709	1
140	1	2454	0	4768	0	7082	0	9396	0	11710	1
141	1	2455	1	4769	0	7083	1	9397	0	11711	0
142	0	2456	0	4770	1	7084	0	9398	1	11712	0
143	1	2457	1	4771	0	7085	0	9399	1	11713	1
144	1	2458	1	4772	1	7086	1	9400	0	11714	1
145	1	2459	1	4773	0	7087	0	9401	0	11715	1
146	0	2460	1	4774	1	7088	0	9402	1	11716	0
147	1	2461	0	4775	0	7089	0	9403	1	11717	0
148	1	2462	0	4776	1	7090	0	9404	0	11718	1
149	0	2463	1	4777	1	7091	0	9405	0	11719	0
150	0	2464	0	4778	0	7092	0	9406	0	11720	1
151	1	2465	0	4779	1	7093	1	9407	0	11721	1
152	1	2466	0	4780	1	7094	1	9408	1	11722	0
153	0	2467	0	4781	0	7095	0	9409	1	11723	1
154	0	2468	0	4782	0	7096	1	9410	0	11724	1
155	1	2469	0	4783	1	7097	0	9411	0	11725	1
156	0	2470	1	4784	1	7098	0	9412	1	11726	0
157	1	2471	0	4785	1	7099	1	9413	0	11727	0
158	0	2472	0	4786	1	7100	1	9414	0	11728	1
159	0	2473	1	4787	1	7101	0	9415	1	11729	1
160	1	2474	1	4788	0	7102	1	9416	0	11730	0
161	1	2475	1	4789	1	7103	0	9417	1	11731	1
162	0	2476	0	4790	0	7104	1	9418	1	11732	0
163	1	2477	0	4791	0	7105	0	9419	1	11733	1
164	0	2478	1	4792	1	7106	1	9420	0	11734	0
165	0	2479	0	4793	1	7107	1	9421	1	11735	1
166	1	2480	1	4794	1	7108	1	9422	1	11736	1
167	0	2481	0	4795	0	7109	0	9423	0	11737	1

168	1	2482	1	4796	0	7110	0	9424	1	11738	0
169	1	2483	0	4797	0	7111	0	9425	1	11739	1
170	1	2484	0	4798	0	7112	0	9426	0	11740	0
171	0	2485	0	4799	1	7113	1	9427	1	11741	0
172	1	2486	1	4800	0	7114	0	9428	1	11742	0
173	0	2487	0	4801	0	7115	1	9429	0	11743	0
174	0	2488	0	4802	0	7116	1	9430	1	11744	0
175	1	2489	0	4803	1	7117	0	9431	1	11745	0
176	0	2490	1	4804	0	7118	1	9432	0	11746	0
177	1	2491	1	4805	1	7119	1	9433	1	11747	1
178	1	2492	0	4806	1	7120	0	9434	0	11748	1
179	0	2493	1	4807	0	7121	0	9435	1	11749	1
180	0	2494	0	4808	0	7122	0	9436	0	11750	0
181	0	2495	0	4809	0	7123	1	9437	0	11751	1
182	0	2496	0	4810	0	7124	0	9438	1	11752	1
183	1	2497	1	4811	1	7125	1	9439	0	11753	0
184	0	2498	1	4812	1	7126	0	9440	1	11754	1
185	0	2499	0	4813	1	7127	0	9441	0	11755	1
186	1	2500	0	4814	0	7128	0	9442	1	11756	1
187	0	2501	1	4815	0	7129	0	9443	0	11757	1
188	0	2502	1	4816	1	7130	0	9444	0	11758	0
189	1	2503	1	4817	0	7131	1	9445	0	11759	0
190	1	2504	0	4818	0	7132	0	9446	1	11760	1
191	0	2505	0	4819	0	7133	1	9447	0	11761	1
192	0	2506	0	4820	1	7134	1	9448	1	11762	1
193	1	2507	0	4821	0	7135	0	9449	0	11763	0
194	1	2508	0	4822	1	7136	0	9450	0	11764	1
195	0	2509	1	4823	0	7137	1	9451	0	11765	0
196	0	2510	1	4824	1	7138	0	9452	1	11766	0
197	1	2511	0	4825	1	7139	0	9453	1	11767	0
198	0	2512	1	4826	0	7140	0	9454	0	11768	0
199	0	2513	0	4827	1	7141	0	9455	1	11769	0
200	0	2514	0	4828	1	7142	0	9456	1	11770	1
201	0	2515	1	4829	1	7143	0	9457	0	11771	0
202	1	2516	1	4830	0	7144	0	9458	0	11772	0
203	1	2517	0	4831	1	7145	0	9459	0	11773	0
204	0	2518	1	4832	0	7146	0	9460	1	11774	0
205	1	2519	1	4833	0	7147	1	9461	0	11775	0
206	0	2520	1	4834	1	7148	1	9462	0	11776	0
207	0	2521	0	4835	0	7149	0	9463	0	11777	1
208	1	2522	0	4836	0	7150	0	9464	0	11778	1
209	1	2523	1	4837	0	7151	1	9465	0	11779	0
210	0	2524	1	4838	1	7152	1	9466	0	11780	1
211	1	2525	1	4839	1	7153	0	9467	0	11781	1

212	0	2526	1	4840	0	7154	1	9468	0	11782	0
213	1	2527	0	4841	0	7155	0	9469	1	11783	1
214	1	2528	1	4842	1	7156	0	9470	0	11784	0
215	1	2529	0	4843	0	7157	0	9471	0	11785	0
216	1	2530	0	4844	0	7158	0	9472	0	11786	1
217	1	2531	0	4845	1	7159	1	9473	0	11787	1
218	0	2532	1	4846	0	7160	1	9474	0	11788	1
219	0	2533	0	4847	0	7161	0	9475	1	11789	1
220	0	2534	0	4848	1	7162	0	9476	0	11790	0
221	0	2535	0	4849	1	7163	1	9477	0	11791	1
222	1	2536	0	4850	0	7164	1	9478	0	11792	0
223	1	2537	1	4851	0	7165	0	9479	1	11793	0
224	0	2538	1	4852	1	7166	1	9480	0	11794	1
225	1	2539	0	4853	1	7167	1	9481	1	11795	1
226	0	2540	1	4854	0	7168	1	9482	1	11796	1
227	1	2541	1	4855	1	7169	1	9483	0	11797	1
228	1	2542	1	4856	1	7170	1	9484	0	11798	1
229	0	2543	1	4857	1	7171	0	9485	0	11799	0
230	1	2544	0	4858	1	7172	0	9486	1	11800	0
231	0	2545	0	4859	1	7173	0	9487	1	11801	0
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233	1	2547	0	4861	0	7175	1	9489	1	11803	1
234	1	2548	0	4862	1	7176	0	9490	0	11804	0
235	1	2549	0	4863	0	7177	1	9491	1	11805	0
236	0	2550	0	4864	1	7178	0	9492	0	11806	0
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238	0	2552	1	4866	0	7180	1	9494	0	11808	1
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242	0	2556	0	4870	0	7184	0	9498	0	11812	0
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244	0	2558	0	4872	1	7186	0	9500	1	11814	0
245	1	2559	1	4873	0	7187	1	9501	1	11815	0
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248	1	2562	0	4876	1	7190	1	9504	1	11818	0
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250	1	2564	1	4878	0	7192	1	9506	0	11820	1
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252	0	2566	1	4880	0	7194	0	9508	1	11822	1
253	0	2567	0	4881	1	7195	0	9509	0	11823	1
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256	1	2570	1	4884	1	7198	0	9512	1	11826	0
257	0	2571	0	4885	0	7199	1	9513	0	11827	1
258	1	2572	1	4886	0	7200	1	9514	0	11828	1
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261	1	2575	0	4889	1	7203	0	9517	1	11831	0
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266	1	2580	0	4894	1	7208	1	9522	0	11836	0
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503	1	2817	0	5131	0	7445	0	9759	1	12073	1
504	1	2818	1	5132	1	7446	1	9760	1	12074	1
505	0	2819	0	5133	1	7447	1	9761	1	12075	1
506	0	2820	1	5134	0	7448	0	9762	0	12076	0
507	1	2821	1	5135	0	7449	1	9763	1	12077	0
508	1	2822	0	5136	1	7450	0	9764	0	12078	0
509	0	2823	0	5137	1	7451	1	9765	1	12079	1
510	0	2824	1	5138	1	7452	0	9766	1	12080	1
511	0	2825	1	5139	0	7453	0	9767	1	12081	0
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513	1	2827	1	5141	0	7455	0	9769	1	12083	0
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515	1	2829	0	5143	1	7457	1	9771	0	12085	0
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517	1	2831	0	5145	1	7459	0	9773	1	12087	1
518	1	2832	1	5146	1	7460	1	9774	0	12088	0
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520	1	2834	0	5148	0	7462	1	9776	0	12090	1
521	1	2835	1	5149	1	7463	1	9777	0	12091	0
522	0	2836	1	5150	1	7464	1	9778	0	12092	0
523	1	2837	0	5151	1	7465	1	9779	0	12093	0
524	1	2838	0	5152	1	7466	0	9780	1	12094	1
525	1	2839	0	5153	1	7467	0	9781	0	12095	1
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527	0	2841	0	5155	0	7469	1	9783	0	12097	1
528	0	2842	0	5156	1	7470	0	9784	1	12098	0
529	0	2843	0	5157	0	7471	0	9785	1	12099	1
530	1	2844	1	5158	1	7472	1	9786	0	12100	1
531	1	2845	1	5159	0	7473	0	9787	0	12101	0
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535	0	2849	0	5163	0	7477	0	9791	1	12105	1
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540	0	2854	1	5168	1	7482	1	9796	1	12110	0
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544	1	2858	1	5172	1	7486	1	9800	0	12114	1
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550	1	2864	1	5178	0	7492	1	9806	1	12120	0
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561	0	2875	1	5189	1	7503	0	9817	1	12131	1
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566	0	2880	0	5194	0	7508	0	9822	1	12136	0
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718	1	3032	1	5346	0	7660	0	9974	0	12288	1
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759	0	3073	0	5387	0	7701	1	10015	0	12329	1
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762	0	3076	1	5390	0	7704	0	10018	1	12332	1
763	1	3077	1	5391	1	7705	0	10019	1	12333	1
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766	1	3080	1	5394	1	7708	0	10022	1	12336	0
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776	0	3090	0	5404	1	7718	1	10032	0	12346	0
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782	1	3096	1	5410	1	7724	1	10038	0	12352	1
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787	1	3101	1	5415	0	7729	1	10043	1	12357	1
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795	0	3109	1	5423	0	7737	1	10051	0	12365	0
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1305	1	3619	1	5933	1	8247	1	10561	1	12875	0
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1564	1	3878	1	6192	0	8506	1	10820	0	13134	1
1565	0	3879	1	6193	1	8507	0	10821	1	13135	1
1566	1	3880	1	6194	0	8508	0	10822	1	13136	0
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1571	1	3885	1	6199	1	8513	1	10827	1	13141	1
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1579	1	3893	0	6207	1	8521	1	10835	0	13149	1
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1586	0	3900	1	6214	0	8528	0	10842	1	13156	0
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1615	0	3929	0	6243	1	8557	1	10871	0	13185	0
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1617	0	3931	0	6245	0	8559	0	10873	1	13187	0
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1625	1	3939	1	6253	1	8567	1	10881	1	13195	0
1626	0	3940	0	6254	1	8568	0	10882	1	13196	0
1627	1	3941	1	6255	0	8569	0	10883	0	13197	1
1628	1	3942	0	6256	0	8570	0	10884	0	13198	0
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1630	0	3944	1	6258	0	8572	1	10886	1	13200	0
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1640	1	3954	0	6268	1	8582	0	10896	1	13210	0
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1642	0	3956	1	6270	0	8584	1	10898	0	13212	1
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1703	1	4017	1	6331	0	8645	1	10959	0	13273	0
1704	1	4018	1	6332	1	8646	0	10960	1	13274	1
1705	1	4019	1	6333	0	8647	0	10961	0	13275	1
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1713	1	4027	1	6341	1	8655	0	10969	1	13283	0
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1715	0	4029	1	6343	1	8657	1	10971	1	13285	1
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1740	0	4054	1	6368	1	8682	0	10996	0	13310	1
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1825	1	4139	1	6453	1	8767	0	11081	1	13395	1
1826	0	4140	0	6454	0	8768	1	11082	0	13396	1
1827	0	4141	1	6455	0	8769	1	11083	0	13397	1
1828	1	4142	1	6456	1	8770	1	11084	1	13398	0
1829	1	4143	1	6457	1	8771	0	11085	0	13399	1
1830	1	4144	0	6458	0	8772	0	11086	0	13400	0
1831	1	4145	1	6459	1	8773	0	11087	1	13401	1
1832	0	4146	0	6460	0	8774	0	11088	1	13402	0
1833	0	4147	1	6461	1	8775	0	11089	0	13403	0
1834	0	4148	1	6462	1	8776	1	11090	0	13404	0
1835	1	4149	1	6463	0	8777	1	11091	1	13405	1
1836	0	4150	1	6464	0	8778	0	11092	0	13406	1
1837	1	4151	1	6465	1	8779	1	11093	1	13407	0
1838	1	4152	1	6466	0	8780	1	11094	1	13408	0
1839	1	4153	1	6467	1	8781	1	11095	0	13409	0

1840	0	4154	0	6468	0	8782	0	11096	1	13410	0
1841	1	4155	1	6469	0	8783	0	11097	1	13411	0
1842	1	4156	0	6470	1	8784	1	11098	0	13412	0
1843	1	4157	0	6471	1	8785	1	11099	1	13413	1
1844	0	4158	0	6472	0	8786	0	11100	1	13414	1
1845	1	4159	0	6473	0	8787	1	11101	0	13415	0
1846	0	4160	0	6474	1	8788	1	11102	1	13416	1
1847	0	4161	0	6475	1	8789	0	11103	1	13417	0
1848	1	4162	1	6476	1	8790	1	11104	1	13418	1
1849	1	4163	0	6477	0	8791	0	11105	1	13419	0
1850	0	4164	1	6478	1	8792	0	11106	1	13420	0
1851	0	4165	1	6479	1	8793	1	11107	1	13421	1
1852	1	4166	1	6480	1	8794	1	11108	0	13422	0
1853	0	4167	1	6481	1	8795	0	11109	1	13423	1
1854	0	4168	1	6482	1	8796	0	11110	1	13424	0
1855	1	4169	0	6483	0	8797	1	11111	1	13425	1
1856	0	4170	0	6484	0	8798	1	11112	0	13426	1
1857	0	4171	1	6485	0	8799	0	11113	0	13427	0
1858	1	4172	0	6486	0	8800	1	11114	1	13428	1
1859	1	4173	1	6487	1	8801	0	11115	0	13429	0
1860	1	4174	1	6488	1	8802	1	11116	0	13430	0
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1862	1	4176	1	6490	1	8804	0	11118	1	13432	1
1863	0	4177	1	6491	0	8805	0	11119	1	13433	0
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1865	1	4179	0	6493	1	8807	0	11121	0	13435	1
1866	0	4180	1	6494	1	8808	1	11122	1	13436	0
1867	0	4181	0	6495	0	8809	1	11123	1	13437	1
1868	1	4182	1	6496	0	8810	1	11124	1	13438	0
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1870	0	4184	0	6498	1	8812	1	11126	0	13440	1
1871	1	4185	1	6499	0	8813	0	11127	1	13441	1
1872	1	4186	0	6500	0	8814	0	11128	1	13442	0
1873	1	4187	1	6501	0	8815	0	11129	0	13443	1
1874	1	4188	1	6502	1	8816	0	11130	1	13444	0
1875	1	4189	1	6503	0	8817	0	11131	0	13445	0
1876	1	4190	0	6504	0	8818	1	11132	0	13446	1
1877	1	4191	0	6505	0	8819	0	11133	0	13447	1
1878	1	4192	1	6506	0	8820	0	11134	0	13448	1
1879	1	4193	1	6507	0	8821	0	11135	1	13449	0
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1882	0	4196	0	6510	1	8824	1	11138	1	13452	1
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1887	0	4201	1	6515	1	8829	1	11143	0	13457	0
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1889	1	4203	0	6517	0	8831	0	11145	0	13459	0
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1896	0	4210	0	6524	1	8838	1	11152	1	13466	1
1897	0	4211	0	6525	0	8839	0	11153	0	13467	0
1898	0	4212	0	6526	1	8840	1	11154	0	13468	0
1899	0	4213	1	6527	1	8841	0	11155	0	13469	0
1900	1	4214	1	6528	0	8842	1	11156	0	13470	1
1901	1	4215	0	6529	0	8843	1	11157	0	13471	0
1902	0	4216	1	6530	1	8844	0	11158	1	13472	0
1903	1	4217	1	6531	1	8845	1	11159	0	13473	0
1904	1	4218	0	6532	1	8846	1	11160	0	13474	1
1905	0	4219	1	6533	0	8847	0	11161	1	13475	0
1906	1	4220	1	6534	1	8848	0	11162	1	13476	0
1907	1	4221	1	6535	0	8849	0	11163	0	13477	1
1908	0	4222	1	6536	0	8850	0	11164	0	13478	1
1909	0	4223	0	6537	0	8851	1	11165	0	13479	1
1910	0	4224	1	6538	0	8852	0	11166	0	13480	0
1911	1	4225	0	6539	1	8853	1	11167	1	13481	1
1912	0	4226	0	6540	1	8854	1	11168	0	13482	0
1913	1	4227	1	6541	1	8855	1	11169	0	13483	1
1914	1	4228	1	6542	0	8856	1	11170	0	13484	1
1915	1	4229	1	6543	0	8857	1	11171	0	13485	1
1916	1	4230	1	6544	1	8858	1	11172	1	13486	1
1917	1	4231	0	6545	0	8859	1	11173	0	13487	0
1918	0	4232	0	6546	0	8860	1	11174	0	13488	1
1919	1	4233	1	6547	0	8861	0	11175	0	13489	0
1920	0	4234	1	6548	0	8862	0	11176	1	13490	0
1921	1	4235	0	6549	0	8863	0	11177	0	13491	1
1922	1	4236	0	6550	0	8864	1	11178	1	13492	0
1923	1	4237	0	6551	1	8865	0	11179	0	13493	0
1924	1	4238	1	6552	0	8866	1	11180	1	13494	0
1925	1	4239	0	6553	1	8867	0	11181	1	13495	1
1926	0	4240	0	6554	1	8868	1	11182	0	13496	0
1927	1	4241	1	6555	0	8869	0	11183	1	13497	1

1928	1	4242	1	6556	1	8870	0	11184	0	13498	0
1929	0	4243	1	6557	0	8871	1	11185	1	13499	1
1930	1	4244	1	6558	1	8872	0	11186	1	13500	1
1931	1	4245	1	6559	1	8873	0	11187	0	13501	1
1932	0	4246	0	6560	0	8874	1	11188	1	13502	0
1933	1	4247	0	6561	1	8875	0	11189	1	13503	1
1934	1	4248	0	6562	1	8876	0	11190	0	13504	0
1935	1	4249	1	6563	0	8877	1	11191	1	13505	1
1936	1	4250	0	6564	0	8878	1	11192	0	13506	1
1937	0	4251	1	6565	0	8879	1	11193	1	13507	0
1938	0	4252	1	6566	0	8880	0	11194	1	13508	0
1939	0	4253	0	6567	1	8881	0	11195	1	13509	0
1940	1	4254	0	6568	1	8882	1	11196	0	13510	1
1941	0	4255	0	6569	0	8883	1	11197	1	13511	0
1942	0	4256	1	6570	0	8884	0	11198	0	13512	0
1943	1	4257	1	6571	0	8885	1	11199	0	13513	1
1944	0	4258	0	6572	0	8886	1	11200	1	13514	1
1945	0	4259	0	6573	0	8887	0	11201	1	13515	1
1946	1	4260	1	6574	1	8888	1	11202	1	13516	0
1947	1	4261	0	6575	0	8889	1	11203	1	13517	0
1948	1	4262	0	6576	1	8890	1	11204	1	13518	1
1949	1	4263	1	6577	1	8891	0	11205	0	13519	0
1950	1	4264	1	6578	1	8892	0	11206	1	13520	1
1951	0	4265	1	6579	1	8893	0	11207	1	13521	0
1952	1	4266	0	6580	1	8894	0	11208	0	13522	0
1953	0	4267	0	6581	1	8895	0	11209	1	13523	0
1954	1	4268	0	6582	1	8896	1	11210	1	13524	0
1955	1	4269	1	6583	0	8897	1	11211	0	13525	0
1956	1	4270	0	6584	0	8898	1	11212	0	13526	0
1957	1	4271	1	6585	1	8899	1	11213	0	13527	0
1958	1	4272	1	6586	0	8900	1	11214	0	13528	1
1959	0	4273	0	6587	1	8901	0	11215	1	13529	0
1960	0	4274	1	6588	0	8902	0	11216	1	13530	0
1961	0	4275	1	6589	0	8903	0	11217	1	13531	1
1962	0	4276	1	6590	1	8904	1	11218	0	13532	1
1963	0	4277	0	6591	0	8905	1	11219	0	13533	0
1964	1	4278	1	6592	1	8906	0	11220	1	13534	1
1965	0	4279	1	6593	0	8907	1	11221	1	13535	0
1966	1	4280	1	6594	0	8908	1	11222	1	13536	1
1967	0	4281	1	6595	0	8909	0	11223	0	13537	0
1968	1	4282	0	6596	0	8910	0	11224	1	13538	0
1969	1	4283	1	6597	1	8911	1	11225	0	13539	0
1970	1	4284	1	6598	1	8912	1	11226	0	13540	1
1971	0	4285	1	6599	1	8913	0	11227	0	13541	0

1972	0	4286	0	6600	1	8914	0	11228	1	13542	1
1973	0	4287	0	6601	1	8915	0	11229	1	13543	1
1974	1	4288	1	6602	0	8916	1	11230	1	13544	0
1975	1	4289	0	6603	1	8917	1	11231	1	13545	0
1976	1	4290	1	6604	0	8918	0	11232	1	13546	0
1977	1	4291	1	6605	1	8919	0	11233	0	13547	1
1978	1	4292	0	6606	0	8920	1	11234	1	13548	1
1979	1	4293	1	6607	0	8921	1	11235	0	13549	0
1980	1	4294	1	6608	0	8922	1	11236	1	13550	1
1981	0	4295	1	6609	1	8923	0	11237	0	13551	0
1982	1	4296	1	6610	0	8924	0	11238	1	13552	0
1983	0	4297	1	6611	1	8925	0	11239	0	13553	0
1984	0	4298	0	6612	1	8926	1	11240	1	13554	1
1985	1	4299	1	6613	0	8927	1	11241	0	13555	0
1986	0	4300	1	6614	0	8928	1	11242	1	13556	1
1987	1	4301	0	6615	0	8929	0	11243	0	13557	0
1988	0	4302	0	6616	0	8930	1	11244	1	13558	0
1989	0	4303	0	6617	0	8931	1	11245	1	13559	1
1990	0	4304	1	6618	1	8932	0	11246	1	13560	0
1991	0	4305	1	6619	0	8933	0	11247	0	13561	1
1992	1	4306	0	6620	0	8934	1	11248	0	13562	1
1993	0	4307	0	6621	1	8935	1	11249	1	13563	0
1994	0	4308	0	6622	0	8936	0	11250	0	13564	0
1995	1	4309	0	6623	1	8937	1	11251	1	13565	0
1996	1	4310	0	6624	1	8938	0	11252	0	13566	1
1997	0	4311	1	6625	0	8939	0	11253	0	13567	1
1998	1	4312	0	6626	1	8940	0	11254	0	13568	0
1999	0	4313	1	6627	0	8941	0	11255	0	13569	1
2000	0	4314	0	6628	0	8942	0	11256	1	13570	0
2001	0	4315	0	6629	1	8943	1	11257	0	13571	0
2002	1	4316	1	6630	1	8944	1	11258	0	13572	1
2003	0	4317	0	6631	0	8945	0	11259	1	13573	1
2004	1	4318	1	6632	0	8946	1	11260	1	13574	0
2005	1	4319	0	6633	1	8947	0	11261	1	13575	0
2006	1	4320	0	6634	1	8948	1	11262	1	13576	0
2007	0	4321	0	6635	1	8949	1	11263	0	13577	0
2008	1	4322	0	6636	0	8950	0	11264	1	13578	0
2009	1	4323	1	6637	0	8951	1	11265	0	13579	0
2010	1	4324	1	6638	1	8952	1	11266	1	13580	1
2011	0	4325	0	6639	1	8953	1	11267	0	13581	0
2012	1	4326	0	6640	0	8954	0	11268	1	13582	1
2013	0	4327	0	6641	1	8955	0	11269	0	13583	0
2014	0	4328	0	6642	1	8956	0	11270	1	13584	1
2015	0	4329	1	6643	1	8957	1	11271	1	13585	0

2016	0	4330	0	6644	1	8958	1	11272	0	13586	1
2017	0	4331	1	6645	1	8959	1	11273	0	13587	1
2018	1	4332	1	6646	1	8960	0	11274	0	13588	1
2019	0	4333	1	6647	0	8961	1	11275	1	13589	1
2020	1	4334	0	6648	0	8962	1	11276	1	13590	0
2021	1	4335	0	6649	1	8963	1	11277	1	13591	0
2022	0	4336	1	6650	0	8964	1	11278	1	13592	1
2023	0	4337	1	6651	1	8965	0	11279	0	13593	0
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2025	1	4339	0	6653	1	8967	1	11281	0	13595	0
2026	1	4340	1	6654	0	8968	1	11282	0	13596	1
2027	1	4341	0	6655	0	8969	0	11283	0	13597	1
2028	0	4342	0	6656	0	8970	1	11284	0	13598	0
2029	0	4343	0	6657	1	8971	0	11285	0	13599	0
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2031	1	4345	0	6659	0	8973	0	11287	0	13601	1
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2035	1	4349	1	6663	1	8977	1	11291	1	13605	0
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2038	1	4352	1	6666	1	8980	0	11294	1	13608	0
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2040	1	4354	0	6668	1	8982	1	11296	0	13610	0
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2042	0	4356	1	6670	0	8984	0	11298	1	13612	1
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2046	0	4360	0	6674	0	8988	1	11302	0	13616	0
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2049	1	4363	1	6677	1	8991	1	11305	0	13619	1
2050	1	4364	0	6678	0	8992	0	11306	0	13620	0
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2052	0	4366	0	6680	1	8994	0	11308	1	13622	0
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2062	0	4376	0	6690	0	9004	1	11318	0	13632	1
2063	0	4377	1	6691	1	9005	0	11319	1	13633	1
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2071	0	4385	1	6699	0	9013	0	11327	1	13641	0
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2073	1	4387	0	6701	1	9015	1	11329	0	13643	0
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2075	1	4389	0	6703	1	9017	0	11331	0	13645	0
2076	0	4390	0	6704	1	9018	0	11332	1	13646	1
2077	1	4391	0	6705	1	9019	0	11333	1	13647	0
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2079	1	4393	1	6707	0	9021	0	11335	0	13649	0
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2082	1	4396	0	6710	1	9024	1	11338	0	13652	1
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2084	1	4398	1	6712	0	9026	0	11340	1	13654	0
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2087	0	4401	0	6715	1	9029	0	11343	0	13657	1
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2092	0	4406	1	6720	0	9034	1	11348	1	13662	1
2093	0	4407	0	6721	1	9035	0	11349	1	13663	1
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2106	1	4420	1	6734	1	9048	0	11362	1	13676	0
2107	1	4421	0	6735	1	9049	0	11363	0	13677	1
2108	0	4422	1	6736	1	9050	1	11364	0	13678	0
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2114	0	4428	1	6742	1	9056	0	11370	1	13684	1
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2119	1	4433	0	6747	1	9061	1	11375	0	13689	0
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2126	1	4440	1	6754	1	9068	1	11382	1	13696	1
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