

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

$$(a, b) = (z^3 + z^2 + 1, z^4 + z^3 + z + 1)$$

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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 $(a, b) = (z^3 + z^2 + 1, z^4 + z^3 + z + 1)$.

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 $(a, b) = (z^3 + z^2 + 1, z^4 + z^3 + z + 1)$, 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 $\text{CF}(a, b)$,

$$p_0(z) = z^{21} + z^{19} + z^{15} + z^{13} + z^{11} + z^{10} + z^5 + z^3 + z + 1,$$

$$p_1(z) = z^{25} + z^{22} + z^{21} + z^{19} + z^{17} + z^{16} + z^{15} + z^{12} + z^{10} + z^9 + z^8 + z^7 + z^4 + z,$$

$$p_2(z) = z^{28} + z^{22} + z^{20} + z^{16} + z^{12} + z^4 + z^2 + 1,$$

$$p_3(z) = z^{25} + z^{22} + z^{21} + z^{19} + z^{17} + z^{16} + z^{15} + z^{12} + z^{10} + z^9 + z^8 + z^7 + z^4 + z,$$

$$p_4(z) = z^{22} + z^{21} + z^{19} + z^{15} + z^{13} + z^{11} + z^{10} + z^5 + z^4 + z^3 + z^2 + z + 1,$$

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

$$p_0(z) = z^{21} + z^{19} + z^{16} + z^{15} + z^{13} + z^{11} + z^{10} + z^8 + z^5 + z^4 + z^3 + z + 1,$$

$$p_1(z) = z^{25} + z^{22} + z^{21} + z^{19} + z^{17} + z^{16} + z^{15} + z^{12} + z^{10} + z^9 + z^8 + z^7 + z^4 + z,$$

$$p_2(z) = z^{28} + z^{22} + z^{20} + z^{16} + z^{12} + z^4 + z^2 + 1,$$

$$p_3(z) = z^{25} + z^{22} + z^{21} + z^{19} + z^{17} + z^{16} + z^{15} + z^{12} + z^{10} + z^9 + z^8 + z^7 + z^4 + z,$$

$$p_4(z) = z^{22} + z^{21} + z^{19} + z^{16} + z^{15} + z^{13} + z^{11} + z^{10} + z^8 + z^5 + z^3 + z^2 + z + 1$$

2. PROOF

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

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

By the basic properties of continued fractions, we have

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

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

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

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

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

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

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

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

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

for some positive integer d_n . Hence,

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

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

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

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

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

of the vector

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

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

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

Lemma 2.1. *We have*

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

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

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

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

Proof. We give the proof of the identity

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

the proofs of the others being similar.

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

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

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

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

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

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

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

Define

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

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

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

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

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

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

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

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

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

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

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

which can be rewritten as

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

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

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

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 13427 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

$$\begin{aligned}
(2.21) \quad 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\
&+ \tau(A(s, 111)),
\end{aligned}$$

$$\begin{aligned}
(2.22) \quad 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
&+ \tau(A(s, 110)) + \tau(A(s, 1000)),
\end{aligned}$$

$$\begin{aligned}
(2.23) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
& \quad + \tau(A(s, 1001)), \\
(2.24) \quad & 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\
& \quad + \tau(A(s, 1010)), \\
(2.25) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\
& \quad + \tau(A(s, 110)) + \tau(A(s, 1011)), \\
(2.26) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) \\
& \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1100)), \\
(2.27) \quad & 0 = \tau(A(s, 1)) + \tau(A(s, 110)) + \tau(A(s, 1101)),
\end{aligned}$$

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

$$\begin{aligned}
(2.28) \quad & 1 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\
& \quad + \tau(A(s, 111)), \\
(2.29) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
& \quad + \tau(A(s, 110)) + \tau(A(s, 1000)), \\
(2.30) \quad & 1 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
& \quad + \tau(A(s, 1001)), \\
(2.31) \quad & 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\
& \quad + \tau(A(s, 1010)), \\
(2.32) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\
& \quad + \tau(A(s, 110)) + \tau(A(s, 1011)), \\
(2.33) \quad & 1 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) \\
& \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1100)), \\
(2.34) \quad & 1 = \tau(A(s, 1)) + \tau(A(s, 110)) + \tau(A(s, 1101)),
\end{aligned}$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{34}), E_{34}) = (A(i, 0^{20}), E_{20})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 17$, which turns out to be true. $\square$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\begin{aligned} q_0(x) &= x^{28} + x^{27} + x^{25} + x^{23} + x^{18} + x^{17} + x^{15} + x^{13} + x^9 + x^7, \\ q_1(x) &= x^{27} + x^{24} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{13} + x^{12} + x^{11} + x^9 + x^7 \\ &\quad + x^6 + x^3, \\ q_2(x) &= x^{28} + x^{26} + x^{24} + x^{16} + x^{12} + x^8 + x^6 + 1, \\ q_3(x) &= x^{27} + x^{24} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{13} + x^{12} + x^{11} + x^9 + x^7 \\ &\quad + x^6 + x^3, \\ q_4(x) &= x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{18} + x^{17} + x^{15} + x^{13} + x^9 + x^7 \\ &\quad + x^6. \end{aligned}$$

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

$$\begin{aligned} p_0(x) &= x^{150} + x^{148} + x^{146} + x^{140} + x^{136} + x^{130} + x^{126} + x^{118} + x^{114} + x^{112} \\ &\quad + x^{110} + x^{108} + x^{98} + x^{96} + x^{92} + x^{90} + x^{86} + x^{82} + x^{78} + x^{76} + x^{74} \\ &\quad + x^{72} + x^{64} + x^{62} + x^{58} + x^{56} + x^{52} + x^{50} + x^{36}, \\ p_3(x) &= x^{148} + x^{146} + x^{140} + x^{138} + x^{136} + x^{134} + x^{132} + x^{126} + x^{120} + x^{118} \\ &\quad + x^{114} + x^{112} + x^{110} + x^{102} + x^{98} + x^{92} + x^{82} + x^{80} + x^{72} + x^{70} \\ &\quad + x^{68} + x^{66} + x^{64} + x^{62} + x^{58} + x^{56} + x^{52} + x^{50} + x^{44} + x^{42} + x^{36} \\ &\quad + x^{34} + x^{32} + x^{28} + x^{22} + x^{20}, \\ p_6(x) &= x^{148} + x^{136} + x^{134} + x^{130} + x^{110} + x^{106} + x^{104} + x^{102} + x^{94} + x^{90} \\ &\quad + x^{88} + x^{84} + x^{68} + x^{64} + x^{60} + x^{56} + x^{54} + x^{52} + x^{46} + x^{44} + x^{40} \\ &\quad + x^{38} + x^{36} + x^{32} + x^{28} + x^{24} + x^{22} + x^{20} + x^{18} + x^{16} + x^{12} + x^{10} \\ &\quad + x^2 + 1, \\ p_9(x) &= x^{148} + x^{146} + x^{144} + x^{138} + x^{134} + x^{132} + x^{130} + x^{128} + x^{124} + x^{108} \end{aligned}$$

$$\begin{aligned}
& + x^{106} + x^{104} + x^{102} + x^{100} + x^{94} + x^{92} + x^{82} + x^{80} + x^{74} + x^{72} \\
& + x^{70} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} \\
& + x^{38} + x^{32} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{12} + x^8 + x^6, \\
p_{12}(x) = & x^{150} + x^{146} + x^{144} + x^{142} + x^{138} + x^{136} + x^{126} + x^{122} + x^{120} + x^{118} \\
& + x^{114} + x^{112} + x^{102} + x^{98} + x^{96} + x^{94} + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} \\
& + x^{54} + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} + x^{30} + x^{26} + x^{24} + x^{14} + x^{10} \\
& + x^8 + x^6 + x^2 + 1,
\end{aligned}$$

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^{146} + x^{145} + x^{143} + x^{141} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} \\
& + x^{130} + x^{128} + x^{125} + x^{122} + x^{121} + x^{120} + x^{119} + x^{118} + x^{117} \\
& + x^{116} + x^{114} + x^{113} + x^{111} + x^{107} + x^{105} + x^{104} + x^{103} + x^{101} \\
& + x^{99} + x^{98} + x^{97} + x^{93} + x^{91} + x^{89} + x^{88} + x^{85} + x^{84} + x^{83} + x^{79} \\
& + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{68} + x^{67} + x^{65} + x^{62} + x^{60} + x^{58} \\
& + x^{57} + x^{56} + x^{54} + x^{47} + x^{44} + x^{43} + x^{41} + x^{40} + x^{39}, \\
p_3(x) = & x^{138} + x^{137} + x^{136} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} + x^{125} + x^{122} \\
& + x^{121} + x^{119} + x^{116} + x^{115} + x^{114} + x^{111} + x^{108} + x^{107} + x^{105} \\
& + x^{102} + x^{101} + x^{99} + x^{58} + x^{57} + x^{56} + x^{54} + x^{51} + x^{46} + x^{45} + x^{43} \\
& + x^{42} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{33} + x^{30} + x^{29} + x^{27}, \\
p_6(x) = & x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
& + x^{127} + x^{125} + x^{123} + x^{120} + x^{119} + x^{114} + x^{113} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{98} + x^{95} + x^{94} + x^{91} + x^{89} + x^{88} + x^{87} + x^{84} + x^{83} \\
& + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{70} + x^{69} + x^{64} + x^{63} + x^{62} \\
& + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{44} + x^{43} \\
& + x^{42} + x^{41} + x^{40} + x^{38} + x^{37} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{26} \\
& + x^{25} + x^{23} + x^{22} + x^{20} + x^{18}, \\
p_9(x) = & x^{144} + x^{143} + x^{142} + x^{140} + x^{138} + x^{136} + x^{134} + x^{131} + x^{124} + x^{123} \\
& + x^{121} + x^{120} + x^{119} + x^{117} + x^{114} + x^{113} + x^{112} + x^{110} + x^{108} \\
& + x^{106} + x^{104} + x^{102} + x^{99} + x^{96} + x^{95} + x^{93} + x^{92} + x^{91} + x^{89} + x^{88} \\
& + x^{87} + x^{85} + x^{82} + x^{81} + x^{79} + x^{76} + x^{75} + x^{74} + x^{71} + x^{68} + x^{67} \\
& + x^{66} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{53} + x^{48} + x^{47} + x^{45} \\
& + x^{42} + x^{41} + x^{40} + x^{37} + x^{32} + x^{31} + x^{30} + x^{27} + x^{24} + x^{23} + x^{21} \\
& + x^{12} + x^{11} + x^9, \\
p_{12}(x) = & x^{147} + x^{146} + x^{145} + x^{144} + x^{143} + x^{141} + x^{139} + x^{137} + x^{135} + x^{133} \\
& + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{122} + x^{120} + x^{119}
\end{aligned}$$

$$\begin{aligned}
& + x^{118} + x^{117} + x^{116} + x^{114} + x^{112} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} \\
& + x^{93} + x^{91} + x^{89} + x^{87} + x^{85} + x^{83} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} \\
& + x^{73} + x^{72} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{62} + x^{60} + x^{59} \\
& + x^{58} + x^{57} + x^{56} + x^{54} + x^{52} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} + x^{40} \\
& + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{31} + x^{29} + x^{27} + x^{25} + x^{23} \\
& + x^{21} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{10} + x^8 + x^7 + x^6 + x^5 \\
& + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{145} + x^{143} + x^{141} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} \\
& + x^{130} + x^{128} + x^{125} + x^{122} + x^{121} + x^{120} + x^{119} + x^{118} + x^{117} \\
& + x^{116} + x^{114} + x^{113} + x^{111} + x^{107} + x^{105} + x^{104} + x^{103} + x^{101} \\
& + x^{99} + x^{98} + x^{97} + x^{93} + x^{91} + x^{89} + x^{88} + x^{85} + x^{84} + x^{83} + x^{79} \\
& + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{68} + x^{67} + x^{65} + x^{62} + x^{60} + x^{58} \\
& + x^{57} + x^{56} + x^{54} + x^{47} + x^{44} + x^{43} + x^{41} + x^{40} + x^{39}, \\
p_3(x) &= x^{138} + x^{137} + x^{136} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} + x^{125} + x^{122} \\
& + x^{121} + x^{119} + x^{116} + x^{115} + x^{114} + x^{111} + x^{108} + x^{107} + x^{105} \\
& + x^{102} + x^{101} + x^{99} + x^{58} + x^{57} + x^{56} + x^{54} + x^{51} + x^{46} + x^{45} + x^{43} \\
& + x^{42} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{33} + x^{30} + x^{29} + x^{27}, \\
p_6(x) &= x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
& + x^{127} + x^{125} + x^{123} + x^{120} + x^{119} + x^{114} + x^{113} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{98} + x^{95} + x^{94} + x^{91} + x^{89} + x^{88} + x^{87} + x^{84} + x^{83} \\
& + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{70} + x^{69} + x^{64} + x^{63} + x^{62} \\
& + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{44} + x^{43} \\
& + x^{42} + x^{41} + x^{40} + x^{38} + x^{37} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{26} \\
& + x^{25} + x^{23} + x^{22} + x^{20} + x^{18}, \\
p_9(x) &= x^{144} + x^{143} + x^{142} + x^{140} + x^{138} + x^{136} + x^{134} + x^{131} + x^{124} + x^{123} \\
& + x^{121} + x^{120} + x^{119} + x^{117} + x^{114} + x^{113} + x^{112} + x^{110} + x^{108} \\
& + x^{106} + x^{104} + x^{102} + x^{99} + x^{96} + x^{95} + x^{93} + x^{92} + x^{91} + x^{89} + x^{88} \\
& + x^{87} + x^{85} + x^{82} + x^{81} + x^{79} + x^{76} + x^{75} + x^{74} + x^{71} + x^{68} + x^{67} \\
& + x^{66} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{53} + x^{48} + x^{47} + x^{45} \\
& + x^{42} + x^{41} + x^{40} + x^{37} + x^{32} + x^{31} + x^{30} + x^{27} + x^{24} + x^{23} + x^{21} \\
& + x^{12} + x^{11} + x^9, \\
p_{12}(x) &= x^{147} + x^{146} + x^{145} + x^{144} + x^{143} + x^{141} + x^{139} + x^{137} + x^{135} + x^{133} \\
& + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{122} + x^{120} + x^{119}
\end{aligned}$$

$$\begin{aligned}
& + x^{118} + x^{117} + x^{116} + x^{114} + x^{112} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} \\
& + x^{93} + x^{91} + x^{89} + x^{87} + x^{85} + x^{83} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} \\
& + x^{73} + x^{72} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{62} + x^{60} + x^{59} \\
& + x^{58} + x^{57} + x^{56} + x^{54} + x^{52} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} + x^{40} \\
& + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{31} + x^{29} + x^{27} + x^{25} + x^{23} \\
& + x^{21} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{10} + x^8 + x^7 + x^6 + x^5 \\
& + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{144} + x^{136} + x^{130} + x^{128} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{108} \\
& + x^{100} + x^{96} + x^{94} + x^{92} + x^{90} + x^{82} + x^{78} + x^{76} + x^{74} + x^{72} + x^{68} \\
& + x^{64} + x^{58} + x^{56} + x^{52} + x^{50} + x^{46} + x^{44} + x^{42}, \\
p_3(x) &= x^{142} + x^{138} + x^{136} + x^{132} + x^{122} + x^{120} + x^{116} + x^{114} + x^{110} + x^{108} \\
& + x^{104} + x^{100} + x^{98} + x^{96} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{82} \\
& + x^{80} + x^{78} + x^{74} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{58} + x^{56} + x^{52} \\
& + x^{48} + x^{46} + x^{40} + x^{38} + x^{36} + x^{34} + x^{32} + x^{30} + x^{22} + x^{18}, \\
p_6(x) &= x^{142} + x^{138} + x^{136} + x^{124} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{102} \\
& + x^{96} + x^{90} + x^{84} + x^{82} + x^{76} + x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} \\
& + x^{58} + x^{52} + x^{50} + x^{46} + x^{44} + x^{42} + x^{38} + x^{36} + x^{24} + x^{22} + x^{18} \\
& + x^{10} + x^8 + x^2 + 1, \\
p_9(x) &= x^{142} + x^{138} + x^{136} + x^{132} + x^{130} + x^{126} + x^{124} + x^{118} + x^{114} + x^{112} \\
& + x^{110} + x^{108} + x^{106} + x^{104} + x^{102} + x^{88} + x^{86} + x^{84} + x^{80} + x^{78} \\
& + x^{74} + x^{72} + x^{64} + x^{58} + x^{52} + x^{50} + x^{48} + x^{46} + x^{42} + x^{38} + x^{30} \\
& + x^{28} + x^{24} + x^{22} + x^{20} + x^{18} + x^{14} + x^{12} + x^8 + x^6, \\
p_{12}(x) &= x^{144} + x^{142} + x^{138} + x^{136} + x^{128} + x^{126} + x^{122} + x^{118} + x^{114} + x^{112} \\
& + x^{96} + x^{94} + x^{90} + x^{88} + x^{72} + x^{70} + x^{66} + x^{64} + x^{56} + x^{54} + x^{50} \\
& + x^{46} + x^{42} + x^{38} + x^{34} + x^{30} + x^{26} + x^{24} + x^{16} + x^{14} + x^{10} + x^6 \\
& + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{144} + x^{140} + x^{138} + x^{136} + x^{128} + x^{126} + x^{122} + x^{112} + x^{106} + x^{104} \\
& + x^{102} + x^{100} + x^{96} + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{82} + x^{80} + x^{78} \\
& + x^{74} + x^{72} + x^{68} + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{46} + x^{44} \\
& + x^{36}, \\
p_3(x) &= x^{142} + x^{134} + x^{124} + x^{112} + x^{110} + x^{108} + x^{100} + x^{98} + x^{94} + x^{92}
\end{aligned}$$

$$\begin{aligned}
& + x^{88} + x^{80} + x^{74} + x^{72} + x^{66} + x^{62} + x^{58} + x^{56} + x^{44} + x^{42} + x^{36} \\
& + x^{30} + x^{22} + x^{20}, \\
p_6(x) &= x^{142} + x^{140} + x^{138} + x^{128} + x^{126} + x^{124} + x^{120} + x^{108} + x^{106} + x^{104} \\
& + x^{98} + x^{94} + x^{92} + x^{86} + x^{80} + x^{74} + x^{68} + x^{62} + x^{60} + x^{58} + x^{56} \\
& + x^{54} + x^{52} + x^{50} + x^{48} + x^{44} + x^{42} + x^{36} + x^{34} + x^{32} + x^{20} + x^{18} \\
& + x^{14} + x^{12} + x^{10} + x^8 + x^2 + 1, \\
p_9(x) &= x^{142} + x^{138} + x^{136} + x^{132} + x^{130} + x^{126} + x^{124} + x^{118} + x^{114} + x^{112} \\
& + x^{110} + x^{108} + x^{106} + x^{104} + x^{102} + x^{88} + x^{86} + x^{84} + x^{80} + x^{78} \\
& + x^{74} + x^{72} + x^{64} + x^{58} + x^{52} + x^{50} + x^{48} + x^{46} + x^{42} + x^{38} + x^{30} \\
& + x^{28} + x^{24} + x^{22} + x^{20} + x^{18} + x^{14} + x^{12} + x^8 + x^6, \\
p_{12}(x) &= x^{144} + x^{142} + x^{138} + x^{136} + x^{128} + x^{126} + x^{122} + x^{118} + x^{114} + x^{112} \\
& + x^{96} + x^{94} + x^{90} + x^{88} + x^{72} + x^{70} + x^{66} + x^{64} + x^{56} + x^{54} + x^{50} \\
& + x^{46} + x^{42} + x^{38} + x^{34} + x^{30} + x^{26} + x^{24} + x^{16} + x^{14} + x^{10} + x^6 \\
& + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{145} + x^{143} + x^{140} + x^{139} + x^{134} + x^{133} + x^{132} + x^{131} \\
& + x^{130} + x^{127} + x^{126} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{119} \\
& + x^{118} + x^{116} + x^{115} + x^{113} + x^{111} + x^{108} + x^{106} + x^{100} + x^{99} + x^{96} \\
& + x^{95} + x^{94} + x^{92} + x^{88} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{78} + x^{76} \\
& + x^{74} + x^{73} + x^{72} + x^{69} + x^{65} + x^{64} + x^{62} + x^{52} + x^{50} + x^{48} + x^{47} \\
& + x^{43} + x^{41} + x^{40} + x^{39}, \\
p_3(x) &= x^{138} + x^{137} + x^{136} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} + x^{125} + x^{122} \\
& + x^{121} + x^{119} + x^{116} + x^{115} + x^{114} + x^{111} + x^{108} + x^{107} + x^{105} \\
& + x^{102} + x^{101} + x^{99} + x^{58} + x^{57} + x^{56} + x^{54} + x^{51} + x^{46} + x^{45} + x^{43} \\
& + x^{42} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{33} + x^{30} + x^{29} + x^{27}, \\
p_6(x) &= x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
& + x^{127} + x^{125} + x^{123} + x^{120} + x^{119} + x^{114} + x^{113} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{98} + x^{95} + x^{94} + x^{91} + x^{89} + x^{88} + x^{87} + x^{84} + x^{83} \\
& + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{70} + x^{69} + x^{64} + x^{63} + x^{62} \\
& + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{44} + x^{43} \\
& + x^{42} + x^{41} + x^{40} + x^{38} + x^{37} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{26} \\
& + x^{25} + x^{23} + x^{22} + x^{20} + x^{18}, \\
p_9(x) &= x^{144} + x^{143} + x^{142} + x^{140} + x^{138} + x^{136} + x^{134} + x^{131} + x^{124} + x^{123} \\
& + x^{121} + x^{120} + x^{119} + x^{117} + x^{114} + x^{113} + x^{112} + x^{110} + x^{108}
\end{aligned}$$

$$\begin{aligned}
& + x^{106} + x^{104} + x^{102} + x^{99} + x^{96} + x^{95} + x^{93} + x^{92} + x^{91} + x^{89} + x^{88} \\
& + x^{87} + x^{85} + x^{82} + x^{81} + x^{79} + x^{76} + x^{75} + x^{74} + x^{71} + x^{68} + x^{67} \\
& + x^{66} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{53} + x^{48} + x^{47} + x^{45} \\
& + x^{42} + x^{41} + x^{40} + x^{37} + x^{32} + x^{31} + x^{30} + x^{27} + x^{24} + x^{23} + x^{21} \\
& + x^{12} + x^{11} + x^9, \\
p_{12}(x) = & x^{147} + x^{146} + x^{145} + x^{144} + x^{143} + x^{141} + x^{139} + x^{137} + x^{135} + x^{133} \\
& + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{122} + x^{120} + x^{119} \\
& + x^{118} + x^{117} + x^{116} + x^{114} + x^{112} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} \\
& + x^{93} + x^{91} + x^{89} + x^{87} + x^{85} + x^{83} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} \\
& + x^{73} + x^{72} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{62} + x^{60} + x^{59} \\
& + x^{58} + x^{57} + x^{56} + x^{54} + x^{52} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} + x^{40} \\
& + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{31} + x^{29} + x^{27} + x^{25} + x^{23} \\
& + x^{21} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{10} + x^8 + x^7 + x^6 + x^5 \\
& + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{146} + x^{145} + x^{143} + x^{140} + x^{139} + x^{134} + x^{133} + x^{132} + x^{131} \\
& + x^{130} + x^{127} + x^{126} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{119} \\
& + x^{118} + x^{116} + x^{115} + x^{113} + x^{111} + x^{108} + x^{106} + x^{100} + x^{99} + x^{96} \\
& + x^{95} + x^{94} + x^{92} + x^{88} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{78} + x^{76} \\
& + x^{74} + x^{73} + x^{72} + x^{69} + x^{65} + x^{64} + x^{62} + x^{52} + x^{50} + x^{48} + x^{47} \\
& + x^{43} + x^{41} + x^{40} + x^{39}, \\
p_3(x) = & x^{138} + x^{137} + x^{136} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} + x^{125} + x^{122} \\
& + x^{121} + x^{119} + x^{116} + x^{115} + x^{114} + x^{111} + x^{108} + x^{107} + x^{105} \\
& + x^{102} + x^{101} + x^{99} + x^{58} + x^{57} + x^{56} + x^{54} + x^{51} + x^{46} + x^{45} + x^{43} \\
& + x^{42} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{33} + x^{30} + x^{29} + x^{27}, \\
p_6(x) = & x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
& + x^{127} + x^{125} + x^{123} + x^{120} + x^{119} + x^{114} + x^{113} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{98} + x^{95} + x^{94} + x^{91} + x^{89} + x^{88} + x^{87} + x^{84} + x^{83} \\
& + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{70} + x^{69} + x^{64} + x^{63} + x^{62} \\
& + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{44} + x^{43} \\
& + x^{42} + x^{41} + x^{40} + x^{38} + x^{37} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{26} \\
& + x^{25} + x^{23} + x^{22} + x^{20} + x^{18}, \\
p_9(x) = & x^{144} + x^{143} + x^{142} + x^{140} + x^{138} + x^{136} + x^{134} + x^{131} + x^{124} + x^{123} \\
& + x^{121} + x^{120} + x^{119} + x^{117} + x^{114} + x^{113} + x^{112} + x^{110} + x^{108}
\end{aligned}$$

$$\begin{aligned}
& + x^{106} + x^{104} + x^{102} + x^{99} + x^{96} + x^{95} + x^{93} + x^{92} + x^{91} + x^{89} + x^{88} \\
& + x^{87} + x^{85} + x^{82} + x^{81} + x^{79} + x^{76} + x^{75} + x^{74} + x^{71} + x^{68} + x^{67} \\
& + x^{66} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{53} + x^{48} + x^{47} + x^{45} \\
& + x^{42} + x^{41} + x^{40} + x^{37} + x^{32} + x^{31} + x^{30} + x^{27} + x^{24} + x^{23} + x^{21} \\
& + x^{12} + x^{11} + x^9, \\
p_{12}(x) = & x^{147} + x^{146} + x^{145} + x^{144} + x^{143} + x^{141} + x^{139} + x^{137} + x^{135} + x^{133} \\
& + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{122} + x^{120} + x^{119} \\
& + x^{118} + x^{117} + x^{116} + x^{114} + x^{112} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} \\
& + x^{93} + x^{91} + x^{89} + x^{87} + x^{85} + x^{83} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} \\
& + x^{73} + x^{72} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{62} + x^{60} + x^{59} \\
& + x^{58} + x^{57} + x^{56} + x^{54} + x^{52} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} + x^{40} \\
& + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{31} + x^{29} + x^{27} + x^{25} + x^{23} \\
& + x^{21} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{10} + x^8 + x^7 + x^6 + x^5 \\
& + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{150} + x^{148} + x^{142} + x^{140} + x^{138} + x^{136} + x^{134} + x^{132} + x^{122} + x^{114} \\
& + x^{108} + x^{104} + x^{100} + x^{94} + x^{90} + x^{88} + x^{86} + x^{84} + x^{80} + x^{72} + x^{70} \\
& + x^{56} + x^{46} + x^{44} + x^{42}, \\
p_3(x) = & x^{148} + x^{146} + x^{144} + x^{140} + x^{138} + x^{136} + x^{132} + x^{128} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{110} + x^{106} + x^{104} + x^{100} + x^{92} + x^{88} + x^{84} + x^{82} \\
& + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} \\
& + x^{54} + x^{52} + x^{48} + x^{46} + x^{44} + x^{36} + x^{32} + x^{28} + x^{26} + x^{22} + x^{18}, \\
p_6(x) = & x^{148} + x^{146} + x^{144} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{122} + x^{120} \\
& + x^{118} + x^{116} + x^{110} + x^{108} + x^{104} + x^{98} + x^{96} + x^{92} + x^{84} + x^{80} \\
& + x^{78} + x^{72} + x^{68} + x^{60} + x^{58} + x^{56} + x^{54} + x^{48} + x^{46} + x^{40} + x^{38} \\
& + x^{34} + x^{26} + x^{20} + x^{18} + x^{16} + x^{14} + x^{10} + x^2 + 1, \\
p_9(x) = & x^{148} + x^{146} + x^{144} + x^{138} + x^{134} + x^{132} + x^{130} + x^{128} + x^{124} + x^{108} \\
& + x^{106} + x^{104} + x^{102} + x^{100} + x^{94} + x^{92} + x^{82} + x^{80} + x^{74} + x^{72} \\
& + x^{70} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} \\
& + x^{38} + x^{32} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{12} + x^8 + x^6, \\
p_{12}(x) = & x^{150} + x^{146} + x^{144} + x^{142} + x^{138} + x^{136} + x^{126} + x^{122} + x^{120} + x^{118} \\
& + x^{114} + x^{112} + x^{102} + x^{98} + x^{96} + x^{94} + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} \\
& + x^{54} + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} + x^{30} + x^{26} + x^{24} + x^{14} + x^{10} \\
& + x^8 + x^6 + x^2 + 1,
\end{aligned}$$

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^{146} + x^{143} + x^{142} + x^{141} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} \\
&\quad + x^{130} + x^{129} + x^{126} + x^{124} + x^{121} + x^{117} + x^{115} + x^{113} + x^{112} \\
&\quad + x^{109} + x^{108} + x^{106} + x^{104} + x^{103} + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} \\
&\quad + x^{94} + x^{93} + x^{91} + x^{89} + x^{88} + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{79} \\
&\quad + x^{77} + x^{75} + x^{74} + x^{70} + x^{68} + x^{67} + x^{65} + x^{57} + x^{54} + x^{52} + x^{51} \\
&\quad + x^{50} + x^{49} + x^{48} + x^{47} + x^{43} + x^{41} + x^{40} + x^{36}, \\
p_3(x) &= x^{143} + x^{142} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} \\
&\quad + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{114} \\
&\quad + x^{110} + x^{109} + x^{103} + x^{101} + x^{100} + x^{96} + x^{93} + x^{92} + x^{89} + x^{85} \\
&\quad + x^{80} + x^{77} + x^{76} + x^{72} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} + x^{53} + x^{51} \\
&\quad + x^{49} + x^{47} + x^{46} + x^{44} + x^{42} + x^{39} + x^{38} + x^{36} + x^{33} + x^{31} + x^{29} \\
&\quad + x^{24}, \\
p_6(x) &= x^{145} + x^{144} + x^{142} + x^{139} + x^{137} + x^{136} + x^{126} + x^{125} + x^{124} + x^{121} \\
&\quad + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{111} + x^{110} + x^{106} + x^{105} \\
&\quad + x^{104} + x^{103} + x^{102} + x^{97} + x^{96} + x^{95} + x^{94} + x^{91} + x^{90} + x^{87} + x^{86} \\
&\quad + x^{85} + x^{83} + x^{81} + x^{80} + x^{79} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} + x^{70} \\
&\quad + x^{69} + x^{66} + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{50} + x^{48} + x^{47} \\
&\quad + x^{38} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{26} + x^{25} \\
&\quad + x^{24} + x^{23} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{10} + x^8 \\
&\quad + x^7 + x^6 + x^5 + x^4 + x^2 + 1, \\
p_9(x) &= x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} \\
&\quad + x^{129} + x^{128} + x^{126} + x^{124} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{89} \\
&\quad + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} + x^{77} + x^{75} + x^{73} + x^{70} \\
&\quad + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{57} + x^{54} + x^{52} \\
&\quad + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} \\
&\quad + x^{25} + x^{22} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_{12}(x) &= x^{147} + x^{146} + x^{145} + x^{144} + x^{142} + x^{140} + x^{135} + x^{134} + x^{133} + x^{132} \\
&\quad + x^{131} + x^{129} + x^{127} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} \\
&\quad + x^{116} + x^{114} + x^{112} + x^{99} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} + x^{87} + x^{86} \\
&\quad + x^{85} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{63} \\
&\quad + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{45} \\
&\quad + x^{42} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{30} + x^{28} + x^{23} \\
&\quad + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{15} + x^{13} + x^{10} + x^8 + x^7 + x^6 + x^5
\end{aligned}$$

$$+ x^4 + x^2 + 1,$$

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

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

$$\begin{aligned} p_0(x) &= x^{152} + x^{149} + x^{148} + x^{147} + x^{143} + x^{139} + x^{137} + x^{134} + x^{131} + x^{130} \\ &\quad + x^{126} + x^{125} + x^{123} + x^{122} + x^{121} + x^{116} + x^{115} + x^{114} + x^{111} \\ &\quad + x^{106} + x^{105} + x^{103} + x^{98} + x^{97} + x^{96} + x^{95} + x^{92} + x^{85} + x^{83} + x^{79} \\ &\quad + x^{78} + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{67} + x^{66} + x^{60} + x^{58} + x^{55} \\ &\quad + x^{53} + x^{52} + x^{51} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{40} + x^{39}, \\ p_3(x) &= x^{143} + x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{132} + x^{129} + x^{128} + x^{127} \\ &\quad + x^{126} + x^{124} + x^{123} + x^{119} + x^{118} + x^{117} + x^{116} + x^{112} + x^{111} \\ &\quad + x^{110} + x^{107} + x^{106} + x^{102} + x^{99} + x^{63} + x^{61} + x^{60} + x^{59} + x^{58} \\ &\quad + x^{57} + x^{55} + x^{53} + x^{51} + x^{50} + x^{48} + x^{46} + x^{45} + x^{44} + x^{42} + x^{40} \\ &\quad + x^{39} + x^{34} + x^{30} + x^{27}, \\ p_6(x) &= x^{146} + x^{142} + x^{140} + x^{138} + x^{136} + x^{130} + x^{128} + x^{126} + x^{112} + x^{108} \\ &\quad + x^{94} + x^{92} + x^{90} + x^{86} + x^{84} + x^{82} + x^{78} + x^{72} + x^{70} + x^{68} + x^{66} \\ &\quad + x^{64} + x^{62} + x^{60} + x^{58} + x^{52} + x^{40} + x^{34} + x^{32} + x^{30} + x^{28} + x^{24} \\ &\quad + x^{22} + x^{18}, \\ p_9(x) &= x^{149} + x^{147} + x^{146} + x^{144} + x^{143} + x^{142} + x^{141} + x^{138} + x^{133} + x^{132} \\ &\quad + x^{130} + x^{129} + x^{128} + x^{127} + x^{124} + x^{121} + x^{101} + x^{99} + x^{98} + x^{96} \\ &\quad + x^{95} + x^{94} + x^{93} + x^{90} + x^{84} + x^{83} + x^{81} + x^{78} + x^{77} + x^{76} + x^{74} \\ &\quad + x^{73} + x^{68} + x^{67} + x^{65} + x^{62} + x^{61} + x^{60} + x^{58} + x^{57} + x^{53} + x^{52} \\ &\quad + x^{50} + x^{49} + x^{48} + x^{47} + x^{44} + x^{41} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} \\ &\quad + x^{30} + x^{29} + x^{26} + x^{21} + x^{20} + x^{18} + x^{17} + x^{16} + x^{15} + x^{12} + x^9, \\ p_{12}(x) &= x^{152} + x^{144} + x^{136} + x^{124} + x^{120} + x^{116} + x^{112} + x^{104} + x^{96} + x^{80} \\ &\quad + x^{76} + x^{72} + x^{68} + x^{60} + x^{52} + x^{48} + x^{44} + x^{36} + x^{24} + x^{12} + x^8 \\ &\quad + x^4 + 1, \end{aligned}$$

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

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

$$\begin{aligned} p_0(x) &= x^{156} + x^{153} + x^{151} + x^{150} + x^{149} + x^{148} + x^{146} + x^{145} + x^{144} + x^{143} \\ &\quad + x^{141} + x^{138} + x^{134} + x^{133} + x^{132} + x^{130} + x^{129} + x^{125} + x^{122} \\ &\quad + x^{118} + x^{117} + x^{116} + x^{112} + x^{111} + x^{110} + x^{107} + x^{106} + x^{102} \\ &\quad + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{90} + x^{89} + x^{87} + x^{84} \\ &\quad + x^{81} + x^{80} + x^{79} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} + x^{69} + x^{62} \\ &\quad + x^{60} + x^{57} + x^{56} + x^{55} + x^{47} + x^{46} + x^{45} + x^{43} + x^{42} + x^{40} + x^{39}, \\ p_3(x) &= x^{147} + x^{145} + x^{144} + x^{142} + x^{140} + x^{138} + x^{134} + x^{133} + x^{132} + x^{131} \end{aligned}$$

$$\begin{aligned}
& + x^{129} + x^{127} + x^{124} + x^{123} + x^{117} + x^{116} + x^{115} + x^{112} + x^{111} \\
& + x^{110} + x^{107} + x^{106} + x^{102} + x^{99} + x^{67} + x^{65} + x^{64} + x^{62} + x^{60} \\
& + x^{59} + x^{58} + x^{57} + x^{56} + x^{53} + x^{50} + x^{48} + x^{47} + x^{45} + x^{44} + x^{43} \\
& + x^{42} + x^{40} + x^{39} + x^{34} + x^{30} + x^{27}, \\
p_6(x) = & x^{150} + x^{144} + x^{142} + x^{138} + x^{132} + x^{128} + x^{126} + x^{122} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{108} + x^{104} + x^{102} + x^{98} + x^{94} + x^{88} + x^{86} \\
& + x^{82} + x^{76} + x^{74} + x^{72} + x^{70} + x^{68} + x^{64} + x^{62} + x^{60} + x^{56} + x^{54} \\
& + x^{52} + x^{50} + x^{48} + x^{32} + x^{30} + x^{28} + x^{24} + x^{22} + x^{18}, \\
p_9(x) = & x^{153} + x^{151} + x^{150} + x^{149} + x^{148} + x^{144} + x^{142} + x^{140} + x^{138} + x^{137} \\
& + x^{133} + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} + x^{124} + x^{121} + x^{105} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{96} + x^{94} + x^{92} + x^{90} + x^{87} + x^{86} \\
& + x^{82} + x^{81} + x^{79} + x^{78} + x^{74} + x^{73} + x^{71} + x^{70} + x^{66} + x^{65} + x^{63} \\
& + x^{62} + x^{58} + x^{53} + x^{52} + x^{50} + x^{49} + x^{48} + x^{47} + x^{44} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{32} + x^{30} + x^{28} + x^{26} + x^{25} + x^{21} + x^{20} + x^{18} + x^{17} \\
& + x^{16} + x^{15} + x^{12} + x^9, \\
p_{12}(x) = & x^{156} + x^{152} + x^{140} + x^{128} + x^{124} + x^{120} + x^{116} + x^{112} + x^{108} + x^{104} \\
& + x^{88} + x^{80} + x^{76} + x^{68} + x^{56} + x^{52} + x^{36} + x^{32} + x^{28} + x^{16} + x^{12} \\
& + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{146} + x^{141} + x^{138} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} + x^{126} \\
& + x^{123} + x^{121} + x^{119} + x^{115} + x^{114} + x^{110} + x^{105} + x^{104} + x^{103} \\
& + x^{101} + x^{99} + x^{98} + x^{95} + x^{92} + x^{88} + x^{86} + x^{85} + x^{83} + x^{81} + x^{80} \\
& + x^{77} + x^{74} + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{62} + x^{61} + x^{60} \\
& + x^{57} + x^{56} + x^{52} + x^{51} + x^{50} + x^{49} + x^{44} + x^{42}, \\
p_3(x) = & x^{143} + x^{142} + x^{139} + x^{138} + x^{137} + x^{135} + x^{130} + x^{129} + x^{126} + x^{125} \\
& + x^{124} + x^{122} + x^{121} + x^{118} + x^{114} + x^{113} + x^{110} + x^{107} + x^{106} \\
& + x^{104} + x^{98} + x^{93} + x^{92} + x^{89} + x^{85} + x^{80} + x^{77} + x^{76} + x^{72} + x^{65} \\
& + x^{64} + x^{63} + x^{62} + x^{61} + x^{59} + x^{58} + x^{54} + x^{52} + x^{51} + x^{49} + x^{48} \\
& + x^{45} + x^{43} + x^{42} + x^{41} + x^{38} + x^{35} + x^{33} + x^{28} + x^{26}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} + x^{125} + x^{117} \\
& + x^{115} + x^{111} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} \\
& + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{90} + x^{88} + x^{85} + x^{83} + x^{82} \\
& + x^{78} + x^{77} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{65} + x^{64} + x^{61} + x^{60} \\
& + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{51} + x^{50} + x^{48} + x^{45} + x^{44} + x^{42}
\end{aligned}$$

$$\begin{aligned}
& + x^{40} + x^{39} + x^{37} + x^{35} + x^{32} + x^{27} + x^{26} + x^{25} + x^{18} + x^{15} + x^{13} \\
& + x^{12} + x^{10} + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + 1, \\
p_9(x) = & x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} \\
& + x^{129} + x^{128} + x^{126} + x^{124} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{89} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} + x^{77} + x^{75} + x^{73} + x^{70} \\
& + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{57} + x^{54} + x^{52} \\
& + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} \\
& + x^{25} + x^{22} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_{12}(x) = & x^{147} + x^{146} + x^{145} + x^{144} + x^{142} + x^{140} + x^{135} + x^{134} + x^{133} + x^{132} \\
& + x^{131} + x^{129} + x^{127} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} \\
& + x^{116} + x^{114} + x^{112} + x^{99} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} + x^{87} + x^{86} \\
& + x^{85} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{63} \\
& + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{45} \\
& + x^{42} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{30} + x^{28} + x^{23} \\
& + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{15} + x^{13} + x^{10} + x^8 + x^7 + x^6 + x^5 \\
& + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{146} + x^{143} + x^{142} + x^{141} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} \\
& + x^{130} + x^{129} + x^{126} + x^{124} + x^{121} + x^{117} + x^{115} + x^{113} + x^{112} \\
& + x^{109} + x^{108} + x^{106} + x^{104} + x^{103} + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} \\
& + x^{94} + x^{93} + x^{91} + x^{89} + x^{88} + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{79} \\
& + x^{77} + x^{75} + x^{74} + x^{70} + x^{68} + x^{67} + x^{65} + x^{57} + x^{54} + x^{52} + x^{51} \\
& + x^{50} + x^{49} + x^{48} + x^{47} + x^{43} + x^{41} + x^{40} + x^{36}, \\
p_3(x) = & x^{143} + x^{142} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} \\
& + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{114} \\
& + x^{110} + x^{109} + x^{103} + x^{101} + x^{100} + x^{96} + x^{93} + x^{92} + x^{89} + x^{85} \\
& + x^{80} + x^{77} + x^{76} + x^{72} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} + x^{53} + x^{51} \\
& + x^{49} + x^{47} + x^{46} + x^{44} + x^{42} + x^{39} + x^{38} + x^{36} + x^{33} + x^{31} + x^{29} \\
& + x^{24}, \\
p_6(x) = & x^{145} + x^{144} + x^{142} + x^{139} + x^{137} + x^{136} + x^{126} + x^{125} + x^{124} + x^{121} \\
& + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{111} + x^{110} + x^{106} + x^{105} \\
& + x^{104} + x^{103} + x^{102} + x^{97} + x^{96} + x^{95} + x^{94} + x^{91} + x^{90} + x^{87} + x^{86} \\
& + x^{85} + x^{83} + x^{81} + x^{80} + x^{79} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} + x^{70} \\
& + x^{69} + x^{66} + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{50} + x^{48} + x^{47}
\end{aligned}$$

$$\begin{aligned}
& + x^{38} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{26} + x^{25} \\
& + x^{24} + x^{23} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{10} + x^8 \\
& + x^7 + x^6 + x^5 + x^4 + x^2 + 1, \\
p_9(x) &= x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} \\
& + x^{129} + x^{128} + x^{126} + x^{124} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{89} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} + x^{77} + x^{75} + x^{73} + x^{70} \\
& + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{57} + x^{54} + x^{52} \\
& + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} \\
& + x^{25} + x^{22} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_{12}(x) &= x^{147} + x^{146} + x^{145} + x^{144} + x^{142} + x^{140} + x^{135} + x^{134} + x^{133} + x^{132} \\
& + x^{131} + x^{129} + x^{127} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} \\
& + x^{116} + x^{114} + x^{112} + x^{99} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} + x^{87} + x^{86} \\
& + x^{85} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{63} \\
& + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{45} \\
& + x^{42} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{30} + x^{28} + x^{23} \\
& + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{15} + x^{13} + x^{10} + x^8 + x^7 + x^6 + x^5 \\
& + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{153} + x^{151} + x^{150} + x^{149} + x^{148} + x^{146} + x^{145} + x^{144} + x^{143} \\
& + x^{141} + x^{138} + x^{134} + x^{133} + x^{132} + x^{130} + x^{129} + x^{125} + x^{122} \\
& + x^{118} + x^{117} + x^{116} + x^{112} + x^{111} + x^{110} + x^{107} + x^{106} + x^{102} \\
& + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{90} + x^{89} + x^{87} + x^{84} \\
& + x^{81} + x^{80} + x^{79} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} + x^{69} + x^{62} \\
& + x^{60} + x^{57} + x^{56} + x^{55} + x^{47} + x^{46} + x^{45} + x^{43} + x^{42} + x^{40} + x^{39}, \\
p_3(x) &= x^{147} + x^{145} + x^{144} + x^{142} + x^{140} + x^{138} + x^{134} + x^{133} + x^{132} + x^{131} \\
& + x^{129} + x^{127} + x^{124} + x^{123} + x^{117} + x^{116} + x^{115} + x^{112} + x^{111} \\
& + x^{110} + x^{107} + x^{106} + x^{102} + x^{99} + x^{67} + x^{65} + x^{64} + x^{62} + x^{60} \\
& + x^{59} + x^{58} + x^{57} + x^{56} + x^{53} + x^{50} + x^{48} + x^{47} + x^{45} + x^{44} + x^{43} \\
& + x^{42} + x^{40} + x^{39} + x^{34} + x^{30} + x^{27}, \\
p_6(x) &= x^{150} + x^{144} + x^{142} + x^{138} + x^{132} + x^{128} + x^{126} + x^{122} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{108} + x^{104} + x^{102} + x^{98} + x^{94} + x^{88} + x^{86} \\
& + x^{82} + x^{76} + x^{74} + x^{72} + x^{70} + x^{68} + x^{64} + x^{62} + x^{60} + x^{56} + x^{54} \\
& + x^{52} + x^{50} + x^{48} + x^{32} + x^{30} + x^{28} + x^{24} + x^{22} + x^{18}, \\
p_9(x) &= x^{153} + x^{151} + x^{150} + x^{149} + x^{148} + x^{144} + x^{142} + x^{140} + x^{138} + x^{137}
\end{aligned}$$

$$\begin{aligned}
& + x^{133} + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} + x^{124} + x^{121} + x^{105} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{96} + x^{94} + x^{92} + x^{90} + x^{87} + x^{86} \\
& + x^{82} + x^{81} + x^{79} + x^{78} + x^{74} + x^{73} + x^{71} + x^{70} + x^{66} + x^{65} + x^{63} \\
& + x^{62} + x^{58} + x^{53} + x^{52} + x^{50} + x^{49} + x^{48} + x^{47} + x^{44} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{32} + x^{30} + x^{28} + x^{26} + x^{25} + x^{21} + x^{20} + x^{18} + x^{17} \\
& + x^{16} + x^{15} + x^{12} + x^9, \\
p_{12}(x) = & x^{156} + x^{152} + x^{140} + x^{128} + x^{124} + x^{120} + x^{116} + x^{112} + x^{108} + x^{104} \\
& + x^{88} + x^{80} + x^{76} + x^{68} + x^{56} + x^{52} + x^{36} + x^{32} + x^{28} + x^{16} + x^{12} \\
& + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{152} + x^{149} + x^{148} + x^{147} + x^{143} + x^{139} + x^{137} + x^{134} + x^{131} + x^{130} \\
& + x^{126} + x^{125} + x^{123} + x^{122} + x^{121} + x^{116} + x^{115} + x^{114} + x^{111} \\
& + x^{106} + x^{105} + x^{103} + x^{98} + x^{97} + x^{96} + x^{95} + x^{92} + x^{85} + x^{83} + x^{79} \\
& + x^{78} + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{67} + x^{66} + x^{60} + x^{58} + x^{55} \\
& + x^{53} + x^{52} + x^{51} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{40} + x^{39}, \\
p_3(x) = & x^{143} + x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{132} + x^{129} + x^{128} + x^{127} \\
& + x^{126} + x^{124} + x^{123} + x^{119} + x^{118} + x^{117} + x^{116} + x^{112} + x^{111} \\
& + x^{110} + x^{107} + x^{106} + x^{102} + x^{99} + x^{63} + x^{61} + x^{60} + x^{59} + x^{58} \\
& + x^{57} + x^{55} + x^{53} + x^{51} + x^{50} + x^{48} + x^{46} + x^{45} + x^{44} + x^{42} + x^{40} \\
& + x^{39} + x^{34} + x^{30} + x^{27}, \\
p_6(x) = & x^{146} + x^{142} + x^{140} + x^{138} + x^{136} + x^{130} + x^{128} + x^{126} + x^{112} + x^{108} \\
& + x^{94} + x^{92} + x^{90} + x^{86} + x^{84} + x^{82} + x^{78} + x^{72} + x^{70} + x^{68} + x^{66} \\
& + x^{64} + x^{62} + x^{60} + x^{58} + x^{52} + x^{40} + x^{34} + x^{32} + x^{30} + x^{28} + x^{24} \\
& + x^{22} + x^{18}, \\
p_9(x) = & x^{149} + x^{147} + x^{146} + x^{144} + x^{143} + x^{142} + x^{141} + x^{138} + x^{133} + x^{132} \\
& + x^{130} + x^{129} + x^{128} + x^{127} + x^{124} + x^{121} + x^{101} + x^{99} + x^{98} + x^{96} \\
& + x^{95} + x^{94} + x^{93} + x^{90} + x^{84} + x^{83} + x^{81} + x^{78} + x^{77} + x^{76} + x^{74} \\
& + x^{73} + x^{68} + x^{67} + x^{65} + x^{62} + x^{61} + x^{60} + x^{58} + x^{57} + x^{53} + x^{52} \\
& + x^{50} + x^{49} + x^{48} + x^{47} + x^{44} + x^{41} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} \\
& + x^{30} + x^{29} + x^{26} + x^{21} + x^{20} + x^{18} + x^{17} + x^{16} + x^{15} + x^{12} + x^9, \\
p_{12}(x) = & x^{152} + x^{144} + x^{136} + x^{124} + x^{120} + x^{116} + x^{112} + x^{104} + x^{96} + x^{80} \\
& + x^{76} + x^{72} + x^{68} + x^{60} + x^{52} + x^{48} + x^{44} + x^{36} + x^{24} + x^{12} + x^8 \\
& + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{141} + x^{138} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} + x^{126} \\
&\quad + x^{123} + x^{121} + x^{119} + x^{115} + x^{114} + x^{110} + x^{105} + x^{104} + x^{103} \\
&\quad + x^{101} + x^{99} + x^{98} + x^{95} + x^{92} + x^{88} + x^{86} + x^{85} + x^{83} + x^{81} + x^{80} \\
&\quad + x^{77} + x^{74} + x^{73} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{62} + x^{61} + x^{60} \\
&\quad + x^{57} + x^{56} + x^{52} + x^{51} + x^{50} + x^{49} + x^{44} + x^{42}, \\
p_3(x) &= x^{143} + x^{142} + x^{139} + x^{138} + x^{137} + x^{135} + x^{130} + x^{129} + x^{126} + x^{125} \\
&\quad + x^{124} + x^{122} + x^{121} + x^{118} + x^{114} + x^{113} + x^{110} + x^{107} + x^{106} \\
&\quad + x^{104} + x^{98} + x^{93} + x^{92} + x^{89} + x^{85} + x^{80} + x^{77} + x^{76} + x^{72} + x^{65} \\
&\quad + x^{64} + x^{63} + x^{62} + x^{61} + x^{59} + x^{58} + x^{54} + x^{52} + x^{51} + x^{49} + x^{48} \\
&\quad + x^{45} + x^{43} + x^{42} + x^{41} + x^{38} + x^{35} + x^{33} + x^{28} + x^{26}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} + x^{125} + x^{117} \\
&\quad + x^{115} + x^{111} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} \\
&\quad + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{90} + x^{88} + x^{85} + x^{83} + x^{82} \\
&\quad + x^{78} + x^{77} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{65} + x^{64} + x^{61} + x^{60} \\
&\quad + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{51} + x^{50} + x^{48} + x^{45} + x^{44} + x^{42} \\
&\quad + x^{40} + x^{39} + x^{37} + x^{35} + x^{32} + x^{27} + x^{26} + x^{25} + x^{18} + x^{15} + x^{13} \\
&\quad + x^{12} + x^{10} + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + 1, \\
p_9(x) &= x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} \\
&\quad + x^{129} + x^{128} + x^{126} + x^{124} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{89} \\
&\quad + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} + x^{77} + x^{75} + x^{73} + x^{70} \\
&\quad + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{57} + x^{54} + x^{52} \\
&\quad + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{43} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} \\
&\quad + x^{25} + x^{22} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_{12}(x) &= x^{147} + x^{146} + x^{145} + x^{144} + x^{142} + x^{140} + x^{135} + x^{134} + x^{133} + x^{132} \\
&\quad + x^{131} + x^{129} + x^{127} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} \\
&\quad + x^{116} + x^{114} + x^{112} + x^{99} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} + x^{87} + x^{86} \\
&\quad + x^{85} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{63} \\
&\quad + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{45} \\
&\quad + x^{42} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{33} + x^{30} + x^{28} + x^{23} \\
&\quad + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{15} + x^{13} + x^{10} + x^8 + x^7 + x^6 + x^5 \\
&\quad + x^4 + x^2 + 1,
\end{aligned}$$

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

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

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

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	3357	[5784, 5785]	6714	[9533, 3561]	10071	[7526, 11978]
1	[3, 4]	3358	[5786, 2578]	6715	[4872, 9534]	10072	[3260, 2168]
2	[5, 6]	3359	[5787, 3243]	6716	[9535, 5105]	10073	[956, 6385]
3	[7, 8]	3360	[5788, 3231]	6717	[9396, 5240]	10074	[11264, 2110]
4	[9, 10]	3361	[2131, 5789]	6718	[4034, 9536]	10075	[11205, 6799]
5	[11, 12]	3362	[5790, 2598]	6719	[9537, 9538]	10076	[2658, 233]
6	[13, 14]	3363	[1866, 5791]	6720	[8294, 9539]	10077	[747, 11979]
7	[15, 16]	3364	[510, 594]	6721	[5631, 9277]	10078	[6344, 8030]
8	[17, 18]	3365	[5792, 1994]	6722	[9540, 9541]	10079	[7320, 526]
9	[19, 20]	3366	[3010, 3162]	6723	[9542, 9543]	10080	[11980, 806]
10	[21, 22]	3367	[5793, 5794]	6724	[9544, 9491]	10081	[11981, 2535]
11	[23, 24]	3368	[5795, 5796]	6725	[9490, 9545]	10082	[11982, 11983]
12	[25, 26]	3369	[5797, 3270]	6726	[9546, 9547]	10083	[11984, 11985]
13	[27, 28]	3370	[2245, 208]	6727	[9548, 9549]	10084	[7123, 11986]
14	[29, 30]	3371	[5798, 5799]	6728	[9550, 9551]	10085	[136, 2188]
15	[31, 32]	3372	[5800, 5801]	6729	[9552, 9553]	10086	[11987, 6790]
16	[33, 34]	3373	[5802, 5803]	6730	[9554, 8939]	10087	[7717, 11626]
17	[35, 36]	3374	[5804, 5805]	6731	[1015, 3858]	10088	[11988, 11989]
18	[37, 38]	3375	[5806, 5807]	6732	[8611, 9555]	10089	[11647, 6974]
19	[39, 40]	3376	[5808, 5809]	6733	[9556, 1812]	10090	[2421, 7913]
20	[41, 42]	3377	[964, 5810]	6734	[9557, 9558]	10091	[7795, 7211]
21	[43, 44]	3378	[5811, 5812]	6735	[9559, 9560]	10092	[2263, 2678]
22	[45, 46]	3379	[5813, 5814]	6736	[8803, 9561]	10093	[11752, 11935]
23	[47, 48]	3380	[837, 5815]	6737	[8704, 9562]	10094	[11990, 11270]
24	[49, 50]	3381	[5816, 5817]	6738	[4204, 5575]	10095	[1894, 7504]
25	[51, 52]	3382	[5818, 5819]	6739	[9563, 8287]	10096	[2999, 2998]
26	[53, 54]	3383	[5820, 855]	6740	[9388, 9564]	10097	[6094, 186]
27	[55, 56]	3384	[5821, 5822]	6741	[9565, 9566]	10098	[11915, 2803]
28	[57, 58]	3385	[5823, 5824]	6742	[3358, 9567]	10099	[5793, 11560]
29	[59, 60]	3386	[5825, 5826]	6743	[9568, 9569]	10100	[6649, 11991]
30	[61, 62]	3387	[5827, 5828]	6744	[9570, 9571]	10101	[11992, 3247]
31	[63, 64]	3388	[5829, 3129]	6745	[9572, 3768]	10102	[2689, 11993]
32	[65, 66]	3389	[5830, 5831]	6746	[1127, 5461]	10103	[6729, 11994]
33	[67, 68]	3390	[5832, 5833]	6747	[9573, 3901]	10104	[7602, 6304]
34	[69, 70]	3391	[5834, 5835]	6748	[8985, 9574]	10105	[7962, 2866]
35	[71, 72]	3392	[5836, 5837]	6749	[9575, 9576]	10106	[11995, 8077]
36	[73, 74]	3393	[5838, 5839]	6750	[9577, 9578]	10107	[11977, 645]
37	[75, 76]	3394	[5840, 5841]	6751	[8283, 9579]	10108	[11585, 11996]
38	[77, 78]	3395	[5842, 5843]	6752	[9580, 9285]	10109	[7193, 7617]
39	[79, 80]	3396	[5844, 5845]	6753	[1705, 9581]	10110	[11849, 7441]
40	[81, 82]	3397	[5846, 5847]	6754	[9582, 3953]	10111	[2018, 11997]
41	[83, 84]	3398	[5848, 5849]	6755	[9583, 1511]	10112	[552, 11435]
42	[85, 86]	3399	[2806, 5850]	6756	[9584, 9585]	10113	[7320, 11634]

43	[87, 88]	3400	[5851, 5852]	6757	[9586, 9587]	10114	[6050, 11998]
44	[89, 90]	3401	[5853, 5854]	6758	[9588, 9589]	10115	[6812, 3017]
45	[91, 92]	3402	[5855, 504]	6759	[9590, 9591]	10116	[2671, 2158]
46	[93, 94]	3403	[5856, 5857]	6760	[9592, 5627]	10117	[11172, 11736]
47	[95, 96]	3404	[5858, 5859]	6761	[9593, 9594]	10118	[7476, 11673]
48	[97, 98]	3405	[2695, 5860]	6762	[4104, 4546]	10119	[7874, 11415]
49	[99, 100]	3406	[5861, 5862]	6763	[9595, 77]	10120	[759, 5909]
50	[101, 102]	3407	[5863, 2793]	6764	[1528, 5516]	10121	[11745, 6310]
51	[103, 104]	3408	[5864, 2252]	6765	[3342, 9596]	10122	[6714, 2448]
52	[105, 106]	3409	[5865, 2411]	6766	[4196, 3311]	10123	[6855, 11999]
53	[107, 108]	3410	[5866, 5867]	6767	[5152, 9597]	10124	[2444, 3088]
54	[109, 110]	3411	[5868, 5869]	6768	[9598, 9599]	10125	[880, 11628]
55	[111, 112]	3412	[5870, 5871]	6769	[3534, 5411]	10126	[3281, 2698]
56	[113, 114]	3413	[2496, 5872]	6770	[9600, 9601]	10127	[11081, 2296]
57	[115, 116]	3414	[5873, 2441]	6771	[9602, 9603]	10128	[11545, 6009]
58	[117, 118]	3415	[703, 5874]	6772	[5345, 8593]	10129	[7684, 11882]
59	[119, 120]	3416	[1984, 5875]	6773	[9604, 9605]	10130	[12000, 12001]
60	[121, 122]	3417	[5876, 5877]	6774	[4450, 9606]	10131	[12002, 12003]
61	[123, 124]	3418	[5878, 5879]	6775	[4439, 9607]	10132	[1915, 11832]
62	[125, 126]	3419	[5880, 5881]	6776	[9608, 1088]	10133	[7880, 12004]
63	[127, 128]	3420	[5882, 5883]	6777	[9609, 9168]	10134	[11077, 6710]
64	[129, 130]	3421	[5884, 5885]	6778	[9610, 9611]	10135	[11240, 11796]
65	[131, 132]	3422	[5886, 1935]	6779	[9342, 9612]	10136	[7253, 8033]
66	[133, 134]	3423	[5887, 5888]	6780	[9613, 9614]	10137	[625, 11123]
67	[135, 136]	3424	[5889, 148]	6781	[9615, 4189]	10138	[11683, 12005]
68	[137, 138]	3425	[2677, 2343]	6782	[9616, 3650]	10139	[7761, 11503]
69	[139, 140]	3426	[2523, 154]	6783	[9617, 1800]	10140	[11645, 7026]
70	[141, 142]	3427	[2829, 5890]	6784	[8353, 9618]	10141	[12006, 11928]
71	[143, 144]	3428	[5891, 5892]	6785	[9619, 9620]	10142	[12007, 12008]
72	[145, 146]	3429	[5893, 793]	6786	[1599, 9621]	10143	[5720, 7240]
73	[147, 148]	3430	[5894, 5703]	6787	[9622, 9623]	10144	[12009, 766]
74	[149, 150]	3431	[5895, 5766]	6788	[9624, 8662]	10145	[2954, 11171]
75	[151, 152]	3432	[5896, 5897]	6789	[4380, 1382]	10146	[6651, 964]
76	[153, 154]	3433	[5898, 5899]	6790	[8982, 4929]	10147	[6711, 2940]
77	[155, 156]	3434	[5900, 5901]	6791	[9032, 9625]	10148	[6143, 12010]
78	[157, 158]	3435	[5902, 5903]	6792	[3749, 9626]	10149	[11802, 6022]
79	[159, 160]	3436	[5904, 144]	6793	[5274, 5678]	10150	[12011, 42]
80	[161, 162]	3437	[2346, 3166]	6794	[1295, 9627]	10151	[6550, 5893]
81	[163, 164]	3438	[5905, 5906]	6795	[9628, 9629]	10152	[801, 2022]
82	[165, 166]	3439	[5907, 2282]	6796	[9630, 3940]	10153	[7728, 12012]
83	[167, 168]	3440	[5908, 5909]	6797	[9631, 9632]	10154	[12013, 12014]
84	[169, 170]	3441	[5910, 617]	6798	[9633, 9634]	10155	[2423, 6122]
85	[171, 172]	3442	[693, 5911]	6799	[9635, 4889]	10156	[7679, 12015]
86	[173, 174]	3443	[5912, 5913]	6800	[9636, 9637]	10157	[2707, 178]

87	[175, 176]	3444	[5914, 5915]	6801	[8147, 9638]	10158	[11389, 1959]
88	[177, 178]	3445	[5916, 2772]	6802	[9627, 9639]	10159	[12016, 7579]
89	[179, 180]	3446	[1889, 819]	6803	[9640, 9641]	10160	[6069, 2766]
90	[181, 182]	3447	[3114, 5917]	6804	[9642, 1540]	10161	[7491, 7436]
91	[183, 184]	3448	[5918, 5689]	6805	[9190, 1453]	10162	[12017, 7866]
92	[185, 186]	3449	[5919, 942]	6806	[9643, 9644]	10163	[7228, 12018]
93	[187, 188]	3450	[5920, 5921]	6807	[4643, 9645]	10164	[3250, 12019]
94	[189, 190]	3451	[2124, 5922]	6808	[9646, 8890]	10165	[11564, 8014]
95	[191, 192]	3452	[5923, 1884]	6809	[9647, 8805]	10166	[7216, 6494]
96	[193, 194]	3453	[2412, 134]	6810	[9648, 8131]	10167	[11, 7174]
97	[195, 196]	3454	[637, 5924]	6811	[9649, 9650]	10168	[12020, 12021]
98	[32, 197]	3455	[5925, 5926]	6812	[9651, 9652]	10169	[11338, 12022]
99	[198, 199]	3456	[1957, 1886]	6813	[8155, 9653]	10170	[6535, 5940]
100	[200, 201]	3457	[1930, 5927]	6814	[9654, 9655]	10171	[7118, 11011]
101	[202, 203]	3458	[5928, 665]	6815	[9656, 9657]	10172	[1877, 2000]
102	[204, 205]	3459	[5929, 5930]	6816	[3322, 5135]	10173	[6909, 2798]
103	[206, 207]	3460	[5931, 5932]	6817	[8733, 9658]	10174	[12023, 7646]
104	[208, 209]	3461	[5933, 5934]	6818	[1190, 3369]	10175	[7310, 6134]
105	[210, 211]	3462	[5935, 5936]	6819	[9659, 3371]	10176	[6733, 6970]
106	[212, 213]	3463	[2392, 5937]	6820	[9660, 3894]	10177	[6036, 11433]
107	[214, 215]	3464	[5938, 5939]	6821	[9661, 1240]	10178	[2039, 5813]
108	[216, 217]	3465	[5940, 5941]	6822	[9662, 9663]	10179	[12024, 6627]
109	[218, 219]	3466	[5942, 5943]	6823	[8383, 3521]	10180	[6517, 3265]
110	[220, 221]	3467	[5944, 5945]	6824	[9664, 9665]	10181	[2282, 6469]
111	[222, 223]	3468	[5946, 2955]	6825	[9666, 9667]	10182	[2902, 12025]
112	[224, 225]	3469	[2432, 5947]	6826	[5131, 8105]	10183	[11710, 6052]
113	[226, 227]	3470	[5948, 5949]	6827	[9668, 9669]	10184	[12026, 7029]
114	[228, 229]	3471	[5950, 5951]	6828	[9670, 9263]	10185	[7388, 12027]
115	[230, 231]	3472	[5952, 5953]	6829	[9671, 9672]	10186	[2900, 11793]
116	[232, 233]	3473	[5954, 2910]	6830	[9555, 9258]	10187	[12028, 12029]
117	[234, 235]	3474	[2012, 5955]	6831	[9673, 79]	10188	[5810, 6234]
118	[236, 237]	3475	[5956, 2279]	6832	[9674, 9675]	10189	[153, 2524]
119	[238, 239]	3476	[5957, 5958]	6833	[9676, 9677]	10190	[6624, 234]
120	[240, 241]	3477	[5959, 5960]	6834	[5489, 9678]	10191	[2735, 12030]
121	[242, 243]	3478	[61, 5961]	6835	[9679, 9680]	10192	[12031, 6312]
122	[244, 245]	3479	[5962, 5963]	6836	[9681, 9682]	10193	[6858, 3141]
123	[246, 247]	3480	[2145, 2824]	6837	[9683, 9684]	10194	[11796, 12032]
124	[248, 249]	3481	[579, 5964]	6838	[9685, 8314]	10195	[2329, 12033]
125	[250, 251]	3482	[5916, 2490]	6839	[9686, 9687]	10196	[7111, 12034]
126	[252, 253]	3483	[5965, 2482]	6840	[9688, 9689]	10197	[855, 2143]
127	[254, 255]	3484	[5966, 1950]	6841	[4164, 4485]	10198	[6220, 7801]
128	[256, 257]	3485	[2451, 5967]	6842	[9690, 1662]	10199	[12035, 12036]
129	[258, 259]	3486	[5968, 5969]	6843	[9691, 9692]	10200	[2176, 901]
130	[260, 261]	3487	[5970, 2036]	6844	[9693, 3890]	10201	[11303, 11321]

131	[262, 263]	3488	[5971, 5972]	6845	[8130, 9694]	10202	[11032, 12037]
132	[264, 265]	3489	[5973, 5974]	6846	[3566, 3286]	10203	[11677, 6239]
133	[266, 267]	3490	[2898, 5975]	6847	[9695, 9696]	10204	[6700, 7380]
134	[268, 269]	3491	[527, 128]	6848	[1293, 3382]	10205	[11684, 11708]
135	[270, 271]	3492	[5976, 5977]	6849	[1281, 1533]	10206	[7411, 11201]
136	[272, 273]	3493	[2934, 5978]	6850	[5655, 9697]	10207	[3065, 2017]
137	[274, 275]	3494	[5979, 2054]	6851	[9698, 9160]	10208	[2725, 2651]
138	[276, 277]	3495	[5980, 2163]	6852	[9699, 4333]	10209	[11509, 12038]
139	[278, 279]	3496	[5981, 5982]	6853	[9700, 9701]	10210	[3167, 12039]
140	[280, 281]	3497	[5983, 5984]	6854	[9702, 9703]	10211	[7885, 1973]
141	[282, 283]	3498	[806, 5985]	6855	[9704, 9077]	10212	[12031, 765]
142	[284, 285]	3499	[5986, 5987]	6856	[9705, 9316]	10213	[11795, 2326]
143	[286, 287]	3500	[2111, 2501]	6857	[9706, 9707]	10214	[207, 7308]
144	[288, 289]	3501	[5988, 5989]	6858	[9599, 8635]	10215	[11994, 12040]
145	[290, 291]	3502	[3190, 5990]	6859	[9708, 4353]	10216	[12041, 12025]
146	[292, 293]	3503	[2254, 2545]	6860	[9645, 9709]	10217	[682, 6644]
147	[294, 295]	3504	[578, 5991]	6861	[3848, 9710]	10218	[12042, 6097]
148	[296, 297]	3505	[5992, 2044]	6862	[9711, 9712]	10219	[11592, 12043]
149	[298, 299]	3506	[2101, 5993]	6863	[9713, 9714]	10220	[2366, 12044]
150	[299, 300]	3507	[5994, 5995]	6864	[4939, 8482]	10221	[659, 2030]
151	[301, 302]	3508	[5996, 2971]	6865	[1109, 9715]	10222	[12045, 2964]
152	[303, 304]	3509	[2761, 192]	6866	[5231, 9716]	10223	[12046, 11911]
153	[305, 306]	3510	[2619, 5997]	6867	[9717, 4544]	10224	[7052, 2234]
154	[307, 308]	3511	[5998, 5999]	6868	[9718, 9719]	10225	[11995, 6474]
155	[309, 310]	3512	[6000, 6001]	6869	[9720, 9721]	10226	[11258, 12047]
156	[311, 91]	3513	[6002, 6003]	6870	[9722, 9723]	10227	[12048, 7213]
157	[312, 313]	3514	[2310, 6004]	6871	[5446, 5356]	10228	[2959, 11644]
158	[314, 315]	3515	[5813, 6005]	6872	[9724, 9065]	10229	[11659, 2646]
159	[316, 317]	3516	[784, 6006]	6873	[4445, 9725]	10230	[5782, 12049]
160	[318, 319]	3517	[6007, 6008]	6874	[4170, 9726]	10231	[11815, 5746]
161	[320, 321]	3518	[2079, 6009]	6875	[9530, 9727]	10232	[2929, 12027]
162	[322, 323]	3519	[6010, 6011]	6876	[8707, 8216]	10233	[11418, 214]
163	[324, 325]	3520	[2242, 6012]	6877	[4208, 9728]	10234	[6044, 11562]
164	[326, 327]	3521	[6013, 6014]	6878	[8692, 8789]	10235	[6684, 5995]
165	[328, 329]	3522	[6015, 6016]	6879	[9729, 9730]	10236	[7478, 12050]
166	[330, 331]	3523	[6017, 6018]	6880	[9731, 1371]	10237	[883, 2778]
167	[332, 333]	3524	[6019, 6020]	6881	[5011, 9732]	10238	[663, 11961]
168	[334, 335]	3525	[6021, 2496]	6882	[1239, 9733]	10239	[11968, 7580]
169	[336, 337]	3526	[6022, 6023]	6883	[4678, 1858]	10240	[6702, 12051]
170	[338, 339]	3527	[853, 2912]	6884	[9734, 489]	10241	[7637, 6531]
171	[340, 341]	3528	[5782, 6024]	6885	[8456, 8783]	10242	[2037, 5979]
172	[342, 343]	3529	[2103, 6025]	6886	[9735, 9736]	10243	[7911, 786]
173	[344, 345]	3530	[6026, 6027]	6887	[4765, 9737]	10244	[3178, 870]
174	[346, 347]	3531	[845, 3127]	6888	[8679, 9738]	10245	[5969, 12052]

175	[120, 348]	3532	[883, 6028]	6889	[9739, 1040]	10246	[7144, 7348]
176	[349, 350]	3533	[6029, 151]	6890	[1556, 3865]	10247	[2832, 11550]
177	[351, 103]	3534	[2675, 6030]	6891	[9345, 9740]	10248	[7553, 11365]
178	[352, 353]	3535	[6031, 6032]	6892	[1181, 9741]	10249	[11813, 7221]
179	[354, 355]	3536	[2281, 6033]	6893	[9742, 8701]	10250	[12053, 2579]
180	[356, 357]	3537	[6034, 6035]	6894	[9743, 8378]	10251	[5713, 11867]
181	[358, 359]	3538	[3279, 5963]	6895	[9744, 4749]	10252	[6197, 6987]
182	[360, 361]	3539	[1948, 6036]	6896	[4813, 3789]	10253	[6010, 7029]
183	[362, 363]	3540	[5735, 6037]	6897	[9745, 9746]	10254	[7790, 2820]
184	[364, 365]	3541	[6038, 2696]	6898	[3397, 3685]	10255	[6051, 11711]
185	[366, 367]	3542	[737, 6039]	6899	[9747, 9748]	10256	[7339, 2495]
186	[368, 369]	3543	[6040, 6041]	6900	[1362, 9749]	10257	[7907, 2784]
187	[370, 371]	3544	[2053, 6042]	6901	[9750, 9751]	10258	[12054, 7583]
188	[372, 373]	3545	[6043, 2484]	6902	[4419, 9752]	10259	[12055, 11652]
189	[374, 375]	3546	[696, 6044]	6903	[9753, 9754]	10260	[12006, 7427]
190	[376, 377]	3547	[2102, 2610]	6904	[1661, 9755]	10261	[7893, 12021]
191	[378, 379]	3548	[6045, 6046]	6905	[9756, 8186]	10262	[7518, 7368]
192	[380, 381]	3549	[800, 3012]	6906	[9675, 9757]	10263	[12056, 6833]
193	[382, 383]	3550	[6047, 6048]	6907	[8555, 9758]	10264	[7840, 12057]
194	[384, 385]	3551	[6049, 5741]	6908	[3747, 9096]	10265	[2870, 3263]
195	[386, 387]	3552	[6050, 2723]	6909	[9759, 9760]	10266	[6151, 7601]
196	[388, 389]	3553	[6051, 6052]	6910	[9761, 9762]	10267	[11702, 2066]
197	[390, 391]	3554	[6053, 6054]	6911	[9763, 9764]	10268	[2717, 12058]
198	[392, 393]	3555	[867, 6055]	6912	[8332, 1076]	10269	[11160, 7628]
199	[394, 395]	3556	[1906, 714]	6913	[3287, 5091]	10270	[11690, 7589]
200	[396, 397]	3557	[6056, 136]	6914	[9765, 4791]	10271	[11370, 12059]
201	[398, 399]	3558	[2063, 666]	6915	[9766, 9767]	10272	[1965, 7988]
202	[400, 401]	3559	[6057, 6058]	6916	[9768, 8189]	10273	[6153, 7855]
203	[402, 403]	3560	[643, 6059]	6917	[8451, 3351]	10274	[11438, 12060]
204	[404, 405]	3561	[6060, 710]	6918	[9104, 9769]	10275	[11812, 8059]
205	[406, 407]	3562	[6061, 6062]	6919	[9770, 5445]	10276	[12061, 12062]
206	[408, 409]	3563	[1980, 6063]	6920	[4926, 8209]	10277	[2014, 2923]
207	[410, 411]	3564	[6064, 6065]	6921	[3673, 3515]	10278	[5979, 7265]
208	[412, 413]	3565	[6066, 6067]	6922	[9771, 4292]	10279	[11692, 7395]
209	[414, 415]	3566	[6068, 3106]	6923	[8518, 9772]	10280	[11808, 2784]
210	[416, 417]	3567	[6069, 6070]	6924	[8814, 9773]	10281	[6628, 7743]
211	[418, 419]	3568	[2851, 2358]	6925	[9300, 9395]	10282	[6515, 11504]
212	[420, 421]	3569	[3247, 6071]	6926	[9774, 9400]	10283	[734, 12063]
213	[422, 423]	3570	[6072, 6073]	6927	[8187, 9775]	10284	[6656, 11552]
214	[424, 425]	3571	[2808, 2833]	6928	[9335, 9776]	10285	[7823, 11785]
215	[426, 427]	3572	[535, 6074]	6929	[5171, 9777]	10286	[12064, 11316]
216	[428, 429]	3573	[6075, 6076]	6930	[9778, 9747]	10287	[6289, 7174]
217	[430, 431]	3574	[6077, 1989]	6931	[3613, 3411]	10288	[2953, 11424]
218	[432, 433]	3575	[6078, 2179]	6932	[1166, 9779]	10289	[7978, 6794]

219	[434, 435]	3576	[746, 6079]	6933	[9780, 9781]	10290	[6231, 6179]
220	[436, 437]	3577	[677, 2837]	6934	[9782, 9783]	10291	[11093, 561]
221	[438, 439]	3578	[3100, 6080]	6935	[9632, 9784]	10292	[955, 11120]
222	[440, 441]	3579	[5872, 6081]	6936	[9205, 9785]	10293	[11304, 11322]
223	[442, 443]	3580	[6082, 6083]	6937	[9786, 9787]	10294	[11891, 6701]
224	[444, 445]	3581	[6084, 2856]	6938	[9788, 9789]	10295	[11510, 605]
225	[446, 447]	3582	[2414, 6085]	6939	[3568, 9790]	10296	[11197, 12065]
226	[448, 449]	3583	[2134, 2183]	6940	[9791, 9550]	10297	[6218, 11742]
227	[450, 451]	3584	[2649, 6086]	6941	[9097, 1837]	10298	[2978, 12059]
228	[452, 453]	3585	[6087, 6088]	6942	[9792, 1163]	10299	[11387, 6625]
229	[454, 455]	3586	[6089, 5702]	6943	[9793, 9794]	10300	[12066, 6990]
230	[456, 457]	3587	[6090, 6091]	6944	[9795, 9796]	10301	[12020, 7894]
231	[458, 459]	3588	[6092, 6093]	6945	[3498, 9797]	10302	[11922, 7497]
232	[460, 461]	3589	[6094, 6095]	6946	[9723, 9798]	10303	[2783, 6372]
233	[462, 463]	3590	[6096, 215]	6947	[9799, 9800]	10304	[7505, 736]
234	[391, 464]	3591	[6097, 1987]	6948	[1432, 9801]	10305	[11972, 890]
235	[465, 466]	3592	[6098, 5942]	6949	[9802, 9803]	10306	[2106, 949]
236	[467, 468]	3593	[569, 6099]	6950	[4404, 5245]	10307	[11297, 6461]
237	[469, 470]	3594	[6100, 6101]	6951	[9804, 9053]	10308	[6821, 11373]
238	[471, 472]	3595	[6102, 6103]	6952	[9805, 9806]	10309	[6363, 12067]
239	[473, 474]	3596	[6104, 659]	6953	[9807, 5066]	10310	[11078, 7630]
240	[475, 476]	3597	[6105, 3235]	6954	[1332, 9808]	10311	[7355, 11033]
241	[477, 478]	3598	[6106, 231]	6955	[1198, 9809]	10312	[549, 11747]
242	[479, 480]	3599	[6107, 6108]	6956	[9810, 9811]	10313	[12068, 5721]
243	[481, 482]	3600	[2034, 2407]	6957	[9812, 9813]	10314	[11524, 12069]
244	[483, 484]	3601	[6109, 6110]	6958	[8177, 1849]	10315	[7186, 12070]
245	[485, 486]	3602	[6111, 195]	6959	[9814, 9815]	10316	[11291, 10]
246	[487, 488]	3603	[6112, 6048]	6960	[9505, 9521]	10317	[11101, 2797]
247	[489, 490]	3604	[3003, 6113]	6961	[9816, 9817]	10318	[6802, 11055]
248	[491, 492]	3605	[6114, 1890]	6962	[1062, 9818]	10319	[12071, 12072]
249	[493, 494]	3606	[6115, 6116]	6963	[9819, 3778]	10320	[6287, 7839]
250	[495, 496]	3607	[534, 3101]	6964	[9820, 9821]	10321	[11021, 6882]
251	[497, 498]	3608	[6117, 6118]	6965	[5594, 9822]	10322	[12046, 11949]
252	[499, 500]	3609	[6119, 6120]	6966	[4781, 9823]	10323	[11598, 7187]
253	[501, 502]	3610	[2890, 6121]	6967	[5080, 9824]	10324	[6284, 12073]
254	[503, 504]	3611	[2354, 6122]	6968	[4910, 9825]	10325	[6476, 8040]
255	[505, 506]	3612	[6123, 6124]	6969	[9826, 9827]	10326	[2769, 2682]
256	[507, 508]	3613	[6125, 6126]	6970	[4232, 5140]	10327	[12074, 11914]
257	[509, 510]	3614	[6127, 6128]	6971	[9828, 9829]	10328	[12075, 6295]
258	[511, 512]	3615	[6129, 6130]	6972	[9830, 9831]	10329	[8066, 3178]
259	[513, 514]	3616	[6131, 6132]	6973	[9832, 9833]	10330	[7486, 12076]
260	[515, 516]	3617	[6133, 6134]	6974	[8661, 9691]	10331	[2096, 8089]
261	[517, 518]	3618	[6135, 6136]	6975	[1027, 3714]	10332	[8078, 12077]
262	[519, 520]	3619	[6137, 6138]	6976	[9834, 4997]	10333	[12078, 6322]

263	[521, 522]	3620	[6139, 6140]	6977	[8994, 9835]	10334	[2658, 12079]
264	[523, 524]	3621	[2939, 6141]	6978	[9836, 8841]	10335	[11874, 8080]
265	[525, 526]	3622	[3168, 6142]	6979	[5123, 9189]	10336	[11033, 34]
266	[527, 528]	3623	[6143, 6144]	6980	[1025, 9837]	10337	[11581, 6157]
267	[529, 530]	3624	[6145, 722]	6981	[9601, 9838]	10338	[12080, 2466]
268	[531, 532]	3625	[2530, 6146]	6982	[4121, 4629]	10339	[2568, 7136]
269	[533, 534]	3626	[6147, 3118]	6983	[8142, 5104]	10340	[6701, 2590]
270	[535, 536]	3627	[6148, 2204]	6984	[9034, 1154]	10341	[7853, 12056]
271	[537, 538]	3628	[2800, 2364]	6985	[4245, 9839]	10342	[11652, 2454]
272	[539, 540]	3629	[6149, 6150]	6986	[9840, 9841]	10343	[11853, 11187]
273	[541, 542]	3630	[2236, 6151]	6987	[9842, 9843]	10344	[2284, 6606]
274	[543, 544]	3631	[6152, 6153]	6988	[9844, 9261]	10345	[6932, 11595]
275	[545, 546]	3632	[6154, 3240]	6989	[9845, 9846]	10346	[12081, 12082]
276	[547, 548]	3633	[6155, 6156]	6990	[5149, 4296]	10347	[7667, 11549]
277	[549, 550]	3634	[6157, 2985]	6991	[9847, 8423]	10348	[11799, 7350]
278	[551, 552]	3635	[6158, 6159]	6992	[9848, 3978]	10349	[744, 6954]
279	[553, 554]	3636	[6160, 6161]	6993	[9849, 9850]	10350	[6616, 11162]
280	[555, 556]	3637	[6162, 3008]	6994	[9851, 9460]	10351	[11473, 6060]
281	[557, 558]	3638	[6011, 565]	6995	[9852, 9853]	10352	[11080, 12083]
282	[559, 560]	3639	[6163, 753]	6996	[9854, 9855]	10353	[8054, 7711]
283	[561, 562]	3640	[1994, 6164]	6997	[9856, 9857]	10354	[922, 11941]
284	[563, 564]	3641	[2093, 6165]	6998	[9858, 9859]	10355	[7279, 2766]
285	[565, 566]	3642	[6166, 6167]	6999	[5111, 9361]	10356	[11973, 921]
286	[567, 568]	3643	[6168, 6169]	7000	[8110, 5130]	10357	[11265, 7749]
287	[569, 570]	3644	[5772, 568]	7001	[9860, 9861]	10358	[12084, 761]
288	[571, 572]	3645	[5940, 1962]	7002	[4628, 9862]	10359	[11156, 6870]
289	[573, 574]	3646	[1929, 6170]	7003	[8760, 9863]	10360	[11529, 191]
290	[575, 576]	3647	[6171, 6172]	7004	[9864, 4860]	10361	[11368, 205]
291	[577, 578]	3648	[6173, 2121]	7005	[9865, 9866]	10362	[6062, 7924]
292	[579, 580]	3649	[6174, 6175]	7006	[5543, 9867]	10363	[2413, 7147]
293	[581, 582]	3650	[5798, 6176]	7007	[9868, 8165]	10364	[5829, 7780]
294	[583, 584]	3651	[6177, 6178]	7008	[9869, 9870]	10365	[2199, 11136]
295	[585, 586]	3652	[2703, 6179]	7009	[9871, 4505]	10366	[11983, 6292]
296	[587, 588]	3653	[6180, 6181]	7010	[8502, 9872]	10367	[7127, 12085]
297	[589, 590]	3654	[1865, 6182]	7011	[9873, 9874]	10368	[1995, 7650]
298	[591, 592]	3655	[3092, 6183]	7012	[9875, 8943]	10369	[7492, 7945]
299	[593, 594]	3656	[2967, 6184]	7013	[9876, 9877]	10370	[11577, 615]
300	[595, 596]	3657	[2352, 6185]	7014	[8320, 9878]	10371	[2984, 12086]
301	[597, 598]	3658	[2892, 6186]	7015	[9879, 9880]	10372	[5824, 6582]
302	[599, 600]	3659	[6187, 698]	7016	[9881, 9882]	10373	[11313, 3188]
303	[601, 602]	3660	[6188, 6189]	7017	[4983, 9883]	10374	[11330, 2649]
304	[603, 604]	3661	[5736, 581]	7018	[9884, 4609]	10375	[7919, 520]
305	[605, 606]	3662	[6190, 2847]	7019	[9885, 5003]	10376	[11766, 6268]
306	[607, 608]	3663	[630, 2445]	7020	[9886, 9887]	10377	[12087, 2336]

307	[609, 610]	3664	[2375, 6191]	7021	[9888, 9889]	10378	[12017, 11312]
308	[611, 612]	3665	[6192, 6193]	7022	[9890, 9891]	10379	[5986, 7571]
309	[613, 614]	3666	[6194, 678]	7023	[9892, 8368]	10380	[11017, 2209]
310	[615, 616]	3667	[737, 6195]	7024	[5206, 9893]	10381	[7267, 545]
311	[617, 618]	3668	[6196, 2764]	7025	[9776, 8517]	10382	[7138, 2551]
312	[619, 620]	3669	[6197, 2494]	7026	[8866, 9894]	10383	[11243, 7915]
313	[621, 622]	3670	[6198, 6199]	7027	[4194, 8761]	10384	[7798, 7231]
314	[623, 624]	3671	[6200, 6201]	7028	[9895, 9896]	10385	[7078, 7291]
315	[625, 626]	3672	[3062, 5813]	7029	[9897, 5212]	10386	[7483, 12077]
316	[253, 583]	3673	[6202, 603]	7030	[9898, 9899]	10387	[7245, 7233]
317	[627, 628]	3674	[6203, 6204]	7031	[5424, 9900]	10388	[5957, 11070]
318	[629, 630]	3675	[6205, 6030]	7032	[9901, 9902]	10389	[12088, 2826]
319	[631, 632]	3676	[5886, 6206]	7033	[9903, 9904]	10390	[563, 6361]
320	[633, 634]	3677	[6207, 951]	7034	[9296, 9905]	10391	[2091, 7129]
321	[635, 636]	3678	[6208, 6002]	7035	[9906, 9907]	10392	[12089, 6076]
322	[637, 638]	3679	[6209, 6210]	7036	[5002, 9908]	10393	[11168, 2521]
323	[639, 640]	3680	[6211, 2728]	7037	[9909, 1862]	10394	[12090, 12091]
324	[641, 642]	3681	[6212, 6213]	7038	[9910, 9911]	10395	[6954, 6484]
325	[643, 644]	3682	[2591, 6214]	7039	[9912, 9913]	10396	[8032, 7254]
326	[645, 646]	3683	[6215, 3211]	7040	[4132, 9914]	10397	[2753, 11461]
327	[647, 648]	3684	[6216, 3147]	7041	[9915, 1026]	10398	[6755, 616]
328	[649, 650]	3685	[6217, 6218]	7042	[4516, 9916]	10399	[11519, 12092]
329	[651, 652]	3686	[696, 6219]	7043	[9917, 9918]	10400	[11075, 2901]
330	[160, 653]	3687	[957, 6220]	7044	[5018, 9919]	10401	[6158, 12093]
331	[654, 655]	3688	[6221, 6222]	7045	[9920, 9921]	10402	[12028, 795]
332	[656, 657]	3689	[6223, 6224]	7046	[9922, 9923]	10403	[6385, 11090]
333	[658, 659]	3690	[220, 6225]	7047	[9924, 9925]	10404	[2806, 11657]
334	[660, 661]	3691	[6226, 2827]	7048	[9926, 9927]	10405	[7560, 704]
335	[662, 663]	3692	[6227, 671]	7049	[9928, 9929]	10406	[6737, 11188]
336	[664, 665]	3693	[3145, 6228]	7050	[9930, 8181]	10407	[12094, 6625]
337	[666, 667]	3694	[6229, 6230]	7051	[9931, 9932]	10408	[6998, 11205]
338	[668, 669]	3695	[2702, 6231]	7052	[9933, 9934]	10409	[7437, 7815]
339	[670, 671]	3696	[6232, 955]	7053	[9935, 9936]	10410	[7468, 6806]
340	[672, 234]	3697	[6015, 6233]	7054	[9937, 9535]	10411	[2613, 573]
341	[673, 674]	3698	[965, 6234]	7055	[4739, 9938]	10412	[7164, 829]
342	[49, 675]	3699	[6235, 6236]	7056	[9939, 8144]	10413	[12095, 12096]
343	[676, 677]	3700	[6237, 6238]	7057	[367, 458]	10414	[12097, 7821]
344	[678, 679]	3701	[6239, 2393]	7058	[9585, 3862]	10415	[11182, 5732]
345	[680, 681]	3702	[962, 6240]	7059	[4603, 9940]	10416	[963, 235]
346	[682, 159]	3703	[6241, 6242]	7060	[9941, 8759]	10417	[5758, 12034]
347	[683, 684]	3704	[6243, 6244]	7061	[9942, 4770]	10418	[7497, 2397]
348	[685, 686]	3705	[6245, 6246]	7062	[9943, 9944]	10419	[2910, 3112]
349	[687, 688]	3706	[6247, 6248]	7063	[9945, 3510]	10420	[198, 3057]
350	[689, 690]	3707	[6249, 906]	7064	[108, 4664]	10421	[6268, 11380]

351	[691, 692]	3708	[6250, 6251]	7065	[9946, 9947]	10422	[11733, 2202]
352	[693, 694]	3709	[6252, 651]	7066	[9948, 8903]	10423	[11288, 12098]
353	[695, 696]	3710	[2345, 6253]	7067	[423, 9949]	10424	[2195, 6172]
354	[697, 698]	3711	[6055, 6254]	7068	[9159, 5538]	10425	[8101, 6589]
355	[699, 700]	3712	[6255, 45]	7069	[9950, 9951]	10426	[6798, 11206]
356	[701, 702]	3713	[6256, 2950]	7070	[9952, 9953]	10427	[12099, 11220]
357	[703, 704]	3714	[6257, 6258]	7071	[9954, 3844]	10428	[12100, 8010]
358	[705, 706]	3715	[6259, 2758]	7072	[9330, 9955]	10429	[12101, 229]
359	[707, 708]	3716	[6260, 6000]	7073	[8785, 3590]	10430	[11712, 11008]
360	[709, 710]	3717	[666, 6261]	7074	[9956, 1589]	10431	[11179, 11425]
361	[711, 712]	3718	[6262, 3220]	7075	[9957, 5451]	10432	[11031, 8084]
362	[713, 714]	3719	[6263, 1917]	7076	[3932, 4708]	10433	[2169, 8025]
363	[715, 716]	3720	[6264, 6265]	7077	[9958, 3812]	10434	[11558, 11278]
364	[717, 718]	3721	[3067, 6266]	7078	[9291, 9959]	10435	[6276, 3258]
365	[719, 720]	3722	[3207, 6267]	7079	[9960, 9961]	10436	[3166, 12102]
366	[721, 722]	3723	[6268, 2277]	7080	[337, 4984]	10437	[12103, 11524]
367	[723, 724]	3724	[2191, 2615]	7081	[3558, 3716]	10438	[3132, 6874]
368	[725, 726]	3725	[5981, 2271]	7082	[9962, 9963]	10439	[11757, 11196]
369	[727, 619]	3726	[6269, 6270]	7083	[9964, 9965]	10440	[1982, 2425]
370	[728, 729]	3727	[6271, 6272]	7084	[9966, 9493]	10441	[597, 2683]
371	[730, 731]	3728	[2732, 3234]	7085	[9967, 9968]	10442	[11660, 3208]
372	[732, 733]	3729	[2595, 6273]	7086	[9969, 9970]	10443	[2628, 7660]
373	[734, 735]	3730	[2408, 6274]	7087	[9971, 9666]	10444	[204, 11369]
374	[736, 737]	3731	[510, 6275]	7088	[9972, 9973]	10445	[8027, 7155]
375	[738, 739]	3732	[6276, 6277]	7089	[9111, 1483]	10446	[2775, 11973]
376	[740, 741]	3733	[6278, 6279]	7090	[9974, 9975]	10447	[11282, 7456]
377	[742, 743]	3734	[6280, 1948]	7091	[4767, 9976]	10448	[11679, 12104]
378	[688, 744]	3735	[2577, 6281]	7092	[9977, 360]	10449	[556, 2173]
379	[745, 146]	3736	[6282, 6283]	7093	[9978, 9856]	10450	[7117, 713]
380	[746, 747]	3737	[6284, 6285]	7094	[9789, 4493]	10451	[7286, 5857]
381	[748, 717]	3738	[6286, 6287]	7095	[9721, 9979]	10452	[2086, 6526]
382	[749, 750]	3739	[2904, 6288]	7096	[9162, 9980]	10453	[5731, 12105]
383	[751, 752]	3740	[6289, 12]	7097	[1170, 9981]	10454	[6288, 11987]
384	[753, 754]	3741	[6290, 6291]	7098	[4480, 4591]	10455	[2201, 11734]
385	[755, 756]	3742	[6292, 6293]	7099	[9982, 1124]	10456	[2881, 7984]
386	[757, 758]	3743	[560, 6233]	7100	[3771, 3856]	10457	[7877, 2135]
387	[759, 760]	3744	[6294, 6295]	7101	[9983, 1810]	10458	[2924, 5993]
388	[761, 762]	3745	[6296, 6297]	7102	[9984, 8249]	10459	[2333, 6849]
389	[763, 155]	3746	[6298, 6299]	7103	[9985, 493]	10460	[11332, 2679]
390	[764, 765]	3747	[6300, 5994]	7104	[9986, 9987]	10461	[2064, 6261]
391	[766, 767]	3748	[5703, 6301]	7105	[9988, 9989]	10462	[6964, 12018]
392	[768, 769]	3749	[6302, 2627]	7106	[9815, 8659]	10463	[2494, 7392]
393	[770, 771]	3750	[6303, 6304]	7107	[9180, 8309]	10464	[8056, 11279]
394	[772, 773]	3751	[6305, 969]	7108	[4441, 9700]	10465	[6380, 7316]

395	[774, 775]	3752	[6306, 6307]	7109	[4446, 1794]	10466	[12106, 5897]
396	[776, 777]	3753	[2834, 6308]	7110	[3414, 9990]	10467	[11485, 6715]
397	[778, 779]	3754	[2915, 6309]	7111	[5169, 9991]	10468	[7182, 12107]
398	[780, 781]	3755	[6310, 6311]	7112	[9992, 8824]	10469	[2641, 3073]
399	[782, 783]	3756	[764, 6312]	7113	[9827, 9993]	10470	[2000, 2302]
400	[784, 785]	3757	[3167, 6313]	7114	[9037, 9994]	10471	[6036, 12108]
401	[786, 787]	3758	[2712, 145]	7115	[9995, 9996]	10472	[7889, 7963]
402	[250, 621]	3759	[6314, 6315]	7116	[9997, 8132]	10473	[5808, 11581]
403	[788, 789]	3760	[6316, 6317]	7117	[9998, 9999]	10474	[12109, 12110]
404	[790, 791]	3761	[3087, 2769]	7118	[8124, 10000]	10475	[7855, 6418]
405	[792, 793]	3762	[6318, 6258]	7119	[10001, 9705]	10476	[3052, 6736]
406	[794, 795]	3763	[6319, 2850]	7120	[10002, 1719]	10477	[7098, 3077]
407	[796, 797]	3764	[6320, 6321]	7121	[5398, 9807]	10478	[7786, 6072]
408	[798, 799]	3765	[6322, 6323]	7122	[4994, 9443]	10479	[12111, 7444]
409	[800, 801]	3766	[2391, 6324]	7123	[10003, 4940]	10480	[7288, 7593]
410	[802, 803]	3767	[2857, 6325]	7124	[10004, 4159]	10481	[12112, 2927]
411	[804, 805]	3768	[5831, 6326]	7125	[1651, 10005]	10482	[12113, 11816]
412	[806, 807]	3769	[2855, 2028]	7126	[10006, 10007]	10483	[7514, 7135]
413	[808, 809]	3770	[6327, 6328]	7127	[10008, 9473]	10484	[11635, 11886]
414	[810, 811]	3771	[6329, 1894]	7128	[10009, 9198]	10485	[6559, 7816]
415	[812, 813]	3772	[6330, 6331]	7129	[8425, 10010]	10486	[6746, 770]
416	[814, 815]	3773	[5931, 2026]	7130	[10011, 10012]	10487	[7830, 11844]
417	[816, 32]	3774	[699, 5912]	7131	[10013, 10014]	10488	[11682, 6754]
418	[817, 818]	3775	[1900, 6332]	7132	[8192, 10015]	10489	[11213, 5971]
419	[819, 820]	3776	[6333, 2007]	7133	[10016, 10017]	10490	[11012, 12114]
420	[821, 822]	3777	[1932, 6334]	7134	[10018, 10019]	10491	[6070, 11377]
421	[823, 824]	3778	[6335, 2416]	7135	[9883, 10020]	10492	[11279, 11771]
422	[825, 826]	3779	[3272, 6336]	7136	[4079, 4738]	10493	[7813, 7195]
423	[827, 828]	3780	[2550, 6219]	7137	[10021, 10022]	10494	[3155, 12115]
424	[829, 830]	3781	[6337, 6338]	7138	[10023, 4501]	10495	[12116, 2170]
425	[831, 832]	3782	[5988, 2747]	7139	[10024, 10025]	10496	[7376, 7232]
426	[833, 834]	3783	[6339, 3123]	7140	[5312, 10026]	10497	[12117, 11101]
427	[835, 836]	3784	[2643, 6340]	7141	[9233, 10027]	10498	[536, 11341]
428	[837, 838]	3785	[6341, 6342]	7142	[5242, 1156]	10499	[12118, 6751]
429	[839, 840]	3786	[6343, 2123]	7143	[8873, 10028]	10500	[7968, 11974]
430	[841, 842]	3787	[6344, 5888]	7144	[10029, 10030]	10501	[12119, 7819]
431	[843, 844]	3788	[5698, 6345]	7145	[1717, 10031]	10502	[6743, 5881]
432	[845, 846]	3789	[6346, 6335]	7146	[10032, 10033]	10503	[12120, 6856]
433	[847, 848]	3790	[2129, 6347]	7147	[267, 9661]	10504	[12121, 11865]
434	[849, 850]	3791	[1868, 6348]	7148	[8551, 10034]	10505	[3057, 2705]
435	[851, 852]	3792	[6349, 5743]	7149	[4323, 8261]	10506	[6689, 12065]
436	[853, 854]	3793	[2587, 2135]	7150	[10035, 10036]	10507	[6622, 835]
437	[855, 856]	3794	[6350, 6351]	7151	[10037, 9221]	10508	[6582, 11521]
438	[857, 858]	3795	[6352, 6353]	7152	[10038, 9761]	10509	[3215, 2279]

439	[859, 860]	3796	[5740, 6354]	7153	[10039, 10040]	10510	[11220, 3175]
440	[653, 861]	3797	[6355, 6356]	7154	[5553, 10041]	10511	[7012, 775]
441	[750, 862]	3798	[6357, 6358]	7155	[10042, 5346]	10512	[2139, 6228]
442	[863, 731]	3799	[6359, 2316]	7156	[10043, 10044]	10513	[11215, 6353]
443	[864, 728]	3800	[6360, 6361]	7157	[5031, 5045]	10514	[3184, 2618]
444	[865, 866]	3801	[6215, 6362]	7158	[9889, 8553]	10515	[6472, 6940]
445	[867, 868]	3802	[5953, 6363]	7159	[10045, 10046]	10516	[6935, 7689]
446	[869, 870]	3803	[6324, 3273]	7160	[10047, 10048]	10517	[6269, 11500]
447	[871, 872]	3804	[48, 2768]	7161	[10049, 5279]	10518	[147, 6180]
448	[615, 873]	3805	[6364, 2142]	7162	[10050, 4396]	10519	[6293, 11285]
449	[874, 875]	3806	[915, 6365]	7163	[1679, 1404]	10520	[12089, 6653]
450	[876, 877]	3807	[613, 6366]	7164	[9870, 1602]	10521	[11838, 2756]
451	[878, 879]	3808	[6367, 6368]	7165	[1321, 10051]	10522	[7970, 7719]
452	[880, 881]	3809	[6369, 6370]	7166	[10052, 9805]	10523	[7247, 11566]
453	[882, 883]	3810	[6371, 6372]	7167	[10053, 10054]	10524	[11466, 6119]
454	[884, 885]	3811	[6373, 3080]	7168	[8201, 10055]	10525	[744, 823]
455	[886, 887]	3812	[6374, 2227]	7169	[64, 4810]	10526	[6243, 12122]
456	[888, 889]	3813	[6375, 6376]	7170	[10056, 10057]	10527	[7101, 6457]
457	[890, 891]	3814	[2228, 6377]	7171	[261, 4817]	10528	[7206, 6509]
458	[722, 892]	3815	[6378, 6379]	7172	[9482, 1681]	10529	[11432, 7786]
459	[724, 893]	3816	[6380, 6381]	7173	[5513, 8654]	10530	[2947, 11912]
460	[894, 895]	3817	[6382, 6383]	7174	[10058, 4701]	10531	[11260, 12123]
461	[896, 897]	3818	[5894, 6008]	7175	[10059, 10060]	10532	[3268, 8015]
462	[898, 899]	3819	[6384, 6385]	7176	[4343, 1316]	10533	[6989, 12124]
463	[900, 901]	3820	[6386, 6387]	7177	[10061, 1431]	10534	[7737, 3235]
464	[902, 903]	3821	[834, 6388]	7178	[10062, 9939]	10535	[11743, 11755]
465	[904, 905]	3822	[6389, 6390]	7179	[10063, 1610]	10536	[849, 11024]
466	[906, 907]	3823	[6391, 6392]	7180	[9981, 10064]	10537	[11732, 3230]
467	[908, 909]	3824	[6393, 2541]	7181	[4865, 10065]	10538	[7676, 6864]
468	[910, 911]	3825	[2252, 6394]	7182	[10066, 9702]	10539	[7463, 12015]
469	[912, 183]	3826	[6395, 2499]	7183	[8600, 10067]	10540	[12125, 11264]
470	[913, 914]	3827	[6396, 6397]	7184	[10068, 10069]	10541	[2657, 232]
471	[915, 916]	3828	[5941, 1963]	7185	[10070, 10071]	10542	[12126, 12127]
472	[917, 918]	3829	[5756, 2794]	7186	[10072, 8172]	10543	[11937, 6701]
473	[919, 920]	3830	[5821, 3042]	7187	[9932, 10003]	10544	[7243, 7664]
474	[921, 922]	3831	[6398, 6399]	7188	[9422, 10073]	10545	[11565, 6830]
475	[923, 924]	3832	[6400, 6401]	7189	[10074, 1110]	10546	[12128, 3170]
476	[925, 926]	3833	[6402, 3085]	7190	[1756, 10075]	10547	[1893, 7247]
477	[927, 928]	3834	[2040, 6005]	7191	[1701, 1215]	10548	[792, 7681]
478	[929, 930]	3835	[6403, 6404]	7192	[5539, 10076]	10549	[12129, 11417]
479	[931, 932]	3836	[6405, 6406]	7193	[4064, 10077]	10550	[2837, 12130]
480	[933, 934]	3837	[6407, 6408]	7194	[9220, 8945]	10551	[12131, 12132]
481	[935, 936]	3838	[1871, 6409]	7195	[10078, 10079]	10552	[11987, 6166]
482	[937, 938]	3839	[6410, 2935]	7196	[10080, 322]	10553	[6360, 564]

483	[939, 940]	3840	[2424, 6125]	7197	[10081, 10082]	10554	[2593, 708]
484	[941, 942]	3841	[6411, 6412]	7198	[10083, 10084]	10555	[7513, 2266]
485	[943, 944]	3842	[6413, 6414]	7199	[5268, 10085]	10556	[11087, 6993]
486	[945, 946]	3843	[6032, 6415]	7200	[10086, 382]	10557	[2872, 5879]
487	[947, 948]	3844	[6416, 6417]	7201	[3484, 334]	10558	[901, 7958]
488	[949, 950]	3845	[6418, 6419]	7202	[10087, 1016]	10559	[11714, 7493]
489	[951, 952]	3846	[6420, 2727]	7203	[10088, 10089]	10560	[12087, 3253]
490	[953, 954]	3847	[5848, 6421]	7204	[10090, 5440]	10561	[551, 6794]
491	[955, 956]	3848	[6333, 6422]	7205	[9098, 5232]	10562	[6209, 742]
492	[956, 957]	3849	[6423, 6424]	7206	[10091, 9858]	10563	[3262, 1971]
493	[958, 815]	3850	[6425, 5747]	7207	[1202, 10092]	10564	[2212, 6293]
494	[959, 960]	3851	[931, 6426]	7208	[10093, 10094]	10565	[6136, 770]
495	[961, 962]	3852	[6427, 2707]	7209	[10095, 4143]	10566	[227, 2373]
496	[962, 963]	3853	[6428, 2215]	7210	[9358, 473]	10567	[7152, 11598]
497	[964, 965]	3854	[129, 6429]	7211	[5027, 10096]	10568	[34, 2559]
498	[966, 967]	3855	[1958, 6430]	7212	[1842, 9215]	10569	[12133, 5836]
499	[968, 969]	3856	[51, 6241]	7213	[9955, 10097]	10570	[616, 7352]
500	[970, 971]	3857	[6431, 6243]	7214	[1048, 452]	10571	[6385, 6220]
501	[972, 740]	3858	[6432, 6433]	7215	[9894, 4099]	10572	[6387, 7089]
502	[973, 742]	3859	[1939, 2732]	7216	[1340, 4205]	10573	[2084, 3091]
503	[974, 975]	3860	[6434, 6435]	7217	[3422, 5162]	10574	[805, 12134]
504	[976, 977]	3861	[6436, 546]	7218	[10098, 4990]	10575	[6478, 6212]
505	[978, 979]	3862	[2328, 6437]	7219	[5125, 1074]	10576	[2880, 5920]
506	[980, 981]	3863	[6168, 6438]	7220	[9596, 3638]	10577	[572, 6865]
507	[982, 983]	3864	[6439, 6440]	7221	[9307, 10099]	10578	[876, 876]
508	[984, 985]	3865	[6441, 6442]	7222	[10100, 10101]	10579	[2032, 11706]
509	[986, 987]	3866	[2338, 6443]	7223	[10102, 10103]	10580	[7954, 6563]
510	[988, 989]	3867	[6444, 6445]	7224	[9775, 9931]	10581	[12096, 12135]
511	[990, 991]	3868	[6446, 2234]	7225	[3874, 10104]	10582	[11871, 3177]
512	[992, 993]	3869	[6447, 6448]	7226	[10105, 10106]	10583	[226, 2372]
513	[994, 995]	3870	[6007, 5703]	7227	[4839, 10107]	10584	[12136, 12137]
514	[996, 997]	3871	[2531, 6449]	7228	[10108, 10109]	10585	[606, 11598]
515	[998, 999]	3872	[6386, 6097]	7229	[10110, 10111]	10586	[12138, 12038]
516	[1000, 1001]	3873	[6155, 6450]	7230	[1085, 9774]	10587	[12139, 7783]
517	[1002, 1003]	3874	[6451, 6452]	7231	[8579, 10112]	10588	[7272, 11442]
518	[1004, 1005]	3875	[6453, 6454]	7232	[8744, 1053]	10589	[7912, 3173]
519	[1006, 1007]	3876	[6455, 6456]	7233	[10113, 5038]	10590	[12084, 11352]
520	[1008, 1009]	3877	[2184, 6416]	7234	[8319, 10114]	10591	[7916, 12140]
521	[1010, 1011]	3878	[6457, 874]	7235	[10115, 8740]	10592	[6973, 11648]
522	[1012, 1013]	3879	[6458, 6459]	7236	[9772, 10116]	10593	[11107, 11539]
523	[1014, 1015]	3880	[6460, 510]	7237	[10117, 1264]	10594	[1966, 11398]
524	[1016, 1017]	3881	[1974, 6461]	7238	[9154, 10118]	10595	[12079, 12141]
525	[1018, 1019]	3882	[210, 6462]	7239	[1773, 10119]	10596	[7239, 8043]
526	[1020, 1021]	3883	[6463, 6464]	7240	[1855, 10120]	10597	[7265, 7413]

527	[1022, 1023]	3884	[1898, 2199]	7241	[8163, 5128]	10598	[6960, 2722]
528	[1024, 1025]	3885	[2128, 6465]	7242	[10121, 9502]	10599	[687, 2034]
529	[1026, 1027]	3886	[6466, 3094]	7243	[10122, 8460]	10600	[11877, 6747]
530	[1028, 1029]	3887	[6467, 2991]	7244	[4868, 10123]	10601	[12142, 6686]
531	[1030, 1031]	3888	[6468, 6469]	7245	[10124, 10125]	10602	[11403, 1880]
532	[1032, 1033]	3889	[6470, 6471]	7246	[1348, 10126]	10603	[12143, 521]
533	[1034, 1035]	3890	[6472, 5739]	7247	[8935, 10127]	10604	[12144, 7420]
534	[1036, 1037]	3891	[6473, 6474]	7248	[10128, 8508]	10605	[6305, 11340]
535	[1038, 1039]	3892	[3194, 5947]	7249	[10129, 10130]	10606	[12145, 12146]
536	[1040, 1041]	3893	[6475, 6476]	7250	[1101, 10131]	10607	[12147, 7422]
537	[1042, 1043]	3894	[3275, 6477]	7251	[10132, 4449]	10608	[6298, 2512]
538	[443, 1044]	3895	[6478, 6479]	7252	[8424, 4110]	10609	[11832, 2690]
539	[1045, 1046]	3896	[6480, 6481]	7253	[10133, 10134]	10610	[2176, 2780]
540	[1047, 1048]	3897	[6482, 2131]	7254	[10135, 10136]	10611	[7741, 1898]
541	[1049, 1050]	3898	[2824, 2838]	7255	[10137, 10138]	10612	[2652, 11444]
542	[1051, 1052]	3899	[2417, 6483]	7256	[10139, 10140]	10613	[11110, 923]
543	[1053, 1054]	3900	[823, 6484]	7257	[10141, 10142]	10614	[7294, 7726]
544	[1055, 1056]	3901	[6485, 2347]	7258	[10143, 10144]	10615	[12144, 3201]
545	[1057, 1058]	3902	[649, 6486]	7259	[10054, 10145]	10616	[6020, 3232]
546	[1059, 1060]	3903	[6357, 6487]	7260	[9979, 10146]	10617	[851, 6919]
547	[1061, 1062]	3904	[2513, 3103]	7261	[9095, 10147]	10618	[11020, 909]
548	[1063, 1064]	3905	[6488, 2961]	7262	[1502, 10148]	10619	[7784, 11016]
549	[1065, 1066]	3906	[657, 6489]	7263	[10149, 9029]	10620	[11536, 11281]
550	[1067, 1068]	3907	[6490, 6319]	7264	[8194, 10150]	10621	[11920, 11580]
551	[1069, 481]	3908	[5762, 6491]	7265	[3975, 10151]	10622	[2815, 1865]
552	[1070, 1071]	3909	[6216, 6492]	7266	[5042, 1004]	10623	[3113, 11074]
553	[1072, 1073]	3910	[2196, 3014]	7267	[10152, 1059]	10624	[11954, 5776]
554	[1074, 1075]	3911	[6493, 5852]	7268	[10153, 10154]	10625	[7836, 11258]
555	[1076, 1077]	3912	[547, 150]	7269	[9803, 10155]	10626	[7843, 2968]
556	[1078, 1079]	3913	[6494, 5849]	7270	[10156, 4714]	10627	[11697, 6108]
557	[1080, 1081]	3914	[6495, 6496]	7271	[8295, 5601]	10628	[2546, 837]
558	[1082, 1083]	3915	[6497, 6498]	7272	[10157, 10158]	10629	[12023, 7160]
559	[1084, 1085]	3916	[954, 1876]	7273	[10159, 4654]	10630	[2486, 12148]
560	[1086, 1087]	3917	[906, 6499]	7274	[10160, 5153]	10631	[7809, 2229]
561	[1088, 1089]	3918	[2621, 6500]	7275	[10126, 1817]	10632	[7492, 595]
562	[1090, 1091]	3919	[6501, 2849]	7276	[5025, 9568]	10633	[2480, 5991]
563	[1092, 1093]	3920	[6280, 2758]	7277	[10161, 10162]	10634	[7481, 2808]
564	[1094, 1095]	3921	[6502, 2512]	7278	[4735, 4322]	10635	[6034, 6238]
565	[1096, 1097]	3922	[6503, 6504]	7279	[1578, 3985]	10636	[7732, 11315]
566	[1098, 1099]	3923	[5862, 6274]	7280	[4829, 8519]	10637	[7138, 8005]
567	[1100, 1101]	3924	[2793, 6505]	7281	[1584, 10163]	10638	[2472, 7501]
568	[1102, 1103]	3925	[6374, 6506]	7282	[10164, 10165]	10639	[12149, 8050]
569	[1104, 1105]	3926	[6507, 2604]	7283	[10166, 10167]	10640	[12150, 799]
570	[1106, 1107]	3927	[6506, 2783]	7284	[5487, 10168]	10641	[8005, 7010]

571	[1108, 1109]	3928	[6375, 3029]	7285	[10169, 10170]	10642	[12151, 7775]
572	[1110, 1111]	3929	[3159, 895]	7286	[4395, 10171]	10643	[7240, 7015]
573	[1112, 1113]	3930	[728, 6508]	7287	[1218, 10172]	10644	[12152, 6976]
574	[1114, 1115]	3931	[895, 2605]	7288	[8821, 9390]	10645	[6074, 8018]
575	[1116, 1117]	3932	[6509, 6510]	7289	[9432, 10124]	10646	[6872, 868]
576	[1118, 1119]	3933	[6508, 2226]	7290	[10173, 4182]	10647	[6229, 623]
577	[1120, 1121]	3934	[2672, 2159]	7291	[365, 9040]	10648	[12153, 7704]
578	[1122, 1123]	3935	[3081, 6511]	7292	[10174, 10175]	10649	[2078, 12154]
579	[1124, 1125]	3936	[6372, 610]	7293	[10176, 5058]	10650	[7891, 12155]
580	[1126, 1127]	3937	[3078, 6509]	7294	[263, 10177]	10651	[12007, 12156]
581	[1128, 1129]	3938	[6511, 6508]	7295	[8906, 10178]	10652	[11599, 2481]
582	[1130, 1131]	3939	[6512, 6458]	7296	[10179, 10039]	10653	[12157, 7557]
583	[1132, 1133]	3940	[2427, 6513]	7297	[9373, 10180]	10654	[8067, 7050]
584	[502, 376]	3941	[6514, 2330]	7298	[10181, 10182]	10655	[6638, 11466]
585	[1134, 1135]	3942	[6515, 6516]	7299	[10183, 10184]	10656	[7448, 6409]
586	[1136, 1137]	3943	[2656, 6517]	7300	[10185, 10186]	10657	[7985, 7764]
587	[1138, 1139]	3944	[6518, 6456]	7301	[407, 10187]	10658	[7763, 11551]
588	[1140, 1141]	3945	[6389, 2974]	7302	[10188, 10189]	10659	[3033, 12158]
589	[1142, 1143]	3946	[6519, 805]	7303	[10190, 10191]	10660	[12159, 3214]
590	[1144, 1145]	3947	[6520, 6216]	7304	[10192, 9860]	10661	[12160, 12161]
591	[1146, 1147]	3948	[6521, 2300]	7305	[1077, 10193]	10662	[11336, 2241]
592	[449, 1148]	3949	[3085, 6522]	7306	[10136, 10194]	10663	[11657, 734]
593	[1149, 1120]	3950	[6523, 6524]	7307	[70, 10195]	10664	[11858, 2041]
594	[1150, 1151]	3951	[944, 6525]	7308	[4498, 10196]	10665	[6912, 580]
595	[1152, 1153]	3952	[921, 6526]	7309	[9099, 5237]	10666	[11380, 11765]
596	[1154, 1155]	3953	[727, 2925]	7310	[9822, 10197]	10667	[11681, 2332]
597	[1156, 1157]	3954	[6527, 6528]	7311	[10198, 10199]	10668	[12162, 6449]
598	[1158, 1159]	3955	[6529, 6530]	7312	[5033, 10200]	10669	[7497, 2345]
599	[1160, 1161]	3956	[6531, 5867]	7313	[5572, 5371]	10670	[2258, 7304]
600	[357, 1162]	3957	[6532, 5994]	7314	[10201, 10202]	10671	[954, 2708]
601	[1163, 1164]	3958	[253, 2380]	7315	[8928, 3678]	10672	[826, 7813]
602	[1165, 1166]	3959	[6400, 6533]	7316	[10203, 10008]	10673	[12128, 12163]
603	[1167, 1168]	3960	[6534, 6535]	7317	[8210, 3652]	10674	[12, 2154]
604	[1169, 1170]	3961	[6536, 6537]	7318	[9746, 9583]	10675	[3143, 7364]
605	[1171, 1172]	3962	[2894, 2089]	7319	[10204, 434]	10676	[12011, 11102]
606	[1173, 1174]	3963	[6538, 5870]	7320	[5301, 10205]	10677	[12042, 6387]
607	[425, 1175]	3964	[6316, 6539]	7321	[9733, 4652]	10678	[11267, 12164]
608	[1176, 1177]	3965	[6540, 2277]	7322	[3717, 3512]	10679	[8019, 6285]
609	[1178, 1179]	3966	[3227, 6541]	7323	[8639, 266]	10680	[12165, 12166]
610	[1180, 1181]	3967	[2057, 3055]	7324	[10206, 10207]	10681	[7815, 6929]
611	[1182, 1183]	3968	[6542, 808]	7325	[10208, 5414]	10682	[2030, 6336]
612	[1184, 346]	3969	[6543, 2520]	7326	[8126, 3457]	10683	[148, 12167]
613	[1185, 1186]	3970	[1910, 2935]	7327	[8911, 10209]	10684	[12066, 12124]
614	[1187, 1188]	3971	[6044, 6544]	7328	[10210, 10211]	10685	[12168, 12156]

615	[1189, 1190]	3972	[6545, 6546]	7329	[10212, 10213]	10686	[12009, 6335]
616	[1191, 1192]	3973	[6547, 6548]	7330	[8657, 10214]	10687	[11601, 3140]
617	[1193, 1194]	3974	[6549, 6550]	7331	[10215, 10216]	10688	[6563, 11963]
618	[1195, 1196]	3975	[6551, 6552]	7332	[10217, 10218]	10689	[12152, 11939]
619	[1197, 1198]	3976	[3084, 6553]	7333	[10219, 1604]	10690	[11464, 6973]
620	[1199, 1200]	3977	[6554, 6555]	7334	[10220, 5465]	10691	[2390, 11035]
621	[1201, 1202]	3978	[3218, 6556]	7335	[10221, 10222]	10692	[6260, 6041]
622	[1203, 1204]	3979	[2830, 2745]	7336	[10223, 10224]	10693	[7692, 5693]
623	[1205, 1206]	3980	[6557, 2828]	7337	[10225, 10226]	10694	[804, 7335]
624	[1207, 1208]	3981	[6558, 2534]	7338	[10227, 4606]	10695	[8098, 3120]
625	[1209, 1210]	3982	[2958, 6559]	7339	[10228, 10229]	10696	[7318, 11577]
626	[1211, 1212]	3983	[3134, 6560]	7340	[10230, 1047]	10697	[6219, 6544]
627	[1213, 1214]	3984	[6561, 2236]	7341	[10231, 1353]	10698	[11791, 7292]
628	[1215, 1216]	3985	[6479, 6213]	7342	[4417, 10232]	10699	[2430, 6601]
629	[1217, 1218]	3986	[6562, 6563]	7343	[5227, 10233]	10700	[7225, 11615]
630	[1219, 1220]	3987	[6564, 5841]	7344	[10234, 10235]	10701	[6043, 11807]
631	[1221, 1222]	3988	[6443, 5858]	7345	[10236, 10237]	10702	[5811, 6092]
632	[1223, 1224]	3989	[2472, 6565]	7346	[10238, 10239]	10703	[6468, 2283]
633	[1225, 1226]	3990	[6566, 6567]	7347	[9839, 10240]	10704	[3212, 12060]
634	[1227, 1228]	3991	[6568, 6569]	7348	[9543, 8872]	10705	[12169, 7535]
635	[1229, 1230]	3992	[697, 6570]	7349	[10241, 349]	10706	[11750, 7882]
636	[1231, 1232]	3993	[6571, 6429]	7350	[4137, 10242]	10707	[7730, 7432]
637	[1233, 1234]	3994	[6572, 6573]	7351	[4223, 10243]	10708	[558, 6945]
638	[1235, 456]	3995	[6125, 6574]	7352	[10244, 4481]	10709	[1912, 12170]
639	[1236, 1237]	3996	[2979, 3209]	7353	[1687, 10245]	10710	[889, 2001]
640	[1238, 1239]	3997	[6575, 6576]	7354	[10246, 10247]	10711	[11228, 11855]
641	[1240, 1241]	3998	[2104, 6573]	7355	[10248, 3674]	10712	[11352, 762]
642	[1242, 1243]	3999	[6577, 6420]	7356	[10249, 8269]	10713	[12171, 2702]
643	[1244, 1245]	4000	[6290, 6578]	7357	[10250, 1394]	10714	[6551, 11603]
644	[1246, 1247]	4001	[599, 3264]	7358	[4077, 10251]	10715	[6449, 11355]
645	[1248, 1249]	4002	[6579, 6580]	7359	[10252, 10253]	10716	[2743, 2025]
646	[1250, 1251]	4003	[6581, 6582]	7360	[8534, 298]	10717	[11721, 7949]
647	[1252, 1253]	4004	[6583, 2232]	7361	[10254, 9972]	10718	[12172, 2746]
648	[1254, 1255]	4005	[6584, 6585]	7362	[10255, 10256]	10719	[3248, 6720]
649	[1256, 1257]	4006	[5787, 6586]	7363	[474, 9224]	10720	[11381, 6722]
650	[1258, 1259]	4007	[6587, 2272]	7364	[4433, 3598]	10721	[5842, 11943]
651	[1260, 1261]	4008	[6588, 6441]	7365	[10257, 8913]	10722	[6172, 11823]
652	[1262, 1263]	4009	[6589, 6590]	7366	[10258, 10259]	10723	[2717, 11273]
653	[317, 294]	4010	[6579, 6452]	7367	[10260, 10261]	10724	[7211, 2671]
654	[1264, 1265]	4011	[9, 6591]	7368	[10262, 4331]	10725	[2224, 7795]
655	[1266, 1267]	4012	[2453, 6592]	7369	[10263, 5249]	10726	[3030, 2221]
656	[1268, 1269]	4013	[5896, 6593]	7370	[10264, 4944]	10727	[2162, 11515]
657	[1270, 1271]	4014	[2608, 6594]	7371	[10265, 10266]	10728	[2797, 12173]
658	[1272, 1273]	4015	[6451, 6580]	7372	[10267, 10268]	10729	[2459, 7080]

659	[1274, 1275]	4016	[6595, 6596]	7373	[1023, 8483]	10730	[12174, 6854]
660	[1276, 1277]	4017	[6453, 6597]	7374	[10269, 10270]	10731	[7312, 7936]
661	[1278, 1279]	4018	[6598, 6171]	7375	[9088, 10271]	10732	[11790, 2287]
662	[1280, 1281]	4019	[6599, 2939]	7376	[10272, 10273]	10733	[7077, 2672]
663	[1282, 1283]	4020	[6600, 6601]	7377	[5375, 5581]	10734	[6641, 7965]
664	[1284, 1285]	4021	[6602, 792]	7378	[1328, 1618]	10735	[5830, 12175]
665	[1286, 1287]	4022	[6162, 6603]	7379	[10274, 10275]	10736	[12176, 6531]
666	[1288, 1289]	4023	[3199, 3130]	7380	[8164, 5067]	10737	[11596, 11582]
667	[1290, 1291]	4024	[6591, 6604]	7381	[10276, 10277]	10738	[11780, 7901]
668	[1292, 1293]	4025	[6605, 149]	7382	[9479, 9735]	10739	[11216, 11130]
669	[1294, 1295]	4026	[6606, 6607]	7383	[5183, 4532]	10740	[8100, 11062]
670	[1296, 1297]	4027	[3175, 2305]	7384	[10278, 10029]	10741	[7109, 935]
671	[1298, 1299]	4028	[5905, 6608]	7385	[10279, 1260]	10742	[2307, 11948]
672	[1300, 1301]	4029	[5809, 2984]	7386	[10280, 10281]	10743	[5807, 6720]
673	[1302, 1303]	4030	[6609, 6610]	7387	[4709, 8548]	10744	[6859, 2695]
674	[1304, 1305]	4031	[2439, 6611]	7388	[10282, 10283]	10745	[6527, 11255]
675	[1306, 1307]	4032	[6612, 3006]	7389	[10284, 10285]	10746	[7664, 2711]
676	[1308, 1309]	4033	[6613, 6521]	7390	[10286, 10287]	10747	[11945, 11030]
677	[1310, 1311]	4034	[6614, 3012]	7391	[8577, 10288]	10748	[7636, 2581]
678	[1312, 1313]	4035	[2247, 6615]	7392	[10289, 10173]	10749	[11342, 11717]
679	[1314, 1315]	4036	[6174, 6616]	7393	[10290, 10291]	10750	[11226, 2620]
680	[1316, 1317]	4037	[938, 6617]	7394	[492, 10292]	10751	[12171, 7765]
681	[1318, 1319]	4038	[3176, 904]	7395	[10293, 8576]	10752	[12116, 882]
682	[1320, 1321]	4039	[6618, 5988]	7396	[3965, 10294]	10753	[5851, 7993]
683	[1322, 280]	4040	[5774, 6619]	7397	[1787, 5079]	10754	[11293, 7102]
684	[1323, 1324]	4041	[6620, 6621]	7398	[9694, 3919]	10755	[11351, 6239]
685	[1325, 1326]	4042	[6622, 6623]	7399	[10295, 8834]	10756	[12032, 1977]
686	[1327, 1328]	4043	[6624, 963]	7400	[10296, 10297]	10757	[11343, 11718]
687	[1329, 1330]	4044	[6625, 6626]	7401	[9539, 9352]	10758	[2758, 6036]
688	[1331, 1332]	4045	[6534, 6302]	7402	[10298, 10299]	10759	[11970, 200]
689	[1333, 1334]	4046	[970, 6627]	7403	[9838, 4022]	10760	[2446, 2503]
690	[1335, 1336]	4047	[725, 3085]	7404	[10300, 10301]	10761	[6556, 7950]
691	[1337, 1338]	4048	[6628, 6629]	7405	[10302, 3766]	10762	[6165, 6155]
692	[1339, 1340]	4049	[866, 2586]	7406	[10303, 10220]	10763	[12094, 6937]
693	[1341, 1342]	4050	[2567, 1909]	7407	[10304, 10087]	10764	[2452, 2786]
694	[1343, 1344]	4051	[2554, 6630]	7408	[10305, 10306]	10765	[938, 7293]
695	[1345, 1346]	4052	[6631, 6632]	7409	[3473, 10307]	10766	[11685, 12177]
696	[1347, 1348]	4053	[6633, 6634]	7410	[9410, 4089]	10767	[7819, 6529]
697	[1349, 1350]	4054	[635, 5727]	7411	[4206, 10308]	10768	[11574, 11358]
698	[1351, 1352]	4055	[6635, 6636]	7412	[9736, 10062]	10769	[12178, 11570]
699	[1353, 1354]	4056	[6637, 6638]	7413	[9558, 10309]	10770	[3118, 11469]
700	[1355, 1356]	4057	[6639, 6324]	7414	[10310, 10311]	10771	[11669, 2868]
701	[1357, 1358]	4058	[6640, 6641]	7415	[4382, 9739]	10772	[11833, 2540]
702	[1359, 1360]	4059	[6642, 6492]	7416	[10312, 9453]	10773	[11011, 3244]

703	[1361, 1362]	4060	[6643, 2021]	7417	[10313, 10314]	10774	[7691, 6267]
704	[1363, 1364]	4061	[6644, 160]	7418	[10315, 10316]	10775	[12179, 11264]
705	[1365, 1366]	4062	[6645, 6646]	7419	[4094, 3345]	10776	[7871, 11118]
706	[1367, 1368]	4063	[6647, 747]	7420	[10317, 10318]	10777	[2120, 6771]
707	[1369, 1370]	4064	[6648, 1892]	7421	[8584, 10319]	10778	[11988, 12180]
708	[1371, 1372]	4065	[6649, 6650]	7422	[10320, 10321]	10779	[3103, 11901]
709	[1373, 1374]	4066	[6651, 6652]	7423	[4172, 9440]	10780	[11255, 7033]
710	[1375, 1376]	4067	[6653, 6654]	7424	[10322, 10323]	10781	[12038, 7296]
711	[1377, 1378]	4068	[6655, 6656]	7425	[10324, 10325]	10782	[11503, 2310]
712	[995, 1379]	4069	[3145, 2140]	7426	[10326, 10327]	10783	[11114, 2528]
713	[1380, 1381]	4070	[550, 6657]	7427	[5490, 9208]	10784	[12181, 11770]
714	[1382, 1383]	4071	[6658, 6659]	7428	[10328, 10329]	10785	[6178, 11496]
715	[1384, 1385]	4072	[6660, 6661]	7429	[1261, 3576]	10786	[2563, 6713]
716	[1386, 1387]	4073	[6662, 6663]	7430	[10330, 10331]	10787	[11997, 11930]
717	[1388, 1389]	4074	[6664, 6665]	7431	[1374, 10332]	10788	[7571, 6907]
718	[1390, 1391]	4075	[711, 3059]	7432	[10333, 8246]	10789	[155, 12085]
719	[1392, 1393]	4076	[6666, 5713]	7433	[3514, 4002]	10790	[8088, 2097]
720	[1394, 1395]	4077	[6293, 2443]	7434	[451, 5330]	10791	[7826, 6398]
721	[1396, 1397]	4078	[6667, 6668]	7435	[5215, 10334]	10792	[12182, 879]
722	[1398, 1399]	4079	[6669, 6418]	7436	[10335, 9023]	10793	[11038, 12113]
723	[1400, 1401]	4080	[6670, 6632]	7437	[3742, 9942]	10794	[11534, 6852]
724	[1402, 1403]	4081	[6671, 6282]	7438	[10336, 9935]	10795	[11957, 12062]
725	[1404, 1405]	4082	[6672, 3153]	7439	[9118, 10337]	10796	[7878, 11782]
726	[1406, 1407]	4083	[2226, 6506]	7440	[10338, 10339]	10797	[7474, 2363]
727	[1408, 1199]	4084	[6673, 2367]	7441	[10340, 10341]	10798	[12183, 968]
728	[1409, 1410]	4085	[6674, 875]	7442	[3692, 10342]	10799	[6891, 12113]
729	[1411, 1136]	4086	[3164, 5907]	7443	[3366, 10343]	10800	[12184, 12185]
730	[1412, 1413]	4087	[6675, 6676]	7444	[4504, 8775]	10801	[11199, 738]
731	[1414, 1415]	4088	[6677, 6678]	7445	[10186, 10344]	10802	[7615, 12186]
732	[1416, 1417]	4089	[6679, 2525]	7446	[1724, 3991]	10803	[11909, 11587]
733	[1418, 487]	4090	[6680, 6681]	7447	[10345, 10346]	10804	[11428, 5975]
734	[1419, 1420]	4091	[6682, 6683]	7448	[10347, 10348]	10805	[11980, 2719]
735	[1421, 1422]	4092	[6532, 6684]	7449	[379, 10349]	10806	[11066, 5969]
736	[1423, 1424]	4093	[2237, 6685]	7450	[10350, 10351]	10807	[36, 11604]
737	[1425, 1426]	4094	[6686, 748]	7451	[10352, 10353]	10808	[12187, 12188]
738	[1427, 1428]	4095	[6687, 6688]	7452	[8458, 10354]	10809	[6071, 11100]
739	[1429, 1430]	4096	[6008, 6301]	7453	[10355, 10356]	10810	[7798, 608]
740	[1431, 1432]	4097	[6689, 6690]	7454	[10357, 10358]	10811	[6066, 6796]
741	[1433, 1434]	4098	[961, 6691]	7455	[10359, 10360]	10812	[11913, 12189]
742	[1435, 1436]	4099	[810, 5782]	7456	[5143, 8447]	10813	[11262, 11981]
743	[1437, 1438]	4100	[2571, 6692]	7457	[9843, 10361]	10814	[7261, 3032]
744	[1439, 1440]	4101	[6693, 6694]	7458	[10362, 5021]	10815	[12190, 12191]
745	[1441, 1442]	4102	[6695, 6696]	7459	[10363, 10364]	10816	[12192, 11339]
746	[1443, 1444]	4103	[6697, 6698]	7460	[10365, 10095]	10817	[3038, 3136]

747	[306, 1445]	4104	[6699, 5737]	7461	[10366, 3741]	10818	[6029, 7038]
748	[1446, 1390]	4105	[6700, 2098]	7462	[1179, 4636]	10819	[7625, 11119]
749	[1447, 1448]	4106	[6701, 6702]	7463	[10367, 10368]	10820	[6537, 6345]
750	[1449, 1450]	4107	[6662, 3117]	7464	[10369, 5474]	10821	[811, 12049]
751	[1451, 1452]	4108	[6703, 6704]	7465	[10370, 5460]	10822	[12193, 2946]
752	[1453, 1454]	4109	[6705, 2244]	7466	[10371, 10372]	10823	[11717, 12194]
753	[1455, 1456]	4110	[6706, 6707]	7467	[10373, 10374]	10824	[7851, 12195]
754	[1457, 1458]	4111	[6708, 6556]	7468	[10375, 10376]	10825	[11962, 2372]
755	[1459, 1272]	4112	[6117, 6709]	7469	[10377, 10378]	10826	[7743, 12196]
756	[1460, 1461]	4113	[6172, 6710]	7470	[10379, 10380]	10827	[12197, 11044]
757	[1462, 1463]	4114	[6599, 6711]	7471	[10381, 274]	10828	[5878, 7312]
758	[1464, 1465]	4115	[6712, 6713]	7472	[4321, 10382]	10829	[12150, 2773]
759	[1466, 1467]	4116	[6714, 6715]	7473	[4135, 10383]	10830	[12078, 7759]
760	[1468, 1469]	4117	[6706, 6716]	7474	[10384, 4126]	10831	[7937, 7191]
761	[1470, 1471]	4118	[6717, 6064]	7475	[10385, 1688]	10832	[11993, 12198]
762	[1472, 1473]	4119	[2281, 6718]	7476	[5251, 10190]	10833	[12199, 11811]
763	[1474, 311]	4120	[6719, 6661]	7477	[9315, 10386]	10834	[11925, 7406]
764	[1475, 1476]	4121	[6646, 2119]	7478	[10387, 10388]	10835	[11906, 12200]
765	[1477, 1478]	4122	[6720, 6721]	7479	[10389, 5395]	10836	[2886, 12201]
766	[1479, 1480]	4123	[6722, 6723]	7480	[10390, 4556]	10837	[5939, 12202]
767	[1481, 1482]	4124	[6724, 6725]	7481	[10391, 10392]	10838	[5718, 11662]
768	[1483, 1484]	4125	[6726, 6727]	7482	[10393, 10132]	10839	[7831, 6938]
769	[1485, 1486]	4126	[6728, 6729]	7483	[10394, 10395]	10840	[6880, 5898]
770	[1487, 1488]	4127	[6165, 6730]	7484	[10222, 10396]	10841	[7503, 6447]
771	[1489, 1490]	4128	[52, 6242]	7485	[8722, 10397]	10842	[12203, 7666]
772	[1491, 1492]	4129	[6731, 2184]	7486	[8399, 10398]	10843	[11347, 11075]
773	[1493, 1494]	4130	[6732, 3045]	7487	[10399, 10400]	10844	[11780, 2018]
774	[1495, 1496]	4131	[6733, 6734]	7488	[10401, 10402]	10845	[2578, 6466]
775	[1497, 1498]	4132	[6735, 6736]	7489	[10191, 117]	10846	[12045, 8095]
776	[1499, 1500]	4133	[6737, 1903]	7490	[9709, 5634]	10847	[5688, 6434]
777	[1501, 1502]	4134	[6191, 6738]	7491	[10403, 10404]	10848	[12204, 6343]
778	[1503, 1504]	4135	[6739, 2652]	7492	[10405, 10406]	10849	[7507, 2172]
779	[1505, 1506]	4136	[2315, 6740]	7493	[5503, 10407]	10850	[12205, 776]
780	[1507, 1508]	4137	[6741, 6742]	7494	[10408, 10409]	10851	[11696, 11661]
781	[1509, 1510]	4138	[6743, 6744]	7495	[10410, 5106]	10852	[7122, 2014]
782	[1511, 1512]	4139	[6745, 6746]	7496	[10411, 4242]	10853	[7415, 947]
783	[1192, 1049]	4140	[6747, 2190]	7497	[9976, 1010]	10854	[6431, 2896]
784	[1513, 1514]	4141	[2759, 648]	7498	[1041, 10412]	10855	[11430, 5839]
785	[1515, 1516]	4142	[6578, 6748]	7499	[10413, 10414]	10856	[11351, 11678]
786	[1517, 1518]	4143	[963, 6749]	7500	[9576, 3739]	10857	[11761, 7806]
787	[1519, 1520]	4144	[2764, 6750]	7501	[10415, 9780]	10858	[7132, 50]
788	[1521, 1522]	4145	[6364, 2452]	7502	[4368, 10416]	10859	[6046, 2492]
789	[1523, 1524]	4146	[6751, 6752]	7503	[5133, 9956]	10860	[12162, 2532]
790	[1525, 1526]	4147	[135, 2187]	7504	[3336, 10417]	10861	[6523, 918]

791	[1527, 1528]	4148	[6753, 6099]	7505	[9424, 5561]	10862	[11090, 7801]
792	[1529, 1530]	4149	[6754, 6755]	7506	[10418, 10419]	10863	[704, 12206]
793	[1531, 1532]	4150	[6220, 6756]	7507	[10420, 10421]	10864	[5971, 7991]
794	[1533, 1534]	4151	[6757, 2634]	7508	[9165, 8720]	10865	[6359, 6740]
795	[1535, 1536]	4152	[6758, 6759]	7509	[8290, 10422]	10866	[11285, 11806]
796	[1005, 1537]	4153	[943, 6412]	7510	[3950, 5637]	10867	[2616, 11237]
797	[1538, 1539]	4154	[6760, 6761]	7511	[8544, 10423]	10868	[12207, 58]
798	[1540, 1541]	4155	[928, 2609]	7512	[1161, 10424]	10869	[12208, 219]
799	[1542, 1543]	4156	[6762, 721]	7513	[10425, 4008]	10870	[6517, 2364]
800	[1544, 424]	4157	[6763, 6764]	7514	[10426, 10427]	10871	[2687, 11082]
801	[1545, 1546]	4158	[6765, 6766]	7515	[10428, 10429]	10872	[6441, 5883]
802	[1547, 1548]	4159	[6767, 2174]	7516	[10430, 10431]	10873	[11289, 7162]
803	[1549, 1550]	4160	[5852, 6768]	7517	[10432, 10433]	10874	[2982, 12198]
804	[1551, 1552]	4161	[2003, 6769]	7518	[10434, 1788]	10875	[2896, 12122]
805	[1553, 1554]	4162	[6770, 6549]	7519	[10435, 10436]	10876	[7470, 6195]
806	[1555, 1556]	4163	[6173, 6771]	7520	[10437, 3330]	10877	[12074, 12189]
807	[1557, 1558]	4164	[6772, 5697]	7521	[441, 10438]	10878	[11884, 7850]
808	[1559, 1560]	4165	[6773, 6774]	7522	[9439, 10439]	10879	[12209, 5934]
809	[1561, 1562]	4166	[3103, 6775]	7523	[10440, 1300]	10880	[2107, 2921]
810	[1563, 1564]	4167	[6776, 6777]	7524	[10441, 9552]	10881	[11134, 12210]
811	[1565, 1566]	4168	[6778, 6779]	7525	[3760, 10442]	10882	[3233, 11284]
812	[1567, 1568]	4169	[6780, 5920]	7526	[10443, 10444]	10883	[11100, 7901]
813	[1569, 1570]	4170	[6479, 5752]	7527	[4520, 3557]	10884	[7796, 2999]
814	[1571, 1572]	4171	[6303, 6781]	7528	[10445, 10446]	10885	[12096, 7236]
815	[1573, 1574]	4172	[5933, 6782]	7529	[10447, 5639]	10886	[12211, 12001]
816	[1575, 1576]	4173	[6783, 524]	7530	[10448, 10449]	10887	[12212, 11262]
817	[1577, 1578]	4174	[6784, 6785]	7531	[10450, 10451]	10888	[12213, 12185]
818	[1579, 1580]	4175	[6786, 6787]	7532	[10452, 10453]	10889	[8070, 7798]
819	[1581, 1582]	4176	[6788, 867]	7533	[10454, 10455]	10890	[11478, 2122]
820	[1583, 1584]	4177	[6789, 1906]	7534	[10456, 10457]	10891	[6393, 6542]
821	[1585, 1586]	4178	[6790, 6167]	7535	[10458, 10459]	10892	[2401, 6023]
822	[1587, 1588]	4179	[6791, 6792]	7536	[10460, 10461]	10893	[6950, 7290]
823	[1589, 1590]	4180	[2781, 6793]	7537	[4565, 10462]	10894	[12081, 11701]
824	[1440, 1591]	4181	[2227, 2783]	7538	[10463, 4800]	10895	[2998, 3076]
825	[1592, 1593]	4182	[6794, 6795]	7539	[1370, 10464]	10896	[2903, 12214]
826	[1594, 1595]	4183	[6414, 6796]	7540	[10465, 10466]	10897	[11880, 3223]
827	[1596, 1597]	4184	[6230, 6797]	7541	[10467, 4916]	10898	[7352, 783]
828	[1598, 1599]	4185	[2015, 2924]	7542	[4570, 10468]	10899	[519, 7920]
829	[1600, 1601]	4186	[6798, 6799]	7543	[4081, 3735]	10900	[11503, 11390]
830	[1602, 1603]	4187	[6800, 6801]	7544	[10469, 1529]	10901	[6815, 7821]
831	[1604, 1605]	4188	[5765, 1914]	7545	[8420, 8874]	10902	[2171, 6028]
832	[1606, 1607]	4189	[6802, 6803]	7546	[10040, 5008]	10903	[7677, 12083]
833	[1608, 1609]	4190	[6804, 6805]	7547	[8753, 4903]	10904	[12215, 5837]
834	[1610, 1611]	4191	[2488, 6806]	7548	[3834, 3949]	10905	[2371, 7214]

835	[1612, 1613]	4192	[6807, 6288]	7549	[10470, 1002]	10906	[7941, 12216]
836	[1614, 1615]	4193	[601, 6808]	7550	[3540, 10471]	10907	[3060, 11163]
837	[1616, 1617]	4194	[5812, 6809]	7551	[10472, 10473]	10908	[3011, 3163]
838	[1618, 1619]	4195	[5728, 2026]	7552	[10474, 10475]	10909	[2178, 7150]
839	[1620, 1621]	4196	[2321, 6810]	7553	[5638, 10476]	10910	[6399, 900]
840	[1622, 1623]	4197	[6376, 3030]	7554	[10477, 5367]	10911	[11193, 11629]
841	[1624, 1625]	4198	[6811, 2674]	7555	[10478, 10479]	10912	[12217, 7380]
842	[1626, 1173]	4199	[6812, 6813]	7556	[10480, 10481]	10913	[7663, 2710]
843	[1125, 1571]	4200	[6814, 6815]	7557	[10482, 4238]	10914	[6566, 7271]
844	[1627, 1573]	4201	[1886, 6816]	7558	[4700, 10483]	10915	[12176, 5866]
845	[1628, 1629]	4202	[6817, 2325]	7559	[993, 4694]	10916	[6658, 7658]
846	[1630, 1631]	4203	[6818, 6819]	7560	[10398, 10484]	10917	[11565, 2156]
847	[1632, 1633]	4204	[6820, 6537]	7561	[10485, 10486]	10918	[12218, 11586]
848	[1634, 1635]	4205	[2699, 6821]	7562	[10487, 10488]	10919	[12219, 3161]
849	[1636, 1637]	4206	[6822, 674]	7563	[4234, 8561]	10920	[12220, 12221]
850	[1638, 1639]	4207	[6823, 6824]	7564	[9968, 10489]	10921	[2185, 11671]
851	[1640, 1641]	4208	[2614, 2192]	7565	[10490, 10491]	10922	[7058, 2505]
852	[1642, 1643]	4209	[2112, 2763]	7566	[10492, 5551]	10923	[199, 3058]
853	[1644, 1645]	4210	[1905, 6825]	7567	[8431, 5300]	10924	[5966, 934]
854	[1646, 1647]	4211	[6826, 3027]	7568	[10493, 10494]	10925	[12193, 11540]
855	[1648, 1649]	4212	[6827, 6066]	7569	[10495, 1142]	10926	[8051, 12222]
856	[1650, 1651]	4213	[6828, 6322]	7570	[10057, 9756]	10927	[2948, 6153]
857	[1652, 1653]	4214	[2581, 2836]	7571	[9857, 10496]	10928	[11498, 6059]
858	[1654, 1655]	4215	[6829, 2505]	7572	[10497, 10498]	10929	[648, 11837]
859	[1656, 1657]	4216	[6830, 2157]	7573	[10499, 4482]	10930	[647, 2760]
860	[1658, 1659]	4217	[6831, 6832]	7574	[10500, 10501]	10931	[6629, 12196]
861	[1660, 1661]	4218	[6833, 6834]	7575	[10502, 10503]	10932	[835, 11371]
862	[1662, 1663]	4219	[167, 6125]	7576	[9923, 3676]	10933	[7825, 3084]
863	[1664, 1665]	4220	[1984, 6835]	7577	[10504, 4549]	10934	[11364, 3191]
864	[1666, 1667]	4221	[6836, 926]	7578	[10421, 10505]	10935	[7047, 3137]
865	[1668, 1669]	4222	[5807, 3249]	7579	[10506, 10507]	10936	[11852, 7630]
866	[1670, 1671]	4223	[2507, 6837]	7580	[10508, 10509]	10937	[6836, 2504]
867	[1672, 1673]	4224	[5840, 6838]	7581	[10510, 4026]	10938	[2309, 11390]
868	[1674, 1675]	4225	[6839, 2013]	7582	[1145, 10511]	10939	[929, 11207]
869	[1676, 1677]	4226	[6840, 6841]	7583	[10512, 10513]	10940	[11022, 5987]
870	[1678, 1679]	4227	[251, 622]	7584	[3419, 5463]	10941	[12223, 2663]
871	[1591, 1680]	4228	[3240, 6842]	7585	[10514, 1606]	10942	[7255, 11842]
872	[1681, 1682]	4229	[6843, 2626]	7586	[1582, 10515]	10943	[12224, 828]
873	[1683, 1684]	4230	[6753, 570]	7587	[1017, 10516]	10944	[11652, 1868]
874	[1685, 1462]	4231	[6844, 2498]	7588	[10517, 8718]	10945	[11116, 11993]
875	[1686, 1687]	4232	[6845, 5977]	7589	[10518, 10519]	10946	[7849, 11885]
876	[1688, 1689]	4233	[6846, 6847]	7590	[1046, 10520]	10947	[11513, 6494]
877	[877, 877]	4234	[6848, 145]	7591	[10521, 10522]	10948	[11229, 5789]
878	[1690, 1691]	4235	[1983, 6849]	7592	[10523, 5317]	10949	[5776, 12225]

879	[1692, 1693]	4236	[6850, 6851]	7593	[10455, 10086]	10950	[858, 11295]
880	[1694, 1695]	4237	[6852, 2450]	7594	[8879, 10524]	10951	[11656, 6792]
881	[1696, 1697]	4238	[6853, 6854]	7595	[1383, 10525]	10952	[7715, 5965]
882	[1698, 1699]	4239	[6855, 6856]	7596	[10526, 10527]	10953	[12226, 11334]
883	[1700, 1701]	4240	[2576, 6857]	7597	[9214, 4513]	10954	[7179, 3144]
884	[1702, 1703]	4241	[6858, 6859]	7598	[9752, 9008]	10955	[6715, 7471]
885	[1704, 1705]	4242	[6860, 749]	7599	[10528, 9082]	10956	[7743, 11786]
886	[1706, 1707]	4243	[573, 858]	7600	[3475, 8417]	10957	[2626, 11908]
887	[1516, 1708]	4244	[2749, 6861]	7601	[10529, 10530]	10958	[7687, 7733]
888	[1709, 1710]	4245	[6862, 6863]	7602	[4466, 10531]	10959	[11960, 6597]
889	[1711, 1712]	4246	[6207, 1971]	7603	[10532, 9695]	10960	[12227, 7165]
890	[1713, 1714]	4247	[1881, 6864]	7604	[10060, 4820]	10961	[7316, 7777]
891	[1715, 1716]	4248	[6865, 6641]	7605	[10533, 4835]	10962	[7421, 12228]
892	[1397, 1717]	4249	[6866, 6867]	7606	[10534, 3600]	10963	[2522, 12097]
893	[1401, 1718]	4250	[6092, 6809]	7607	[1448, 8472]	10964	[11844, 6938]
894	[1719, 1720]	4251	[6868, 6869]	7608	[9529, 8339]	10965	[11707, 7366]
895	[1721, 1722]	4252	[871, 5713]	7609	[9541, 3782]	10966	[7933, 12229]
896	[1723, 1724]	4253	[5948, 6870]	7610	[4492, 5402]	10967	[12175, 11563]
897	[319, 1725]	4254	[6871, 6696]	7611	[10439, 10535]	10968	[11343, 12194]
898	[1726, 1727]	4255	[6788, 6872]	7612	[10171, 10536]	10969	[12230, 12201]
899	[1434, 1728]	4256	[3206, 2406]	7613	[10476, 10537]	10970	[7157, 7837]
900	[1729, 1730]	4257	[1988, 5907]	7614	[10538, 3969]	10971	[7142, 12231]
901	[1731, 1732]	4258	[6873, 6874]	7615	[10539, 10540]	10972	[12080, 11453]
902	[1733, 1734]	4259	[2940, 6875]	7616	[10541, 10542]	10973	[6633, 11698]
903	[1735, 1736]	4260	[5751, 2196]	7617	[8238, 4432]	10974	[11651, 7054]
904	[1737, 1738]	4261	[2028, 6876]	7618	[4472, 9941]	10975	[6032, 6851]
905	[1739, 1740]	4262	[6466, 5939]	7619	[10442, 10543]	10976	[6584, 11868]
906	[1741, 1742]	4263	[6877, 6878]	7620	[3827, 10544]	10977	[6684, 11573]
907	[1743, 1744]	4264	[5891, 2660]	7621	[10545, 10546]	10978	[12232, 1998]
908	[1379, 1745]	4265	[6879, 6880]	7622	[4464, 10547]	10979	[12233, 12234]
909	[1746, 1747]	4266	[230, 6881]	7623	[9779, 10548]	10980	[11484, 7394]
910	[1748, 1749]	4267	[2469, 6882]	7624	[10549, 5680]	10981	[12235, 6440]
911	[86, 1750]	4268	[2655, 3013]	7625	[8870, 8732]	10982	[12236, 11153]
912	[1751, 1752]	4269	[6883, 5915]	7626	[10550, 9386]	10983	[11683, 6091]
913	[1753, 1754]	4270	[2478, 6884]	7627	[10551, 10552]	10984	[12237, 2303]
914	[1755, 1756]	4271	[2823, 2146]	7628	[10553, 10554]	10985	[11759, 12238]
915	[293, 1757]	4272	[5689, 6885]	7629	[10555, 1203]	10986	[6178, 2560]
916	[1758, 1759]	4273	[6886, 6317]	7630	[4719, 10556]	10987	[7207, 11847]
917	[1760, 1761]	4274	[6179, 6887]	7631	[10557, 10558]	10988	[7549, 2527]
918	[1762, 1763]	4275	[6888, 6889]	7632	[10559, 10560]	10989	[6062, 7105]
919	[1764, 1765]	4276	[6890, 3214]	7633	[10561, 10562]	10990	[11864, 2382]
920	[1766, 1767]	4277	[6891, 6892]	7634	[10563, 10564]	10991	[3144, 2139]
921	[1768, 1769]	4278	[2873, 6893]	7635	[8883, 10565]	10992	[11331, 6086]
922	[1770, 1771]	4279	[2474, 6894]	7636	[1172, 1310]	10993	[6892, 11816]

923	[1772, 1773]	4280	[6895, 2693]	7637	[10007, 10566]	10994	[6194, 7908]
924	[1774, 1242]	4281	[5919, 6896]	7638	[5090, 9998]	10995	[2165, 11605]
925	[1326, 1775]	4282	[2356, 919]	7639	[10567, 9144]	10996	[183, 11709]
926	[1776, 1726]	4283	[6897, 6898]	7640	[8831, 10568]	10997	[6052, 7330]
927	[1777, 1778]	4284	[6899, 6900]	7641	[10569, 10570]	10998	[5810, 7890]
928	[1779, 1780]	4285	[6901, 6902]	7642	[3444, 8301]	10999	[2451, 6967]
929	[1781, 1782]	4286	[6903, 6904]	7643	[9230, 3762]	11000	[6754, 615]
930	[1783, 1784]	4287	[6256, 6905]	7644	[10571, 10572]	11001	[11404, 623]
931	[1785, 1608]	4288	[5800, 6906]	7645	[1097, 10573]	11002	[8000, 7748]
932	[1786, 1787]	4289	[5987, 6907]	7646	[10574, 10575]	11003	[11896, 6581]
933	[1788, 1789]	4290	[6908, 6002]	7647	[10576, 3449]	11004	[12239, 11041]
934	[1790, 1791]	4291	[6909, 562]	7648	[10577, 8277]	11005	[11169, 560]
935	[1792, 1793]	4292	[6910, 6911]	7649	[10578, 9469]	11006	[12237, 724]
936	[1794, 1795]	4293	[5816, 6704]	7650	[9665, 8588]	11007	[12240, 4275]
937	[1796, 1797]	4294	[6912, 5964]	7651	[1066, 10579]	11008	[12241, 12242]
938	[1798, 1799]	4295	[6913, 6914]	7652	[5050, 10580]	11009	[1129, 4316]
939	[1800, 1801]	4296	[6915, 930]	7653	[10581, 10582]	11010	[12243, 12244]
940	[1802, 1803]	4297	[6916, 6917]	7654	[10583, 10584]	11011	[10516, 4869]
941	[1804, 1805]	4298	[6138, 2633]	7655	[10585, 8510]	11012	[12245, 10879]
942	[1806, 1807]	4299	[6918, 6919]	7656	[1099, 10586]	11013	[1611, 10721]
943	[1808, 1809]	4300	[6920, 5749]	7657	[10587, 9005]	11014	[12246, 4366]
944	[1810, 1811]	4301	[6921, 6812]	7658	[10588, 9247]	11015	[12247, 9093]
945	[1812, 1813]	4302	[6922, 6923]	7659	[5146, 10589]	11016	[12248, 12249]
946	[1814, 1815]	4303	[6924, 6925]	7660	[8671, 10590]	11017	[5576, 1000]
947	[1081, 1816]	4304	[6926, 6606]	7661	[283, 8622]	11018	[12250, 12251]
948	[1817, 1818]	4305	[6927, 6528]	7662	[10591, 10592]	11019	[12252, 9544]
949	[1819, 432]	4306	[2288, 789]	7663	[8799, 10593]	11020	[281, 12253]
950	[1820, 1821]	4307	[2534, 6928]	7664	[10594, 9229]	11021	[9054, 1521]
951	[1822, 1823]	4308	[6559, 6929]	7665	[10595, 3429]	11022	[4704, 4511]
952	[1824, 1825]	4309	[6930, 6931]	7666	[9806, 10596]	11023	[12254, 9685]
953	[1354, 1826]	4310	[6932, 6727]	7667	[4376, 10597]	11024	[12255, 12256]
954	[1827, 1828]	4311	[6933, 6934]	7668	[4866, 10555]	11025	[9769, 12257]
955	[1829, 1830]	4312	[6935, 6936]	7669	[10598, 10599]	11026	[1643, 12258]
956	[1831, 1832]	4313	[6937, 6626]	7670	[8313, 10600]	11027	[12259, 4722]
957	[1833, 1834]	4314	[6938, 142]	7671	[1415, 10326]	11028	[12260, 12261]
958	[1835, 1836]	4315	[6846, 6939]	7672	[10601, 4093]	11029	[12262, 12263]
959	[1837, 1838]	4316	[5738, 6940]	7673	[10602, 9297]	11030	[12264, 12265]
960	[1839, 1840]	4317	[6565, 6941]	7674	[4019, 3620]	11031	[12266, 5254]
961	[1841, 1842]	4318	[6942, 2843]	7675	[10603, 8892]	11032	[1684, 12267]
962	[1843, 1844]	4319	[6492, 3148]	7676	[10604, 10605]	11033	[12253, 3440]
963	[1845, 1846]	4320	[6943, 6170]	7677	[10606, 10607]	11034	[76, 8743]
964	[1847, 1848]	4321	[2324, 6944]	7678	[10608, 10080]	11035	[12268, 10638]
965	[1849, 1850]	4322	[6945, 2426]	7679	[10609, 10610]	11036	[3917, 5077]
966	[1851, 1852]	4323	[2103, 2611]	7680	[10187, 3931]	11037	[9394, 9047]

967	[1853, 5]	4324	[6946, 6947]	7681	[3293, 5428]	11038	[5389, 1363]
968	[1854, 1855]	4325	[6948, 2790]	7682	[10611, 454]	11039	[12269, 12270]
969	[1856, 1857]	4326	[2428, 6949]	7683	[4592, 1266]	11040	[8370, 12271]
970	[1858, 1859]	4327	[2327, 6950]	7684	[10612, 5148]	11041	[12272, 12273]
971	[1860, 1861]	4328	[2434, 3024]	7685	[4915, 10613]	11042	[12274, 12275]
972	[1862, 1433]	4329	[6951, 6952]	7686	[10614, 1320]	11043	[8842, 8947]
973	[1863, 1437]	4330	[6953, 3115]	7687	[10615, 3461]	11044	[9669, 1427]
974	[1864, 1865]	4331	[6056, 2187]	7688	[10616, 10617]	11045	[12276, 12277]
975	[1866, 1867]	4332	[2627, 5941]	7689	[3728, 9895]	11046	[1245, 12278]
976	[1868, 1869]	4333	[690, 2911]	7690	[9719, 9325]	11047	[12279, 10074]
977	[1870, 578]	4334	[2407, 6954]	7691	[10618, 10619]	11048	[4283, 5409]
978	[1871, 1872]	4335	[6955, 6608]	7692	[10620, 10621]	11049	[12280, 3797]
979	[1873, 1874]	4336	[6956, 6615]	7693	[9817, 10622]	11050	[10259, 12281]
980	[1875, 1876]	4337	[2122, 6957]	7694	[10623, 10047]	11051	[12282, 8408]
981	[1877, 889]	4338	[6958, 964]	7695	[10624, 3349]	11052	[12283, 12284]
982	[1878, 1879]	4339	[586, 6959]	7696	[10051, 4611]	11053	[12285, 9280]
983	[1880, 522]	4340	[6655, 6568]	7697	[10625, 10626]	11054	[10155, 12286]
984	[1881, 1882]	4341	[6960, 6050]	7698	[10627, 10628]	11055	[10475, 12287]
985	[1883, 1884]	4342	[6961, 6909]	7699	[8340, 10629]	11056	[12288, 9438]
986	[1885, 1886]	4343	[150, 6962]	7700	[10630, 9930]	11057	[12289, 12290]
987	[529, 842]	4344	[2413, 6963]	7701	[10438, 10631]	11058	[9813, 5656]
988	[1887, 1888]	4345	[6964, 6965]	7702	[8526, 9570]	11059	[4291, 12291]
989	[1889, 1890]	4346	[5771, 2063]	7703	[10354, 8434]	11060	[9626, 5188]
990	[1891, 1892]	4347	[664, 3035]	7704	[10632, 10633]	11061	[12292, 1132]
991	[1893, 1894]	4348	[6966, 6967]	7705	[10634, 8728]	11062	[9963, 8629]
992	[1895, 1896]	4349	[2796, 6968]	7706	[10635, 10636]	11063	[12293, 10820]
993	[1897, 1898]	4350	[6969, 6970]	7707	[4524, 10637]	11064	[12294, 4879]
994	[1899, 695]	4351	[6971, 6972]	7708	[10638, 10639]	11065	[4695, 12295]
995	[1900, 1901]	4352	[6973, 6974]	7709	[10640, 10641]	11066	[10527, 12296]
996	[1902, 1903]	4353	[6975, 6976]	7710	[9175, 10642]	11067	[12297, 12298]
997	[1904, 1905]	4354	[6977, 6978]	7711	[10643, 10644]	11068	[12299, 12300]
998	[1906, 1907]	4355	[2929, 6979]	7712	[10645, 8323]	11069	[10875, 12301]
999	[1908, 1909]	4356	[6980, 6981]	7713	[10646, 10090]	11070	[12302, 9649]
1000	[1910, 1911]	4357	[6982, 5807]	7714	[10647, 95]	11071	[9796, 12303]
1001	[1912, 1913]	4358	[6983, 6984]	7715	[10648, 10649]	11072	[10233, 12304]
1002	[1914, 1915]	4359	[6985, 2654]	7716	[10650, 10651]	11073	[9462, 12305]
1003	[1916, 1917]	4360	[6200, 6986]	7717	[10652, 4660]	11074	[4312, 12306]
1004	[1918, 1919]	4361	[2493, 6987]	7718	[10653, 4566]	11075	[10975, 4686]
1005	[1920, 1921]	4362	[6988, 6054]	7719	[10654, 10477]	11076	[10489, 12307]
1006	[1922, 1923]	4363	[6989, 6990]	7720	[4057, 10655]	11077	[12308, 12309]
1007	[1924, 1925]	4364	[6145, 2899]	7721	[9652, 10384]	11078	[12310, 8763]
1008	[1926, 1927]	4365	[6991, 6992]	7722	[3928, 10385]	11079	[4706, 12311]
1009	[1928, 1929]	4366	[6993, 6994]	7723	[9107, 3913]	11080	[12312, 12313]
1010	[1930, 1931]	4367	[6995, 6996]	7724	[9934, 3776]	11081	[5294, 9236]

1011	[1932, 617]	4368	[6623, 836]	7725	[10656, 10657]	11082	[1133, 12314]
1012	[1933, 1934]	4369	[6997, 6998]	7726	[4185, 83]	11083	[1135, 12315]
1013	[1935, 1936]	4370	[2525, 6999]	7727	[3699, 10658]	11084	[10329, 10858]
1014	[1937, 1938]	4371	[2691, 7000]	7728	[10659, 10660]	11085	[3615, 12316]
1015	[908, 1939]	4372	[2190, 7001]	7729	[10520, 10661]	11086	[4005, 4484]
1016	[1940, 1941]	4373	[7002, 7003]	7730	[979, 1262]	11087	[9689, 5182]
1017	[1942, 1943]	4374	[7004, 7005]	7731	[8589, 10662]	11088	[9347, 4108]
1018	[1944, 1945]	4375	[7006, 7007]	7732	[8433, 3614]	11089	[3329, 10707]
1019	[1946, 1947]	4376	[2975, 5695]	7733	[1506, 386]	11090	[12317, 10514]
1020	[1948, 1949]	4377	[7008, 2885]	7734	[10663, 10541]	11091	[12318, 12319]
1021	[1950, 1951]	4378	[2663, 7009]	7735	[10566, 8953]	11092	[9773, 12320]
1022	[1952, 1953]	4379	[2551, 7010]	7736	[9253, 10490]	11093	[12321, 1090]
1023	[1954, 638]	4380	[6114, 819]	7737	[10664, 10665]	11094	[8174, 12322]
1024	[1955, 1956]	4381	[7011, 5854]	7738	[10505, 10666]	11095	[5515, 12312]
1025	[1957, 1958]	4382	[7012, 7013]	7739	[10667, 9888]	11096	[9508, 12323]
1026	[1959, 1960]	4383	[6582, 7014]	7740	[10668, 8496]	11097	[3297, 8306]
1027	[1961, 514]	4384	[769, 2015]	7741	[10669, 5625]	11098	[10120, 12324]
1028	[1962, 1963]	4385	[6873, 3133]	7742	[313, 10670]	11099	[9157, 12325]
1029	[1964, 1965]	4386	[5809, 6157]	7743	[10629, 9287]	11100	[3761, 5491]
1030	[1966, 1967]	4387	[7015, 7016]	7744	[9893, 5216]	11101	[12326, 12327]
1031	[511, 1968]	4388	[7017, 6090]	7745	[10671, 5264]	11102	[12328, 4461]
1032	[1969, 1970]	4389	[3272, 2031]	7746	[1157, 8442]	11103	[12329, 12330]
1033	[1971, 952]	4390	[6109, 6200]	7747	[5626, 10672]	11104	[12331, 9480]
1034	[1972, 1973]	4391	[7018, 2917]	7748	[4410, 10673]	11105	[4922, 4284]
1035	[1974, 1975]	4392	[6017, 7019]	7749	[10674, 101]	11106	[12332, 3327]
1036	[1976, 1977]	4393	[3256, 7020]	7750	[1769, 10675]	11107	[12333, 9515]
1037	[1978, 668]	4394	[2882, 7021]	7751	[10676, 10677]	11108	[12334, 12335]
1038	[1979, 1980]	4395	[6349, 2694]	7752	[10678, 10679]	11109	[5009, 10999]
1039	[1981, 1982]	4396	[7022, 6716]	7753	[10680, 10681]	11110	[12336, 10934]
1040	[1983, 1984]	4397	[5746, 7023]	7754	[5368, 4595]	11111	[12337, 12338]
1041	[1985, 1986]	4398	[2978, 7024]	7755	[1151, 10682]	11112	[9041, 10248]
1042	[1987, 1988]	4399	[2805, 237]	7756	[74, 10683]	11113	[3997, 4601]
1043	[653, 1989]	4400	[7025, 2791]	7757	[10684, 10685]	11114	[1111, 8291]
1044	[1990, 1991]	4401	[7026, 7027]	7758	[8258, 10686]	11115	[4676, 5214]
1045	[1992, 1993]	4402	[7028, 2667]	7759	[9447, 10687]	11116	[12339, 10401]
1046	[1994, 1995]	4403	[7029, 565]	7760	[10688, 1624]	11117	[8996, 10004]
1047	[1996, 1997]	4404	[7030, 2592]	7761	[9607, 9049]	11118	[1463, 10871]
1048	[1998, 1999]	4405	[7031, 7032]	7762	[4669, 9376]	11119	[12340, 10995]
1049	[2000, 2001]	4406	[7033, 7034]	7763	[8801, 9121]	11120	[80, 330]
1050	[2002, 2003]	4407	[7035, 2583]	7764	[10689, 10690]	11121	[3723, 9500]
1051	[2004, 2005]	4408	[7036, 7037]	7765	[10691, 8149]	11122	[4623, 12341]
1052	[2006, 2007]	4409	[2828, 7038]	7766	[10692, 9962]	11123	[1228, 12342]
1053	[2008, 2009]	4410	[7039, 7040]	7767	[10693, 10694]	11124	[9925, 8223]
1054	[2010, 2011]	4411	[7041, 44]	7768	[10695, 10696]	11125	[1695, 1585]

1055	[2012, 2013]	4412	[1954, 5924]	7769	[9486, 10113]	11126	[3924, 9042]
1056	[2014, 2015]	4413	[593, 6275]	7770	[1825, 9533]	11127	[12343, 12344]
1057	[2016, 2017]	4414	[7042, 7043]	7771	[10697, 10698]	11128	[12345, 12346]
1058	[2018, 2019]	4415	[6177, 2559]	7772	[5497, 8809]	11129	[12347, 12348]
1059	[2020, 2021]	4416	[7044, 7045]	7773	[10699, 10117]	11130	[12349, 3321]
1060	[2022, 2023]	4417	[3041, 5822]	7774	[10700, 5352]	11131	[12350, 4523]
1061	[2024, 2025]	4418	[7046, 60]	7775	[9375, 4967]	11132	[12351, 12352]
1062	[2026, 2027]	4419	[7047, 2094]	7776	[5113, 10701]	11133	[12353, 479]
1063	[2028, 2029]	4420	[7048, 2259]	7777	[10702, 4712]	11134	[9323, 12354]
1064	[2030, 2031]	4421	[7049, 2117]	7778	[10703, 10704]	11135	[12355, 1217]
1065	[656, 2032]	4422	[6510, 6373]	7779	[10705, 10706]	11136	[12356, 12357]
1066	[2033, 2034]	4423	[6930, 7050]	7780	[10707, 4845]	11137	[10283, 12358]
1067	[2035, 2036]	4424	[7034, 7051]	7781	[10708, 10709]	11138	[12359, 12360]
1068	[2037, 2038]	4425	[2092, 7052]	7782	[457, 10710]	11139	[5364, 10035]
1069	[2039, 2040]	4426	[6675, 7053]	7783	[10449, 9068]	11140	[9620, 12361]
1070	[2041, 2042]	4427	[7054, 1868]	7784	[8769, 10711]	11141	[383, 12362]
1071	[2043, 2044]	4428	[6457, 6674]	7785	[3547, 3998]	11142	[12363, 4195]
1072	[621, 2045]	4429	[654, 860]	7786	[10712, 3835]	11143	[12364, 12365]
1073	[2046, 2047]	4430	[6612, 7055]	7787	[10713, 1472]	11144	[12366, 12297]
1074	[2048, 2049]	4431	[7056, 2139]	7788	[9758, 10714]	11145	[8358, 10921]
1075	[2050, 2051]	4432	[7057, 6106]	7789	[10715, 9259]	11146	[4928, 3588]
1076	[2052, 2053]	4433	[7058, 7059]	7790	[10716, 10717]	11147	[3876, 12367]
1077	[2038, 2054]	4434	[2840, 7060]	7791	[9444, 10718]	11148	[9547, 12368]
1078	[2055, 2056]	4435	[6831, 7061]	7792	[10719, 10720]	11149	[9730, 12369]
1079	[2057, 2058]	4436	[37, 194]	7793	[10721, 10722]	11150	[8944, 12370]
1080	[2059, 2060]	4437	[7062, 6936]	7794	[5114, 10723]	11151	[8812, 12371]
1081	[713, 1907]	4438	[6652, 965]	7795	[10724, 10725]	11152	[12372, 9441]
1082	[2061, 2062]	4439	[5715, 3016]	7796	[10726, 10578]	11153	[9553, 12373]
1083	[2063, 2064]	4440	[505, 7063]	7797	[4281, 1466]	11154	[10308, 12374]
1084	[206, 2065]	4441	[1890, 820]	7798	[10727, 4457]	11155	[8466, 8594]
1085	[2066, 2067]	4442	[5870, 7064]	7799	[10728, 5493]	11156	[10826, 12375]
1086	[504, 2068]	4443	[7065, 7066]	7800	[4423, 4016]	11157	[5596, 8487]
1087	[2069, 2070]	4444	[6076, 222]	7801	[9110, 9319]	11158	[9564, 12340]
1088	[2071, 2072]	4445	[7067, 2931]	7802	[8888, 10729]	11159	[12376, 12377]
1089	[2073, 849]	4446	[7068, 3186]	7803	[10730, 10731]	11160	[8310, 4622]
1090	[2033, 688]	4447	[7069, 7070]	7804	[5459, 10732]	11161	[9790, 4530]
1091	[2074, 2075]	4448	[225, 5931]	7805	[10733, 3933]	11162	[10714, 12378]
1092	[246, 2076]	4449	[2521, 6814]	7806	[10311, 8367]	11163	[10706, 12379]
1093	[2077, 2078]	4450	[6982, 3248]	7807	[4920, 5071]	11164	[1789, 10244]
1094	[2079, 2080]	4451	[7071, 7072]	7808	[4249, 10734]	11165	[5660, 12380]
1095	[2081, 2082]	4452	[7073, 7074]	7809	[5359, 10735]	11166	[1595, 3499]
1096	[2083, 2084]	4453	[2211, 5923]	7810	[10736, 3955]	11167	[5157, 12381]
1097	[2085, 2086]	4454	[3263, 600]	7811	[9837, 10737]	11168	[9414, 9654]
1098	[2087, 2088]	4455	[517, 7075]	7812	[10738, 5421]	11169	[4496, 8603]

1099	[2089, 2090]	4456	[6573, 2246]	7813	[10739, 1337]	11170	[4123, 12382]
1100	[2091, 2092]	4457	[6824, 6164]	7814	[4685, 10740]	11171	[4106, 12383]
1101	[2093, 538]	4458	[3137, 2095]	7815	[3703, 10470]	11172	[8602, 12384]
1102	[2094, 2095]	4459	[7076, 7077]	7816	[8706, 10741]	11173	[12263, 12385]
1103	[2096, 2097]	4460	[7078, 2538]	7817	[4144, 10742]	11174	[12386, 12387]
1104	[2098, 2099]	4461	[627, 7079]	7818	[10743, 1507]	11175	[12388, 8837]
1105	[545, 2100]	4462	[168, 6574]	7819	[8984, 10538]	11176	[12389, 9656]
1106	[2015, 2101]	4463	[170, 7080]	7820	[9738, 10744]	11177	[1442, 12390]
1107	[2102, 2103]	4464	[5724, 7081]	7821	[10416, 9950]	11178	[4215, 12391]
1108	[2104, 2105]	4465	[3027, 7082]	7822	[9657, 10267]	11179	[10996, 12392]
1109	[2106, 2107]	4466	[6210, 7083]	7823	[4963, 10745]	11180	[12393, 4171]
1110	[2108, 2109]	4467	[971, 7084]	7824	[10746, 10747]	11181	[12394, 3610]
1111	[2110, 2111]	4468	[953, 1875]	7825	[1469, 5628]	11182	[12395, 12396]
1112	[2112, 2113]	4469	[7085, 2479]	7826	[10748, 3841]	11183	[12397, 10426]
1113	[2114, 2115]	4470	[5764, 7086]	7827	[10749, 9602]	11184	[8111, 12398]
1114	[2116, 2117]	4471	[7087, 2218]	7828	[10273, 3958]	11185	[5603, 4087]
1115	[2118, 2119]	4472	[6467, 7088]	7829	[10750, 5326]	11186	[12399, 12400]
1116	[2120, 2121]	4473	[6097, 7089]	7830	[10291, 282]	11187	[4017, 5571]
1117	[2122, 2123]	4474	[7090, 3228]	7831	[4062, 9978]	11188	[12401, 12269]
1118	[2124, 2125]	4475	[7091, 3215]	7832	[10751, 9664]	11189	[12402, 1634]
1119	[951, 2126]	4476	[7092, 911]	7833	[10094, 460]	11190	[1073, 4599]
1120	[2127, 2128]	4477	[7093, 7094]	7834	[8586, 10752]	11191	[12403, 4675]
1121	[2129, 2130]	4478	[7095, 6550]	7835	[4674, 8784]	11192	[4458, 12404]
1122	[2131, 2132]	4479	[7096, 7097]	7836	[10753, 10754]	11193	[9242, 12405]
1123	[2133, 2134]	4480	[7098, 2223]	7837	[10755, 9640]	11194	[12371, 12406]
1124	[2135, 2136]	4481	[6578, 7099]	7838	[10457, 3523]	11195	[8835, 4263]
1125	[2137, 2138]	4482	[3050, 2680]	7839	[8978, 3846]	11196	[12407, 12408]
1126	[2139, 2140]	4483	[7100, 7101]	7840	[10756, 10757]	11197	[1263, 12409]
1127	[2141, 2142]	4484	[2232, 3026]	7841	[10758, 10759]	11198	[4763, 10435]
1128	[2143, 2144]	4485	[5889, 6180]	7842	[1177, 10760]	11199	[3852, 326]
1129	[2145, 2146]	4486	[6682, 7102]	7843	[10158, 9915]	11200	[12410, 12274]
1130	[2147, 2148]	4487	[6757, 3233]	7844	[3979, 10761]	11201	[5335, 12411]
1131	[2149, 2150]	4488	[7092, 181]	7845	[8488, 10762]	11202	[12412, 12413]
1132	[2151, 2152]	4489	[7103, 248]	7846	[1174, 10763]	11203	[4115, 12414]
1133	[2153, 2063]	4490	[7104, 7105]	7847	[1728, 10764]	11204	[12415, 12416]
1134	[2154, 2155]	4491	[7106, 6859]	7848	[10765, 10766]	11205	[9916, 8972]
1135	[2156, 2157]	4492	[6433, 7107]	7849	[10026, 10767]	11206	[9918, 4988]
1136	[2158, 2159]	4493	[7108, 6650]	7850	[9578, 10768]	11207	[5669, 12417]
1137	[2160, 2161]	4494	[742, 7083]	7851	[10769, 1479]	11208	[12418, 4040]
1138	[2162, 2163]	4495	[7109, 7110]	7852	[981, 10286]	11209	[9340, 12419]
1139	[140, 2164]	4496	[6583, 3025]	7853	[8402, 10228]	11210	[8573, 1233]
1140	[2165, 2166]	4497	[5757, 7111]	7854	[8772, 4662]	11211	[3866, 12420]
1141	[2167, 2168]	4498	[7112, 33]	7855	[5155, 10770]	11212	[12421, 8850]
1142	[2169, 924]	4499	[3089, 2064]	7856	[10771, 9556]	11213	[12422, 10906]

1143	[2170, 2171]	4500	[7113, 7114]	7857	[1044, 10772]	11214	[1619, 12423]
1144	[2172, 2173]	4501	[5973, 2323]	7858	[10773, 10774]	11215	[12424, 8252]
1145	[886, 2174]	4502	[7115, 7116]	7859	[10731, 10775]	11216	[12425, 12426]
1146	[2175, 2176]	4503	[7117, 1906]	7860	[8436, 10776]	11217	[9304, 12427]
1147	[2177, 586]	4504	[5748, 6630]	7861	[9293, 4682]	11218	[12428, 4442]
1148	[2178, 2179]	4505	[6740, 3142]	7862	[8449, 10777]	11219	[12429, 1406]
1149	[814, 2180]	4506	[7118, 1874]	7863	[10778, 10779]	11220	[10564, 4076]
1150	[2181, 2182]	4507	[3001, 7119]	7864	[3573, 10645]	11221	[10642, 5266]
1151	[2128, 2183]	4508	[3235, 6462]	7865	[10780, 10781]	11222	[12430, 3423]
1152	[2184, 2185]	4509	[222, 7120]	7866	[10782, 10783]	11223	[8337, 8920]
1153	[857, 574]	4510	[7121, 7122]	7867	[10784, 10785]	11224	[12431, 12432]
1154	[2186, 2009]	4511	[7042, 6998]	7868	[4060, 10786]	11225	[5063, 10753]
1155	[2187, 2188]	4512	[7123, 7124]	7869	[10787, 9166]	11226	[12433, 12285]
1156	[933, 1950]	4513	[7125, 6248]	7870	[10380, 10788]	11227	[10649, 5170]
1157	[2189, 2190]	4514	[5874, 7126]	7871	[10789, 10790]	11228	[1450, 12434]
1158	[2191, 2192]	4515	[763, 7127]	7872	[9364, 10791]	11229	[12435, 10773]
1159	[2193, 2194]	4516	[7128, 7129]	7873	[9859, 10002]	11230	[1669, 1792]
1160	[1927, 2195]	4517	[7130, 2858]	7874	[1452, 8820]	11231	[12436, 12437]
1161	[2196, 2197]	4518	[3105, 7131]	7875	[10792, 9958]	11232	[3777, 12438]
1162	[2198, 2199]	4519	[7132, 675]	7876	[10793, 10567]	11233	[8754, 491]
1163	[159, 2200]	4520	[7133, 6761]	7877	[10794, 10795]	11234	[1021, 12439]
1164	[2201, 2202]	4521	[7134, 7135]	7878	[10704, 10618]	11235	[10741, 1069]
1165	[2203, 2204]	4522	[1909, 7136]	7879	[10796, 10518]	11236	[10922, 12440]
1166	[2205, 221]	4523	[7137, 7138]	7880	[10797, 10798]	11237	[5253, 9204]
1167	[1973, 2206]	4524	[7139, 7140]	7881	[10799, 10800]	11238	[4792, 10290]
1168	[2207, 2208]	4525	[5685, 7141]	7882	[10801, 9848]	11239	[9488, 12441]
1169	[2209, 516]	4526	[816, 2598]	7883	[10802, 10803]	11240	[12442, 12443]
1170	[719, 2210]	4527	[7142, 7143]	7884	[10593, 10804]	11241	[12444, 4411]
1171	[2211, 1883]	4528	[761, 535]	7885	[10805, 9475]	11242	[12445, 8664]
1172	[2212, 2213]	4529	[6968, 7071]	7886	[10461, 10806]	11243	[12446, 10284]
1173	[2214, 2215]	4530	[7144, 7145]	7887	[10807, 10312]	11244	[12447, 10894]
1174	[2113, 2216]	4531	[6556, 7146]	7888	[10808, 8770]	11245	[12448, 10889]
1175	[830, 2217]	4532	[6463, 1943]	7889	[10809, 10810]	11246	[12303, 12449]
1176	[2218, 2219]	4533	[2664, 5754]	7890	[9457, 9540]	11247	[12450, 5295]
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1178	[2221, 2222]	4535	[777, 7148]	7892	[10813, 10814]	11249	[12451, 12452]
1179	[2223, 2224]	4536	[6513, 7149]	7893	[10396, 10815]	11250	[12453, 12454]
1180	[2221, 2225]	4537	[6078, 7150]	7894	[10816, 4873]	11251	[12455, 12456]
1181	[2226, 2227]	4538	[7151, 5878]	7895	[10817, 10818]	11252	[12457, 12458]
1182	[2228, 2229]	4539	[7152, 7153]	7896	[8360, 10819]	11253	[10732, 9001]
1183	[2230, 2231]	4540	[7154, 7155]	7897	[10820, 9183]	11254	[9900, 9744]
1184	[2232, 2233]	4541	[685, 2388]	7898	[10821, 9363]	11255	[12459, 1158]
1185	[2234, 2235]	4542	[7156, 7157]	7899	[10822, 10823]	11256	[5263, 12460]
1186	[2236, 2237]	4543	[7158, 2719]	7900	[10631, 10824]	11257	[12461, 5588]

1187	[2238, 2239]	4544	[2217, 2800]	7901	[8690, 9742]	11258	[10044, 12462]
1188	[2240, 2241]	4545	[7159, 7160]	7902	[4460, 10733]	11259	[12463, 8494]
1189	[2242, 2243]	4546	[6698, 2623]	7903	[10271, 9673]	11260	[12464, 1495]
1190	[2244, 2245]	4547	[7161, 7162]	7904	[1305, 10797]	11261	[12465, 4999]
1191	[888, 2000]	4548	[2771, 2260]	7905	[9825, 3341]	11262	[10884, 10093]
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1193	[2247, 2248]	4550	[5701, 7163]	7907	[991, 10365]	11264	[12467, 3727]
1194	[2249, 2038]	4551	[6369, 6003]	7908	[9653, 10826]	11265	[10031, 1112]
1195	[2250, 2251]	4552	[7164, 7165]	7909	[1514, 10827]	11266	[4996, 1447]
1196	[2252, 2253]	4553	[7166, 7167]	7910	[10828, 10730]	11267	[9672, 8674]
1197	[2254, 2255]	4554	[7168, 3250]	7911	[10829, 1519]	11268	[9940, 10724]
1198	[2256, 2257]	4555	[32, 7169]	7912	[4212, 10373]	11269	[4210, 10357]
1199	[2258, 2259]	4556	[7170, 7171]	7913	[10830, 5243]	11270	[10235, 12468]
1200	[2260, 2261]	4557	[7172, 2801]	7914	[9650, 5309]	11271	[12469, 12470]
1201	[2262, 2263]	4558	[539, 7173]	7915	[10831, 10345]	11272	[12471, 12472]
1202	[2264, 203]	4559	[2659, 5892]	7916	[10832, 10833]	11273	[4783, 12473]
1203	[2265, 52]	4560	[7174, 7175]	7917	[10834, 10835]	11274	[12474, 12475]
1204	[2266, 2267]	4561	[5989, 2748]	7918	[10836, 10837]	11275	[12476, 12477]
1205	[2268, 2269]	4562	[652, 5775]	7919	[9927, 10838]	11276	[8412, 12478]
1206	[2270, 2271]	4563	[5790, 32]	7920	[3549, 10664]	11277	[1560, 12479]
1207	[2272, 2273]	4564	[2865, 7176]	7921	[10839, 5158]	11278	[12480, 4138]
1208	[2274, 2275]	4565	[2824, 7177]	7922	[10840, 10841]	11279	[12481, 12482]
1209	[2053, 2276]	4566	[7178, 7179]	7923	[3639, 10842]	11280	[12483, 12250]
1210	[2277, 2278]	4567	[5706, 7180]	7924	[8675, 10843]	11281	[12484, 12485]
1211	[2279, 515]	4568	[7181, 6246]	7925	[10844, 1057]	11282	[10388, 12486]
1212	[2280, 2281]	4569	[3108, 7182]	7926	[10845, 10846]	11283	[10321, 8435]
1213	[2282, 2283]	4570	[2952, 6677]	7927	[361, 10847]	11284	[12487, 12488]
1214	[2284, 2285]	4571	[7183, 7184]	7928	[5649, 1191]	11285	[419, 12489]
1215	[2286, 2287]	4572	[7185, 7186]	7929	[10848, 3785]	11286	[8990, 12490]
1216	[2288, 2289]	4573	[7187, 6911]	7930	[10849, 5019]	11287	[12491, 10700]
1217	[1904, 2218]	4574	[7188, 2530]	7931	[8446, 9766]	11288	[12492, 12493]
1218	[2290, 905]	4575	[5895, 1914]	7932	[10850, 10851]	11289	[8206, 4394]
1219	[504, 2291]	4576	[7189, 571]	7933	[9313, 5313]	11290	[11006, 8178]
1220	[2292, 854]	4577	[2802, 2792]	7934	[10852, 10801]	11291	[12494, 10183]
1221	[2293, 2294]	4578	[238, 6150]	7935	[10853, 10854]	11292	[8848, 12326]
1222	[2295, 2296]	4579	[7190, 2782]	7936	[8400, 10303]	11293	[4337, 12495]
1223	[2297, 2298]	4580	[7096, 7191]	7937	[10855, 5384]	11294	[12496, 4681]
1224	[2299, 2300]	4581	[7192, 5764]	7938	[10856, 5484]	11295	[5286, 12497]
1225	[947, 2301]	4582	[5768, 7193]	7939	[5022, 10857]	11296	[8137, 4696]
1226	[889, 2302]	4583	[6464, 7194]	7940	[10858, 8513]	11297	[12413, 1808]
1227	[2303, 2304]	4584	[5858, 7195]	7941	[9235, 10859]	11298	[3291, 9608]
1228	[2305, 2290]	4585	[7196, 2440]	7942	[10860, 1229]	11299	[12498, 12499]
1229	[955, 2306]	4586	[7197, 7198]	7943	[10861, 3398]	11300	[12500, 12501]
1230	[2307, 2308]	4587	[7199, 7200]	7944	[4957, 10506]	11301	[12502, 9117]

1231	[2309, 2310]	4588	[7201, 7202]	7945	[10404, 10862]	11302	[12503, 12504]
1232	[2311, 2312]	4589	[7203, 7204]	7946	[10406, 10863]	11303	[12505, 12506]
1233	[2313, 2314]	4590	[789, 6575]	7947	[10864, 10865]	11304	[10940, 5606]
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1237	[2318, 2319]	4594	[3080, 864]	7951	[10868, 1555]	11308	[10876, 12511]
1238	[2320, 2321]	4595	[6373, 2604]	7952	[3853, 1343]	11309	[12512, 12513]
1239	[2322, 2323]	4596	[2222, 7206]	7953	[10869, 10870]	11310	[5593, 12514]
1240	[2324, 2325]	4597	[2158, 7098]	7954	[10871, 9152]	11311	[4468, 12515]
1241	[2326, 1976]	4598	[2347, 3167]	7955	[10872, 10873]	11312	[10762, 12516]
1242	[2327, 2328]	4599	[2045, 7207]	7956	[10874, 4010]	11313	[1378, 5541]
1243	[2329, 2330]	4600	[6680, 7208]	7957	[1267, 5026]	11314	[12517, 12518]
1244	[2331, 2332]	4601	[2669, 7209]	7958	[10819, 10875]	11315	[1454, 9348]
1245	[958, 2180]	4602	[6576, 7210]	7959	[4884, 10876]	11316	[10781, 9181]
1246	[2333, 1984]	4603	[2603, 7211]	7960	[4037, 10877]	11317	[10400, 9024]
1247	[2334, 2335]	4604	[3254, 7212]	7961	[8260, 10878]	11318	[5074, 12519]
1248	[2336, 2337]	4605	[6019, 3231]	7962	[1031, 3907]	11319	[12520, 12521]
1249	[2338, 826]	4606	[658, 3271]	7963	[4597, 10654]	11320	[12522, 5219]
1250	[2339, 2340]	4607	[7213, 2075]	7964	[10879, 9910]	11321	[12523, 9832]
1251	[2341, 2342]	4608	[2457, 3130]	7965	[9715, 10880]	11322	[12506, 12524]
1252	[2343, 2341]	4609	[7029, 2980]	7966	[9013, 3542]	11323	[9274, 3635]
1253	[780, 2049]	4610	[7214, 7215]	7967	[9762, 10881]	11324	[5337, 1460]
1254	[2344, 2345]	4611	[7216, 5848]	7968	[10882, 9977]	11325	[4973, 12525]
1255	[2346, 2347]	4612	[7217, 7218]	7969	[1405, 1517]	11326	[12526, 85]
1256	[2348, 2349]	4613	[1985, 6065]	7970	[10810, 10883]	11327	[12527, 12528]
1257	[2350, 2351]	4614	[6278, 1879]	7971	[4125, 10884]	11328	[10570, 10897]
1258	[2352, 2353]	4615	[7219, 6268]	7972	[9896, 4882]	11329	[395, 9924]
1259	[2354, 2355]	4616	[7220, 7221]	7973	[10885, 10886]	11330	[12529, 12530]
1260	[2356, 2152]	4617	[7222, 7223]	7974	[10887, 10888]	11331	[1832, 12531]
1261	[2357, 2358]	4618	[6528, 7224]	7975	[10889, 10809]	11332	[5119, 5408]
1262	[2359, 2360]	4619	[7225, 7226]	7976	[10890, 4948]	11333	[9416, 12356]
1263	[1874, 2361]	4620	[6946, 7227]	7977	[4287, 10805]	11334	[9218, 1187]
1264	[2362, 2363]	4621	[7228, 6965]	7978	[3301, 9628]	11335	[12532, 12533]
1265	[2364, 2365]	4622	[852, 7229]	7979	[10891, 10892]	11336	[10446, 10355]
1266	[2366, 2367]	4623	[6434, 6885]	7980	[10893, 3974]	11337	[9430, 12534]
1267	[2368, 2369]	4624	[7165, 830]	7981	[10894, 10895]	11338	[12535, 12536]
1268	[2370, 2371]	4625	[652, 6619]	7982	[9696, 8444]	11339	[9387, 475]
1269	[2372, 2373]	4626	[2133, 2128]	7983	[10770, 10695]	11340	[12370, 4320]
1270	[2374, 2220]	4627	[2147, 7230]	7984	[10896, 9286]	11341	[4804, 1051]
1271	[2375, 2376]	4628	[5683, 2715]	7985	[10897, 10898]	11342	[12537, 9003]
1272	[2377, 2378]	4629	[607, 7231]	7986	[10899, 8807]	11343	[4236, 12538]
1273	[2379, 2380]	4630	[541, 7232]	7987	[10900, 10901]	11344	[10745, 10480]
1274	[2381, 2382]	4631	[5797, 2474]	7988	[3467, 10902]	11345	[12539, 12540]

1275	[2383, 2384]	4632	[7186, 7233]	7989	[10903, 9943]	11346	[4408, 12541]
1276	[2385, 2386]	4633	[5824, 7234]	7990	[10904, 10905]	11347	[8711, 8815]
1277	[2387, 2388]	4634	[788, 2289]	7991	[10906, 9933]	11348	[12542, 9693]
1278	[2389, 2390]	4635	[7235, 7236]	7992	[88, 10907]	11349	[12543, 9523]
1279	[2391, 2392]	4636	[7237, 7238]	7993	[10908, 10909]	11350	[12544, 12545]
1280	[2393, 2394]	4637	[7239, 2369]	7994	[377, 8610]	11351	[12546, 11004]
1281	[2395, 2396]	4638	[7240, 7241]	7995	[1732, 1802]	11352	[12547, 12494]
1282	[2344, 2397]	4639	[7242, 7243]	7996	[10910, 462]	11353	[12548, 9890]
1283	[2398, 2399]	4640	[7244, 6947]	7997	[10076, 10911]	11354	[12549, 4588]
1284	[2400, 2401]	4641	[7185, 7245]	7998	[8229, 10021]	11355	[12550, 10932]
1285	[2250, 2402]	4642	[3181, 7246]	7999	[10912, 4789]	11356	[9905, 12471]
1286	[2403, 2404]	4643	[6329, 7247]	8000	[8970, 10913]	11357	[12551, 8951]
1287	[2405, 2189]	4644	[6250, 7248]	8001	[8925, 10914]	11358	[10919, 1658]
1288	[2406, 2291]	4645	[1897, 2198]	8002	[10915, 3409]	11359	[12552, 12553]
1289	[2407, 823]	4646	[7249, 7250]	8003	[3289, 3631]	11360	[4219, 3994]
1290	[870, 2408]	4647	[809, 7251]	8004	[5633, 8212]	11361	[8251, 12554]
1291	[2409, 2410]	4648	[7137, 7252]	8005	[10022, 1209]	11362	[12555, 12556]
1292	[507, 2411]	4649	[7253, 7254]	8006	[10916, 10917]	11363	[4547, 3394]
1293	[2412, 2413]	4650	[5737, 2867]	8007	[9459, 10840]	11364	[12557, 8202]
1294	[2414, 2415]	4651	[808, 7255]	8008	[10918, 5612]	11365	[12438, 4887]
1295	[766, 2416]	4652	[2509, 2733]	8009	[3306, 8986]	11366	[3751, 3296]
1296	[2417, 2418]	4653	[5731, 7256]	8010	[5233, 10919]	11367	[12558, 12559]
1297	[2419, 2420]	4654	[7257, 7258]	8011	[4414, 10920]	11368	[9980, 9852]
1298	[2421, 2422]	4655	[7259, 2742]	8012	[10921, 10922]	11369	[5034, 12560]
1299	[2423, 2355]	4656	[6614, 801]	8013	[10923, 10924]	11370	[12561, 1628]
1300	[2424, 168]	4657	[7260, 6590]	8014	[10925, 10926]	11371	[12562, 12563]
1301	[2425, 2426]	4658	[7261, 7262]	8015	[10927, 10272]	11372	[4308, 12564]
1302	[2002, 2427]	4659	[7263, 7264]	8016	[4325, 10928]	11373	[4758, 4741]
1303	[2428, 2429]	4660	[2038, 7265]	8017	[10929, 10930]	11374	[12565, 1538]
1304	[2430, 2431]	4661	[7266, 7267]	8018	[1039, 8977]	11375	[12475, 1270]
1305	[2432, 2433]	4662	[7268, 7269]	8019	[1458, 10931]	11376	[1422, 1790]
1306	[2434, 2435]	4663	[2953, 6678]	8020	[8549, 9100]	11377	[12566, 10923]
1307	[2436, 2437]	4664	[215, 607]	8021	[8731, 10156]	11378	[5320, 4455]
1308	[2438, 2439]	4665	[7270, 7271]	8022	[10932, 10933]	11379	[12567, 12568]
1309	[2440, 2441]	4666	[7272, 6889]	8023	[8575, 10185]	11380	[12569, 12570]
1310	[591, 2442]	4667	[7273, 7274]	8024	[3995, 8477]	11381	[8299, 9542]
1311	[2213, 2443]	4668	[7275, 7276]	8025	[10934, 10935]	11382	[9016, 9513]
1312	[2444, 2445]	4669	[2266, 7277]	8026	[10319, 10936]	11383	[9428, 4728]
1313	[2446, 2447]	4670	[7278, 630]	8027	[5217, 10937]	11384	[8280, 12571]
1314	[2448, 2449]	4671	[6822, 2947]	8028	[10938, 10939]	11385	[12572, 268]
1315	[2450, 2451]	4672	[7279, 6070]	8029	[8634, 286]	11386	[12573, 4648]
1316	[2141, 2452]	4673	[7280, 7281]	8030	[10397, 10940]	11387	[12574, 9423]
1317	[2453, 2002]	4674	[6273, 2267]	8031	[10941, 4377]	11388	[12575, 12576]
1318	[2454, 1869]	4675	[7282, 7283]	8032	[5558, 10942]	11389	[8355, 3459]

1319	[2455, 2456]	4676	[6575, 7171]	8033	[8677, 10943]	11390	[12577, 8325]
1320	[2457, 1996]	4677	[7284, 5760]	8034	[9248, 10944]	11391	[12560, 12450]
1321	[2458, 2459]	4678	[3114, 7285]	8035	[10140, 10174]	11392	[66, 5076]
1322	[2460, 557]	4679	[1971, 2126]	8036	[10010, 8157]	11393	[9246, 5124]
1323	[2461, 1985]	4680	[7286, 7287]	8037	[9199, 10708]	11394	[12578, 12491]
1324	[2462, 923]	4681	[2665, 7288]	8038	[10945, 10946]	11395	[8851, 10614]
1325	[2463, 2464]	4682	[6626, 7289]	8039	[8709, 10947]	11396	[5246, 5100]
1326	[2465, 2466]	4683	[2328, 7290]	8040	[10948, 10949]	11397	[12579, 12580]
1327	[2467, 2468]	4684	[6507, 3080]	8041	[10950, 10951]	11398	[8929, 12581]
1328	[2469, 2470]	4685	[2537, 7291]	8042	[10402, 10091]	11399	[12582, 12583]
1329	[2471, 2472]	4686	[7292, 7293]	8043	[3379, 10465]	11400	[1164, 12584]
1330	[2379, 583]	4687	[6153, 6669]	8044	[10952, 9487]	11401	[12585, 10667]
1331	[2473, 2474]	4688	[7294, 7295]	8045	[10814, 10953]	11402	[9178, 3807]
1332	[2475, 1931]	4689	[7296, 7152]	8046	[10954, 10955]	11403	[10605, 12543]
1333	[1952, 1865]	4690	[6780, 2881]	8047	[5213, 10956]	11404	[4961, 1207]
1334	[2476, 2477]	4691	[7020, 7297]	8048	[4230, 10957]	11405	[12586, 5486]
1335	[2478, 2479]	4692	[7298, 7299]	8049	[10958, 9362]	11406	[5405, 12587]
1336	[577, 2480]	4693	[7300, 7301]	8050	[4310, 10959]	11407	[12588, 12589]
1337	[2481, 2482]	4694	[7302, 2409]	8051	[10112, 10960]	11408	[12460, 12590]
1338	[2483, 2484]	4695	[1898, 2596]	8052	[10961, 10066]	11409	[4529, 3572]
1339	[2485, 2486]	4696	[7101, 7303]	8053	[10104, 10962]	11410	[10847, 5614]
1340	[2487, 2488]	4697	[7048, 7304]	8054	[10963, 9865]	11411	[12591, 984]
1341	[2489, 2490]	4698	[3149, 7305]	8055	[10964, 10965]	11412	[9140, 12592]
1342	[2491, 2492]	4699	[7306, 7307]	8056	[1848, 10966]	11413	[10933, 12593]
1343	[2493, 2494]	4700	[2463, 6397]	8057	[10967, 10968]	11414	[12594, 12595]
1344	[2215, 2495]	4701	[6577, 2726]	8058	[1071, 10969]	11415	[8184, 9731]
1345	[2496, 2497]	4702	[6124, 2920]	8059	[9614, 1032]	11416	[12596, 12248]
1346	[2498, 2499]	4703	[6237, 6035]	8060	[4526, 10192]	11417	[9454, 9854]
1347	[2500, 758]	4704	[6555, 6791]	8061	[1247, 3416]	11418	[10507, 426]
1348	[2245, 2501]	4705	[2065, 7308]	8062	[10970, 10363]	11419	[12597, 12598]
1349	[2502, 2503]	4706	[3245, 7082]	8063	[10971, 1827]	11420	[10951, 12599]
1350	[925, 2504]	4707	[7205, 7309]	8064	[10972, 10973]	11421	[4463, 12600]
1351	[2505, 2506]	4708	[2605, 3159]	8065	[10974, 4426]	11422	[10207, 12601]
1352	[2507, 2508]	4709	[6510, 6507]	8066	[4454, 8550]	11423	[12602, 12451]
1353	[909, 2509]	4710	[7310, 7311]	8067	[4699, 8780]	11424	[12603, 5517]
1354	[2510, 2511]	4711	[7312, 7313]	8068	[10698, 10975]	11425	[12604, 12605]
1355	[2512, 2513]	4712	[7013, 7314]	8069	[10976, 10977]	11426	[5211, 4407]
1356	[2498, 2514]	4713	[7315, 7316]	8070	[10978, 1176]	11427	[12606, 8538]
1357	[2515, 2516]	4714	[6447, 7317]	8071	[9200, 10979]	11428	[12607, 12608]
1358	[2517, 1935]	4715	[786, 3173]	8072	[10980, 4173]	11429	[12609, 12610]
1359	[2518, 2125]	4716	[7318, 6754]	8073	[9078, 4627]	11430	[12611, 12612]
1360	[2519, 2520]	4717	[7319, 7320]	8074	[10981, 10982]	11431	[12598, 12613]
1361	[2521, 2522]	4718	[5934, 7321]	8075	[10099, 10983]	11432	[12306, 4209]
1362	[2523, 2524]	4719	[6573, 7322]	8076	[4561, 8961]	11433	[431, 12614]

1363	[2525, 2526]	4720	[802, 7323]	8077	[10984, 9025]	11434	[10878, 12615]
1364	[755, 2527]	4721	[7324, 6392]	8078	[10985, 10986]	11435	[12616, 9548]
1365	[2528, 2529]	4722	[7325, 7326]	8079	[5004, 10974]	11436	[12568, 9353]
1366	[2077, 2530]	4723	[7327, 2580]	8080	[10987, 10988]	11437	[8363, 12310]
1367	[2531, 2532]	4724	[7328, 6358]	8081	[9007, 9984]	11438	[472, 12617]
1368	[2533, 684]	4725	[6396, 2464]	8082	[10989, 8191]	11439	[9612, 12618]
1369	[2534, 2535]	4726	[3043, 7329]	8083	[10990, 10991]	11440	[3804, 9201]
1370	[783, 2536]	4727	[7330, 6142]	8084	[10992, 1764]	11441	[10015, 12619]
1371	[2537, 2538]	4728	[7331, 7332]	8085	[10993, 10994]	11442	[12620, 19]
1372	[2539, 2540]	4729	[7333, 7334]	8086	[8532, 10976]	11443	[271, 5635]
1373	[2541, 808]	4730	[7335, 7336]	8087	[10995, 10996]	11444	[4070, 10072]
1374	[2542, 2543]	4731	[5689, 6435]	8088	[3554, 10997]	11445	[310, 3574]
1375	[2544, 2545]	4732	[6861, 1968]	8089	[4917, 5420]	11446	[12621, 10987]
1376	[2546, 2547]	4733	[2633, 7337]	8090	[10998, 8716]	11447	[10725, 8428]
1377	[2008, 2548]	4734	[1982, 6945]	8091	[10999, 3696]	11448	[8790, 4061]
1378	[2549, 2065]	4735	[7338, 2103]	8092	[8459, 9191]	11449	[12622, 10246]
1379	[695, 2550]	4736	[2214, 7339]	8093	[9594, 8750]	11450	[12623, 3319]
1380	[2551, 2552]	4737	[2803, 7340]	8094	[11000, 9337]	11451	[12624, 10769]
1381	[2553, 866]	4738	[7341, 230]	8095	[11001, 8465]	11452	[12625, 10635]
1382	[2554, 2555]	4739	[6418, 733]	8096	[11002, 11003]	11453	[12626, 12627]
1383	[819, 2556]	4740	[7342, 7343]	8097	[11004, 10252]	11454	[10641, 12628]
1384	[2557, 2558]	4741	[3238, 720]	8098	[9785, 11005]	11455	[12629, 9171]
1385	[2559, 2560]	4742	[170, 7344]	8099	[9891, 11006]	11456	[9623, 4430]
1386	[2561, 2562]	4743	[5778, 7345]	8100	[5072, 10771]	11457	[9020, 9945]
1387	[2563, 2564]	4744	[1914, 6163]	8101	[10200, 9378]	11458	[12630, 8660]
1388	[2565, 2566]	4745	[2971, 7346]	8102	[11007, 766]	11459	[10175, 12631]
1389	[2567, 2568]	4746	[6767, 887]	8103	[1955, 11008]	11460	[3507, 10100]
1390	[2569, 2570]	4747	[7347, 7348]	8104	[11009, 5873]	11461	[12632, 10990]
1391	[2571, 2572]	4748	[7349, 7350]	8105	[7755, 11010]	11462	[12633, 4519]
1392	[2573, 2574]	4749	[6591, 3197]	8106	[6352, 5778]	11463	[5087, 12634]
1393	[2575, 2576]	4750	[7351, 6027]	8107	[7379, 6018]	11464	[12635, 4301]
1394	[2577, 2578]	4751	[7352, 7353]	8108	[11011, 2361]	11465	[12636, 9011]
1395	[2579, 2580]	4752	[2584, 7354]	8109	[11012, 6307]	11466	[9442, 8752]
1396	[2581, 677]	4753	[7192, 2455]	8110	[2853, 7458]	11467	[12637, 8568]
1397	[2582, 2583]	4754	[7355, 33]	8111	[7361, 149]	11468	[10433, 12552]
1398	[2059, 2584]	4755	[2403, 7356]	8112	[2467, 1896]	11469	[8787, 12638]
1399	[2585, 2586]	4756	[6047, 3056]	8113	[2010, 6800]	11470	[8108, 12442]
1400	[2587, 2588]	4757	[7357, 3238]	8114	[870, 5862]	11471	[10386, 12639]
1401	[2589, 2590]	4758	[904, 7358]	8115	[6464, 7906]	11472	[12449, 3791]
1402	[2591, 2592]	4759	[2494, 2327]	8116	[7869, 2429]	11473	[12473, 12640]
1403	[2593, 2594]	4760	[1944, 7359]	8117	[11013, 7736]	11474	[5261, 4180]
1404	[2595, 2266]	4761	[2270, 5982]	8118	[11014, 2541]	11475	[9511, 8430]
1405	[2596, 2597]	4762	[5882, 6442]	8119	[7347, 7145]	11476	[12641, 12642]
1406	[2598, 197]	4763	[578, 5769]	8120	[11015, 7670]	11477	[5159, 12643]

1407	[2599, 2600]	4764	[6666, 872]	8121	[770, 11016]	11478	[5051, 12430]
1408	[2601, 2260]	4765	[149, 548]	8122	[3215, 11017]	11479	[12644, 12645]
1409	[2602, 2603]	4766	[7357, 719]	8123	[11018, 11019]	11480	[10966, 12646]
1410	[2604, 864]	4767	[769, 2923]	8124	[11020, 1939]	11481	[12647, 10549]
1411	[2605, 894]	4768	[7360, 7361]	8125	[11021, 2470]	11482	[12648, 354]
1412	[2606, 2607]	4769	[3179, 7362]	8126	[11022, 7571]	11483	[5657, 12649]
1413	[2608, 2609]	4770	[6247, 7363]	8127	[2268, 1993]	11484	[12650, 12651]
1414	[2610, 2611]	4771	[2511, 7364]	8128	[1946, 2194]	11485	[12652, 4330]
1415	[2612, 2613]	4772	[5869, 7365]	8129	[11023, 11024]	11486	[4816, 12653]
1416	[2614, 2615]	4773	[3063, 7366]	8130	[2135, 3075]	11487	[12654, 4542]
1417	[140, 2616]	4774	[7367, 661]	8131	[934, 1951]	11488	[1504, 258]
1418	[2617, 2618]	4775	[177, 5687]	8132	[543, 6315]	11489	[1754, 4847]
1419	[2619, 2620]	4776	[6320, 7368]	8133	[11025, 11026]	11490	[10360, 12655]
1420	[2621, 2090]	4777	[6412, 7369]	8134	[11027, 3050]	11491	[4896, 12656]
1421	[722, 2569]	4778	[2138, 7370]	8135	[6985, 7378]	11492	[12657, 12293]
1422	[2321, 2622]	4779	[7371, 2274]	8136	[7402, 11028]	11493	[12320, 10295]
1423	[2298, 2623]	4780	[935, 7372]	8137	[619, 11029]	11494	[8242, 12658]
1424	[2624, 2625]	4781	[128, 7373]	8138	[6535, 2627]	11495	[8665, 12659]
1425	[2061, 2626]	4782	[7374, 7289]	8139	[43, 7565]	11496	[4406, 10663]
1426	[2627, 1962]	4783	[6997, 7043]	8140	[6904, 11030]	11497	[5528, 12660]
1427	[2628, 2629]	4784	[2829, 7375]	8141	[11031, 2239]	11498	[12661, 5095]
1428	[2630, 2631]	4785	[7376, 542]	8142	[6849, 5875]	11499	[10740, 9105]
1429	[2632, 2633]	4786	[6553, 7377]	8143	[6436, 2100]	11500	[12662, 12415]
1430	[2634, 2635]	4787	[2653, 7378]	8144	[7056, 3145]	11501	[12663, 3648]
1431	[528, 2636]	4788	[533, 3100]	8145	[2487, 7468]	11502	[9914, 4085]
1432	[2637, 2638]	4789	[7379, 7019]	8146	[57, 11032]	11503	[12664, 12647]
1433	[2639, 2640]	4790	[7380, 7381]	8147	[7112, 11033]	11504	[5433, 4875]
1434	[2641, 2642]	4791	[7382, 7383]	8148	[194, 11034]	11505	[10760, 1709]
1435	[2643, 2644]	4792	[6012, 7384]	8149	[745, 8063]	11506	[12665, 10450]
1436	[2645, 2646]	4793	[2089, 6500]	8150	[11035, 8048]	11507	[12441, 4774]
1437	[2046, 2647]	4794	[7385, 7386]	8151	[7071, 11036]	11508	[12666, 12667]
1438	[2648, 2261]	4795	[7387, 7388]	8152	[589, 11037]	11509	[8203, 4282]
1439	[2649, 2650]	4796	[6792, 6656]	8153	[11038, 6892]	11510	[11005, 10038]
1440	[2651, 2652]	4797	[2376, 6738]	8154	[11039, 3260]	11511	[3926, 8183]
1441	[2653, 2654]	4798	[7389, 7390]	8155	[2679, 3051]	11512	[9551, 10765]
1442	[2655, 2196]	4799	[7391, 2607]	8156	[11040, 818]	11513	[1791, 9163]
1443	[830, 2656]	4800	[6263, 5716]	8157	[11041, 11042]	11514	[9147, 10335]
1444	[2657, 2658]	4801	[7392, 6950]	8158	[11043, 11044]	11515	[12668, 12669]
1445	[2659, 2660]	4802	[772, 7393]	8159	[11045, 2418]	11516	[1303, 9683]
1446	[2661, 2571]	4803	[249, 7394]	8160	[11046, 6331]	11517	[8159, 8257]
1447	[2662, 2663]	4804	[7395, 696]	8161	[11047, 11048]	11518	[12670, 3800]
1448	[191, 2664]	4805	[7183, 7396]	8162	[6009, 6921]	11519	[12671, 12672]
1449	[2665, 2666]	4806	[7397, 2900]	8163	[6011, 2980]	11520	[12673, 12674]
1450	[2667, 604]	4807	[7398, 2939]	8164	[691, 138]	11521	[9545, 8839]

1451	[2154, 2668]	4808	[7399, 2888]	8165	[11049, 6226]	11522	[12675, 12676]
1452	[2669, 2670]	4809	[2550, 6044]	8166	[2713, 6325]	11523	[12404, 5108]
1453	[2671, 2672]	4810	[128, 2636]	8167	[6458, 6530]	11524	[9625, 12677]
1454	[2673, 2674]	4811	[3147, 7400]	8168	[133, 2413]	11525	[12678, 10640]
1455	[2675, 2676]	4812	[7401, 7402]	8169	[6491, 11050]	11526	[12679, 9584]
1456	[2677, 2678]	4813	[7018, 7403]	8170	[6045, 2491]	11527	[10902, 12680]
1457	[2679, 2680]	4814	[7404, 7405]	8171	[11051, 5882]	11528	[12681, 8432]
1458	[2681, 184]	4815	[2914, 5762]	8172	[6808, 7552]	11529	[1850, 4252]
1459	[1965, 2682]	4816	[7406, 928]	8173	[11052, 11053]	11530	[12682, 12683]
1460	[2683, 2684]	4817	[6124, 891]	8174	[11054, 11055]	11531	[12684, 5573]
1461	[2685, 2686]	4818	[7407, 7408]	8175	[2402, 11056]	11532	[12685, 9075]
1462	[583, 2687]	4819	[6592, 2427]	8176	[11057, 7997]	11533	[12686, 1743]
1463	[2688, 2689]	4820	[567, 5773]	8177	[11058, 3263]	11534	[9911, 9724]
1464	[753, 2690]	4821	[1926, 6598]	8178	[2322, 5974]	11535	[12687, 1070]
1465	[2691, 2692]	4822	[7409, 6357]	8179	[6513, 11059]	11536	[10956, 12688]
1466	[2693, 2694]	4823	[6106, 6881]	8180	[7943, 11060]	11537	[106, 10778]
1467	[2695, 2696]	4824	[801, 7410]	8181	[2286, 2471]	11538	[12689, 10692]
1468	[2279, 2209]	4825	[7398, 6711]	8182	[11061, 2379]	11539	[12690, 4147]
1469	[2697, 2698]	4826	[6738, 7411]	8183	[1990, 7343]	11540	[12691, 12692]
1470	[2699, 834]	4827	[6539, 7412]	8184	[2988, 11062]	11541	[12693, 8905]
1471	[2700, 2502]	4828	[2054, 7413]	8185	[5907, 6468]	11542	[10857, 12694]
1472	[2662, 2701]	4829	[7414, 2281]	8186	[6327, 7037]	11543	[12695, 12696]
1473	[2702, 2703]	4830	[7415, 7276]	8187	[3183, 2617]	11544	[12697, 12698]
1474	[2704, 183]	4831	[53, 5870]	8188	[11049, 2149]	11545	[8113, 1323]
1475	[199, 2705]	4832	[7416, 6649]	8189	[5749, 11063]	11546	[12699, 8668]
1476	[2706, 2707]	4833	[2065, 7417]	8190	[7531, 534]	11547	[12700, 12701]
1477	[1875, 2708]	4834	[7418, 1945]	8191	[2932, 11064]	11548	[8539, 12702]
1478	[2709, 518]	4835	[7419, 1897]	8192	[2052, 7582]	11549	[12703, 8624]
1479	[2710, 2711]	4836	[3200, 7420]	8193	[7449, 11065]	11550	[12704, 12705]
1480	[2712, 745]	4837	[7421, 7422]	8194	[11066, 7701]	11551	[12706, 12707]
1481	[2713, 2714]	4838	[7423, 5971]	8195	[11067, 3255]	11552	[9461, 12703]
1482	[668, 2715]	4839	[6392, 7424]	8196	[11068, 2754]	11553	[10145, 12708]
1483	[2244, 2111]	4840	[7425, 614]	8197	[6230, 624]	11554	[12440, 10627]
1484	[2716, 2717]	4841	[3054, 2058]	8198	[11069, 11070]	11555	[9203, 12709]
1485	[2402, 2718]	4842	[7426, 7427]	8199	[11071, 7603]	11556	[12710, 5546]
1486	[2719, 807]	4843	[7428, 7429]	8200	[249, 11072]	11557	[12711, 3752]
1487	[2720, 2721]	4844	[6098, 7430]	8201	[700, 5913]	11558	[3565, 12712]
1488	[2722, 2723]	4845	[3165, 7431]	8202	[11073, 8038]	11559	[9324, 10379]
1489	[2724, 2725]	4846	[7432, 652]	8203	[8029, 700]	11560	[12713, 12266]
1490	[2726, 2727]	4847	[3121, 6515]	8204	[707, 2594]	11561	[12714, 10070]
1491	[2728, 2729]	4848	[7433, 7434]	8205	[7267, 6436]	11562	[9108, 12715]
1492	[2730, 2731]	4849	[7435, 5758]	8206	[6895, 6349]	11563	[486, 3951]
1493	[2732, 2733]	4850	[7436, 595]	8207	[175, 7405]	11564	[1029, 10927]
1494	[2734, 2735]	4851	[2957, 7437]	8208	[11074, 7285]	11565	[12716, 12596]

1495	[2736, 2737]	4852	[6698, 5768]	8209	[7382, 1941]	11566	[12717, 12718]
1496	[2738, 2739]	4853	[825, 6443]	8210	[556, 7578]	11567	[8134, 10499]
1497	[2071, 2740]	4854	[3253, 2337]	8211	[6105, 210]	11568	[12719, 9995]
1498	[2741, 2742]	4855	[7438, 7439]	8212	[7244, 7227]	11569	[12720, 497]
1499	[2743, 812]	4856	[2856, 6876]	8213	[7397, 11075]	11570	[8297, 12721]
1500	[2744, 2745]	4857	[7440, 2938]	8214	[11076, 640]	11571	[12722, 12723]
1501	[2746, 2677]	4858	[6264, 7441]	8215	[5883, 2419]	11572	[8491, 12611]
1502	[2747, 2748]	4859	[7442, 7443]	8216	[1958, 6816]	11573	[8999, 12724]
1503	[2749, 511]	4860	[7031, 7444]	8217	[2195, 11077]	11574	[9959, 10371]
1504	[2750, 2294]	4861	[6669, 732]	8218	[11078, 11079]	11575	[5147, 12725]
1505	[2751, 2752]	4862	[7445, 6401]	8219	[11080, 7678]	11576	[9086, 10545]
1506	[2753, 2754]	4863	[7446, 7447]	8220	[11081, 3275]	11577	[12726, 1683]
1507	[2755, 2756]	4864	[3141, 6038]	8221	[584, 11082]	11578	[12727, 8804]
1508	[2757, 786]	4865	[7448, 1872]	8222	[586, 11083]	11579	[5648, 10088]
1509	[2758, 1949]	4866	[192, 7449]	8223	[726, 6522]	11580	[12728, 12241]
1510	[2759, 2760]	4867	[218, 7450]	8224	[11084, 6645]	11581	[5205, 4745]
1511	[2761, 2664]	4868	[6133, 7311]	8225	[3038, 7047]	11582	[12729, 10958]
1512	[884, 2762]	4869	[6249, 7451]	8226	[11014, 6542]	11583	[10895, 4309]
1513	[2763, 2216]	4870	[7452, 2763]	8227	[776, 5984]	11584	[12730, 9674]
1514	[2764, 2765]	4871	[6203, 7453]	8228	[11085, 803]	11585	[12615, 12731]
1515	[2766, 2767]	4872	[202, 7454]	8229	[5694, 2976]	11586	[12732, 12733]
1516	[2768, 811]	4873	[7455, 7456]	8230	[52, 11086]	11587	[289, 10577]
1517	[1964, 2769]	4874	[7457, 7458]	8231	[11087, 6554]	11588	[10348, 9153]
1518	[2770, 2771]	4875	[7459, 7460]	8232	[11027, 2679]	11589	[3788, 8114]
1519	[2489, 2772]	4876	[7461, 6645]	8233	[2704, 2681]	11590	[12734, 4672]
1520	[2773, 2774]	4877	[7462, 7463]	8234	[2262, 2677]	11591	[9872, 12243]
1521	[2775, 2085]	4878	[2394, 678]	8235	[11088, 11089]	11592	[12735, 12736]
1522	[2151, 919]	4879	[7464, 3144]	8236	[2003, 6513]	11593	[12737, 1180]
1523	[2776, 915]	4880	[7465, 3136]	8237	[6095, 7057]	11594	[12738, 12345]
1524	[2777, 917]	4881	[7466, 7467]	8238	[11090, 6756]	11595	[9904, 9305]
1525	[2778, 2779]	4882	[7468, 7469]	8239	[5873, 3069]	11596	[12739, 10693]
1526	[900, 2780]	4883	[736, 7470]	8240	[3102, 5711]	11597	[12273, 12740]
1527	[2781, 2782]	4884	[2448, 7471]	8241	[1927, 6171]	11598	[10277, 9763]
1528	[2783, 609]	4885	[7472, 7473]	8242	[11091, 7649]	11599	[9006, 9622]
1529	[2784, 2785]	4886	[7474, 7475]	8243	[6028, 2779]	11600	[10150, 12741]
1530	[2142, 2786]	4887	[6334, 618]	8244	[11092, 2692]	11601	[12742, 1365]
1531	[2303, 893]	4888	[7476, 7101]	8245	[1878, 6279]	11602	[9004, 12743]
1532	[2787, 2788]	4889	[7211, 7077]	8246	[6760, 7527]	11603	[12744, 12745]
1533	[2789, 2790]	4890	[2599, 7477]	8247	[6322, 7760]	11604	[10633, 12746]
1534	[2791, 2792]	4891	[2570, 7003]	8248	[6731, 7408]	11605	[12747, 12748]
1535	[2793, 2794]	4892	[3130, 1997]	8249	[11093, 6909]	11606	[4506, 10340]
1536	[2795, 2796]	4893	[7478, 7479]	8250	[11094, 8017]	11607	[12749, 12750]
1537	[2797, 2231]	4894	[7365, 7480]	8251	[8034, 6266]	11608	[12751, 12752]
1538	[561, 2798]	4895	[7481, 2832]	8252	[11095, 8079]	11609	[12753, 12754]

1539	[2799, 2170]	4896	[892, 2570]	8253	[11096, 7045]	11610	[5532, 12755]
1540	[2656, 2800]	4897	[134, 6963]	8254	[11097, 2547]	11611	[12756, 8437]
1541	[2801, 2802]	4898	[7482, 809]	8255	[7241, 11098]	11612	[4809, 12757]
1542	[2803, 2804]	4899	[7483, 7484]	8256	[196, 5801]	11613	[12758, 8845]
1543	[2805, 2806]	4900	[7485, 2720]	8257	[7401, 11099]	11614	[12759, 9617]
1544	[2771, 2648]	4901	[7224, 7486]	8258	[6111, 2739]	11615	[9999, 1598]
1545	[2807, 2808]	4902	[7487, 7488]	8259	[11100, 2018]	11616	[12640, 12760]
1546	[2809, 2810]	4903	[6674, 7489]	8260	[11101, 2230]	11617	[12761, 12762]
1547	[1922, 2811]	4904	[7490, 862]	8261	[2991, 7745]	11618	[10239, 12763]
1548	[2812, 2813]	4905	[2159, 2223]	8262	[7964, 6029]	11619	[12764, 12765]
1549	[2814, 776]	4906	[5761, 2915]	8263	[11102, 6087]	11620	[12766, 12289]
1550	[2815, 1953]	4907	[7491, 7492]	8264	[7218, 3046]	11621	[3908, 12767]
1551	[1988, 2816]	4908	[7493, 7494]	8265	[11103, 11104]	11622	[12768, 9209]
1552	[2817, 2818]	4909	[774, 7013]	8266	[11105, 11106]	11623	[12769, 10278]
1553	[2819, 2820]	4910	[6202, 2667]	8267	[11107, 5730]	11624	[12770, 9686]
1554	[2020, 2821]	4911	[6593, 2091]	8268	[11108, 7116]	11625	[8847, 3553]
1555	[575, 2822]	4912	[7480, 7495]	8269	[6346, 766]	11626	[12771, 12772]
1556	[2823, 2824]	4913	[7496, 7497]	8270	[7004, 2764]	11627	[100, 1475]
1557	[2825, 2826]	4914	[7498, 7499]	8271	[11109, 6649]	11628	[5016, 5307]
1558	[2149, 2827]	4915	[6826, 3245]	8272	[11110, 2169]	11629	[9680, 12773]
1559	[2828, 151]	4916	[1939, 2509]	8273	[2098, 7381]	11630	[3732, 12774]
1560	[2747, 2829]	4917	[6715, 2449]	8274	[11025, 11111]	11631	[9495, 9012]
1561	[2830, 2831]	4918	[6811, 7500]	8275	[6565, 7502]	11632	[12775, 12776]
1562	[2832, 2833]	4919	[7501, 7502]	8276	[11112, 7061]	11633	[12777, 23]
1563	[2834, 2835]	4920	[2668, 7503]	8277	[11113, 7406]	11634	[12778, 4272]
1564	[2836, 2837]	4921	[2134, 6465]	8278	[6865, 11114]	11635	[9284, 296]
1565	[2146, 2838]	4922	[7440, 903]	8279	[2650, 8068]	11636	[12779, 9624]
1566	[777, 2839]	4923	[5862, 2861]	8280	[11115, 11116]	11637	[12780, 10377]
1567	[2840, 2841]	4924	[7247, 7504]	8281	[6678, 11117]	11638	[4619, 12781]
1568	[2842, 2843]	4925	[7505, 7506]	8282	[7196, 5873]	11639	[12782, 5342]
1569	[2844, 2845]	4926	[7507, 556]	8283	[6226, 2150]	11640	[12783, 8687]
1570	[2846, 2847]	4927	[7508, 6092]	8284	[5792, 6824]	11641	[12784, 10954]
1571	[2848, 2849]	4928	[7509, 2925]	8285	[141, 7093]	11642	[480, 9892]
1572	[2138, 2850]	4929	[2118, 2957]	8286	[758, 11118]	11643	[12785, 4400]
1573	[2851, 2852]	4930	[7151, 2872]	8287	[168, 6126]	11644	[12786, 12787]
1574	[2853, 2854]	4931	[7510, 590]	8288	[7537, 11119]	11645	[3963, 4793]
1575	[2855, 2856]	4932	[5978, 2933]	8289	[40, 11120]	11646	[12788, 12789]
1576	[2857, 2714]	4933	[2054, 7511]	8290	[42, 6087]	11647	[12373, 12790]
1577	[2858, 2859]	4934	[600, 7512]	8291	[2109, 11121]	11648	[12524, 12791]
1578	[2860, 2693]	4935	[7513, 6273]	8292	[11122, 11123]	11649	[12792, 9997]
1579	[2408, 2861]	4936	[2845, 188]	8293	[7128, 2092]	11650	[10530, 9177]
1580	[2862, 2863]	4937	[7514, 7515]	8294	[3137, 11124]	11651	[12793, 3290]
1581	[2143, 2864]	4938	[7516, 7517]	8295	[11125, 11126]	11652	[12530, 3292]
1582	[1870, 2480]	4939	[7518, 6321]	8296	[6538, 54]	11653	[9143, 12794]

1583	[2865, 2866]	4940	[5766, 1915]	8297	[7281, 8069]	11654	[10229, 12795]
1584	[581, 2867]	4941	[6652, 5810]	8298	[11127, 7613]	11655	[343, 12622]
1585	[188, 2868]	4942	[6844, 6395]	8299	[6782, 7321]	11656	[9850, 9349]
1586	[2869, 2870]	4943	[841, 530]	8300	[2733, 11128]	11657	[468, 12467]
1587	[2871, 2872]	4944	[3178, 5861]	8301	[534, 6080]	11658	[12701, 5554]
1588	[2873, 2874]	4945	[598, 2684]	8302	[11129, 11130]	11659	[3505, 12796]
1589	[2875, 2876]	4946	[7519, 2312]	8303	[2741, 11131]	11660	[12797, 12798]
1590	[2877, 2878]	4947	[7520, 6926]	8304	[6520, 6642]	11661	[12799, 12800]
1591	[2650, 2879]	4948	[6859, 6038]	8305	[7260, 11132]	11662	[9516, 12693]
1592	[2880, 2881]	4949	[7521, 5825]	8306	[919, 11133]	11663	[4448, 10941]
1593	[2882, 2319]	4950	[7522, 592]	8307	[11134, 5835]	11664	[12801, 10206]
1594	[2883, 884]	4951	[5853, 7523]	8308	[7722, 7474]	11665	[9408, 12802]
1595	[2884, 2885]	4952	[6191, 7524]	8309	[11135, 6311]	11666	[3448, 12778]
1596	[2886, 2887]	4953	[6679, 6088]	8310	[5918, 6434]	11667	[12803, 12804]
1597	[2888, 2889]	4954	[7525, 7526]	8311	[2596, 11136]	11668	[1539, 12805]
1598	[2890, 2891]	4955	[7133, 7527]	8312	[5691, 2863]	11669	[12806, 10963]
1599	[2892, 2893]	4956	[7528, 7529]	8313	[2318, 7021]	11670	[1420, 12807]
1600	[2894, 2621]	4957	[2663, 2922]	8314	[6480, 6978]	11671	[10306, 1616]
1601	[2895, 2896]	4958	[5700, 7230]	8315	[7243, 2710]	11672	[12808, 12809]
1602	[2897, 2898]	4959	[2940, 7530]	8316	[6739, 5802]	11673	[10818, 9481]
1603	[2899, 892]	4960	[7531, 3100]	8317	[7753, 6681]	11674	[12810, 9851]
1604	[2900, 2901]	4961	[6211, 2274]	8318	[11137, 6050]	11675	[12811, 12337]
1605	[2902, 2903]	4962	[2788, 7532]	8319	[5865, 508]	11676	[1461, 12812]
1606	[2904, 2905]	4963	[7533, 7288]	8320	[41, 11102]	11677	[12813, 12814]
1607	[2906, 171]	4964	[7534, 7535]	8321	[2251, 11056]	11678	[12545, 12815]
1608	[2907, 2908]	4965	[7536, 7537]	8322	[7838, 6920]	11679	[12816, 5043]
1609	[2425, 2909]	4966	[7538, 2726]	8323	[7900, 11138]	11680	[12817, 8448]
1610	[2910, 2911]	4967	[7539, 7540]	8324	[8018, 6284]	11681	[3376, 10743]
1611	[2292, 2912]	4968	[7541, 2217]	8325	[6576, 11139]	11682	[12818, 10984]
1612	[660, 2913]	4969	[2590, 7542]	8326	[11140, 7619]	11683	[12819, 12820]
1613	[2914, 2915]	4970	[7543, 2990]	8327	[2819, 7399]	11684	[10075, 12386]
1614	[2916, 2917]	4971	[2261, 7544]	8328	[7859, 11141]	11685	[12821, 10915]
1615	[2918, 2919]	4972	[7545, 7546]	8329	[7193, 6902]	11686	[8719, 12822]
1616	[890, 2920]	4973	[7547, 2801]	8330	[7976, 2084]	11687	[10917, 12823]
1617	[949, 2921]	4974	[6028, 7548]	8331	[11085, 7323]	11688	[1534, 12824]
1618	[2701, 2922]	4975	[7549, 756]	8332	[6317, 11142]	11689	[8952, 3624]
1619	[2923, 2924]	4976	[2024, 812]	8333	[2362, 7475]	11690	[12825, 4897]
1620	[2925, 620]	4977	[2569, 7002]	8334	[7958, 5901]	11691	[8272, 10432]
1621	[2926, 2927]	4978	[2146, 7177]	8335	[2673, 7500]	11692	[8642, 8504]
1622	[2928, 2929]	4979	[7482, 7255]	8336	[11143, 822]	11693	[5377, 9089]
1623	[2930, 2931]	4980	[6335, 767]	8337	[2736, 7222]	11694	[12826, 10324]
1624	[2932, 2933]	4981	[7550, 3198]	8338	[11144, 6668]	11695	[12827, 12828]
1625	[2934, 2932]	4982	[6272, 7551]	8339	[11145, 7896]	11696	[4613, 12829]
1626	[2935, 2936]	4983	[7089, 3164]	8340	[11146, 735]	11697	[10946, 12830]

1627	[2937, 2853]	4984	[665, 3036]	8341	[6914, 131]	11698	[12698, 12831]
1628	[902, 2938]	4985	[602, 7552]	8342	[7487, 11147]	11699	[9716, 1721]
1629	[2939, 2940]	4986	[7553, 3121]	8343	[11148, 56]	11700	[8499, 12832]
1630	[2171, 2778]	4987	[5850, 734]	8344	[2888, 6184]	11701	[4924, 1094]
1631	[2941, 2942]	4988	[7554, 2225]	8345	[2969, 7868]	11702	[12833, 12401]
1632	[2943, 2944]	4989	[2160, 6725]	8346	[11149, 7833]	11703	[12834, 10611]
1633	[2945, 2946]	4990	[7555, 6053]	8347	[11150, 968]	11704	[12835, 12836]
1634	[673, 2947]	4991	[7556, 7557]	8348	[11151, 2845]	11705	[10737, 12837]
1635	[2948, 2949]	4992	[7558, 1925]	8349	[11152, 11153]	11706	[1269, 12838]
1636	[2950, 2951]	4993	[5722, 5798]	8350	[7664, 7884]	11707	[4015, 12579]
1637	[2952, 2953]	4994	[5912, 953]	8351	[11154, 46]	11708	[5331, 9635]
1638	[2954, 2955]	4995	[7069, 6694]	8352	[11155, 6732]	11709	[12839, 10410]
1639	[2847, 2956]	4996	[7559, 191]	8353	[6353, 5779]	11710	[12656, 9456]
1640	[2957, 2958]	4997	[1940, 7383]	8354	[11156, 5949]	11711	[12840, 1045]
1641	[2959, 2960]	4998	[7560, 5874]	8355	[7607, 5931]	11712	[12841, 3483]
1642	[2961, 2962]	4999	[7561, 7562]	8356	[11157, 7430]	11713	[12842, 12843]
1643	[2963, 2964]	5000	[7446, 2437]	8357	[7408, 2185]	11714	[8717, 10719]
1644	[2965, 2966]	5001	[6212, 5752]	8358	[831, 7751]	11715	[10189, 12844]
1645	[2967, 2889]	5002	[940, 2314]	8359	[11158, 7625]	11716	[12307, 10864]
1646	[2542, 2968]	5003	[7563, 1929]	8360	[2908, 11159]	11717	[5265, 12845]
1647	[2969, 2970]	5004	[7564, 6356]	8361	[11160, 2321]	11718	[12846, 12847]
1648	[2751, 2971]	5005	[7041, 7565]	8362	[172, 2846]	11719	[12342, 8708]
1649	[2884, 2972]	5006	[6848, 745]	8363	[585, 3015]	11720	[12848, 8259]
1650	[2973, 2974]	5007	[6740, 7566]	8364	[7040, 7209]	11721	[5511, 12849]
1651	[2975, 2976]	5008	[7181, 7567]	8365	[6942, 11161]	11722	[12850, 8453]
1652	[2977, 2978]	5009	[5910, 6334]	8366	[11162, 11163]	11723	[12851, 10656]
1653	[2735, 632]	5010	[7568, 7569]	8367	[5855, 2406]	11724	[8326, 12852]
1654	[2979, 967]	5011	[1935, 7109]	8368	[934, 11164]	11725	[12369, 9646]
1655	[2980, 2981]	5012	[7570, 2212]	8369	[6179, 11165]	11726	[12853, 12854]
1656	[2982, 2983]	5013	[6151, 6685]	8370	[2881, 5921]	11727	[12855, 4409]
1657	[2984, 2985]	5014	[7571, 7572]	8371	[7576, 11166]	11728	[12856, 4174]
1658	[2986, 2987]	5015	[5869, 7573]	8372	[2243, 7384]	11729	[4943, 12857]
1659	[2988, 2989]	5016	[5944, 7574]	8373	[7938, 11167]	11730	[9014, 5273]
1660	[2990, 2115]	5017	[7575, 7184]	8374	[8081, 717]	11731	[12858, 8523]
1661	[2991, 2992]	5018	[6948, 3151]	8375	[5768, 6901]	11732	[1413, 12859]
1662	[2110, 2245]	5019	[7576, 7577]	8376	[6613, 2299]	11733	[12860, 4054]
1663	[2993, 2994]	5020	[2172, 7578]	8377	[6588, 5882]	11734	[12861, 12862]
1664	[2930, 2995]	5021	[7579, 7580]	8378	[2119, 2958]	11735	[1749, 12863]
1665	[188, 2996]	5022	[7581, 7582]	8379	[2359, 6759]	11736	[5401, 12864]
1666	[2997, 2998]	5023	[3074, 3072]	8380	[7385, 11168]	11737	[4038, 12865]
1667	[2999, 3000]	5024	[6115, 7583]	8381	[6192, 8041]	11738	[4198, 10726]
1668	[1972, 2565]	5025	[7328, 6487]	8382	[2780, 5900]	11739	[1009, 8241]
1669	[3001, 3002]	5026	[7584, 7585]	8383	[11169, 6015]	11740	[10170, 3644]
1670	[3003, 3004]	5027	[3030, 7554]	8384	[2376, 7524]	11741	[1139, 1102]

1671	[2553, 2585]	5028	[7586, 128]	8385	[11170, 3138]	11742	[12866, 9238]
1672	[3005, 3006]	5029	[7587, 2497]	8386	[5946, 11171]	11743	[9787, 9301]
1673	[3007, 3008]	5030	[7588, 7589]	8387	[11172, 11173]	11744	[12867, 10834]
1674	[139, 3009]	5031	[7590, 2571]	8388	[11174, 11175]	11745	[12300, 12868]
1675	[3010, 3011]	5032	[6399, 2176]	8389	[622, 898]	11746	[5103, 12869]
1676	[3012, 2022]	5033	[6088, 6999]	8390	[11168, 11176]	11747	[12870, 12871]
1677	[3013, 3014]	5034	[7591, 7592]	8391	[5715, 6812]	11748	[3695, 4436]
1678	[193, 38]	5035	[2666, 7593]	8392	[11177, 5683]	11749	[12872, 9729]
1679	[2198, 2596]	5036	[2728, 2275]	8393	[6756, 7802]	11750	[12873, 1612]
1680	[2177, 3015]	5037	[6213, 7594]	8394	[157, 7995]	11751	[10573, 1739]
1681	[3016, 3017]	5038	[600, 7595]	8395	[3045, 6830]	11752	[9322, 3433]
1682	[3018, 3019]	5039	[5755, 2793]	8396	[6670, 11178]	11753	[10977, 10860]
1683	[3020, 914]	5040	[7596, 7597]	8397	[3154, 11179]	11754	[110, 12874]
1684	[3021, 3022]	5041	[7598, 7599]	8398	[11180, 11181]	11755	[10270, 12875]
1685	[3023, 3024]	5042	[6234, 7600]	8399	[11182, 2056]	11756	[12814, 1312]
1686	[3025, 3026]	5043	[2517, 6206]	8400	[11183, 7983]	11757	[9728, 10367]
1687	[3027, 3028]	5044	[2237, 7601]	8401	[7801, 8087]	11758	[9994, 10872]
1688	[3029, 3030]	5045	[2744, 2831]	8402	[1995, 11184]	11759	[12876, 12877]
1689	[729, 2226]	5046	[7349, 2165]	8403	[827, 11185]	11760	[12878, 12879]
1690	[3031, 3032]	5047	[7602, 6781]	8404	[7930, 2143]	11761	[12880, 12881]
1691	[3033, 3034]	5048	[3202, 7603]	8405	[11186, 11187]	11762	[10178, 9791]
1692	[3035, 3036]	5049	[2860, 6349]	8406	[1942, 6464]	11763	[12882, 10128]
1693	[3037, 3038]	5050	[7020, 2273]	8407	[1902, 11188]	11764	[12883, 12884]
1694	[3039, 3040]	5051	[7604, 2085]	8408	[11189, 2118]	11765	[8959, 12885]
1695	[3041, 3042]	5052	[7605, 5745]	8409	[6014, 11190]	11766	[4539, 12569]
1696	[3043, 3044]	5053	[2791, 3083]	8410	[11043, 11191]	11767	[8912, 8849]
1697	[3045, 2156]	5054	[7606, 7607]	8411	[154, 11192]	11768	[12886, 9303]
1698	[171, 3046]	5055	[7608, 5836]	8412	[11193, 7473]	11769	[12887, 5382]
1699	[3047, 3048]	5056	[7609, 7610]	8413	[7590, 11194]	11770	[3641, 12888]
1700	[3049, 915]	5057	[592, 7611]	8414	[5846, 1970]	11771	[12468, 9792]
1701	[3050, 3051]	5058	[7330, 539]	8415	[6770, 7095]	11772	[5310, 5134]
1702	[3052, 3053]	5059	[6204, 2370]	8416	[11195, 11196]	11773	[5509, 1563]
1703	[3054, 3055]	5060	[7371, 2728]	8417	[2993, 6063]	11774	[12889, 12890]
1704	[3056, 2483]	5061	[941, 6896]	8418	[11197, 6690]	11775	[10965, 358]
1705	[3057, 3058]	5062	[7612, 7613]	8419	[11198, 7340]	11776	[12781, 12891]
1706	[514, 3059]	5063	[6772, 7614]	8420	[7005, 2765]	11777	[1530, 12892]
1707	[3060, 3061]	5064	[7615, 7616]	8421	[2770, 2601]	11778	[12893, 12397]
1708	[3062, 2040]	5065	[6901, 7617]	8422	[6208, 6369]	11779	[4117, 4976]
1709	[2170, 883]	5066	[6485, 3166]	8423	[7091, 5956]	11780	[5629, 3564]
1710	[3063, 3064]	5067	[5710, 6800]	8424	[11199, 6433]	11781	[4397, 4642]
1711	[3065, 3066]	5068	[2501, 209]	8425	[11200, 11041]	11782	[12894, 8406]
1712	[3067, 3068]	5069	[2532, 7618]	8426	[6142, 540]	11783	[9781, 12895]
1713	[2440, 3069]	5070	[216, 6222]	8427	[6728, 11201]	11784	[10854, 10487]
1714	[3070, 3071]	5071	[3039, 7619]	8428	[896, 612]	11785	[12896, 12897]

1715	[2837, 3072]	5072	[7620, 7621]	8429	[6414, 6067]	11786	[10670, 12898]
1716	[2698, 3073]	5073	[3274, 7622]	8430	[5923, 11202]	11787	[12344, 3759]
1717	[677, 3074]	5074	[6919, 7229]	8431	[5913, 954]	11788	[1153, 12899]
1718	[2588, 3075]	5075	[7623, 7624]	8432	[11203, 11204]	11789	[12900, 9278]
1719	[3000, 3076]	5076	[5983, 777]	8433	[11205, 11206]	11790	[3334, 25]
1720	[3077, 2224]	5077	[7625, 7626]	8434	[6691, 6240]	11791	[12901, 10176]
1721	[3078, 3079]	5078	[2620, 7627]	8435	[757, 7871]	11792	[5329, 12902]
1722	[3080, 3081]	5079	[7628, 6810]	8436	[2475, 5927]	11793	[10079, 3406]
1723	[3082, 642]	5080	[3176, 2290]	8437	[6915, 11207]	11794	[12694, 5653]
1724	[2802, 3083]	5081	[7629, 621]	8438	[11208, 6926]	11795	[12903, 1497]
1725	[2795, 3084]	5082	[856, 2144]	8439	[7955, 11209]	11796	[12904, 3489]
1726	[3023, 2435]	5083	[7630, 7631]	8440	[7925, 7267]	11797	[3452, 9909]
1727	[2175, 900]	5084	[7632, 631]	8441	[2971, 11210]	11798	[10501, 12905]
1728	[3085, 3086]	5085	[833, 6821]	8442	[1950, 11164]	11799	[12906, 12747]
1729	[3087, 1965]	5086	[7633, 7634]	8443	[2190, 11211]	11800	[9754, 12907]
1730	[630, 3088]	5087	[7635, 7079]	8444	[2305, 904]	11801	[8282, 12388]
1731	[2153, 3089]	5088	[7636, 676]	8445	[5721, 7241]	11802	[4425, 10813]
1732	[3090, 3091]	5089	[7637, 5866]	8446	[5723, 5799]	11803	[12908, 5620]
1733	[3092, 3093]	5090	[6104, 3271]	8447	[6217, 5795]	11804	[10451, 12909]
1734	[3094, 3095]	5091	[2293, 7638]	8448	[2313, 11212]	11805	[12910, 12911]
1735	[3096, 3097]	5092	[7639, 6407]	8449	[11213, 7686]	11806	[9764, 12912]
1736	[3098, 3099]	5093	[7589, 7640]	8450	[150, 11214]	11807	[5333, 12913]
1737	[3100, 3101]	5094	[2835, 7641]	8451	[11215, 5778]	11808	[1494, 9174]
1738	[3102, 3103]	5095	[531, 6199]	8452	[11216, 11217]	11809	[12914, 4855]
1739	[2086, 922]	5096	[1865, 7642]	8453	[7568, 11218]	11810	[3434, 12915]
1740	[2511, 3104]	5097	[7643, 6482]	8454	[11219, 748]	11811	[9170, 8973]
1741	[3105, 3106]	5098	[7644, 143]	8455	[11220, 8062]	11812	[12794, 8564]
1742	[2575, 663]	5099	[689, 2910]	8456	[5929, 11221]	11813	[12916, 4207]
1743	[3107, 3108]	5100	[2981, 7645]	8457	[6695, 11222]	11814	[12909, 12917]
1744	[2944, 2253]	5101	[7159, 7646]	8458	[11223, 6691]	11815	[12918, 9392]
1745	[3109, 3110]	5102	[7221, 2060]	8459	[6206, 7109]	11816	[9740, 12919]
1746	[2390, 3111]	5103	[7647, 2353]	8460	[11224, 11225]	11817	[9741, 12920]
1747	[690, 3112]	5104	[2239, 3010]	8461	[6403, 6996]	11818	[3331, 10254]
1748	[3113, 3114]	5105	[7648, 5795]	8462	[5962, 3280]	11819	[12921, 12433]
1749	[645, 3115]	5106	[7276, 2301]	8463	[11226, 5997]	11820	[4777, 12308]
1750	[3116, 3117]	5107	[7407, 2184]	8464	[2481, 11227]	11821	[12922, 12786]
1751	[2907, 3118]	5108	[7649, 3033]	8465	[7008, 2972]	11822	[9527, 12923]
1752	[2935, 3119]	5109	[7650, 784]	8466	[6040, 6000]	11823	[8683, 1100]
1753	[3120, 3121]	5110	[548, 6962]	8467	[5784, 11228]	11824	[12924, 12925]
1754	[3122, 3123]	5111	[550, 7651]	8468	[2389, 7326]	11825	[10710, 12926]
1755	[3124, 3125]	5112	[3056, 6043]	8469	[11229, 2132]	11826	[12927, 10502]
1756	[3126, 3127]	5113	[6267, 932]	8470	[6620, 7987]	11827	[12928, 9971]
1757	[3128, 3129]	5114	[2111, 208]	8471	[866, 11230]	11828	[12929, 9158]
1758	[1911, 3119]	5115	[2497, 6081]	8472	[7302, 6934]	11829	[12387, 10265]

1759	[3130, 3131]	5116	[2395, 7652]	8473	[2664, 7449]	11830	[10419, 12930]
1760	[3132, 3133]	5117	[7306, 6058]	8474	[2438, 7182]	11831	[5563, 5358]
1761	[3134, 1921]	5118	[7653, 7654]	8475	[6198, 532]	11832	[12931, 10910]
1762	[3122, 3135]	5119	[7655, 7656]	8476	[7402, 11231]	11833	[12907, 9282]
1763	[3136, 3137]	5120	[7657, 7658]	8477	[11232, 3120]	11834	[12932, 3402]
1764	[3047, 3138]	5121	[7659, 7660]	8478	[54, 5871]	11835	[116, 12933]
1765	[3139, 3140]	5122	[2603, 7076]	8479	[6355, 11233]	11836	[4533, 12934]
1766	[3141, 2695]	5123	[863, 7661]	8480	[11234, 11235]	11837	[12935, 12936]
1767	[2316, 3142]	5124	[7480, 6236]	8481	[7727, 11236]	11838	[9579, 12937]
1768	[2510, 3143]	5125	[2522, 6815]	8482	[11157, 5942]	11839	[9084, 12938]
1769	[3144, 3145]	5126	[7662, 3071]	8483	[1953, 7642]	11840	[12270, 1414]
1770	[1929, 3146]	5127	[7663, 7664]	8484	[2623, 6901]	11841	[12939, 10882]
1771	[3147, 3148]	5128	[6921, 3016]	8485	[7207, 899]	11842	[8389, 9671]
1772	[3149, 3150]	5129	[7665, 7666]	8486	[11092, 7000]	11843	[12940, 8843]
1773	[2789, 3151]	5130	[7667, 7668]	8487	[537, 6165]	11844	[12941, 4862]
1774	[3152, 3153]	5131	[7669, 7670]	8488	[2164, 11237]	11845	[5464, 9592]
1775	[3154, 3155]	5132	[6606, 7671]	8489	[7027, 11238]	11846	[12942, 10532]
1776	[3156, 3157]	5133	[5728, 5932]	8490	[11239, 6347]	11847	[1204, 8230]
1777	[3158, 3159]	5134	[7607, 5728]	8491	[11240, 2326]	11848	[9574, 12943]
1778	[3160, 3161]	5135	[5737, 582]	8492	[7067, 2995]	11849	[1761, 12944]
1779	[3162, 3163]	5136	[5984, 2839]	8493	[11241, 8003]	11850	[12945, 10135]
1780	[3164, 2816]	5137	[3089, 666]	8494	[2648, 11242]	11851	[12946, 12947]
1781	[3165, 3099]	5138	[7430, 5943]	8495	[11243, 11244]	11852	[12315, 12517]
1782	[3166, 3167]	5139	[7672, 940]	8496	[6014, 11245]	11853	[12832, 5597]
1783	[3168, 539]	5140	[7673, 6512]	8497	[11246, 2308]	11854	[12948, 10456]
1784	[3169, 3170]	5141	[6139, 7674]	8498	[11247, 11248]	11855	[12587, 12949]
1785	[3171, 3172]	5142	[7675, 2683]	8499	[11203, 11249]	11856	[12807, 12950]
1786	[3173, 3174]	5143	[7676, 1882]	8500	[11250, 11251]	11857	[10356, 12523]
1787	[3175, 3176]	5144	[7677, 7678]	8501	[11252, 11253]	11858	[5622, 8490]
1788	[3177, 3178]	5145	[7679, 7680]	8502	[11254, 6992]	11859	[12951, 3353]
1789	[3179, 3180]	5146	[5893, 7681]	8503	[11255, 7224]	11860	[12952, 4420]
1790	[3181, 3182]	5147	[796, 6161]	8504	[11256, 3143]	11861	[3324, 4412]
1791	[3183, 3184]	5148	[2678, 7682]	8505	[2383, 11235]	11862	[9913, 10495]
1792	[2565, 2206]	5149	[7683, 7684]	8506	[11257, 5767]	11863	[1603, 4895]
1793	[868, 3185]	5150	[6868, 7685]	8507	[7157, 11258]	11864	[12953, 10139]
1794	[2836, 3074]	5151	[6956, 2248]	8508	[6988, 11259]	11865	[12954, 10716]
1795	[3186, 3187]	5152	[7686, 5972]	8509	[11260, 11261]	11866	[9549, 12955]
1796	[3188, 3189]	5153	[7687, 6898]	8510	[11262, 2534]	11867	[9474, 12956]
1797	[3190, 3191]	5154	[6223, 7688]	8511	[11263, 11249]	11868	[1315, 12957]
1798	[3192, 3193]	5155	[6572, 2105]	8512	[11264, 2244]	11869	[3829, 10298]
1799	[3194, 2433]	5156	[684, 140]	8513	[7428, 946]	11870	[12643, 4477]
1800	[3195, 3196]	5157	[7062, 7689]	8514	[11265, 2613]	11871	[9030, 5524]
1801	[10, 3197]	5158	[6869, 7690]	8515	[11266, 6860]	11872	[10125, 10043]
1802	[3171, 3198]	5159	[6938, 7093]	8516	[11267, 11268]	11873	[5579, 10160]

1803	[3199, 1996]	5160	[7691, 931]	8517	[878, 11269]	11874	[12958, 12959]
1804	[3200, 3201]	5161	[7692, 7693]	8518	[8021, 11270]	11875	[12960, 4058]
1805	[3202, 3203]	5162	[7694, 6578]	8519	[208, 3221]	11876	[12961, 12962]
1806	[3204, 3205]	5163	[7695, 7696]	8520	[6147, 2908]	11877	[10867, 12461]
1807	[3206, 504]	5164	[7697, 7698]	8521	[7570, 6292]	11878	[12963, 5007]
1808	[3207, 931]	5165	[7699, 6060]	8522	[11271, 11218]	11879	[12964, 8498]
1809	[200, 3208]	5166	[740, 7700]	8523	[11017, 515]	11880	[9522, 12965]
1810	[966, 3209]	5167	[7701, 7702]	8524	[11272, 11273]	11881	[10536, 12966]
1811	[3210, 3211]	5168	[7555, 6988]	8525	[6288, 11274]	11882	[12725, 10052]
1812	[3212, 3213]	5169	[2113, 7703]	8526	[161, 11275]	11883	[8528, 8746]
1813	[3214, 3215]	5170	[7704, 7705]	8527	[11276, 6445]	11884	[10462, 12967]
1814	[3216, 3217]	5171	[7706, 885]	8528	[2645, 11277]	11885	[1675, 12968]
1815	[3218, 3219]	5172	[7707, 7708]	8529	[11103, 11278]	11886	[1667, 10792]
1816	[212, 3220]	5173	[7709, 7710]	8530	[6547, 6297]	11887	[1653, 4398]
1817	[2501, 3221]	5174	[7711, 6408]	8531	[7011, 7523]	11888	[1283, 12969]
1818	[2698, 2642]	5175	[7712, 7713]	8532	[6300, 6684]	11889	[4046, 10796]
1819	[3222, 3223]	5176	[7648, 6218]	8533	[11279, 11280]	11890	[12970, 1341]
1820	[3224, 3225]	5177	[6089, 7163]	8534	[6605, 547]	11891	[12971, 9518]
1821	[3121, 3226]	5178	[571, 7714]	8535	[5884, 11281]	11892	[4731, 5160]
1822	[3227, 3228]	5179	[7303, 874]	8536	[11058, 599]	11893	[1137, 12664]
1823	[3229, 3230]	5180	[7715, 2481]	8537	[11282, 11283]	11894	[4119, 3871]
1824	[3231, 3232]	5181	[7716, 2740]	8538	[2589, 6702]	11895	[4369, 1280]
1825	[3233, 2635]	5182	[7717, 2109]	8539	[2634, 11284]	11896	[12972, 5005]
1826	[2509, 3234]	5183	[7718, 7577]	8540	[6317, 7412]	11897	[10334, 10045]
1827	[3235, 211]	5184	[7167, 7719]	8541	[11285, 11286]	11898	[1635, 12578]
1828	[1908, 2568]	5185	[7720, 7604]	8542	[11287, 2088]	11899	[12973, 1729]
1829	[3124, 2340]	5186	[7721, 7722]	8543	[2336, 11288]	11900	[8962, 12974]
1830	[2050, 3236]	5187	[7723, 7724]	8544	[11289, 11290]	11901	[1200, 8554]
1831	[3237, 3238]	5188	[7725, 7726]	8545	[11291, 6591]	11902	[1496, 12975]
1832	[3239, 2991]	5189	[7727, 7551]	8546	[8041, 11292]	11903	[10064, 12976]
1833	[3240, 749]	5190	[2320, 7628]	8547	[5900, 7959]	11904	[9603, 4569]
1834	[3241, 832]	5191	[7728, 7729]	8548	[6724, 2161]	11905	[12791, 8714]
1835	[3242, 3243]	5192	[6954, 824]	8549	[7584, 6596]	11906	[12977, 3501]
1836	[1874, 3244]	5193	[7730, 651]	8550	[7522, 2442]	11907	[12314, 4981]
1837	[3245, 3028]	5194	[3277, 7731]	8551	[11293, 6683]	11908	[9692, 12964]
1838	[3246, 3247]	5195	[7732, 6406]	8552	[1915, 753]	11909	[12978, 12979]
1839	[3248, 3249]	5196	[6897, 7733]	8553	[5914, 11294]	11910	[12980, 12981]
1840	[862, 3250]	5197	[7734, 2835]	8554	[172, 6190]	11911	[8902, 12982]
1841	[3251, 959]	5198	[839, 7735]	8555	[2688, 11116]	11912	[12983, 12984]
1842	[3252, 3253]	5199	[2812, 7736]	8556	[574, 11295]	11913	[9621, 10736]
1843	[3254, 3255]	5200	[7644, 5904]	8557	[11296, 6169]	11914	[12985, 4760]
1844	[3256, 2272]	5201	[7737, 210]	8558	[186, 7341]	11915	[10547, 4923]
1845	[2041, 2625]	5202	[7738, 5794]	8559	[559, 6015]	11916	[3721, 5514]
1846	[3257, 3258]	5203	[7739, 6623]	8560	[7670, 6368]	11917	[12986, 4375]

1847	[3259, 3260]	5204	[681, 7740]	8561	[11297, 1975]	11918	[12987, 12988]
1848	[3261, 917]	5205	[7741, 2198]	8562	[244, 5830]	11919	[10364, 12989]
1849	[3262, 951]	5206	[6945, 2909]	8563	[11298, 7969]	11920	[5284, 12464]
1850	[3263, 3264]	5207	[3257, 6277]	8564	[11299, 11300]	11921	[10000, 12990]
1851	[3265, 3266]	5208	[2547, 5815]	8565	[8075, 7975]	11922	[12991, 1698]
1852	[3267, 3268]	5209	[7188, 2078]	8566	[7589, 2788]	11923	[8506, 12992]
1853	[3269, 214]	5210	[6411, 944]	8567	[3186, 11301]	11924	[12993, 12280]
1854	[557, 1982]	5211	[3196, 2768]	8568	[11302, 7007]	11925	[12994, 5412]
1855	[2473, 3270]	5212	[7742, 7743]	8569	[6519, 7335]	11926	[4687, 12719]
1856	[3271, 3272]	5213	[5812, 6093]	8570	[11303, 11304]	11927	[3605, 9079]
1857	[2392, 3273]	5214	[2156, 7744]	8571	[7111, 11305]	11928	[12995, 4658]
1858	[3274, 1959]	5215	[7171, 7210]	8572	[7672, 2313]	11929	[12815, 9318]
1859	[3275, 3276]	5216	[7088, 7745]	8573	[2272, 7297]	11930	[3563, 1106]
1860	[3277, 3278]	5217	[2863, 881]	8574	[7044, 11306]	11931	[1208, 3799]
1861	[3279, 3280]	5218	[598, 7746]	8575	[7620, 2257]	11932	[4476, 12730]
1862	[3281, 2641]	5219	[7747, 7748]	8576	[5723, 6176]	11933	[10511, 4780]
1863	[2601, 2648]	5220	[7388, 6979]	8577	[6227, 11307]	11934	[1075, 10659]
1864	[3282, 3283]	5221	[928, 6594]	8578	[5754, 11308]	11935	[427, 3518]
1865	[3284, 3285]	5222	[2612, 7749]	8579	[665, 11309]	11936	[12996, 12997]
1866	[3286, 3287]	5223	[6758, 2360]	8580	[11310, 7758]	11937	[4179, 8386]
1867	[3288, 3289]	5224	[5788, 6020]	8581	[7807, 11023]	11938	[12998, 10855]
1868	[3290, 3291]	5225	[1890, 2556]	8582	[7325, 2390]	11939	[12999, 8857]
1869	[3292, 3293]	5226	[922, 7750]	8583	[7498, 6283]	11940	[9953, 4014]
1870	[1279, 3294]	5227	[2488, 7469]	8584	[2043, 7854]	11941	[9777, 13000]
1871	[3295, 495]	5228	[3241, 7751]	8585	[7595, 11311]	11942	[13001, 13002]
1872	[3296, 3297]	5229	[7752, 7301]	8586	[3035, 11309]	11943	[10392, 13003]
1873	[3298, 3299]	5230	[7753, 7208]	8587	[7846, 11312]	11944	[4266, 12264]
1874	[3300, 3301]	5231	[2225, 3078]	8588	[7706, 2762]	11945	[5505, 13004]
1875	[1356, 3302]	5232	[610, 7309]	8589	[11313, 2335]	11946	[12400, 3594]
1876	[3303, 3304]	5233	[729, 6374]	8590	[5763, 2822]	11947	[10307, 13005]
1877	[3305, 3306]	5234	[6506, 6371]	8591	[11079, 11314]	11948	[1797, 3478]
1878	[3307, 3308]	5235	[7309, 2997]	8592	[789, 7170]	11949	[13006, 13007]
1879	[3309, 3310]	5236	[877, 876]	8593	[47, 3196]	11950	[13008, 12675]
1880	[3311, 3312]	5237	[6508, 6374]	8594	[912, 2681]	11951	[13009, 13010]
1881	[3313, 3314]	5238	[7754, 6507]	8595	[3261, 6523]	11952	[10804, 12689]
1882	[3315, 3316]	5239	[7380, 2099]	8596	[6405, 11315]	11953	[1727, 13011]
1883	[3317, 3318]	5240	[7755, 7756]	8597	[11316, 6739]	11954	[4904, 1839]
1884	[3319, 3320]	5241	[7757, 7758]	8598	[11317, 11275]	11955	[10572, 10198]
1885	[3321, 3322]	5242	[7582, 6042]	8599	[11094, 11318]	11956	[10522, 10485]
1886	[3323, 3324]	5243	[945, 7429]	8600	[165, 7443]	11957	[13012, 13013]
1887	[3325, 3326]	5244	[7759, 7760]	8601	[6943, 3146]	11958	[1725, 12779]
1888	[3327, 3328]	5245	[565, 2981]	8602	[2637, 11319]	11959	[10519, 13014]
1889	[1381, 3329]	5246	[7761, 2309]	8603	[7110, 936]	11960	[9072, 12826]
1890	[3330, 3331]	5247	[2261, 7762]	8604	[6294, 11320]	11961	[4545, 13015]

1891	[1117, 3332]	5248	[7763, 5805]	8605	[6786, 11106]	11962	[13016, 4199]
1892	[3333, 3334]	5249	[2316, 7566]	8606	[8073, 2041]	11963	[13017, 13018]
1893	[3335, 3336]	5250	[6833, 7764]	8607	[2981, 8046]	11964	[9878, 8263]
1894	[3337, 3338]	5251	[7632, 2735]	8608	[11321, 11322]	11965	[4679, 4568]
1895	[3339, 3340]	5252	[5996, 2752]	8609	[7242, 7663]	11966	[13019, 13020]
1896	[3341, 3342]	5253	[7765, 6231]	8610	[6052, 3168]	11967	[8727, 13021]
1897	[3343, 3344]	5254	[7766, 3027]	8611	[6993, 6555]	11968	[10717, 9355]
1898	[3345, 3346]	5255	[7767, 6718]	8612	[2374, 1999]	11969	[13022, 12780]
1899	[3347, 3348]	5256	[7466, 7768]	8613	[6557, 6029]	11970	[13023, 398]
1900	[3349, 3350]	5257	[6678, 7769]	8614	[11323, 6804]	11971	[13024, 13025]
1901	[3351, 3352]	5258	[1885, 1958]	8615	[11324, 6579]	11972	[277, 5110]
1902	[3353, 3354]	5259	[7770, 7771]	8616	[2835, 11325]	11973	[10655, 12561]
1903	[3355, 3356]	5260	[7772, 3158]	8617	[11326, 6638]	11974	[13026, 4736]
1904	[3357, 3358]	5261	[730, 7661]	8618	[6282, 7499]	11975	[3679, 3819]
1905	[3359, 3360]	5262	[7030, 6214]	8619	[6745, 6136]	11976	[13027, 13028]
1906	[3361, 3362]	5263	[7170, 6576]	8620	[6020, 11327]	11977	[12844, 1760]
1907	[3363, 3364]	5264	[3238, 2210]	8621	[11328, 7811]	11978	[13029, 9873]
1908	[3365, 3366]	5265	[7537, 7626]	8622	[11329, 7465]	11979	[9450, 12785]
1909	[3367, 3368]	5266	[7773, 7774]	8623	[11330, 11331]	11980	[4585, 430]
1910	[3369, 3370]	5267	[7775, 5989]	8624	[11332, 3050]	11981	[13030, 10844]
1911	[3371, 3372]	5268	[7776, 5709]	8625	[7865, 1927]	11982	[10144, 4638]
1912	[3373, 3374]	5269	[6381, 7777]	8626	[7791, 7494]	11983	[3773, 8989]
1913	[3375, 3376]	5270	[7778, 7779]	8627	[3250, 11333]	11984	[13031, 13032]
1914	[3377, 1402]	5271	[2719, 5985]	8628	[11334, 11335]	11985	[10096, 13033]
1915	[3378, 3379]	5272	[3128, 7780]	8629	[11329, 3038]	11986	[10071, 10347]
1916	[3380, 3381]	5273	[717, 7781]	8630	[11336, 6203]	11987	[5085, 12882]
1917	[3382, 3383]	5274	[7451, 907]	8631	[11337, 2644]	11988	[13034, 13035]
1918	[3384, 3385]	5275	[7782, 7783]	8632	[6446, 8036]	11989	[13036, 13037]
1919	[3386, 3387]	5276	[6746, 7784]	8633	[11338, 11339]	11990	[12601, 12453]
1920	[3388, 3389]	5277	[7785, 7786]	8634	[11340, 8083]	11991	[13038, 10469]
1921	[1821, 3390]	5278	[7787, 761]	8635	[2016, 3066]	11992	[13039, 10563]
1922	[1344, 3391]	5279	[6741, 6342]	8636	[11341, 6284]	11993	[13040, 1551]
1923	[3392, 3393]	5280	[7788, 6175]	8637	[5938, 3094]	11994	[13041, 13042]
1924	[3394, 3395]	5281	[7789, 7790]	8638	[11342, 11343]	11995	[12271, 8107]
1925	[3396, 3397]	5282	[7791, 7792]	8639	[7895, 2251]	11996	[12959, 13043]
1926	[3398, 3399]	5283	[1886, 6430]	8640	[2405, 6747]	11997	[10729, 10526]
1927	[3400, 3401]	5284	[7793, 2638]	8641	[7824, 11344]	11998	[12358, 13044]
1928	[3402, 3403]	5285	[2101, 7794]	8642	[7506, 7470]	11999	[4831, 12428]
1929	[3404, 986]	5286	[3025, 2233]	8643	[6444, 11345]	12000	[12581, 9308]
1930	[1767, 3405]	5287	[7795, 7076]	8644	[7153, 7187]	12001	[10509, 4631]
1931	[3406, 3407]	5288	[7205, 7796]	8645	[2497, 11346]	12002	[10880, 8941]
1932	[3408, 1195]	5289	[2997, 3000]	8646	[2879, 11347]	12003	[12242, 10296]
1933	[3409, 3410]	5290	[2422, 7797]	8647	[11196, 7679]	12004	[8416, 13045]
1934	[3411, 3412]	5291	[215, 7798]	8648	[7931, 916]	12005	[13046, 4823]

1935	[3413, 3414]	5292	[7799, 7800]	8649	[7461, 11189]	12006	[1226, 13047]
1936	[3415, 3333]	5293	[7801, 7802]	8650	[7411, 6729]	12007	[10332, 4351]
1937	[3416, 3417]	5294	[7129, 7052]	8651	[7403, 2567]	12008	[5419, 10504]
1938	[3418, 3419]	5295	[7803, 7804]	8652	[6318, 11348]	12009	[9591, 10212]
1939	[3420, 1845]	5296	[7805, 2221]	8653	[521, 11349]	12010	[13048, 13048]
1940	[3421, 3422]	5297	[7257, 7806]	8654	[552, 6795]	12011	[3707, 12546]
1941	[3423, 3424]	5298	[7807, 849]	8655	[11350, 11351]	12012	[13049, 13050]
1942	[3425, 3426]	5299	[2401, 7808]	8656	[2549, 207]	12013	[9192, 13051]
1943	[3427, 3428]	5300	[2697, 2641]	8657	[6717, 1985]	12014	[9194, 9526]
1944	[3429, 3430]	5301	[7298, 7540]	8658	[11352, 535]	12015	[12408, 12339]
1945	[3431, 3432]	5302	[7809, 6377]	8659	[1918, 2818]	12016	[13052, 13053]
1946	[3433, 3434]	5303	[7810, 2236]	8660	[11353, 11354]	12017	[13054, 13055]
1947	[371, 3435]	5304	[7811, 6833]	8661	[11355, 2840]	12018	[10846, 13056]
1948	[3436, 3437]	5305	[7812, 6953]	8662	[5897, 2091]	12019	[10055, 12713]
1949	[3438, 3439]	5306	[6443, 7813]	8663	[6968, 7377]	12020	[1816, 9820]
1950	[3440, 3441]	5307	[7573, 6235]	8664	[6738, 6728]	12021	[9172, 12690]
1951	[3442, 3443]	5308	[7665, 7814]	8665	[11356, 7649]	12022	[13057, 12977]
1952	[269, 3444]	5309	[7815, 7816]	8666	[6262, 213]	12023	[9866, 13058]
1953	[3445, 3446]	5310	[7817, 7818]	8667	[7485, 131]	12024	[13059, 12939]
1954	[3447, 3448]	5311	[6571, 130]	8668	[11274, 6166]	12025	[13060, 13061]
1955	[3449, 3450]	5312	[7673, 7819]	8669	[11357, 11358]	12026	[13062, 4246]
1956	[3451, 3452]	5313	[6908, 6369]	8670	[11359, 2502]	12027	[10959, 1178]
1957	[3453, 3454]	5314	[7820, 2853]	8671	[11360, 2601]	12028	[10318, 10728]
1958	[3455, 3456]	5315	[7821, 7822]	8672	[3205, 6270]	12029	[3536, 10217]
1959	[3457, 3458]	5316	[7823, 7824]	8673	[7647, 6185]	12030	[10560, 13063]
1960	[3459, 3460]	5317	[7825, 2796]	8674	[8068, 11347]	12031	[4790, 3964]
1961	[3461, 3462]	5318	[7826, 2082]	8675	[11361, 7652]	12032	[12443, 4827]
1962	[3463, 3464]	5319	[7827, 2114]	8676	[7436, 7945]	12033	[5466, 12761]
1963	[3465, 3466]	5320	[5770, 718]	8677	[7161, 11290]	12034	[8222, 13064]
1964	[1143, 3467]	5321	[2249, 5979]	8678	[11131, 7953]	12035	[13065, 3737]
1965	[3468, 3469]	5322	[7828, 5904]	8679	[2274, 2729]	12036	[5425, 10831]
1966	[3470, 3471]	5323	[2032, 6489]	8680	[11362, 11363]	12037	[13066, 13067]
1967	[3472, 3473]	5324	[6656, 6569]	8681	[2203, 7841]	12038	[13068, 5661]
1968	[3474, 3475]	5325	[7829, 6151]	8682	[11364, 5990]	12039	[4154, 12706]
1969	[3476, 499]	5326	[7830, 7831]	8683	[11365, 6515]	12040	[12411, 10807]
1970	[3477, 1274]	5327	[7832, 5792]	8684	[6187, 6570]	12041	[8463, 8917]
1971	[3478, 3479]	5328	[5898, 7833]	8685	[2387, 686]	12042	[13069, 4488]
1972	[3480, 3481]	5329	[3265, 2365]	8686	[11366, 7448]	12043	[1659, 4459]
1973	[3482, 444]	5330	[6455, 7834]	8687	[11367, 7467]	12044	[9164, 12668]
1974	[3483, 3484]	5331	[2986, 7835]	8688	[11368, 11369]	12045	[10774, 12870]
1975	[3485, 3486]	5332	[7836, 7837]	8689	[11127, 2004]	12046	[1799, 13070]
1976	[3487, 3488]	5333	[7838, 779]	8690	[6688, 6410]	12047	[12707, 13071]
1977	[3489, 3490]	5334	[681, 7839]	8691	[2977, 11370]	12048	[12705, 3665]
1978	[3491, 3492]	5335	[7704, 36]	8692	[6623, 11371]	12049	[9351, 13072]

1979	[3493, 3494]	5336	[7840, 5845]	8693	[11372, 7332]	12050	[9216, 13073]
1980	[3495, 3496]	5337	[7361, 547]	8694	[834, 11373]	12051	[13005, 13074]
1981	[3497, 3498]	5338	[6148, 7841]	8695	[7038, 152]	12052	[13075, 13076]
1982	[3499, 3500]	5339	[7645, 7842]	8696	[2998, 6375]	12053	[12595, 4553]
1983	[3501, 3502]	5340	[7843, 2543]	8697	[7659, 2629]	12054	[3488, 4838]
1984	[3503, 3384]	5341	[2718, 7844]	8698	[8084, 11374]	12055	[9354, 5297]
1985	[3504, 3505]	5342	[7845, 7846]	8699	[6166, 11375]	12056	[13077, 10689]
1986	[3506, 3507]	5343	[7789, 2819]	8700	[7596, 11376]	12057	[1536, 13078]
1987	[3508, 3509]	5344	[7847, 785]	8701	[6245, 7567]	12058	[13079, 10585]
1988	[3510, 3511]	5345	[7848, 6785]	8702	[3270, 6894]	12059	[13080, 10523]
1989	[3512, 3513]	5346	[7849, 7850]	8703	[2973, 6390]	12060	[13081, 11002]
1990	[1232, 3514]	5347	[7851, 7852]	8704	[6539, 11142]	12061	[13082, 13083]
1991	[3515, 3431]	5348	[6138, 5780]	8705	[7455, 11283]	12062	[13084, 12329]
1992	[3516, 3517]	5349	[7853, 7811]	8706	[2766, 11377]	12063	[1013, 12738]
1993	[3518, 3519]	5350	[5992, 7854]	8707	[5976, 11378]	12064	[4935, 4673]
1994	[3520, 1854]	5351	[651, 5774]	8708	[2290, 7358]	12065	[1426, 8232]
1995	[3521, 3522]	5352	[7855, 732]	8709	[2709, 7075]	12066	[488, 13085]
1996	[3523, 3524]	5353	[7856, 7857]	8710	[11379, 7526]	12067	[13086, 13087]
1997	[3525, 3526]	5354	[7858, 243]	8711	[676, 2836]	12068	[13088, 12840]
1998	[72, 3527]	5355	[1973, 2566]	8712	[2263, 2343]	12069	[13089, 13090]
1999	[3528, 3529]	5356	[7859, 7654]	8713	[11380, 2278]	12070	[12875, 8566]
2000	[3530, 3531]	5357	[7860, 7861]	8714	[7040, 2670]	12071	[13091, 13092]
2001	[1710, 3532]	5358	[7862, 5830]	8715	[11112, 6832]	12072	[1444, 13093]
2002	[3533, 3534]	5359	[7863, 2893]	8716	[5806, 3248]	12073	[5244, 10452]
2003	[3535, 3536]	5360	[812, 7864]	8717	[7890, 11381]	12074	[13094, 4812]
2004	[3537, 3538]	5361	[7865, 6598]	8718	[2585, 11230]	12075	[1617, 13095]
2005	[3539, 3540]	5362	[7846, 7866]	8719	[2207, 716]	12076	[9629, 13054]
2006	[3450, 3541]	5363	[34, 6178]	8720	[2199, 2597]	12077	[5457, 8403]
2007	[3542, 3543]	5364	[7179, 7056]	8721	[11382, 3175]	12078	[1625, 10688]
2008	[3544, 3545]	5365	[3029, 7805]	8722	[2883, 7706]	12079	[13096, 13097]
2009	[3546, 3547]	5366	[3158, 894]	8723	[2776, 7931]	12080	[13098, 13099]
2010	[3548, 3549]	5367	[7754, 6373]	8724	[3020, 11257]	12081	[3469, 8346]
2011	[484, 3550]	5368	[3077, 2602]	8725	[186, 7057]	12082	[10214, 10668]
2012	[3551, 3552]	5369	[3159, 7772]	8726	[7634, 11100]	12083	[5613, 13100]
2013	[3553, 3554]	5370	[2604, 3081]	8727	[11356, 11247]	12084	[12432, 12904]
2014	[3555, 3556]	5371	[7077, 2158]	8728	[5932, 6584]	12085	[466, 13041]
2015	[3557, 3558]	5372	[7867, 7868]	8729	[2502, 2447]	12086	[10027, 5093]
2016	[3559, 3560]	5373	[6914, 2720]	8730	[8026, 11383]	12087	[13101, 12492]
2017	[3561, 3562]	5374	[684, 3009]	8731	[5880, 6744]	12088	[3838, 5390]
2018	[1056, 3563]	5375	[1992, 2269]	8732	[670, 11307]	12089	[13102, 440]
2019	[3564, 3565]	5376	[2209, 2317]	8733	[11299, 11384]	12090	[10232, 13103]
2020	[1476, 3566]	5377	[7451, 6499]	8734	[6449, 7618]	12091	[1147, 13104]
2021	[3567, 3568]	5378	[2080, 6921]	8735	[2476, 5819]	12092	[10596, 12407]
2022	[3569, 3570]	5379	[7869, 6949]	8736	[6057, 7307]	12093	[9211, 10529]

2023	[1546, 3571]	5380	[6039, 7870]	8737	[11385, 8097]	12094	[12676, 10849]
2024	[3572, 3573]	5381	[2500, 7871]	8738	[11386, 2730]	12095	[12920, 13105]
2025	[3574, 3575]	5382	[6660, 7872]	8739	[6562, 7955]	12096	[13106, 9372]
2026	[3576, 3577]	5383	[3139, 7873]	8740	[2678, 2341]	12097	[12488, 13107]
2027	[3578, 3579]	5384	[7874, 7875]	8741	[11387, 6937]	12098	[4133, 13108]
2028	[3580, 3581]	5385	[224, 7607]	8742	[7831, 141]	12099	[8168, 10970]
2029	[3582, 3583]	5386	[7723, 6984]	8743	[152, 5809]	12100	[10092, 10115]
2030	[3584, 3585]	5387	[592, 7876]	8744	[7115, 11388]	12101	[12304, 107]
2031	[3586, 3587]	5388	[6087, 2525]	8745	[11389, 7622]	12102	[13109, 10157]
2032	[3588, 3589]	5389	[3046, 2846]	8746	[11390, 11391]	12103	[9052, 9952]
2033	[3590, 3591]	5390	[7877, 2588]	8747	[11392, 721]	12104	[12990, 3883]
2034	[3592, 3593]	5391	[7612, 2004]	8748	[11393, 2928]	12105	[13110, 4248]
2035	[3594, 3595]	5392	[7878, 7879]	8749	[11394, 11395]	12106	[13111, 10009]
2036	[3596, 3597]	5393	[7880, 7881]	8750	[11234, 2384]	12107	[5410, 13112]
2037	[3598, 3599]	5394	[2350, 6120]	8751	[7055, 11396]	12108	[3437, 13113]
2038	[3600, 1735]	5395	[7643, 7882]	8752	[7303, 6674]	12109	[405, 3972]
2039	[3601, 3602]	5396	[7883, 7204]	8753	[6842, 7490]	12110	[10665, 10225]
2040	[1237, 3603]	5397	[2710, 7884]	8754	[2064, 667]	12111	[13114, 5047]
2041	[3604, 3605]	5398	[7885, 2565]	8755	[11397, 11398]	12112	[13115, 10829]
2042	[3606, 3607]	5399	[7770, 7886]	8756	[7639, 7711]	12113	[4905, 8781]
2043	[3608, 3609]	5400	[2746, 2263]	8757	[11326, 8093]	12114	[4226, 10405]
2044	[3610, 3611]	5401	[7039, 2669]	8758	[2579, 11399]	12115	[13116, 13117]
2045	[3612, 3613]	5402	[7776, 7887]	8759	[7088, 2992]	12116	[1708, 3833]
2046	[3614, 3615]	5403	[2062, 7888]	8760	[2450, 6966]	12117	[8712, 4912]
2047	[1576, 3616]	5404	[7889, 7166]	8761	[6808, 11400]	12118	[3840, 1626]
2048	[3617, 3618]	5405	[7890, 7600]	8762	[11401, 11402]	12119	[10924, 1741]
2049	[1859, 3619]	5406	[7891, 7892]	8763	[3015, 11083]	12120	[13118, 10493]
2050	[3620, 3621]	5407	[7893, 7894]	8764	[11403, 521]	12121	[13119, 12529]
2051	[3622, 3623]	5408	[7895, 2402]	8765	[11404, 6230]	12122	[13120, 13121]
2052	[3624, 3625]	5409	[6647, 6079]	8766	[6482, 11229]	12123	[12296, 4120]
2053	[1275, 3626]	5410	[7036, 6328]	8767	[11405, 7434]	12124	[13122, 9778]
2054	[3627, 3628]	5411	[151, 5808]	8768	[11406, 11228]	12125	[9371, 3726]
2055	[3629, 3630]	5412	[587, 7896]	8769	[7813, 5859]	12126	[10931, 1753]
2056	[3631, 3632]	5413	[7073, 7897]	8770	[7289, 7185]	12127	[9727, 3706]
2057	[3633, 3634]	5414	[7218, 172]	8771	[6299, 2513]	12128	[13123, 9537]
2058	[3635, 3636]	5415	[2651, 5802]	8772	[8044, 2953]	12129	[10939, 13124]
2059	[3316, 3637]	5416	[817, 7898]	8773	[11407, 11408]	12130	[8792, 13125]
2060	[3638, 3639]	5417	[2406, 2068]	8774	[1909, 11409]	12131	[13126, 9745]
2061	[3640, 3641]	5418	[3195, 48]	8775	[11410, 11411]	12132	[13127, 5647]
2062	[3642, 3643]	5419	[7899, 3180]	8776	[3098, 7431]	12133	[1655, 8364]
2063	[3644, 3645]	5420	[5708, 7887]	8777	[6068, 7131]	12134	[1552, 13128]
2064	[3646, 3647]	5421	[7900, 164]	8778	[11412, 11413]	12135	[13105, 3810]
2065	[3648, 3649]	5422	[7901, 2019]	8779	[7541, 2656]	12136	[10764, 12410]
2066	[3650, 3651]	5423	[790, 7902]	8780	[11414, 11415]	12137	[12398, 12355]

2067	[3652, 3653]	5424	[7903, 6448]	8781	[7591, 11416]	12138	[13129, 10179]
2068	[975, 3654]	5425	[7904, 7905]	8782	[8023, 11417]	12139	[12497, 13130]
2069	[3655, 3656]	5426	[7404, 176]	8783	[8062, 2305]	12140	[13131, 13132]
2070	[3657, 3658]	5427	[662, 2576]	8784	[11418, 6096]	12141	[12762, 10528]
2071	[3659, 3660]	5428	[3264, 7595]	8785	[6420, 11419]	12142	[9156, 1446]
2072	[409, 3661]	5429	[1943, 7906]	8786	[11420, 11421]	12143	[13133, 12657]
2073	[3662, 1638]	5430	[7408, 6416]	8787	[7921, 2950]	12144	[9043, 13134]
2074	[3663, 3664]	5431	[7539, 7299]	8788	[847, 11334]	12145	[10245, 13135]
2075	[3665, 3666]	5432	[7907, 7459]	8789	[11370, 7024]	12146	[13136, 10521]
2076	[375, 3667]	5433	[775, 7314]	8790	[11422, 11423]	12147	[12510, 5506]
2077	[3668, 3669]	5434	[7908, 679]	8791	[2701, 7009]	12148	[10991, 13137]
2078	[3670, 3671]	5435	[7909, 7910]	8792	[558, 2425]	12149	[13138, 3869]
2079	[3672, 3673]	5436	[6252, 7432]	8793	[11424, 11117]	12150	[12956, 4877]
2080	[3674, 3675]	5437	[7911, 7912]	8794	[3155, 11425]	12151	[8120, 8559]
2081	[3676, 3677]	5438	[805, 7336]	8795	[3237, 719]	12152	[13139, 8855]
2082	[3678, 3679]	5439	[6137, 2632]	8796	[7452, 2113]	12153	[3460, 10634]
2083	[3680, 3681]	5440	[7863, 6186]	8797	[6593, 7128]	12154	[10073, 8409]
2084	[3682, 3683]	5441	[7913, 7797]	8798	[11426, 35]	12155	[13140, 9546]
2085	[3684, 1770]	5442	[7914, 7915]	8799	[11427, 11428]	12156	[13141, 10078]
2086	[3685, 3686]	5443	[7916, 7917]	8800	[6518, 7834]	12157	[9336, 13142]
2087	[3687, 3688]	5444	[5711, 6775]	8801	[602, 11400]	12158	[4580, 4596]
2088	[3689, 3690]	5445	[6643, 2821]	8802	[6041, 11429]	12159	[4543, 8507]
2089	[3691, 3692]	5446	[7918, 6140]	8803	[2799, 882]	12160	[8933, 4819]
2090	[3693, 1140]	5447	[7919, 7920]	8804	[11430, 11431]	12161	[9074, 9750]
2091	[3694, 3695]	5448	[6259, 1948]	8805	[2610, 6025]	12162	[1107, 8863]
2092	[3696, 3697]	5449	[7921, 6905]	8806	[11432, 2377]	12163	[12367, 9492]
2093	[3698, 3699]	5450	[6503, 7922]	8807	[6319, 7370]	12164	[10346, 5630]
2094	[3700, 3701]	5451	[7391, 7923]	8808	[1949, 11433]	12165	[13032, 10738]
2095	[3702, 3703]	5452	[7520, 2284]	8809	[2224, 2603]	12166	[13033, 8696]
2096	[3704, 1072]	5453	[7104, 7924]	8810	[11434, 6159]	12167	[295, 8221]
2097	[985, 3705]	5454	[7925, 7926]	8811	[7282, 706]	12168	[9452, 13143]
2098	[3706, 3707]	5455	[6512, 6529]	8812	[2980, 566]	12169	[12576, 3680]
2099	[3708, 17]	5456	[7927, 7928]	8813	[6000, 11429]	12170	[13144, 12971]
2100	[3709, 3710]	5457	[7929, 7930]	8814	[6794, 11435]	12171	[4025, 4764]
2101	[3556, 3711]	5458	[3049, 7931]	8815	[7526, 11436]	12172	[8536, 4000]
2102	[3712, 3713]	5459	[6334, 7932]	8816	[5849, 11145]	12173	[12327, 5260]
2103	[3714, 3715]	5460	[6735, 3053]	8817	[5852, 11437]	12174	[5396, 13145]
2104	[3716, 3717]	5461	[7933, 6732]	8818	[11438, 3213]	12175	[10777, 5529]
2105	[1399, 3718]	5462	[7934, 7935]	8819	[11439, 6103]	12176	[10610, 8381]
2106	[1050, 3719]	5463	[5879, 7936]	8820	[2668, 11440]	12177	[5652, 5256]
2107	[3720, 3721]	5464	[7903, 7317]	8821	[6107, 11441]	12178	[1570, 4936]
2108	[3722, 3723]	5465	[7937, 7097]	8822	[2251, 2718]	12179	[10211, 3436]
2109	[3724, 3725]	5466	[6595, 7585]	8823	[6888, 11442]	12180	[9407, 13146]
2110	[3726, 362]	5467	[2950, 7938]	8824	[5897, 7128]	12181	[13147, 13148]

2111	[3727, 3728]	5468	[7939, 7940]	8825	[136, 11443]	12182	[8387, 5328]
2112	[3729, 3730]	5469	[7941, 7942]	8826	[6492, 7400]	12183	[3456, 9119]
2113	[3731, 3732]	5470	[700, 953]	8827	[5802, 11444]	12184	[10256, 12901]
2114	[3733, 3734]	5471	[6077, 861]	8828	[3018, 7546]	12185	[1663, 10137]
2115	[3735, 3736]	5472	[7943, 7944]	8829	[11445, 7387]	12186	[13149, 13150]
2116	[3737, 3738]	5473	[6543, 6337]	8830	[2616, 11324]	12187	[1417, 10789]
2117	[3739, 3740]	5474	[2624, 2042]	8831	[5683, 669]	12188	[10116, 12447]
2118	[3741, 3742]	5475	[7945, 7946]	8832	[11446, 11447]	12189	[3783, 4703]
2119	[3486, 3743]	5476	[7947, 7948]	8833	[11448, 11449]	12190	[13151, 13152]
2120	[3744, 3745]	5477	[1953, 6182]	8834	[6072, 6877]	12191	[13153, 13154]
2121	[3746, 1022]	5478	[7165, 7541]	8835	[605, 7152]	12192	[13155, 13156]
2122	[455, 3747]	5479	[2809, 7949]	8836	[11450, 5923]	12193	[9403, 8540]
2123	[3748, 3749]	5480	[3219, 7950]	8837	[2561, 844]	12194	[13157, 13158]
2124	[3750, 3751]	5481	[7951, 7952]	8838	[7918, 7674]	12195	[9113, 13084]
2125	[3752, 3753]	5482	[2742, 7953]	8839	[2726, 11419]	12196	[13159, 5291]
2126	[3754, 3755]	5483	[7954, 7955]	8840	[11451, 11452]	12197	[13160, 10868]
2127	[3285, 3756]	5484	[7777, 155]	8841	[6977, 6481]	12198	[4740, 4197]
2128	[3757, 3758]	5485	[7956, 7957]	8842	[2465, 11453]	12199	[4271, 4852]
2129	[3759, 3760]	5486	[7958, 7959]	8843	[11454, 11221]	12200	[4378, 9019]
2130	[3730, 3761]	5487	[7960, 7961]	8844	[11455, 11456]	12201	[4557, 13161]
2131	[3762, 3763]	5488	[7962, 7176]	8845	[5968, 7701]	12202	[3532, 10188]
2132	[3764, 3765]	5489	[6913, 7485]	8846	[11457, 2374]	12203	[1537, 9260]
2133	[3766, 3767]	5490	[7963, 7167]	8847	[11458, 6053]	12204	[13162, 3748]
2134	[3768, 3769]	5491	[6821, 6388]	8848	[11459, 7592]	12205	[13163, 12459]
2135	[3770, 3771]	5492	[7964, 2828]	8849	[6073, 11460]	12206	[10484, 13023]
2136	[3772, 3773]	5493	[7965, 7966]	8850	[6302, 5940]	12207	[4478, 12710]
2137	[3774, 3775]	5494	[7967, 7735]	8851	[3090, 8082]	12208	[10911, 13164]
2138	[3776, 3777]	5495	[7968, 7969]	8852	[2623, 7193]	12209	[9449, 12833]
2139	[3778, 3779]	5496	[843, 2562]	8853	[957, 11090]	12210	[8875, 8778]
2140	[3780, 3781]	5497	[3076, 6376]	8854	[6495, 11354]	12211	[4626, 9708]
2141	[3782, 3783]	5498	[3079, 7754]	8855	[7367, 2913]	12212	[5501, 4370]
2142	[3784, 1412]	5499	[7970, 7971]	8856	[11074, 5917]	12213	[9225, 9374]
2143	[3785, 3786]	5500	[7785, 2377]	8857	[11068, 11461]	12214	[5222, 9845]
2144	[3787, 3788]	5501	[2380, 584]	8858	[7459, 2785]	12215	[5296, 12737]
2145	[3789, 3790]	5502	[5756, 6505]	8859	[11462, 2262]	12216	[10947, 12921]
2146	[3791, 3480]	5503	[234, 6749]	8860	[7649, 11248]	12217	[13165, 10276]
2147	[3792, 3793]	5504	[7509, 619]	8861	[7437, 6559]	12218	[13166, 13167]
2148	[3794, 3795]	5505	[2667, 7972]	8862	[5725, 2617]	12219	[12485, 10539]
2149	[3796, 3453]	5506	[7973, 7974]	8863	[2458, 170]	12220	[4183, 10478]
2150	[3797, 3798]	5507	[7354, 7975]	8864	[7538, 6420]	12221	[265, 8936]
2151	[3799, 1766]	5508	[7976, 3090]	8865	[11379, 11463]	12222	[13168, 13169]
2152	[3800, 3801]	5509	[2357, 2852]	8866	[48, 810]	12223	[10865, 9871]
2153	[3802, 3803]	5510	[6862, 7977]	8867	[7214, 11238]	12224	[13170, 13171]
2154	[24, 3804]	5511	[7622, 1960]	8868	[6581, 7234]	12225	[13172, 13173]

2155	[3805, 3806]	5512	[7978, 552]	8869	[11304, 11464]	12226	[13174, 12532]
2156	[3807, 1042]	5513	[6367, 7979]	8870	[2598, 7169]	12227	[13175, 12999]
2157	[3808, 3809]	5514	[7980, 7981]	8871	[11465, 6310]	12228	[9018, 10448]
2158	[3810, 3811]	5515	[7353, 7982]	8872	[7414, 7767]	12229	[13176, 1205]
2159	[3812, 3813]	5516	[7237, 7983]	8873	[2066, 2640]	12230	[13177, 13178]
2160	[3814, 3815]	5517	[5920, 7984]	8874	[42, 6679]	12231	[13179, 3805]
2161	[1716, 3816]	5518	[7985, 6834]	8875	[11317, 162]	12232	[3407, 3923]
2162	[3817, 3818]	5519	[7986, 5686]	8876	[6955, 5906]	12233	[13180, 12972]
2163	[3819, 3820]	5520	[2332, 7987]	8877	[7360, 6605]	12234	[12553, 284]
2164	[1580, 3821]	5521	[2769, 7988]	8878	[8093, 11466]	12235	[8779, 9642]
2165	[3822, 3823]	5522	[2917, 2567]	8879	[11467, 7138]	12236	[13130, 5651]
2166	[3824, 3825]	5523	[892, 7002]	8880	[11096, 11306]	12237	[13181, 9327]
2167	[3826, 3827]	5524	[6281, 6466]	8881	[11139, 6149]	12238	[13011, 13182]
2168	[3828, 3829]	5525	[7989, 6939]	8882	[2081, 6398]	12239	[13183, 13184]
2169	[3599, 3830]	5526	[45, 7990]	8883	[783, 7982]	12240	[13185, 3100]
2170	[3831, 3832]	5527	[7315, 6381]	8884	[874, 7489]	12241	[7528, 11779]
2171	[3833, 3834]	5528	[6353, 7345]	8885	[11468, 7944]	12242	[623, 6797]
2172	[3835, 3836]	5529	[7686, 7991]	8886	[6055, 3185]	12243	[8083, 6350]
2173	[3837, 3838]	5530	[6213, 5753]	8887	[169, 2459]	12244	[2382, 12105]
2174	[3839, 3840]	5531	[2787, 7640]	8888	[2908, 11469]	12245	[13186, 13187]
2175	[3841, 1396]	5532	[5759, 6872]	8889	[11470, 2182]	12246	[12229, 11565]
2176	[3842, 3843]	5533	[6587, 7020]	8890	[11471, 11173]	12247	[8007, 11570]
2177	[3844, 3845]	5534	[7992, 773]	8891	[11472, 6476]	12248	[13188, 6644]
2178	[3846, 3847]	5535	[7993, 6768]	8892	[5762, 6309]	12249	[554, 11245]
2179	[1033, 3848]	5536	[7486, 7051]	8893	[11473, 709]	12250	[518, 13189]
2180	[3849, 3850]	5537	[7994, 7995]	8894	[11186, 11474]	12251	[12233, 11640]
2181	[3851, 3852]	5538	[7996, 2658]	8895	[5925, 11475]	12252	[11886, 11414]
2182	[1301, 3853]	5539	[6417, 2546]	8896	[11009, 2440]	12253	[11953, 2717]
2183	[3854, 3855]	5540	[7935, 7714]	8897	[2557, 11476]	12254	[2739, 5800]
2184	[3856, 3857]	5541	[7766, 3245]	8898	[7199, 11477]	12255	[12208, 7450]
2185	[3858, 3859]	5542	[6127, 6723]	8899	[1936, 935]	12256	[8046, 7842]
2186	[3860, 3861]	5543	[7909, 7997]	8900	[2025, 813]	12257	[7682, 6382]
2187	[3862, 3863]	5544	[7998, 7886]	8901	[11478, 6343]	12258	[2962, 13190]
2188	[3864, 3662]	5545	[7999, 7485]	8902	[6392, 7439]	12259	[12053, 7327]
2189	[3865, 3866]	5546	[8000, 8001]	8903	[11479, 11480]	12260	[2689, 2982]
2190	[3867, 3868]	5547	[8002, 8003]	8904	[7300, 11481]	12261	[11237, 6579]
2191	[3869, 3870]	5548	[7926, 545]	8905	[6708, 3219]	12262	[13191, 3157]
2192	[3871, 3872]	5549	[8004, 6212]	8906	[5932, 2027]	12263	[7618, 11749]
2193	[3873, 3874]	5550	[7252, 8005]	8907	[7749, 857]	12264	[6880, 11149]
2194	[3875, 3876]	5551	[869, 5861]	8908	[11482, 2647]	12265	[6881, 7782]
2195	[3877, 3878]	5552	[6905, 7938]	8909	[7595, 11483]	12266	[2280, 7767]
2196	[3879, 3880]	5553	[518, 8006]	8910	[2087, 7773]	12267	[11084, 11189]
2197	[3881, 3882]	5554	[2485, 6350]	8911	[7281, 5999]	12268	[2082, 2175]
2198	[3883, 3884]	5555	[8007, 6503]	8912	[7524, 7411]	12269	[7338, 2610]

2199	[3885, 3886]	5556	[8008, 8009]	8913	[2040, 5814]	12270	[1911, 2936]
2200	[3887, 1660]	5557	[8010, 7235]	8914	[2784, 7460]	12271	[1873, 11011]
2201	[3888, 3889]	5558	[7973, 8011]	8915	[2528, 7966]	12272	[6026, 11621]
2202	[3890, 3891]	5559	[787, 3174]	8916	[248, 11484]	12273	[11919, 3236]
2203	[3892, 3893]	5560	[2241, 6204]	8917	[6618, 7775]	12274	[11353, 6496]
2204	[3894, 3895]	5561	[8012, 6272]	8918	[8099, 5792]	12275	[8070, 607]
2205	[3896, 3897]	5562	[3007, 6603]	8919	[11485, 2448]	12276	[5837, 12043]
2206	[3481, 3898]	5563	[8013, 3002]	8920	[2916, 7403]	12277	[13192, 11058]
2207	[3899, 3900]	5564	[5705, 7506]	8921	[7222, 11486]	12278	[2332, 6621]
2208	[3901, 3902]	5565	[8014, 8015]	8922	[6395, 2514]	12279	[11856, 2811]
2209	[3903, 3904]	5566	[8016, 8017]	8923	[5754, 11065]	12280	[11927, 6357]
2210	[3905, 3906]	5567	[8018, 8019]	8924	[7575, 7396]	12281	[2951, 7199]
2211	[3907, 3908]	5568	[6384, 957]	8925	[7618, 2840]	12282	[2725, 6739]
2212	[3909, 3910]	5569	[2533, 139]	8926	[5734, 7001]	12283	[13193, 6709]
2213	[3911, 3912]	5570	[6959, 8020]	8927	[2633, 5781]	12284	[11944, 6904]
2214	[3913, 3914]	5571	[8021, 8022]	8928	[11487, 550]	12285	[6221, 217]
2215	[3915, 3814]	5572	[8023, 8024]	8929	[5786, 6281]	12286	[245, 12175]
2216	[3916, 3917]	5573	[923, 8025]	8930	[11488, 5750]	12287	[11694, 7488]
2217	[1601, 3918]	5574	[8026, 5877]	8931	[6110, 6201]	12288	[6937, 7374]
2218	[3919, 3920]	5575	[6819, 1910]	8932	[5777, 6592]	12289	[2088, 7774]
2219	[3921, 3922]	5576	[3109, 1912]	8933	[914, 11489]	12290	[11401, 7066]
2220	[3923, 3924]	5577	[2917, 1908]	8934	[11490, 543]	12291	[6002, 6370]
2221	[3925, 3926]	5578	[8027, 8028]	8935	[8053, 6863]	12292	[11740, 2153]
2222	[3927, 3928]	5579	[8029, 5912]	8936	[2685, 11491]	12293	[523, 13194]
2223	[3929, 3930]	5580	[5887, 8030]	8937	[704, 7126]	12294	[7824, 13195]
2224	[3931, 3932]	5581	[3009, 2616]	8938	[3006, 11396]	12295	[2409, 11715]
2225	[3933, 3934]	5582	[6075, 6653]	8939	[7171, 11139]	12296	[11482, 2047]
2226	[3935, 3936]	5583	[6235, 7495]	8940	[11447, 5898]	12297	[6545, 11826]
2227	[3937, 3938]	5584	[7545, 3019]	8941	[6592, 2003]	12298	[11105, 6787]
2228	[464, 3939]	5585	[6776, 8031]	8942	[7558, 11492]	12299	[11777, 2386]
2229	[3940, 3941]	5586	[8032, 8033]	8943	[11493, 7790]	12300	[7604, 11973]
2230	[3942, 3943]	5587	[2520, 6338]	8944	[1928, 6943]	12301	[11525, 8009]
2231	[3944, 3937]	5588	[8034, 3068]	8945	[6640, 11114]	12302	[13196, 7980]
2232	[3945, 3946]	5589	[2757, 7912]	8946	[2048, 781]	12303	[12071, 2966]
2233	[3947, 3948]	5590	[6616, 3060]	8947	[6671, 7498]	12304	[7075, 8006]
2234	[3949, 3950]	5591	[8035, 7104]	8948	[568, 11494]	12305	[11451, 13197]
2235	[3951, 3952]	5592	[8036, 8037]	8949	[7197, 11495]	12306	[7087, 1905]
2236	[3953, 3954]	5593	[240, 8038]	8950	[2559, 11496]	12307	[6341, 6742]
2237	[3955, 3956]	5594	[7929, 855]	8951	[2364, 3266]	12308	[7725, 7295]
2238	[3957, 368]	5595	[7418, 7359]	8952	[11497, 7961]	12309	[7055, 13198]
2239	[3958, 3959]	5596	[3009, 2164]	8953	[5838, 11431]	12310	[2846, 11655]
2240	[3960, 3961]	5597	[6722, 6128]	8954	[11498, 644]	12311	[6958, 6652]
2241	[3962, 3963]	5598	[8039, 8040]	8955	[7697, 6665]	12312	[11903, 7818]
2242	[3964, 3965]	5599	[6154, 6860]	8956	[6061, 7104]	12313	[5950, 6636]

2243	[3966, 3967]	5600	[8041, 8042]	8957	[7433, 11499]	12314	[2152, 920]
2244	[3968, 412]	5601	[7904, 5903]	8958	[3205, 11500]	12315	[2155, 11440]
2245	[3969, 3970]	5602	[2368, 8043]	8959	[11501, 7913]	12316	[11579, 11921]
2246	[3971, 1184]	5603	[8044, 6677]	8960	[5989, 2829]	12317	[11762, 2621]
2247	[3972, 3973]	5604	[8045, 7688]	8961	[7175, 2668]	12318	[6086, 2879]
2248	[3713, 1333]	5605	[8046, 8047]	8962	[11502, 11503]	12319	[6088, 2526]
2249	[3974, 3975]	5606	[5908, 760]	8963	[3226, 11504]	12320	[2377, 6072]
2250	[3976, 3977]	5607	[3111, 8048]	8964	[11505, 7074]	12321	[12048, 2074]
2251	[3978, 3979]	5608	[1887, 8049]	8965	[6501, 11506]	12322	[13199, 7852]
2252	[1730, 3980]	5609	[865, 2585]	8966	[7219, 6540]	12323	[6561, 7829]
2253	[3981, 3982]	5610	[2378, 6073]	8967	[6308, 11325]	12324	[3270, 11895]
2254	[3983, 3984]	5611	[7799, 8050]	8968	[6119, 2351]	12325	[11462, 2746]
2255	[3985, 3986]	5612	[7655, 8051]	8969	[11507, 7663]	12326	[894, 7772]
2256	[3987, 3988]	5613	[8052, 2438]	8970	[7883, 11508]	12327	[11434, 12093]
2257	[3989, 3990]	5614	[8053, 7977]	8971	[1924, 11492]	12328	[6398, 2175]
2258	[3991, 3992]	5615	[8054, 6407]	8972	[7129, 6446]	12329	[11257, 11489]
2259	[3993, 1386]	5616	[7536, 7625]	8973	[8012, 7727]	12330	[13200, 11828]
2260	[3994, 3995]	5617	[8055, 949]	8974	[11509, 11510]	12331	[7722, 2362]
2261	[3996, 3997]	5618	[2956, 634]	8975	[11511, 2230]	12332	[11785, 13195]
2262	[3998, 3999]	5619	[8056, 8057]	8976	[11201, 11512]	12333	[12157, 13201]
2263	[4000, 4001]	5620	[6100, 6471]	8977	[1980, 2994]	12334	[11367, 7768]
2264	[4002, 4003]	5621	[8058, 8059]	8978	[11513, 5848]	12335	[7623, 2631]
2265	[4004, 4005]	5622	[8060, 5798]	8979	[6141, 6875]	12336	[7465, 7047]
2266	[4006, 4007]	5623	[6330, 8061]	8980	[6110, 6986]	12337	[5820, 7930]
2267	[4008, 4009]	5624	[8062, 3176]	8981	[6645, 2118]	12338	[2337, 13202]
2268	[4010, 4011]	5625	[145, 8063]	8982	[7389, 174]	12339	[7206, 3079]
2269	[4012, 4013]	5626	[8064, 8065]	8983	[11514, 11219]	12340	[548, 11214]
2270	[4014, 4015]	5627	[8066, 869]	8984	[7694, 6291]	12341	[7229, 11026]
2271	[4016, 4017]	5628	[2461, 6064]	8985	[2915, 6491]	12342	[7827, 2990]
2272	[4018, 4019]	5629	[6413, 6066]	8986	[5980, 11515]	12343	[13203, 6314]
2273	[4020, 4021]	5630	[7554, 2222]	8987	[2193, 1947]	12344	[2296, 6477]
2274	[4022, 4023]	5631	[8067, 6931]	8988	[6638, 8094]	12345	[1936, 7110]
2275	[4024, 4025]	5632	[2778, 7548]	8989	[2661, 11194]	12346	[11194, 6692]
2276	[4026, 4027]	5633	[8068, 7397]	8990	[2026, 6584]	12347	[7960, 11611]
2277	[4028, 4029]	5634	[5998, 8069]	8991	[674, 11516]	12348	[12168, 12008]
2278	[4030, 4031]	5635	[536, 8018]	8992	[11517, 11518]	12349	[13204, 6642]
2279	[4032, 1493]	5636	[538, 6155]	8993	[227, 11519]	12350	[2578, 5938]
2280	[4033, 4034]	5637	[6096, 8070]	8994	[6899, 11520]	12351	[2524, 790]
2281	[4035, 4036]	5638	[237, 5850]	8995	[7234, 11521]	12352	[11440, 7903]
2282	[3513, 4037]	5639	[7734, 6308]	8996	[11522, 702]	12353	[7713, 11936]
2283	[3850, 4038]	5640	[8071, 1938]	8997	[7685, 6770]	12354	[13205, 2074]
2284	[3857, 4039]	5641	[8058, 8072]	8998	[11523, 11524]	12355	[11618, 2686]
2285	[4040, 4041]	5642	[6697, 2298]	8999	[2738, 195]	12356	[7470, 6039]
2286	[4042, 4043]	5643	[8073, 2624]	9000	[3012, 7410]	12357	[5942, 11918]

2287	[4044, 3724]	5644	[2393, 6194]	9001	[2925, 11029]	12358	[2372, 11519]
2288	[4045, 4046]	5645	[7249, 8074]	9002	[11525, 11526]	12359	[7926, 6436]
2289	[4047, 4048]	5646	[8075, 8076]	9003	[7683, 6867]	12360	[13206, 2632]
2290	[4049, 4050]	5647	[6473, 8077]	9004	[7519, 11527]	12361	[11385, 248]
2291	[4051, 1288]	5648	[8078, 7484]	9005	[7817, 11528]	12362	[13207, 12200]
2292	[4052, 4053]	5649	[5770, 7781]	9006	[11529, 2761]	12363	[3173, 13208]
2293	[4054, 4055]	5650	[715, 2208]	9007	[6493, 7993]	12364	[3249, 13209]
2294	[4056, 4057]	5651	[2796, 6553]	9008	[2094, 11124]	12365	[12159, 7091]
2295	[4058, 1819]	5652	[7778, 8079]	9009	[7994, 158]	12366	[2342, 6383]
2296	[4059, 4060]	5653	[6427, 177]	9010	[7645, 8047]	12367	[12129, 8024]
2297	[4061, 4062]	5654	[5953, 2962]	9011	[11530, 11531]	12368	[13210, 7604]
2298	[4063, 4064]	5655	[2856, 2029]	9012	[6526, 7750]	12369	[6791, 6655]
2299	[4065, 4066]	5656	[7068, 8080]	9013	[11428, 11532]	12370	[7790, 7399]
2300	[4067, 4068]	5657	[8081, 5770]	9014	[11533, 7451]	12371	[6830, 7744]
2301	[4069, 4070]	5658	[2896, 6244]	9015	[1895, 2468]	12372	[2666, 13211]
2302	[4071, 3622]	5659	[2084, 8082]	9016	[35, 7705]	12373	[7125, 7363]
2303	[4072, 4073]	5660	[8083, 2486]	9017	[11534, 11535]	12374	[11873, 6191]
2304	[4074, 4075]	5661	[6827, 6414]	9018	[7784, 771]	12375	[11768, 11053]
2305	[4076, 4077]	5662	[2238, 8084]	9019	[11122, 626]	12376	[6021, 7587]
2306	[4078, 4079]	5663	[7989, 6847]	9020	[7739, 835]	12377	[2944, 6394]
2307	[4080, 4081]	5664	[6904, 8085]	9021	[11536, 5885]	12378	[11655, 2956]
2308	[4082, 1138]	5665	[8086, 7281]	9022	[11537, 5719]	12379	[11322, 11647]
2309	[4083, 4084]	5666	[6756, 8087]	9023	[1891, 11538]	12380	[3143, 3104]
2310	[4085, 4086]	5667	[8088, 8089]	9024	[6470, 6101]	12381	[5874, 12206]
2311	[4087, 4088]	5668	[8090, 6090]	9025	[5729, 11539]	12382	[680, 6287]
2312	[4089, 4090]	5669	[2378, 6877]	9026	[705, 7283]	12383	[6918, 852]
2313	[4091, 4092]	5670	[7534, 8091]	9027	[3210, 6362]	12384	[7252, 2551]
2314	[4093, 4094]	5671	[8092, 7588]	9028	[5828, 2730]	12385	[12149, 7800]
2315	[4095, 4096]	5672	[8093, 8094]	9029	[2945, 11540]	12386	[8019, 12073]
2316	[4097, 4098]	5673	[2963, 8095]	9030	[6084, 2028]	12387	[13212, 6130]
2317	[4099, 4100]	5674	[8096, 6498]	9031	[7512, 11311]	12388	[6845, 11378]
2318	[4101, 4102]	5675	[2816, 2282]	9032	[6232, 40]	12389	[12024, 971]
2319	[4103, 4104]	5676	[2547, 838]	9033	[11047, 11541]	12390	[7564, 11233]
2320	[4105, 4106]	5677	[8097, 249]	9034	[2898, 11532]	12391	[13213, 13214]
2321	[1699, 4107]	5678	[8098, 7553]	9035	[6309, 11050]	12392	[13215, 7685]
2322	[4108, 4109]	5679	[8099, 6823]	9036	[798, 2773]	12393	[7245, 12070]
2323	[4110, 4111]	5680	[8100, 2989]	9037	[11051, 6441]	12394	[11892, 12231]
2324	[4112, 4113]	5681	[8101, 7260]	9038	[11542, 1888]	12395	[8047, 13216]
2325	[4114, 4115]	5682	[8102, 1294]	9039	[2773, 11543]	12396	[6476, 7941]
2326	[4116, 4117]	5683	[8103, 8104]	9040	[11232, 7553]	12397	[3031, 7262]
2327	[4118, 4119]	5684	[8105, 8106]	9041	[7773, 11544]	12398	[6291, 7099]
2328	[4120, 4121]	5685	[8107, 8108]	9042	[11545, 2080]	12399	[11519, 11738]
2329	[4122, 4123]	5686	[8109, 8110]	9043	[2215, 11546]	12400	[11670, 11594]
2330	[4124, 4125]	5687	[4769, 8111]	9044	[5734, 11211]	12401	[6410, 1911]

2331	[4126, 4127]	5688	[4364, 8112]	9045	[7324, 7438]	12402	[11719, 2978]
2332	[4128, 4129]	5689	[3593, 8113]	9046	[1976, 11547]	12403	[13217, 11850]
2333	[4130, 4131]	5690	[8114, 8115]	9047	[11548, 11549]	12404	[6164, 7650]
2334	[3356, 4047]	5691	[4744, 8116]	9048	[2808, 11550]	12405	[779, 11488]
2335	[3591, 4132]	5692	[4293, 8117]	9049	[3016, 6813]	12406	[2842, 11161]
2336	[18, 4133]	5693	[8118, 3491]	9050	[5804, 11551]	12407	[2225, 7206]
2337	[4134, 4135]	5694	[8119, 8120]	9051	[11113, 927]	12408	[11459, 11416]
2338	[4136, 4137]	5695	[8121, 8122]	9052	[873, 782]	12409	[7229, 11111]
2339	[4138, 4139]	5696	[8123, 8124]	9053	[6568, 11552]	12410	[214, 8070]
2340	[4140, 4141]	5697	[8125, 8126]	9054	[11073, 241]	12411	[2752, 7346]
2341	[4001, 4142]	5698	[8127, 8128]	9055	[2742, 11553]	12412	[7335, 12134]
2342	[4143, 4144]	5699	[8129, 8130]	9056	[11554, 7697]	12413	[6314, 544]
2343	[4145, 4146]	5700	[8131, 5060]	9057	[11555, 11556]	12414	[6711, 6141]
2344	[4147, 4148]	5701	[8132, 8133]	9058	[11439, 11557]	12415	[6163, 11832]
2345	[4149, 4150]	5702	[3667, 8134]	9059	[5952, 2961]	12416	[2941, 6923]
2346	[4151, 4152]	5703	[8135, 8136]	9060	[11558, 11104]	12417	[7270, 6567]
2347	[4153, 4154]	5704	[4888, 8137]	9061	[6175, 3060]	12418	[2331, 6620]
2348	[4155, 4156]	5705	[8138, 1425]	9062	[811, 6024]	12419	[7210, 238]
2349	[4157, 4158]	5706	[8139, 8140]	9063	[6428, 7339]	12420	[6442, 12013]
2350	[4159, 4160]	5707	[8141, 8142]	9064	[11522, 11559]	12421	[2903, 13218]
2351	[4161, 4162]	5708	[1836, 8143]	9065	[7738, 11560]	12422	[1899, 7395]
2352	[1234, 4163]	5709	[8144, 8145]	9066	[11223, 962]	12423	[6337, 13219]
2353	[500, 4164]	5710	[8146, 8147]	9067	[7945, 596]	12424	[11711, 3168]
2354	[4165, 4166]	5711	[4437, 8148]	9068	[7705, 7755]	12425	[7154, 8028]
2355	[4167, 4168]	5712	[8149, 8150]	9069	[148, 6181]	12426	[13220, 13221]
2356	[4169, 4170]	5713	[8151, 8152]	9070	[3188, 7039]	12427	[7409, 7328]
2357	[4171, 4172]	5714	[8153, 1640]	9071	[6339, 3135]	12428	[13222, 11844]
2358	[4173, 3911]	5715	[8154, 8155]	9072	[3126, 846]	12429	[5721, 7015]
2359	[4174, 4175]	5716	[8156, 5193]	9073	[1969, 5847]	12430	[8040, 7942]
2360	[4176, 4177]	5717	[8157, 8158]	9074	[1883, 11202]	12431	[11923, 12155]
2361	[3299, 374]	5718	[5586, 8159]	9075	[11135, 11561]	12432	[11929, 1897]
2362	[4178, 4179]	5719	[8160, 8161]	9076	[6219, 11562]	12433	[6494, 6421]
2363	[4180, 4181]	5720	[8162, 8163]	9077	[5831, 11563]	12434	[13215, 6869]
2364	[4182, 4183]	5721	[4844, 8164]	9078	[1978, 5683]	12435	[11067, 7212]
2365	[4184, 4185]	5722	[8165, 8166]	9079	[5856, 7287]	12436	[7406, 2608]
2366	[1830, 4186]	5723	[8167, 8168]	9080	[11564, 3268]	12437	[11114, 7965]
2367	[4187, 4188]	5724	[4775, 8169]	9081	[7189, 7935]	12438	[12118, 3021]
2368	[4189, 4190]	5725	[8170, 8171]	9082	[611, 897]	12439	[1949, 12108]
2369	[4191, 4192]	5726	[8172, 8173]	9083	[6387, 1987]	12440	[11671, 2546]
2370	[4193, 4194]	5727	[5636, 8174]	9084	[6421, 11145]	12441	[2706, 177]
2371	[4195, 4196]	5728	[8175, 4344]	9085	[6732, 11565]	12442	[6886, 6539]
2372	[4197, 4198]	5729	[8176, 8177]	9086	[11095, 7779]	12443	[7006, 13223]
2373	[4199, 4200]	5730	[8178, 4032]	9087	[5941, 5690]	12444	[11695, 11421]
2374	[4201, 4202]	5731	[8179, 8180]	9088	[1894, 11566]	12445	[2116, 11600]

2375	[4203, 4204]	5732	[8181, 8182]	9089	[11567, 11568]	12446	[6654, 223]
2376	[4205, 4206]	5733	[8183, 8184]	9090	[7832, 6823]	12447	[11916, 7804]
2377	[4207, 4208]	5734	[4258, 8185]	9091	[11129, 11217]	12448	[11950, 13224]
2378	[4209, 4210]	5735	[8186, 8187]	9092	[2073, 11023]	12449	[12207, 11032]
2379	[4211, 4212]	5736	[8188, 1130]	9093	[11569, 7157]	12450	[6376, 7805]
2380	[4213, 4214]	5737	[8189, 8190]	9094	[11570, 7922]	12451	[2045, 898]
2381	[1175, 4215]	5738	[8191, 8192]	9095	[11571, 11572]	12452	[7914, 11244]
2382	[4216, 4217]	5739	[8193, 8194]	9096	[7110, 7372]	12453	[7167, 7971]
2383	[3326, 4218]	5740	[8195, 5239]	9097	[5994, 11573]	12454	[11982, 7570]
2384	[3686, 4219]	5741	[8196, 8197]	9098	[6511, 729]	12455	[12235, 11323]
2385	[4220, 4221]	5742	[8198, 8199]	9099	[6509, 7754]	12456	[13225, 13226]
2386	[4222, 4223]	5743	[8200, 8201]	9100	[7309, 2999]	12457	[6049, 6354]
2387	[4224, 1256]	5744	[8202, 8203]	9101	[2602, 7795]	12458	[5866, 13227]
2388	[4225, 4226]	5745	[1649, 1347]	9102	[11574, 11575]	12459	[7685, 7690]
2389	[4227, 4228]	5746	[498, 8204]	9103	[11242, 7544]	12460	[11502, 2309]
2390	[4229, 4230]	5747	[8205, 3860]	9104	[2343, 7682]	12461	[163, 11138]
2391	[4231, 4232]	5748	[1572, 8206]	9105	[5902, 7905]	12462	[11374, 3162]
2392	[4233, 4234]	5749	[8207, 8208]	9106	[6371, 609]	12463	[13228, 13229]
2393	[4235, 4236]	5750	[8209, 8210]	9107	[2452, 11576]	12464	[11045, 6483]
2394	[4237, 1314]	5751	[8211, 3881]	9108	[3264, 7512]	12465	[13230, 13224]
2395	[4238, 4239]	5752	[8212, 8213]	9109	[11577, 6755]	12466	[2422, 3003]
2396	[4240, 4241]	5753	[8214, 8215]	9110	[7090, 6541]	12467	[909, 2732]
2397	[4242, 4243]	5754	[8216, 8217]	9111	[555, 2172]	12468	[13188, 159]
2398	[4244, 4245]	5755	[8218, 4255]	9112	[3259, 2167]	12469	[2720, 132]
2399	[4246, 4247]	5756	[8219, 8220]	9113	[913, 11257]	12470	[6531, 13227]
2400	[4248, 4249]	5757	[8221, 8222]	9114	[5712, 6887]	12471	[142, 11869]
2401	[4250, 4251]	5758	[8223, 8224]	9115	[5717, 11578]	12472	[11296, 6438]
2402	[4252, 4091]	5759	[8225, 4871]	9116	[11579, 11580]	12473	[7289, 11755]
2403	[4253, 4254]	5760	[8226, 4231]	9117	[152, 11581]	12474	[12232, 2374]
2404	[4255, 4256]	5761	[463, 5116]	9118	[2817, 1919]	12475	[2990, 11632]
2405	[4257, 4258]	5762	[8227, 1646]	9119	[3108, 2439]	12476	[13231, 506]
2406	[4259, 4260]	5763	[8228, 8229]	9120	[7939, 11582]	12477	[13232, 11889]
2407	[1330, 3989]	5764	[8230, 8231]	9121	[7775, 2747]	12478	[13233, 7710]
2408	[4261, 4262]	5765	[8232, 8233]	9122	[11583, 7980]	12479	[3169, 12163]
2409	[4263, 4264]	5766	[8234, 1455]	9123	[7600, 6127]	12480	[6764, 8041]
2410	[4265, 4266]	5767	[8235, 8236]	9124	[6082, 11584]	12481	[12102, 12039]
2411	[4267, 4184]	5768	[8237, 8238]	9125	[11177, 668]	12482	[11154, 7990]
2412	[4268, 4269]	5769	[1121, 3885]	9126	[11585, 11586]	12483	[2724, 11316]
2413	[4270, 4271]	5770	[8239, 8240]	9127	[7860, 11587]	12484	[11196, 7463]
2414	[4272, 4273]	5771	[8241, 3646]	9128	[7999, 6914]	12485	[12174, 11776]
2415	[4274, 1098]	5772	[1115, 8242]	9129	[11588, 6032]	12486	[12209, 6782]
2416	[4275, 1737]	5773	[8243, 8244]	9130	[2083, 3090]	12487	[12061, 11958]
2417	[4186, 4276]	5774	[8245, 4778]	9131	[2956, 11589]	12488	[5956, 11017]
2418	[4277, 4278]	5775	[8246, 8247]	9132	[6136, 7784]	12489	[11035, 11676]

2419	[1052, 4279]	5776	[4456, 8248]	9133	[11590, 2649]	12490	[11194, 2572]
2420	[1697, 1134]	5777	[8249, 4290]	9134	[3234, 11128]	12491	[2949, 7855]
2421	[4280, 4281]	5778	[8250, 8251]	9135	[2019, 11591]	12492	[11510, 7296]
2422	[4282, 4283]	5779	[8252, 1783]	9136	[848, 11335]	12493	[11622, 6565]
2423	[4284, 4285]	5780	[8253, 8254]	9137	[11360, 2771]	12494	[12239, 11422]
2424	[4286, 4287]	5781	[4639, 8255]	9138	[11266, 3240]	12495	[11724, 11814]
2425	[1131, 4288]	5782	[98, 8256]	9139	[11592, 11593]	12496	[3074, 12130]
2426	[3500, 4289]	5783	[8257, 8258]	9140	[6924, 11594]	12497	[7108, 11991]
2427	[4290, 4291]	5784	[8259, 8260]	9141	[6726, 11595]	12498	[11192, 791]
2428	[4292, 4293]	5785	[8261, 8262]	9142	[6299, 3102]	12499	[13234, 8092]
2429	[4294, 4295]	5786	[8263, 8264]	9143	[11596, 7940]	12500	[13235, 11101]
2430	[4296, 4297]	5787	[8265, 8266]	9144	[11597, 2960]	12501	[12002, 11395]
2431	[4298, 4299]	5788	[1526, 4620]	9145	[11598, 6910]	12502	[7598, 7722]
2432	[3718, 4300]	5789	[8267, 8268]	9146	[11335, 11253]	12503	[7556, 13201]
2433	[4301, 4302]	5790	[8269, 390]	9147	[6206, 1936]	12504	[11013, 2813]
2434	[4303, 4304]	5791	[1752, 8270]	9148	[11599, 5965]	12505	[2335, 3189]
2435	[4305, 4306]	5792	[8271, 8272]	9149	[7049, 11600]	12506	[2241, 7453]
2436	[4307, 4308]	5793	[8273, 8274]	9150	[11601, 7873]	12507	[752, 7874]
2437	[4309, 4310]	5794	[3346, 5319]	9151	[3120, 11365]	12508	[7026, 7214]
2438	[4311, 4312]	5795	[8275, 8276]	9152	[11602, 11603]	12509	[7812, 645]
2439	[4313, 4314]	5796	[8277, 8278]	9153	[11604, 11010]	12510	[13236, 11653]
2440	[4315, 1034]	5797	[8279, 8280]	9154	[7350, 11605]	12511	[568, 13237]
2441	[4316, 1565]	5798	[8281, 8282]	9155	[11606, 7115]	12512	[12205, 5983]
2442	[4317, 4318]	5799	[8166, 8283]	9156	[2899, 2569]	12513	[11570, 6504]
2443	[3910, 4319]	5800	[8284, 8285]	9157	[7931, 6365]	12514	[13220, 6189]
2444	[4320, 4321]	5801	[387, 8286]	9158	[11372, 11607]	12515	[11272, 12058]
2445	[4322, 4323]	5802	[4798, 4826]	9159	[2185, 6417]	12516	[11237, 6451]
2446	[4324, 4325]	5803	[8287, 8288]	9160	[2011, 11608]	12517	[232, 12079]
2447	[4326, 4327]	5804	[8289, 8290]	9161	[6497, 11609]	12518	[11440, 6447]
2448	[4328, 4329]	5805	[8291, 8292]	9162	[1920, 6560]	12519	[13206, 6138]
2449	[4330, 1577]	5806	[8293, 8294]	9163	[7280, 5998]	12520	[639, 11932]
2450	[4331, 4332]	5807	[3930, 8295]	9164	[3184, 11610]	12521	[12224, 11185]
2451	[4333, 4334]	5808	[8296, 8297]	9165	[5863, 5756]	12522	[2928, 7388]
2452	[4335, 3983]	5809	[302, 5218]	9166	[11497, 11611]	12523	[6843, 2062]
2453	[3458, 469]	5810	[8298, 8299]	9167	[7419, 7741]	12524	[3189, 7040]
2454	[4336, 4337]	5811	[5203, 8300]	9168	[7718, 11166]	12525	[566, 7645]
2455	[3522, 4338]	5812	[8301, 1325]	9169	[3116, 6663]	12526	[2905, 11987]
2456	[4339, 4340]	5813	[8302, 8303]	9170	[7506, 737]	12527	[6600, 2431]
2457	[4341, 3596]	5814	[8304, 8305]	9171	[2870, 599]	12528	[2847, 633]
2458	[4342, 4343]	5815	[8306, 1339]	9172	[11271, 7569]	12529	[968, 11340]
2459	[4344, 4345]	5816	[4362, 8307]	9173	[6528, 7033]	12530	[6536, 5698]
2460	[4346, 1082]	5817	[8308, 4885]	9174	[2733, 11612]	12531	[11458, 6988]
2461	[4347, 4348]	5818	[8309, 8310]	9175	[11287, 7773]	12532	[11854, 11475]
2462	[4349, 4350]	5819	[8311, 8312]	9176	[7858, 11613]	12533	[11179, 12115]

2463	[4351, 4352]	5820	[4779, 8313]	9177	[7786, 2378]	12534	[7709, 13238]
2464	[4353, 4354]	5821	[8314, 8315]	9178	[11614, 11615]	12535	[6141, 7530]
2465	[4355, 4356]	5822	[8316, 8317]	9179	[11465, 11135]	12536	[11099, 11028]
2466	[4357, 4358]	5823	[8318, 8319]	9180	[709, 11616]	12537	[873, 7352]
2467	[4359, 4360]	5824	[279, 8320]	9181	[7635, 628]	12538	[12227, 829]
2468	[4361, 4362]	5825	[8321, 8322]	9182	[6951, 11617]	12539	[2576, 11961]
2469	[4363, 4364]	5826	[8323, 8324]	9183	[11618, 11491]	12540	[7266, 7926]
2470	[4365, 3592]	5827	[8325, 8326]	9184	[11533, 906]	12541	[2583, 13239]
2471	[4366, 4367]	5828	[8327, 4807]	9185	[11619, 11620]	12542	[13204, 6216]
2472	[4043, 4368]	5829	[8328, 8329]	9186	[7351, 11621]	12543	[11530, 5936]
2473	[3701, 4369]	5830	[8330, 5196]	9187	[7682, 2342]	12544	[11863, 7588]
2474	[4370, 4371]	5831	[8331, 8332]	9188	[7453, 2370]	12545	[2897, 11428]
2475	[3763, 4372]	5832	[8333, 8334]	9189	[7076, 2671]	12546	[3239, 7088]
2476	[3786, 4136]	5833	[8335, 3875]	9190	[7342, 1991]	12547	[11457, 1998]
2477	[4373, 4374]	5834	[8336, 8337]	9191	[7035, 2877]	12548	[11997, 11591]
2478	[4375, 4376]	5835	[8338, 4840]	9192	[6648, 11538]	12549	[12088, 5684]
2479	[4377, 4378]	5836	[5498, 8335]	9193	[3247, 7634]	12550	[629, 2444]
2480	[4379, 4380]	5837	[8339, 8340]	9194	[11622, 7501]	12551	[11664, 13240]
2481	[4381, 4382]	5838	[1168, 8341]	9195	[11623, 2243]	12552	[8084, 3010]
2482	[4383, 4384]	5839	[4150, 8342]	9196	[11624, 11625]	12553	[11845, 5945]
2483	[4385, 4386]	5840	[8343, 8344]	9197	[11554, 6664]	12554	[11890, 11975]
2484	[3616, 4387]	5841	[3891, 8345]	9198	[1981, 558]	12555	[2965, 12072]
2485	[4388, 3546]	5842	[8346, 8347]	9199	[11626, 11121]	12556	[3094, 12202]
2486	[1857, 4389]	5843	[8348, 8349]	9200	[2142, 11576]	12557	[13241, 7822]
2487	[4390, 4391]	5844	[8350, 8351]	9201	[50, 11627]	12558	[6382, 13242]
2488	[4392, 4393]	5845	[8352, 8353]	9202	[7935, 572]	12559	[7912, 787]
2489	[4394, 4395]	5846	[8354, 8355]	9203	[2863, 11628]	12560	[11883, 2987]
2490	[4396, 4397]	5847	[4955, 8356]	9204	[2752, 11210]	12561	[6324, 5937]
2491	[4398, 4399]	5848	[8357, 8358]	9205	[6231, 5712]	12562	[13243, 6269]
2492	[4400, 4401]	5849	[8359, 8360]	9206	[7472, 11629]	12563	[5758, 11305]
2493	[4092, 4402]	5850	[8361, 1421]	9207	[11149, 5899]	12564	[13244, 11279]
2494	[4403, 4404]	5851	[8362, 8363]	9208	[11630, 6837]	12565	[11933, 740]
2495	[4405, 4406]	5852	[8364, 8365]	9209	[1905, 2219]	12566	[7713, 5826]
2496	[4407, 4408]	5853	[8208, 8366]	9210	[11631, 2803]	12567	[13245, 7579]
2497	[4409, 4410]	5854	[5523, 3672]	9211	[2114, 11632]	12568	[6563, 11209]
2498	[4411, 1668]	5855	[8367, 4051]	9212	[3242, 6586]	12569	[11337, 6340]
2499	[4412, 4413]	5856	[8368, 4280]	9213	[11633, 7879]	12570	[7153, 6910]
2500	[4162, 4414]	5857	[8369, 1419]	9214	[525, 11634]	12571	[12236, 11781]
2501	[1558, 4415]	5858	[1593, 8370]	9215	[7563, 6943]	12572	[11879, 7222]
2502	[4416, 4417]	5859	[8371, 8372]	9216	[6883, 11294]	12573	[659, 3272]
2503	[4418, 4419]	5860	[5468, 8373]	9217	[2924, 7794]	12574	[13246, 11535]
2504	[4420, 4421]	5861	[3753, 8374]	9218	[937, 7292]	12575	[2760, 13247]
2505	[4422, 4423]	5862	[4413, 8375]	9219	[572, 6640]	12576	[2858, 6037]
2506	[4424, 4425]	5863	[8376, 8377]	9220	[11635, 752]	12577	[7501, 6941]

2507	[4426, 4427]	5864	[8378, 3981]	9221	[142, 7094]	12578	[2947, 11516]
2508	[4428, 4429]	5865	[8379, 8273]	9222	[11636, 7597]	12579	[11069, 5958]
2509	[4430, 4431]	5866	[8288, 8380]	9223	[2082, 6399]	12580	[12147, 12228]
2510	[4432, 4433]	5867	[8381, 8382]	9224	[11637, 2488]	12581	[6639, 2392]
2511	[4434, 4435]	5868	[4748, 8383]	9225	[5997, 11638]	12582	[11985, 13248]
2512	[4436, 4437]	5869	[8384, 8385]	9226	[5861, 2408]	12583	[11184, 7847]
2513	[4438, 4439]	5870	[8386, 8387]	9227	[11639, 11640]	12584	[2200, 653]
2514	[4440, 4441]	5871	[8388, 8389]	9228	[154, 790]	12585	[13249, 7250]
2515	[4442, 4443]	5872	[8390, 8391]	9229	[1959, 11641]	12586	[11664, 11817]
2516	[4444, 4445]	5873	[1633, 8392]	9230	[2137, 6319]	12587	[7166, 7970]
2517	[4214, 4446]	5874	[8393, 8394]	9231	[11490, 6314]	12588	[3249, 6721]
2518	[4447, 4448]	5875	[4131, 8395]	9232	[11642, 6425]	12589	[11758, 11382]
2519	[4449, 4450]	5876	[8396, 8397]	9233	[179, 11225]	12590	[12101, 13250]
2520	[4451, 4452]	5877	[8398, 8399]	9234	[11643, 6046]	12591	[11450, 1883]
2521	[4453, 4454]	5878	[4181, 8400]	9235	[8005, 2552]	12592	[12041, 2903]
2522	[4455, 4456]	5879	[8401, 8402]	9236	[11597, 11644]	12593	[12026, 6011]
2523	[4457, 4458]	5880	[8403, 8404]	9237	[7052, 8036]	12594	[3162, 13251]
2524	[4459, 4460]	5881	[8285, 8405]	9238	[11645, 2371]	12595	[7490, 7168]
2525	[4461, 1146]	5882	[8406, 8407]	9239	[6642, 3147]	12596	[207, 7417]
2526	[4462, 4463]	5883	[8408, 8316]	9240	[6773, 11646]	12597	[3224, 13252]
2527	[3328, 4464]	5884	[8409, 8410]	9241	[11647, 11648]	12598	[3136, 2094]
2528	[4465, 4466]	5885	[8411, 8412]	9242	[7867, 2970]	12599	[187, 11669]
2529	[4467, 4468]	5886	[5624, 8413]	9243	[11649, 11108]	12600	[13253, 11168]
2530	[4469, 4470]	5887	[3889, 467]	9244	[11195, 7462]	12601	[7442, 166]
2531	[4471, 4472]	5888	[8414, 5473]	9245	[11650, 7124]	12602	[13228, 13254]
2532	[4473, 4474]	5889	[8415, 8416]	9246	[11176, 2522]	12603	[5742, 7356]
2533	[4475, 4476]	5890	[4833, 4065]	9247	[11651, 11652]	12604	[12095, 7235]
2534	[4477, 4478]	5891	[3352, 1302]	9248	[7268, 11653]	12605	[6641, 2528]
2535	[4479, 4480]	5892	[8417, 8418]	9249	[7947, 7928]	12606	[13255, 2634]
2536	[4481, 1290]	5893	[8419, 8420]	9250	[7387, 2929]	12607	[7561, 11668]
2537	[1623, 4355]	5894	[341, 8421]	9251	[189, 246]	12608	[11956, 6952]
2538	[4482, 4483]	5895	[5046, 8422]	9252	[6687, 6819]	12609	[7828, 143]
2539	[1436, 4155]	5896	[8423, 8424]	9253	[5935, 11531]	12610	[2074, 13256]
2540	[4484, 1367]	5897	[4870, 8425]	9254	[11654, 3193]	12611	[7139, 6779]
2541	[4485, 4486]	5898	[8426, 8427]	9255	[11655, 633]	12612	[2326, 12032]
2542	[4487, 4392]	5899	[8428, 5287]	9256	[6095, 7341]	12613	[7956, 5833]
2543	[4488, 89]	5900	[3843, 8429]	9257	[5849, 587]	12614	[2820, 2967]
2544	[3393, 4489]	5901	[8430, 8431]	9258	[6555, 11656]	12615	[2230, 12173]
2545	[4490, 4491]	5902	[8432, 8433]	9259	[237, 11657]	12616	[2486, 6351]
2546	[3859, 4492]	5903	[8434, 1853]	9260	[6910, 11658]	12617	[11639, 12234]
2547	[4493, 4494]	5904	[8435, 8436]	9261	[11659, 11277]	12618	[12230, 2887]
2548	[4495, 4496]	5905	[8437, 8438]	9262	[11208, 2284]	12619	[7106, 3141]
2549	[4497, 4498]	5906	[8439, 8440]	9263	[11660, 201]	12620	[7449, 11308]
2550	[3348, 4499]	5907	[3509, 8441]	9264	[5827, 11386]	12621	[3046, 6190]

2551	[4500, 3792]	5908	[8442, 8443]	9265	[6502, 6299]	12622	[675, 11627]
2552	[4501, 4502]	5909	[8444, 4757]	9266	[11421, 11661]	12623	[13257, 5735]
2553	[4503, 4504]	5910	[1775, 1278]	9267	[11537, 11662]	12624	[11942, 5843]
2554	[4505, 4506]	5911	[4188, 4743]	9268	[6009, 5715]	12625	[59, 13258]
2555	[1609, 3668]	5912	[8445, 8446]	9269	[11663, 11351]	12626	[13259, 13196]
2556	[4507, 4508]	5913	[8447, 3839]	9270	[6892, 11664]	12627	[13213, 11449]
2557	[4509, 4510]	5914	[8448, 8449]	9271	[2780, 7958]	12628	[799, 2774]
2558	[4511, 4512]	5915	[8450, 8451]	9272	[2299, 11665]	12629	[2515, 11578]
2559	[4513, 4514]	5916	[8452, 3544]	9273	[3076, 3029]	12630	[2532, 11355]
2560	[4515, 4516]	5917	[8453, 8454]	9274	[609, 7205]	12631	[7463, 7680]
2561	[4517, 4518]	5918	[8455, 8456]	9275	[610, 7796]	12632	[11829, 11048]
2562	[4519, 4520]	5919	[321, 8457]	9276	[895, 3158]	12633	[11748, 7361]
2563	[4521, 4522]	5920	[8292, 8458]	9277	[2222, 3078]	12634	[2436, 7447]
2564	[4523, 4524]	5921	[5044, 8459]	9278	[3081, 728]	12635	[2289, 6575]
2565	[4525, 4526]	5922	[8460, 1499]	9279	[11666, 525]	12636	[12001, 6535]
2566	[4527, 1388]	5923	[8461, 8462]	9280	[11667, 11668]	12637	[13260, 3057]
2567	[4528, 4529]	5924	[8300, 8463]	9281	[2380, 2687]	12638	[11421, 13261]
2568	[4530, 4531]	5925	[5181, 8464]	9282	[11669, 2996]	12639	[6920, 11488]
2569	[4532, 4533]	5926	[8465, 314]	9283	[11670, 6925]	12640	[11361, 2396]
2570	[4534, 4535]	5927	[4332, 8466]	9284	[6416, 11671]	12641	[12212, 6558]
2571	[4536, 4537]	5928	[8467, 8468]	9285	[962, 11672]	12642	[13262, 6893]
2572	[4538, 4539]	5929	[8469, 8470]	9286	[969, 8083]	12643	[7690, 7095]
2573	[4540, 4541]	5930	[1693, 4220]	9287	[2205, 6225]	12644	[7782, 13263]
2574	[4542, 4543]	5931	[445, 8471]	9288	[11673, 6457]	12645	[13244, 8057]
2575	[4544, 4545]	5932	[8472, 8473]	9289	[11674, 6993]	12646	[12106, 6593]
2576	[4546, 4547]	5933	[4384, 1331]	9290	[11276, 11345]	12647	[12219, 11862]
2577	[4548, 1833]	5934	[8474, 3826]	9291	[2606, 7923]	12648	[13241, 11952]
2578	[4549, 4550]	5935	[8475, 8476]	9292	[11088, 11675]	12649	[8080, 3187]
2579	[4551, 4552]	5936	[8477, 8478]	9293	[7392, 2328]	12650	[11542, 8049]
2580	[4553, 4554]	5937	[8479, 3578]	9294	[3111, 11676]	12651	[2491, 13264]
2581	[16, 4555]	5938	[8264, 5388]	9295	[11677, 11678]	12652	[13257, 2858]
2582	[4556, 4557]	5939	[8480, 8481]	9296	[6995, 6404]	12653	[6815, 13241]
2583	[4558, 4559]	5940	[8482, 3465]	9297	[2848, 11506]	12654	[6903, 11945]
2584	[4560, 4561]	5941	[8483, 8484]	9298	[1880, 11349]	12655	[11454, 5930]
2585	[4562, 4563]	5942	[8485, 8486]	9299	[11679, 6841]	12656	[5783, 2232]
2586	[4564, 4565]	5943	[8487, 8488]	9300	[6012, 11680]	12657	[13265, 1901]
2587	[4566, 4567]	5944	[8489, 8198]	9301	[6850, 6415]	12658	[2119, 7437]
2588	[4568, 4347]	5945	[8490, 8491]	9302	[11350, 11677]	12659	[13262, 2874]
2589	[4569, 4570]	5946	[8492, 8493]	9303	[11681, 6620]	12660	[13266, 13267]
2590	[4571, 4572]	5947	[8494, 8495]	9304	[11493, 2819]	12661	[12103, 2918]
2591	[4573, 4574]	5948	[8496, 8497]	9305	[11567, 5869]	12662	[2289, 7170]
2592	[4575, 4576]	5949	[8498, 8499]	9306	[11682, 11577]	12663	[11971, 7448]
2593	[4577, 4578]	5950	[3658, 8500]	9307	[8090, 11683]	12664	[2159, 3077]
2594	[4579, 4580]	5951	[8501, 8502]	9308	[6281, 5938]	12665	[13268, 11304]

2595	[4581, 4176]	5952	[8503, 316]	9309	[11479, 11413]	12666	[7273, 6610]
2596	[3344, 4582]	5953	[8504, 8505]	9310	[11684, 7334]	12667	[13269, 7053]
2597	[3884, 4583]	5954	[977, 4294]	9311	[2287, 2472]	12668	[3269, 6096]
2598	[4584, 4585]	5955	[4713, 8506]	9312	[11614, 7226]	12669	[7217, 171]
2599	[4586, 4587]	5956	[8507, 5271]	9313	[11015, 6367]	12670	[13270, 12050]
2600	[4588, 4589]	5957	[8508, 8509]	9314	[2541, 7482]	12671	[7377, 7072]
2601	[4590, 3996]	5958	[8510, 8511]	9315	[778, 6920]	12672	[11146, 12063]
2602	[4591, 4592]	5959	[5494, 8512]	9316	[6927, 11255]	12673	[11446, 6880]
2603	[4593, 4594]	5960	[8513, 67]	9317	[11061, 253]	12674	[12126, 13271]
2604	[4595, 1409]	5961	[8514, 8515]	9318	[2807, 2832]	12675	[7967, 840]
2605	[4596, 4597]	5962	[8516, 5542]	9319	[6755, 873]	12676	[11857, 7464]
2606	[3902, 4598]	5963	[8517, 8518]	9320	[5773, 11494]	12677	[11992, 7633]
2607	[4599, 4600]	5964	[8519, 303]	9321	[11685, 11518]	12678	[13272, 6972]
2608	[4601, 4602]	5965	[4688, 8520]	9322	[11686, 11687]	12679	[13273, 13252]
2609	[3636, 4603]	5966	[8521, 8522]	9323	[11688, 11495]	12680	[12203, 7814]
2610	[4604, 4605]	5967	[8523, 8524]	9324	[11689, 7529]	12681	[7043, 11205]
2611	[4606, 4607]	5968	[8525, 8526]	9325	[11690, 2787]	12682	[7085, 6884]
2612	[4608, 1108]	5969	[8527, 8528]	9326	[11241, 11691]	12683	[11079, 7631]
2613	[4609, 1654]	5970	[8529, 8530]	9327	[6919, 11025]	12684	[2334, 3188]
2614	[4610, 4]	5971	[8531, 8532]	9328	[8004, 6479]	12685	[6664, 7698]
2615	[4611, 4612]	5972	[8533, 8534]	9329	[11039, 2167]	12686	[5864, 2944]
2616	[1324, 4613]	5973	[8535, 8536]	9330	[617, 7932]	12687	[3253, 11288]
2617	[4614, 4615]	5974	[8537, 4063]	9331	[11606, 11108]	12688	[7065, 11402]
2618	[4616, 4617]	5975	[8538, 8539]	9332	[3226, 6516]	12689	[11731, 6966]
2619	[4618, 4619]	5976	[8540, 3493]	9333	[7510, 11037]	12690	[6991, 13274]
2620	[4620, 3559]	5977	[8541, 8542]	9334	[11692, 695]	12691	[5744, 13275]
2621	[1486, 4621]	5978	[4550, 4042]	9335	[7803, 11693]	12692	[911, 11859]
2622	[4622, 4623]	5979	[8543, 8544]	9336	[5969, 7702]	12693	[7605, 13275]
2623	[4624, 438]	5980	[1657, 8545]	9337	[6421, 587]	12694	[7582, 2276]
2624	[4625, 4626]	5981	[8546, 8547]	9338	[11694, 11147]	12695	[2524, 11192]
2625	[4627, 4628]	5982	[8548, 8549]	9339	[11695, 11696]	12696	[231, 12139]
2626	[4629, 4630]	5983	[8550, 8551]	9340	[11697, 11441]	12697	[12131, 11947]
2627	[4631, 1211]	5984	[4941, 8552]	9341	[7326, 3111]	12698	[2200, 6077]
2628	[4632, 4633]	5985	[8553, 4724]	9342	[3096, 2399]	12699	[11803, 13276]
2629	[4483, 4634]	5986	[8554, 8555]	9343	[7134, 7515]	12700	[11254, 13274]
2630	[4635, 4573]	5987	[8556, 8557]	9344	[7844, 11698]	12701	[944, 7369]
2631	[4636, 4637]	5988	[8558, 1702]	9345	[6994, 11656]	12702	[6702, 7542]
2632	[4638, 4639]	5989	[8559, 8560]	9346	[6867, 11699]	12703	[11731, 2451]
2633	[4640, 4641]	5990	[8561, 8562]	9347	[7965, 2529]	12704	[11767, 6192]
2634	[4642, 4643]	5991	[8563, 5283]	9348	[11700, 11701]	12705	[11756, 6194]
2635	[4644, 4645]	5992	[8564, 8565]	9349	[11198, 2804]	12706	[6412, 6525]
2636	[255, 1086]	5993	[8566, 8567]	9350	[11422, 11042]	12707	[7550, 3172]
2637	[4646, 4647]	5994	[8568, 8569]	9351	[11702, 2639]	12708	[6602, 5893]
2638	[4648, 4649]	5995	[8570, 8571]	9352	[11247, 3033]	12709	[5876, 11383]

2639	[4650, 4651]	5996	[8572, 8573]	9353	[7579, 11703]	12710	[3015, 6959]
2640	[4652, 4653]	5997	[8574, 8575]	9354	[11704, 2932]	12711	[12025, 13218]
2641	[4654, 4655]	5998	[8576, 8577]	9355	[7669, 6367]	12712	[11517, 12177]
2642	[4656, 4657]	5999	[8578, 8579]	9356	[3070, 11705]	12713	[5913, 1875]
2643	[4658, 4659]	6000	[8580, 8581]	9357	[657, 11706]	12714	[1933, 7517]
2644	[4660, 4661]	6001	[8582, 8583]	9358	[2085, 921]	12715	[6934, 2410]
2645	[4662, 4663]	6002	[3654, 8584]	9359	[11707, 3064]	12716	[6031, 6850]
2646	[4664, 4665]	6003	[8585, 8586]	9360	[7333, 11708]	12717	[7220, 2059]
2647	[4666, 4667]	6004	[4084, 5234]	9361	[2681, 11709]	12718	[2918, 12069]
2648	[4668, 4669]	6005	[5343, 8587]	9362	[7457, 2854]	12719	[12038, 605]
2649	[4670, 4671]	6006	[8588, 3303]	9363	[6196, 7005]	12720	[6987, 7392]
2650	[4672, 4346]	6007	[482, 8589]	9364	[11710, 11711]	12721	[13253, 7386]
2651	[4673, 4674]	6008	[8590, 8591]	9365	[11712, 1956]	12722	[6631, 11178]
2652	[4675, 4676]	6009	[8592, 5262]	9366	[5785, 11713]	12723	[2568, 11409]
2653	[4677, 4678]	6010	[8593, 5210]	9367	[11714, 7791]	12724	[11524, 2919]
2654	[4247, 4679]	6011	[8594, 8595]	9368	[868, 6254]	12725	[6160, 797]
2655	[1671, 4680]	6012	[30, 8596]	9369	[6934, 11715]	12726	[11730, 3021]
2656	[4681, 4250]	6013	[8597, 8598]	9370	[3204, 6269]	12727	[2801, 2791]
2657	[4682, 4683]	6014	[8599, 8600]	9371	[6789, 713]	12728	[13277, 7248]
2658	[4684, 4685]	6015	[8601, 8602]	9372	[2217, 6517]	12729	[2937, 7457]
2659	[4686, 4687]	6016	[8603, 1686]	9373	[8045, 6224]	12730	[7022, 6707]
2660	[3765, 4688]	6017	[8604, 8605]	9374	[251, 2045]	12731	[13278, 8066]
2661	[4689, 4538]	6018	[8171, 8606]	9375	[829, 7541]	12732	[7608, 12215]
2662	[4690, 4691]	6019	[8607, 5604]	9376	[7276, 948]	12733	[13207, 11907]
2663	[4692, 4693]	6020	[8608, 8609]	9377	[11674, 6554]	12734	[11740, 5771]
2664	[4694, 4695]	6021	[8610, 8611]	9378	[7462, 7679]	12735	[2652, 5803]
2665	[4696, 4697]	6022	[8612, 8613]	9379	[901, 5900]	12736	[6814, 12097]
2666	[4698, 4699]	6023	[8614, 8615]	9380	[11716, 11584]	12737	[12182, 11269]
2667	[1309, 4700]	6024	[1564, 8616]	9381	[11717, 11718]	12738	[11463, 11978]
2668	[4701, 4702]	6025	[8617, 8618]	9382	[7386, 2521]	12739	[13260, 199]
2669	[4703, 4704]	6026	[3690, 8619]	9383	[11719, 11370]	12740	[7263, 11625]
2670	[4705, 4706]	6027	[8620, 8621]	9384	[11359, 2446]	12741	[683, 139]
2671	[4594, 4707]	6028	[3832, 5032]	9385	[11720, 7981]	12742	[7235, 12135]
2672	[4708, 4709]	6029	[5665, 8296]	9386	[6800, 11608]	12743	[7695, 6917]
2673	[4710, 4711]	6030	[8622, 8623]	9387	[3037, 7465]	12744	[648, 13247]
2674	[4712, 4713]	6031	[8624, 3485]	9388	[11721, 2810]	12745	[13279, 200]
2675	[4714, 4715]	6032	[3364, 5350]	9389	[11722, 3114]	12746	[595, 7946]
2676	[4039, 4716]	6033	[8625, 8626]	9390	[2256, 7621]	12747	[11569, 7836]
2677	[4717, 4718]	6034	[8627, 8628]	9391	[8002, 11691]	12748	[11696, 13261]
2678	[3999, 4719]	6035	[8629, 8630]	9392	[6060, 11616]	12749	[12064, 2725]
2679	[4720, 4721]	6036	[8631, 8632]	9393	[7699, 709]	12750	[2906, 7218]
2680	[4722, 4723]	6037	[8633, 8634]	9394	[675, 11723]	12751	[12068, 7240]
2681	[4724, 4725]	6038	[8635, 8636]	9395	[36, 7755]	12752	[2737, 7223]
2682	[4726, 4727]	6039	[4980, 8637]	9396	[6961, 561]	12753	[7811, 7985]

2683	[4728, 4729]	6040	[8638, 8639]	9397	[3271, 2030]	12754	[7521, 7713]
2684	[4730, 4731]	6041	[5061, 8640]	9398	[7797, 6113]	12755	[58, 11835]
2685	[4732, 4733]	6042	[8641, 8642]	9399	[799, 11543]	12756	[8010, 12096]
2686	[4734, 4735]	6043	[8643, 8644]	9400	[7629, 251]	12757	[3110, 1913]
2687	[4736, 4737]	6044	[1346, 8645]	9401	[11386, 11724]	12758	[7512, 11483]
2688	[4738, 4739]	6045	[8646, 8647]	9402	[11725, 7697]	12759	[7847, 6006]
2689	[3813, 4740]	6046	[8648, 8649]	9403	[5692, 7693]	12760	[11755, 7245]
2690	[4741, 4742]	6047	[8650, 81]	9404	[7525, 11463]	12761	[11700, 12082]
2691	[4743, 4744]	6048	[8651, 1298]	9405	[758, 11726]	12762	[11990, 8022]
2692	[4745, 4746]	6049	[8652, 8653]	9406	[11657, 11146]	12763	[11961, 11888]
2693	[4747, 4748]	6050	[8654, 8655]	9407	[6829, 7059]	12764	[12175, 6326]
2694	[4749, 446]	6051	[8656, 8657]	9408	[7025, 2802]	12765	[7656, 12222]
2695	[4750, 4751]	6052	[8658, 5194]	9409	[11102, 6679]	12766	[13222, 7831]
2696	[122, 4752]	6053	[8659, 1182]	9410	[11189, 6646]	12767	[8035, 6062]
2697	[4753, 4754]	6054	[8660, 8661]	9411	[11727, 7587]	12768	[11631, 11198]
2698	[4755, 4756]	6055	[8662, 8663]	9412	[6872, 6055]	12769	[13245, 11968]
2699	[4757, 4758]	6056	[8664, 8665]	9413	[11728, 11729]	12770	[11406, 5785]
2700	[4759, 4326]	6057	[8666, 8667]	9414	[11730, 6751]	12771	[7331, 11607]
2701	[4760, 4761]	6058	[8668, 8669]	9415	[11455, 5960]	12772	[7752, 11481]
2702	[4762, 4763]	6059	[8670, 8671]	9416	[11108, 11388]	12773	[6922, 2942]
2703	[4764, 4765]	6060	[8672, 8673]	9417	[3246, 7633]	12774	[7432, 5774]
2704	[4766, 364]	6061	[8674, 8675]	9418	[6729, 11512]	12775	[6488, 5953]
2705	[393, 4767]	6062	[8676, 8677]	9419	[11523, 2918]	12776	[7213, 13256]
2706	[4768, 4769]	6063	[8678, 8679]	9420	[11397, 1967]	12777	[12075, 11320]
2707	[4770, 4471]	6064	[3583, 8680]	9421	[2295, 3275]	12778	[2296, 3276]
2708	[1826, 4771]	6065	[4348, 1692]	9422	[553, 6014]	12779	[6053, 11259]
2709	[4772, 4773]	6066	[8681, 4710]	9423	[910, 181]	12780	[7845, 12017]
2710	[4774, 4775]	6067	[8682, 8683]	9424	[11535, 11731]	12781	[7224, 7034]
2711	[4776, 4777]	6068	[8684, 8685]	9425	[7425, 6366]	12782	[13280, 11300]
2712	[3661, 292]	6069	[8686, 4864]	9426	[11732, 5733]	12783	[13281, 7329]
2713	[4778, 4779]	6070	[8687, 8688]	9427	[11316, 2651]	12784	[11619, 13282]
2714	[4780, 1246]	6071	[8689, 8690]	9428	[11733, 11734]	12785	[2370, 7026]
2715	[3492, 4781]	6072	[8691, 8692]	9429	[3192, 11735]	12786	[6540, 11380]
2716	[4782, 4783]	6073	[8693, 1443]	9430	[11471, 11736]	12787	[13283, 11386]
2717	[4784, 4785]	6074	[1471, 8694]	9431	[6195, 11737]	12788	[13259, 11583]
2718	[3977, 4786]	6075	[8695, 5583]	9432	[2862, 880]	12789	[13284, 13271]
2719	[4787, 4788]	6076	[8696, 4124]	9433	[2373, 11738]	12790	[194, 13285]
2720	[4789, 4790]	6077	[8697, 8695]	9434	[11739, 11740]	12791	[7453, 11645]
2721	[4791, 4792]	6078	[1313, 8698]	9435	[11741, 7963]	12792	[13203, 543]
2722	[4793, 4794]	6079	[8699, 8700]	9436	[6983, 7724]	12793	[13286, 5694]
2723	[4795, 4796]	6080	[1035, 1167]	9437	[5795, 11742]	12794	[13236, 7269]
2724	[4098, 1470]	6081	[8701, 8702]	9438	[11374, 3011]	12795	[6916, 7696]
2725	[4797, 4798]	6082	[8703, 8704]	9439	[7374, 11743]	12796	[2347, 12102]
2726	[1641, 4799]	6083	[8705, 8706]	9440	[6008, 5704]	12797	[7221, 2584]

2727	[4800, 4801]	6084	[5258, 8707]	9441	[11673, 7303]	12798	[11501, 2422]
2728	[4802, 3957]	6085	[8708, 8709]	9442	[6860, 6842]	12799	[12215, 11592]
2729	[4803, 4804]	6086	[8710, 8711]	9443	[11744, 3110]	12800	[12063, 6924]
2730	[4805, 4806]	6087	[84, 4462]	9444	[3021, 6752]	12801	[2748, 7375]
2731	[4807, 4808]	6088	[5121, 8712]	9445	[11745, 11135]	12802	[735, 11670]
2732	[1745, 4809]	6089	[8464, 8713]	9446	[11331, 2650]	12803	[11994, 13287]
2733	[4810, 4811]	6090	[8714, 8715]	9447	[173, 7390]	12804	[6926, 2285]
2734	[4812, 4813]	6091	[8716, 8717]	9448	[7319, 525]	12805	[11590, 11331]
2735	[4814, 4815]	6092	[8718, 8719]	9449	[6819, 6410]	12806	[11242, 7762]
2736	[4200, 4816]	6093	[8720, 5502]	9450	[7547, 7025]	12807	[2620, 11638]
2737	[4817, 4818]	6094	[8721, 8722]	9451	[6309, 11746]	12808	[13243, 3205]
2738	[4819, 4403]	6095	[8723, 8724]	9452	[7793, 11319]	12809	[58, 12037]
2739	[4820, 351]	6096	[8725, 3966]	9453	[11604, 7756]	12810	[13246, 6852]
2740	[4821, 4822]	6097	[4402, 5504]	9454	[11747, 7651]	12811	[11931, 5791]
2741	[4823, 1694]	6098	[8726, 8727]	9455	[11748, 6605]	12812	[38, 13285]
2742	[4824, 4825]	6099	[8728, 4004]	9456	[7028, 603]	12813	[7278, 2444]
2743	[4826, 1587]	6100	[8729, 8730]	9457	[7742, 6629]	12814	[2700, 2446]
2744	[4827, 4828]	6101	[8647, 8731]	9458	[11749, 7060]	12815	[7588, 2787]
2745	[3370, 4829]	6102	[8732, 8733]	9459	[2155, 7503]	12816	[13212, 11938]
2746	[4830, 4831]	6103	[5013, 4776]	9460	[6852, 11731]	12817	[11131, 11553]
2747	[4832, 4833]	6104	[8734, 4473]	9461	[738, 7107]	12818	[11426, 7704]
2748	[4834, 3640]	6105	[257, 8735]	9462	[917, 6524]	12819	[3011, 13251]
2749	[4835, 992]	6106	[8724, 8648]	9463	[7496, 2344]	12820	[11468, 11060]
2750	[4836, 4837]	6107	[8736, 8737]	9464	[7327, 11399]	12821	[13288, 11476]
2751	[4838, 4839]	6108	[8738, 8739]	9465	[11750, 6482]	12822	[779, 5749]
2752	[4840, 4841]	6109	[8740, 477]	9466	[8047, 11751]	12823	[13289, 6144]
2753	[4842, 366]	6110	[4737, 8741]	9467	[6286, 681]	12824	[13290, 768]
2754	[4843, 4844]	6111	[8742, 8284]	9468	[7934, 571]	12825	[6542, 7482]
2755	[4845, 4846]	6112	[8743, 4385]	9469	[11752, 11753]	12826	[11248, 12158]
2756	[4847, 4848]	6113	[8161, 8744]	9470	[7403, 1908]	12827	[6417, 11097]
2757	[4849, 290]	6114	[3597, 4507]	9471	[11754, 3150]	12828	[11447, 11149]
2758	[4850, 422]	6115	[4075, 8745]	9472	[11755, 7186]	12829	[11663, 11677]
2759	[4851, 3784]	6116	[104, 1449]	9473	[6239, 11756]	12830	[7810, 7829]
2760	[4852, 4853]	6117	[8746, 8747]	9474	[11757, 7462]	12831	[7714, 6640]
2761	[4854, 3504]	6118	[8748, 8749]	9475	[5818, 2477]	12832	[11248, 3034]
2762	[4855, 978]	6119	[8750, 8751]	9476	[7275, 947]	12833	[7017, 11683]
2763	[4856, 4857]	6120	[8752, 8753]	9477	[11758, 11220]	12834	[2078, 6146]
2764	[4858, 4859]	6121	[3677, 1118]	9478	[190, 2076]	12835	[8092, 11690]
2765	[4860, 4861]	6122	[4853, 3987]	9479	[6703, 5817]	12836	[2530, 12154]
2766	[4862, 4863]	6123	[3441, 8754]	9480	[11686, 7708]	12837	[13269, 6676]
2767	[4864, 4865]	6124	[5355, 8666]	9481	[2264, 7454]	12838	[2371, 7027]
2768	[96, 4866]	6125	[8755, 8756]	9482	[7038, 5808]	12839	[2443, 11286]
2769	[4867, 4868]	6126	[8757, 8758]	9483	[11759, 11760]	12840	[6823, 1994]
2770	[4869, 4870]	6127	[8759, 1349]	9484	[11167, 11477]	12841	[7757, 11834]

2771	[4871, 4872]	6128	[8268, 8760]	9485	[11666, 7320]	12842	[11985, 12165]
2772	[4873, 4874]	6129	[8761, 8762]	9486	[5696, 7614]	12843	[2958, 7815]
2773	[4875, 4876]	6130	[8763, 8492]	9487	[11761, 7258]	12844	[6234, 11381]
2774	[4877, 4878]	6131	[8764, 8652]	9488	[5965, 11227]	12845	[12138, 11510]
2775	[4879, 1768]	6132	[8765, 8196]	9489	[11762, 2089]	12846	[11583, 11720]
2776	[4023, 1758]	6133	[4725, 8766]	9490	[6273, 7277]	12847	[7168, 13291]
2777	[4880, 1762]	6134	[1763, 8767]	9491	[11414, 7875]	12848	[6142, 7173]
2778	[4881, 3425]	6135	[8768, 8769]	9492	[2539, 11763]	12849	[2590, 12051]
2779	[4882, 4128]	6136	[4966, 1489]	9493	[6310, 11561]	12850	[12142, 11219]
2780	[4883, 4884]	6137	[8770, 4640]	9494	[11162, 3061]	12851	[12056, 7985]
2781	[4885, 4886]	6138	[8771, 8772]	9495	[2734, 631]	12852	[11139, 238]
2782	[4887, 4888]	6139	[8773, 8774]	9496	[2035, 11764]	12853	[12117, 11511]
2783	[4889, 307]	6140	[8775, 8776]	9497	[7788, 6616]	12854	[2164, 11324]
2784	[1482, 4890]	6141	[8777, 3447]	9498	[2512, 3102]	12855	[2335, 7039]
2785	[4891, 4892]	6142	[8778, 8779]	9499	[6905, 2951]	12856	[2342, 13242]
2786	[4893, 4894]	6143	[8780, 3629]	9500	[6267, 6426]	12857	[12119, 6512]
2787	[4895, 4896]	6144	[8781, 8782]	9501	[2277, 11765]	12858	[2716, 11272]
2788	[4897, 4898]	6145	[8783, 1545]	9502	[6257, 11348]	12859	[6157, 12086]
2789	[4899, 4900]	6146	[8784, 8785]	9503	[11766, 6540]	12860	[7353, 2536]
2790	[4901, 4902]	6147	[8786, 8787]	9504	[11767, 6764]	12861	[242, 11613]
2791	[4903, 4904]	6148	[8511, 8788]	9505	[11743, 7185]	12862	[13292, 6121]
2792	[4637, 4905]	6149	[8789, 8790]	9506	[11768, 11769]	12863	[13279, 11660]
2793	[4518, 4906]	6150	[8791, 8792]	9507	[11116, 2982]	12864	[13289, 12010]
2794	[4907, 4908]	6151	[8793, 8794]	9508	[11054, 6803]	12865	[6308, 7641]
2795	[4909, 4910]	6152	[8795, 8796]	9509	[11250, 11770]	12866	[13293, 12095]
2796	[4911, 1860]	6153	[8797, 8461]	9510	[8057, 11771]	12867	[749, 7490]
2797	[4912, 1252]	6154	[8798, 8799]	9511	[11772, 11773]	12868	[13265, 6332]
2798	[4913, 4914]	6155	[1043, 4257]	9512	[2613, 857]	12869	[2060, 8075]
2799	[1054, 4915]	6156	[8800, 3929]	9513	[6933, 2409]	12870	[11302, 13223]
2800	[4916, 4917]	6157	[304, 8801]	9514	[11239, 2130]	12871	[6391, 7438]
2801	[4707, 4918]	6158	[5117, 4577]	9515	[6705, 2110]	12872	[11810, 5961]
2802	[4919, 4920]	6159	[8802, 8803]	9516	[11774, 7180]	12873	[7130, 5735]
2803	[4921, 4922]	6160	[8804, 5053]	9517	[11033, 6177]	12874	[12120, 11999]
2804	[4923, 4924]	6161	[8805, 8806]	9518	[11140, 3040]	12875	[7628, 2622]
2805	[4925, 4926]	6162	[8807, 8808]	9519	[11097, 837]	12876	[13248, 13294]
2806	[4927, 4928]	6163	[8233, 1457]	9520	[2926, 11775]	12877	[13295, 11983]
2807	[4929, 4930]	6164	[8270, 1513]	9521	[6764, 6193]	12878	[13235, 11511]
2808	[3845, 4931]	6165	[8809, 8810]	9522	[6853, 11776]	12879	[13296, 13297]
2809	[4932, 4933]	6166	[8811, 8812]	9523	[11340, 2485]	12880	[2385, 11778]
2810	[4934, 4935]	6167	[8813, 8814]	9524	[11777, 11778]	12881	[6188, 13221]
2811	[4936, 1664]	6168	[4494, 3976]	9525	[11689, 11779]	12882	[631, 12030]
2812	[4354, 4937]	6169	[8815, 4747]	9526	[7634, 11780]	12883	[6637, 8093]
2813	[4938, 4939]	6170	[3403, 1219]	9527	[2871, 5878]	12884	[11801, 6226]
2814	[4940, 4941]	6171	[3399, 8816]	9528	[11152, 11781]	12885	[11500, 13298]

2815	[4942, 4943]	6172	[3401, 8817]	9529	[5850, 11146]	12886	[13280, 11384]
2816	[4944, 4945]	6173	[8818, 8819]	9530	[11633, 11782]	12887	[13299, 11175]
2817	[4946, 4947]	6174	[8820, 8821]	9531	[11148, 11783]	12888	[13296, 12161]
2818	[4948, 4949]	6175	[8822, 5340]	9532	[5939, 3095]	12889	[11716, 6083]
2819	[4950, 4951]	6176	[8823, 3903]	9533	[6490, 2138]	12890	[8051, 13300]
2820	[4952, 4953]	6177	[8824, 4515]	9534	[2630, 7624]	12891	[12035, 7857]
2821	[4954, 4955]	6178	[68, 8825]	9535	[2518, 5922]	12892	[11969, 13197]
2822	[4956, 4957]	6179	[3855, 8826]	9536	[6521, 11665]	12893	[7043, 6798]
2823	[3769, 4958]	6180	[8827, 8828]	9537	[6149, 239]	12894	[6840, 12104]
2824	[4959, 4960]	6181	[8829, 8830]	9538	[11784, 11785]	12895	[7609, 11965]
2825	[983, 4961]	6182	[3283, 8831]	9539	[2092, 6446]	12896	[12032, 11547]
2826	[4962, 4963]	6183	[8832, 8833]	9540	[603, 7972]	12897	[7656, 13300]
2827	[4964, 3691]	6184	[8834, 8835]	9541	[6629, 11786]	12898	[622, 7207]
2828	[4965, 4966]	6185	[8836, 3451]	9542	[7613, 11787]	12899	[11357, 11575]
2829	[4967, 4968]	6186	[8837, 8838]	9543	[7321, 2066]	12900	[11940, 11126]
2830	[1718, 4969]	6187	[8839, 8840]	9544	[3082, 11788]	12901	[11711, 7330]
2831	[1532, 4970]	6188	[8841, 8842]	9545	[6807, 2905]	12902	[848, 11252]
2832	[4971, 4972]	6189	[8843, 8844]	9546	[11630, 2508]	12903	[12016, 11968]
2833	[4930, 4851]	6190	[8845, 5166]	9547	[11720, 11789]	12904	[11427, 2898]
2834	[285, 4973]	6191	[8846, 8847]	9548	[7350, 2166]	12905	[7410, 13301]
2835	[4974, 4975]	6192	[5366, 8848]	9549	[11790, 2471]	12906	[11420, 11696]
2836	[4976, 4977]	6193	[8849, 8650]	9550	[11791, 938]	12907	[7747, 8001]
2837	[4978, 4979]	6194	[8850, 8851]	9551	[6064, 1986]	12908	[11512, 12040]
2838	[3790, 4980]	6195	[1424, 8852]	9552	[6292, 2213]	12909	[13232, 11411]
2839	[4981, 4982]	6196	[8853, 8854]	9553	[2683, 7746]	12910	[821, 13302]
2840	[4474, 4983]	6197	[1212, 4118]	9554	[11749, 2841]	12911	[2419, 12014]
2841	[4984, 4551]	6198	[8855, 8856]	9555	[11792, 3278]	12912	[3110, 12170]
2842	[4985, 4986]	6199	[8857, 8791]	9556	[11075, 11793]	12913	[7837, 13303]
2843	[1512, 4802]	6200	[8858, 8859]	9557	[11794, 2415]	12914	[11366, 1871]
2844	[4987, 372]	6201	[8860, 8861]	9558	[11795, 11796]	12915	[11334, 11252]
2845	[4988, 4989]	6202	[8862, 8311]	9559	[678, 11797]	12916	[11568, 7573]
2846	[4990, 1542]	6203	[8863, 8864]	9560	[8039, 7941]	12917	[11955, 11909]
2847	[4027, 1227]	6204	[8865, 8866]	9561	[2240, 6203]	12918	[12143, 1880]
2848	[4991, 4992]	6205	[8867, 8868]	9562	[6857, 11798]	12919	[11656, 6655]
2849	[3602, 4993]	6206	[8869, 8870]	9563	[11158, 7537]	12920	[2227, 6371]
2850	[3775, 4994]	6207	[8871, 3754]	9564	[11799, 2165]	12921	[7075, 13189]
2851	[4995, 4996]	6208	[8872, 8873]	9565	[6784, 11800]	12922	[11846, 2975]
2852	[4997, 4998]	6209	[8874, 8875]	9566	[6296, 6548]	12923	[12184, 13304]
2853	[4999, 5000]	6210	[8876, 5302]	9567	[11801, 2149]	12924	[11966, 13305]
2854	[5001, 5002]	6211	[8877, 4024]	9568	[7662, 11705]	12925	[7354, 8076]
2855	[5003, 5004]	6212	[8878, 8879]	9569	[7882, 11229]	12926	[11827, 13306]
2856	[5005, 5006]	6213	[8880, 8881]	9570	[11274, 6790]	12927	[12113, 11664]
2857	[5007, 1400]	6214	[3669, 8882]	9571	[859, 655]	12928	[12218, 11996]
2858	[5008, 5009]	6215	[5499, 8883]	9572	[11802, 2401]	12929	[13307, 13276]

2859	[5010, 5011]	6216	[1815, 5479]	9573	[7326, 11035]	12930	[2069, 8065]
2860	[5012, 5013]	6217	[1456, 4357]	9574	[514, 712]	12931	[11667, 7562]
2861	[490, 5014]	6218	[8884, 8885]	9575	[5712, 11165]	12932	[13268, 11321]
2862	[5015, 5016]	6219	[4508, 8886]	9576	[6691, 11672]	12933	[231, 7782]
2863	[5017, 5018]	6220	[8887, 8888]	9577	[11803, 11804]	12934	[1943, 7194]
2864	[5019, 5020]	6221	[1265, 4842]	9578	[160, 6077]	12935	[8016, 11318]
2865	[5021, 5022]	6222	[8889, 5585]	9579	[11805, 7477]	12936	[7901, 11997]
2866	[5023, 4193]	6223	[8890, 8891]	9580	[2443, 11806]	12937	[7054, 2454]
2867	[5024, 5025]	6224	[8892, 8893]	9581	[2483, 11807]	12938	[7856, 12036]
2868	[5026, 5027]	6225	[4327, 8894]	9582	[11808, 7459]	12939	[11023, 850]
2869	[5028, 5029]	6226	[8895, 8896]	9583	[11809, 884]	12940	[13308, 2702]
2870	[5030, 5031]	6227	[8897, 8898]	9584	[11810, 62]	12941	[7633, 6071]
2871	[5032, 5033]	6228	[8899, 8900]	9585	[11678, 2393]	12942	[11811, 557]
2872	[1689, 5034]	6229	[8901, 8902]	9586	[11811, 1981]	12943	[6491, 11746]
2873	[5035, 4227]	6230	[8903, 8904]	9587	[11774, 5707]	12944	[13199, 12195]
2874	[4502, 3300]	6231	[8905, 8906]	9588	[11555, 11019]	12945	[11470, 11899]
2875	[5036, 5037]	6232	[8907, 8908]	9589	[11812, 8072]	12946	[13248, 12166]
2876	[5038, 5039]	6233	[8909, 8802]	9590	[11813, 2059]	12947	[13210, 2775]
2877	[4683, 5040]	6234	[8910, 8911]	9591	[8060, 5723]	12948	[7113, 11924]
2878	[5041, 5042]	6235	[8385, 8912]	9592	[7848, 11800]	12949	[7600, 6722]
2879	[4671, 3663]	6236	[8913, 8914]	9593	[5959, 11456]	12950	[12112, 11775]
2880	[5043, 5044]	6237	[8915, 8916]	9594	[3005, 7055]	12951	[2632, 5780]
2881	[5045, 5046]	6238	[8917, 8918]	9595	[762, 6074]	12952	[7749, 573]
2882	[5047, 5048]	6239	[8919, 4237]	9596	[5766, 6163]	12953	[6204, 11645]
2883	[5049, 5050]	6240	[8920, 8921]	9597	[2730, 11814]	12954	[3216, 6424]
2884	[3992, 5051]	6241	[8922, 5126]	9598	[11445, 2928]	12955	[7288, 13211]
2885	[5052, 1061]	6242	[8923, 8813]	9599	[6074, 11341]	12956	[11756, 2394]
2886	[5053, 5054]	6243	[8924, 8736]	9600	[11815, 6425]	12957	[5773, 13237]
2887	[5055, 5056]	6244	[5070, 8925]	9601	[11535, 2450]	12958	[7175, 2155]
2888	[4951, 5057]	6245	[8653, 8926]	9602	[8052, 3108]	12959	[7172, 7025]
2889	[5058, 5059]	6246	[381, 4766]	9603	[7586, 528]	12960	[12133, 12215]
2890	[5060, 5061]	6247	[1430, 8927]	9604	[11816, 11817]	12961	[12145, 13187]
2891	[5062, 5063]	6248	[1311, 8928]	9605	[11818, 7360]	12962	[11071, 3203]
2892	[5064, 5065]	6249	[8397, 8929]	9606	[11819, 11820]	12963	[6407, 11976]
2893	[5066, 1781]	6250	[8930, 8931]	9607	[965, 7890]	12964	[606, 7153]
2894	[5067, 5068]	6251	[8932, 8933]	9608	[11704, 5978]	12965	[6135, 6746]
2895	[5069, 5070]	6252	[8934, 8935]	9609	[11821, 2993]	12966	[11328, 12056]
2896	[5071, 5072]	6253	[8936, 8937]	9610	[2348, 11822]	12967	[245, 5831]
2897	[5073, 5074]	6254	[1673, 8938]	9611	[11077, 11823]	12968	[6514, 12033]
2898	[3675, 5075]	6255	[8939, 8940]	9612	[11824, 6486]	12969	[2397, 13309]
2899	[5076, 4534]	6256	[8941, 3377]	9613	[8, 2581]	12970	[11643, 2491]
2900	[5077, 5078]	6257	[3381, 8942]	9614	[10, 6604]	12971	[11671, 11097]
2901	[5079, 5080]	6258	[8943, 8944]	9615	[6440, 6804]	12972	[12178, 6503]
2902	[369, 5081]	6259	[8945, 8946]	9616	[33, 6177]	12973	[6195, 7870]

2903	[5082, 5083]	6260	[8947, 8582]	9617	[11825, 11826]	12974	[13310, 13311]
2904	[5084, 5085]	6261	[3645, 8948]	9618	[11827, 11828]	12975	[2737, 11486]
2905	[5086, 5087]	6262	[8949, 8950]	9619	[5836, 11592]	12976	[11052, 11769]
2906	[5088, 342]	6263	[8951, 8952]	9620	[641, 11788]	12977	[54, 7064]
2907	[5089, 5090]	6264	[8953, 8954]	9621	[11688, 7198]	12978	[2875, 7081]
2908	[5091, 5092]	6265	[8955, 8956]	9622	[2285, 7671]	12979	[747, 11875]
2909	[5093, 5094]	6266	[4786, 8957]	9623	[11829, 11541]	12980	[11263, 11204]
2910	[5095, 4268]	6267	[4486, 4909]	9624	[3084, 6968]	12981	[11624, 7264]
2911	[1334, 5096]	6268	[8958, 8959]	9625	[11830, 7700]	12982	[7712, 5825]
2912	[5097, 3896]	6269	[1360, 5202]	9626	[2152, 11133]	12983	[7046, 13258]
2913	[5098, 5099]	6270	[5560, 8960]	9627	[11571, 11363]	12984	[11365, 3226]
2914	[5100, 5101]	6271	[8961, 8962]	9628	[2639, 2067]	12985	[13312, 11089]
2915	[5102, 5103]	6272	[8963, 8964]	9629	[2011, 6801]	12986	[13286, 2975]
2916	[5104, 3365]	6273	[8965, 8966]	9630	[3152, 11831]	12987	[6439, 11323]
2917	[5105, 3367]	6274	[8374, 8967]	9631	[663, 6857]	12988	[2687, 189]
2918	[5106, 5107]	6275	[987, 4201]	9632	[5978, 11064]	12989	[7913, 3003]
2919	[5108, 5109]	6276	[3395, 8968]	9633	[11832, 754]	12990	[701, 11559]
2920	[5110, 5111]	6277	[8969, 8970]	9634	[2879, 7397]	12991	[6644, 2200]
2921	[3719, 4161]	6278	[429, 8971]	9635	[11833, 11763]	12992	[13313, 13267]
2922	[5112, 5113]	6279	[4754, 4503]	9636	[11310, 11834]	12993	[11926, 7436]
2923	[1484, 5114]	6280	[8972, 8631]	9637	[7259, 11131]	12994	[7341, 6106]
2924	[3798, 5115]	6281	[8973, 8480]	9638	[11032, 11835]	12995	[12188, 13248]
2925	[5116, 5117]	6282	[4742, 8974]	9639	[7819, 6458]	12996	[2339, 3125]
2926	[5118, 5119]	6283	[8975, 8976]	9640	[6553, 7071]	12997	[782, 7353]
2927	[5120, 5121]	6284	[8694, 8729]	9641	[5832, 7957]	12998	[11886, 7874]
2928	[5122, 5123]	6285	[8977, 4734]	9642	[732, 6419]	12999	[12223, 2701]
2929	[5124, 5125]	6286	[8864, 8978]	9643	[2297, 6698]	13000	[872, 5714]
2930	[5126, 5127]	6287	[8979, 8980]	9644	[6589, 11132]	13001	[6730, 6156]
2931	[5128, 5129]	6288	[8981, 8982]	9645	[8086, 5998]	13002	[6762, 6145]
2932	[5130, 5131]	6289	[8983, 8984]	9646	[11602, 6552]	13003	[11394, 12003]
2933	[5132, 5133]	6290	[259, 8985]	9647	[2570, 11836]	13004	[185, 6095]
2934	[5134, 5132]	6291	[8986, 8987]	9648	[2760, 11837]	13005	[13292, 2891]
2935	[5135, 5136]	6292	[8988, 4856]	9649	[11838, 11839]	13006	[6048, 2483]
2936	[5137, 5138]	6293	[8989, 8990]	9650	[7980, 11789]	13007	[13283, 5828]
2937	[5139, 5001]	6294	[8991, 8992]	9651	[6719, 7872]	13008	[190, 247]
2938	[5140, 5141]	6295	[8993, 324]	9652	[7524, 6728]	13009	[12054, 6116]
2939	[5142, 5143]	6296	[8838, 8994]	9653	[3260, 11840]	13010	[6609, 7274]
2940	[5144, 4732]	6297	[8995, 8996]	9654	[2777, 6523]	13011	[11115, 2689]
2941	[5145, 5146]	6298	[453, 8997]	9655	[6751, 3022]	13012	[6529, 6459]
2942	[308, 5147]	6299	[5197, 3770]	9656	[6782, 11702]	13013	[2722, 11998]
2943	[5148, 5149]	6300	[8998, 8999]	9657	[971, 11841]	13014	[6180, 12167]
2944	[1141, 5150]	6301	[8421, 8991]	9658	[809, 11842]	13015	[2800, 3265]
2945	[5151, 5152]	6302	[9000, 8601]	9659	[195, 5800]	13016	[11176, 6814]
2946	[5153, 1515]	6303	[9001, 9002]	9660	[11843, 511]	13017	[11754, 7305]

2947	[5154, 3617]	6304	[9003, 9004]	9661	[528, 7373]	13018	[11347, 2900]
2948	[3626, 5155]	6305	[353, 4388]	9662	[11844, 141]	13019	[233, 12141]
2949	[5156, 1416]	6306	[9005, 9006]	9663	[11845, 7574]	13020	[13314, 8092]
2950	[4998, 5157]	6307	[5392, 9007]	9664	[11809, 7706]	13021	[12213, 13304]
2951	[5158, 5159]	6308	[9008, 9009]	9665	[7765, 2703]	13022	[13249, 8074]
2952	[5160, 5161]	6309	[5101, 9010]	9666	[3107, 2438]	13023	[616, 782]
2953	[5162, 1359]	6310	[287, 8656]	9667	[6022, 7808]	13024	[6981, 2153]
2954	[4799, 5163]	6311	[9011, 8138]	9668	[6381, 763]	13025	[8040, 12216]
2955	[5164, 5165]	6312	[9012, 8910]	9669	[6969, 6734]	13026	[7002, 11836]
2956	[5166, 5167]	6313	[8844, 9013]	9670	[11846, 5694]	13027	[8096, 11609]
2957	[5168, 5169]	6314	[8407, 9014]	9671	[6086, 8068]	13028	[11581, 2984]
2958	[5170, 5171]	6315	[9015, 9016]	9672	[898, 11847]	13029	[5828, 11724]
2959	[5172, 5173]	6316	[9017, 9018]	9673	[7005, 6750]	13030	[2748, 5890]
2960	[5174, 5175]	6317	[9019, 9020]	9674	[911, 182]	13031	[6071, 11780]
2961	[5176, 5177]	6318	[9021, 9022]	9675	[11848, 7246]	13032	[6073, 6878]
2962	[5178, 5179]	6319	[9023, 8862]	9676	[11849, 6265]	13033	[11934, 11753]
2963	[5180, 5181]	6320	[9024, 4475]	9677	[11341, 8019]	13034	[6730, 6450]
2964	[5182, 5183]	6321	[9025, 1672]	9678	[11056, 6633]	13035	[13315, 11811]
2965	[5184, 5185]	6322	[9026, 9027]	9679	[11728, 11850]	13036	[11741, 7166]
2966	[5186, 5187]	6323	[9028, 1491]	9680	[7573, 7480]	13037	[11819, 13316]
2967	[5188, 5189]	6324	[9029, 9030]	9681	[11851, 3093]	13038	[7640, 11959]
2968	[5190, 3315]	6325	[9031, 9032]	9682	[11852, 11079]	13039	[11983, 2212]
2969	[5191, 5192]	6326	[9033, 9034]	9683	[2427, 6769]	13040	[6769, 7149]
2970	[5193, 328]	6327	[8856, 9035]	9684	[11853, 11474]	13041	[2459, 7344]
2971	[5194, 5195]	6328	[3577, 8795]	9685	[11507, 7243]	13042	[5997, 7627]
2972	[5196, 5197]	6329	[9036, 9037]	9686	[11854, 5926]	13043	[12136, 13311]
2973	[5198, 5199]	6330	[9038, 9039]	9687	[5785, 11855]	13044	[12063, 11670]
2974	[5200, 5201]	6331	[9040, 9041]	9688	[11856, 1923]	13045	[6765, 12221]
2975	[5202, 5203]	6332	[9042, 9043]	9689	[11857, 7179]	13046	[13317, 11583]
2976	[5204, 5205]	6333	[3320, 9044]	9690	[1979, 2993]	13047	[13266, 13318]
2977	[1803, 5206]	6334	[5161, 9045]	9691	[7296, 606]	13048	[794, 12029]
2978	[5096, 5207]	6335	[9046, 1575]	9692	[11091, 11247]	13049	[11151, 187]
2979	[5208, 5209]	6336	[9047, 9048]	9693	[11858, 2624]	13050	[13319, 13226]
2980	[5210, 5211]	6337	[9049, 9050]	9694	[1961, 711]	13051	[2877, 13239]
2981	[5212, 5213]	6338	[9051, 9052]	9695	[6423, 3217]	13052	[13308, 7765]
2982	[5214, 5215]	6339	[9053, 9054]	9696	[181, 11859]	13053	[2285, 6607]
2983	[3435, 3927]	6340	[9055, 9056]	9697	[11362, 11572]	13054	[726, 3086]
2984	[5216, 5217]	6341	[9057, 9058]	9698	[7640, 7532]	13055	[12172, 2262]
2985	[5218, 4934]	6342	[9059, 8211]	9699	[688, 2407]	13056	[6778, 7140]
2986	[5219, 5220]	6343	[8505, 4608]	9700	[8064, 2070]	13057	[12151, 5988]
2987	[1818, 4575]	6344	[9060, 5418]	9701	[7930, 856]	13058	[12226, 848]
2988	[478, 5221]	6345	[9061, 1706]	9702	[7777, 7127]	13059	[13255, 3233]
2989	[1113, 5222]	6346	[1037, 1481]	9703	[11405, 11499]	13060	[11488, 11063]
2990	[5223, 5224]	6347	[9062, 9063]	9704	[2943, 2252]	13061	[11099, 11231]

2991	[5225, 436]	6348	[9064, 1144]	9705	[11860, 6808]	13062	[11514, 6686]
2992	[5226, 5227]	6349	[9065, 9066]	9706	[11654, 11735]	13063	[7493, 7792]
2993	[5228, 5229]	6350	[5477, 9067]	9707	[6550, 792]	13064	[11082, 190]
2994	[3494, 4932]	6351	[9068, 9069]	9708	[2739, 196]	13065	[6720, 13209]
2995	[1438, 5230]	6352	[9070, 9071]	9709	[2895, 6243]	13066	[2872, 7312]
2996	[4989, 5231]	6353	[8946, 9072]	9710	[5928, 3035]	13067	[2394, 7908]
2997	[5232, 5233]	6354	[9073, 9074]	9711	[6693, 7070]	13068	[11109, 7108]
2998	[5234, 4684]	6355	[9075, 5073]	9712	[6635, 5951]	13069	[7122, 769]
2999	[5235, 5236]	6356	[9076, 4235]	9713	[11727, 2496]	13070	[13233, 13238]
3000	[5237, 5238]	6357	[9077, 9078]	9714	[11861, 2498]	13071	[3006, 13198]
3001	[5239, 3722]	6358	[9079, 5225]	9715	[2105, 7322]	13072	[5987, 7572]
3002	[5240, 4145]	6359	[355, 5469]	9716	[3160, 11862]	13073	[12055, 7054]
3003	[5241, 5242]	6360	[8547, 9080]	9717	[11145, 588]	13074	[6270, 13320]
3004	[5243, 5244]	6361	[1317, 9081]	9718	[11863, 11690]	13075	[6667, 13321]
3005	[5245, 5246]	6362	[9082, 406]	9719	[723, 2303]	13076	[7033, 7486]
3006	[5247, 5248]	6363	[9083, 9084]	9720	[972, 11830]	13077	[11321, 11464]
3007	[5249, 5250]	6364	[9085, 9086]	9721	[6013, 554]	13078	[7339, 11546]
3008	[4431, 5251]	6365	[9087, 9088]	9722	[2505, 11267]	13079	[11870, 11262]
3009	[5252, 5253]	6366	[9089, 9090]	9723	[2755, 11839]	13080	[6039, 11737]
3010	[5254, 5255]	6367	[9091, 9092]	9724	[11744, 1912]	13081	[6076, 6654]
3011	[5256, 75]	6368	[9093, 9094]	9725	[5823, 6581]	13082	[11424, 7769]
3012	[3424, 4381]	6369	[3803, 9095]	9726	[11725, 6664]	13083	[11228, 11713]
3013	[5257, 5258]	6370	[9096, 9097]	9727	[6537, 5699]	13084	[11155, 12229]
3014	[5259, 4650]	6371	[3936, 9098]	9728	[6824, 1995]	13085	[13313, 13318]
3015	[5260, 5261]	6372	[3938, 9099]	9729	[6994, 6791]	13086	[11548, 7668]
3016	[5262, 5263]	6373	[9100, 1666]	9730	[6950, 6437]	13087	[3219, 7146]
3017	[5264, 5265]	6374	[9101, 370]	9731	[864, 6511]	13088	[882, 2171]
3018	[5266, 5267]	6375	[5236, 5289]	9732	[50, 11723]	13089	[7059, 2506]
3019	[3490, 5268]	6376	[5238, 3925]	9733	[11864, 5731]	13090	[862, 13291]
3020	[5269, 5270]	6377	[3878, 9102]	9734	[11772, 11865]	13091	[11083, 11893]
3021	[5271, 5272]	6378	[9103, 9104]	9735	[7178, 7464]	13092	[7606, 225]
3022	[5273, 5274]	6379	[9105, 9106]	9736	[8014, 11866]	13093	[11448, 13214]
3023	[5275, 5276]	6380	[1011, 1474]	9737	[872, 11867]	13094	[11143, 13302]
3024	[5277, 5278]	6381	[8997, 8127]	9738	[7423, 7686]	13095	[13200, 13306]
3025	[5279, 5280]	6382	[4146, 9107]	9739	[2027, 11868]	13096	[7034, 12076]
3026	[5281, 5282]	6383	[4142, 9108]	9740	[7093, 11869]	13097	[6164, 11184]
3027	[5283, 5284]	6384	[8520, 8887]	9741	[11183, 7238]	13098	[2506, 11268]
3028	[5285, 5286]	6385	[9109, 9110]	9742	[2004, 11787]	13099	[12099, 11382]
3029	[5287, 5288]	6386	[8512, 9111]	9743	[11870, 6558]	13100	[11861, 6395]
3030	[5289, 450]	6387	[9112, 9113]	9744	[3177, 869]	13101	[2471, 11622]
3031	[1299, 5290]	6388	[9114, 4191]	9745	[5726, 636]	13102	[6842, 750]
3032	[5291, 5292]	6389	[9115, 9116]	9746	[7559, 2761]	13103	[13192, 2870]
3033	[5293, 5294]	6390	[8468, 8188]	9747	[6378, 6805]	13104	[13319, 13322]
3034	[5295, 5296]	6391	[9117, 9118]	9748	[11871, 8066]	13105	[6673, 12044]

3035	[5297, 5298]	6392	[9119, 9120]	9749	[11872, 11820]	13106	[7377, 11036]
3036	[1285, 5299]	6393	[9121, 1559]	9750	[2006, 6422]	13107	[2109, 11878]
3037	[5300, 4211]	6394	[9122, 9123]	9751	[7871, 11726]	13108	[38, 11034]
3038	[4228, 5301]	6395	[9124, 9125]	9752	[762, 536]	13109	[7284, 2574]
3039	[5302, 5303]	6396	[9126, 9127]	9753	[7095, 6602]	13110	[13323, 6866]
3040	[5304, 5305]	6397	[9128, 5372]	9754	[2845, 11669]	13111	[2460, 1981]
3041	[3527, 5306]	6398	[9129, 3842]	9755	[11873, 2376]	13112	[6079, 11979]
3042	[5307, 5308]	6399	[9130, 1731]	9756	[11874, 3186]	13113	[144, 7860]
3043	[5309, 5310]	6400	[9131, 9132]	9757	[6079, 11875]	13114	[7027, 7215]
3044	[5311, 5312]	6401	[5662, 9133]	9758	[6190, 11655]	13115	[13324, 12140]
3045	[5313, 3808]	6402	[9066, 9134]	9759	[11876, 7114]	13116	[11511, 2797]
3046	[5314, 3347]	6403	[9135, 9136]	9760	[11877, 2189]	13117	[11324, 6451]
3047	[5315, 5316]	6404	[9137, 9138]	9761	[560, 6016]	13118	[13325, 3155]
3048	[5317, 5318]	6405	[9139, 9140]	9762	[6210, 743]	13119	[13186, 12146]
3049	[5319, 5320]	6406	[5602, 9141]	9763	[11626, 11878]	13120	[11174, 13326]
3050	[4163, 5321]	6407	[9142, 9143]	9764	[2923, 2101]	13121	[2260, 11242]
3051	[5322, 5323]	6408	[9144, 9145]	9765	[11623, 6012]	13122	[6440, 6378]
3052	[5324, 5325]	6409	[9146, 9147]	9766	[11805, 2600]	13123	[6654, 7120]
3053	[5326, 5327]	6410	[8356, 5137]	9767	[6677, 11424]	13124	[11390, 6004]
3054	[5328, 5329]	6411	[9148, 8439]	9768	[11879, 2737]	13125	[2520, 13219]
3055	[5330, 5331]	6412	[9149, 9150]	9769	[11880, 11881]	13126	[12139, 13263]
3056	[5332, 5333]	6413	[9151, 8682]	9770	[6598, 2195]	13127	[7998, 7771]
3057	[3637, 1751]	6414	[9152, 3892]	9771	[6867, 11882]	13128	[2816, 6468]
3058	[5334, 5335]	6415	[9153, 9154]	9772	[11883, 7835]	13129	[6818, 6688]
3059	[5336, 5337]	6416	[9155, 9156]	9773	[7292, 6617]	13130	[7701, 12052]
3060	[5338, 5339]	6417	[3795, 9157]	9774	[7533, 2666]	13131	[12100, 12095]
3061	[5340, 5341]	6418	[9158, 9159]	9775	[2265, 6241]	13132	[13310, 12137]
3062	[5342, 5343]	6419	[9160, 8858]	9776	[7796, 2997]	13133	[6981, 5771]
3063	[5344, 5345]	6420	[9161, 9162]	9777	[7705, 11604]	13134	[13327, 11261]
3064	[3294, 5097]	6421	[9163, 9164]	9778	[11884, 11885]	13135	[13327, 12123]
3065	[5346, 5347]	6422	[1162, 9165]	9779	[5879, 7313]	13136	[7963, 7970]
3066	[5348, 5349]	6423	[9166, 9167]	9780	[7089, 1988]	13137	[2382, 7256]
3067	[5350, 5351]	6424	[9168, 3415]	9781	[751, 11886]	13138	[12079, 13328]
3068	[5352, 5353]	6425	[4421, 9169]	9782	[574, 11887]	13139	[11722, 11074]
3069	[5354, 5355]	6426	[5565, 9170]	9783	[11636, 11376]	13140	[13196, 11720]
3070	[5356, 5357]	6427	[9171, 9172]	9784	[6857, 11888]	13141	[13329, 5911]
3071	[5358, 5359]	6428	[9173, 4405]	9785	[11487, 11747]	13142	[5834, 12210]
3072	[4977, 5360]	6429	[9174, 9175]	9786	[11588, 6850]	13143	[12190, 12091]
3073	[5361, 5362]	6430	[9176, 105]	9787	[2462, 2169]	13144	[13317, 13196]
3074	[4555, 5363]	6431	[9177, 9178]	9788	[7416, 7108]	13145	[7882, 2131]
3075	[4567, 5364]	6432	[9179, 9180]	9789	[7767, 6033]	13146	[13284, 12127]
3076	[5365, 5366]	6433	[9181, 9182]	9790	[6070, 2767]	13147	[11083, 8020]
3077	[3811, 4593]	6434	[9183, 9184]	9791	[2027, 6585]	13148	[13290, 7122]
3078	[5367, 5368]	6435	[9185, 4883]	9792	[40, 2306]	13149	[7721, 7599]

3079	[3934, 4083]	6436	[9186, 9187]	9793	[131, 2721]	13150	[11872, 13316]
3080	[5369, 5370]	6437	[3529, 8612]	9794	[6460, 593]	13151	[2506, 12164]
3081	[5371, 1411]	6438	[8372, 5534]	9795	[11410, 11889]	13152	[6890, 7091]
3082	[5372, 5373]	6439	[9188, 4216]	9796	[11824, 650]	13153	[11393, 7387]
3083	[4918, 5235]	6440	[9189, 9190]	9797	[5984, 7148]	13154	[12160, 13297]
3084	[5374, 5375]	6441	[9191, 9192]	9798	[11890, 7952]	13155	[2454, 6348]
3085	[3898, 3388]	6442	[9193, 9194]	9799	[6048, 6043]	13156	[7630, 11314]
3086	[5376, 5377]	6443	[9195, 8371]	9800	[11891, 2589]	13157	[6558, 11981]
3087	[5378, 5379]	6444	[3531, 9196]	9801	[11796, 1976]	13158	[11184, 784]
3088	[5380, 1535]	6445	[4691, 9197]	9802	[11892, 7143]	13159	[13191, 13330]
3089	[5381, 1468]	6446	[9198, 9199]	9803	[7862, 245]	13160	[11851, 6183]
3090	[5382, 5383]	6447	[3806, 9200]	9804	[6959, 11893]	13161	[228, 13250]
3091	[3681, 5036]	6448	[9201, 3355]	9805	[11125, 11894]	13162	[12001, 6302]
3092	[5384, 5385]	6449	[9202, 5228]	9806	[7190, 6793]	13163	[11568, 7365]
3093	[3426, 5386]	6450	[8810, 5122]	9807	[2034, 744]	13164	[6475, 8039]
3094	[4746, 5387]	6451	[3821, 9203]	9808	[2474, 11895]	13165	[768, 2014]
3095	[5388, 5389]	6452	[9204, 9205]	9809	[11896, 5824]	13166	[233, 13328]
3096	[5390, 5223]	6453	[9206, 9207]	9810	[8071, 11897]	13167	[12125, 6705]
3097	[5391, 5392]	6454	[1759, 8514]	9811	[6102, 11557]	13168	[6866, 7684]
3098	[5393, 5394]	6455	[9208, 5184]	9812	[11335, 11898]	13169	[12097, 13241]
3099	[5395, 5396]	6456	[9209, 5277]	9813	[6686, 8081]	13170	[11407, 13331]
3100	[5397, 5398]	6457	[9210, 9211]	9814	[6769, 11059]	13171	[7844, 6634]
3101	[5399, 4978]	6458	[9212, 1104]	9815	[750, 7168]	13172	[6998, 6798]
3102	[5400, 5401]	6459	[9213, 9214]	9816	[6255, 11154]	13173	[7650, 7847]
3103	[5402, 5403]	6460	[9215, 9216]	9817	[7156, 7836]	13174	[13325, 11179]
3104	[5404, 5405]	6461	[9217, 9218]	9818	[2025, 7864]	13175	[11382, 8062]
3105	[5406, 5407]	6462	[8735, 3731]	9819	[2181, 11899]	13176	[6625, 7374]
3106	[5408, 4942]	6463	[9219, 9220]	9820	[6971, 11900]	13177	[11981, 6928]
3107	[4986, 3533]	6464	[9221, 9222]	9821	[5711, 11901]	13178	[7720, 2775]
3108	[5409, 5410]	6465	[3756, 4921]	9822	[6564, 6838]	13179	[6350, 12148]
3109	[5411, 3375]	6466	[9223, 5610]	9823	[6171, 11077]	13180	[13193, 6118]
3110	[5412, 5413]	6467	[9224, 5226]	9824	[8080, 11301]	13181	[11843, 6861]
3111	[5414, 5415]	6468	[3511, 9225]	9825	[7013, 11902]	13182	[13225, 13322]
3112	[5416, 5417]	6469	[4945, 9226]	9826	[633, 11589]	13183	[2287, 11622]
3113	[5418, 5419]	6470	[1490, 9227]	9827	[11903, 11528]	13184	[12111, 7032]
3114	[5420, 1084]	6471	[9228, 5172]	9828	[6193, 11292]	13185	[13332, 5399]
3115	[5421, 5422]	6472	[9229, 9230]	9829	[11904, 7360]	13186	[12955, 13333]
3116	[5423, 5424]	6473	[9231, 1221]	9830	[11905, 6866]	13187	[13334, 12980]
3117	[1372, 5425]	6474	[9232, 9233]	9831	[11906, 11907]	13188	[4970, 3887]
3118	[5426, 5427]	6475	[9234, 9235]	9832	[137, 692]	13189	[4773, 13335]
3119	[5428, 5429]	6476	[8595, 4012]	9833	[2062, 11908]	13190	[5177, 13336]
3120	[5430, 5431]	6477	[9236, 9237]	9834	[11821, 1980]	13191	[13337, 10141]
3121	[5432, 5433]	6478	[9238, 5154]	9835	[11909, 7861]	13192	[4260, 1160]
3122	[5434, 5435]	6479	[9239, 4114]	9836	[7201, 6132]	13193	[13338, 13339]

3123	[4680, 5436]	6480	[9240, 9241]	9837	[7587, 5872]	13194	[13340, 73]
3124	[82, 5437]	6481	[397, 9242]	9838	[11256, 2511]	13195	[8806, 1459]
3125	[5438, 5439]	6482	[9243, 8267]	9839	[6861, 512]	13196	[5370, 12900]
3126	[5440, 5441]	6483	[9244, 9245]	9840	[7059, 11267]	13197	[8116, 4834]
3127	[4953, 5442]	6484	[4894, 9246]	9841	[11381, 6127]	13198	[13341, 12537]
3128	[5443, 5444]	6485	[8745, 5510]	9842	[12, 7175]	13199	[13342, 13012]
3129	[5445, 5446]	6486	[9247, 9248]	9843	[6205, 2676]	13200	[13343, 13344]
3130	[5447, 5448]	6487	[9249, 299]	9844	[11910, 11911]	13201	[12828, 9206]
3131	[5449, 5450]	6488	[3847, 9083]	9845	[674, 11912]	13202	[10036, 13345]
3132	[5451, 5452]	6489	[9250, 9251]	9846	[11913, 11914]	13203	[13346, 9015]
3133	[5453, 5454]	6490	[9252, 9253]	9847	[1937, 11897]	13204	[13347, 8981]
3134	[5141, 5455]	6491	[9254, 9255]	9848	[11224, 180]	13205	[3943, 8993]
3135	[5456, 5457]	6492	[9256, 9257]	9849	[11915, 11198]	13206	[12672, 3689]
3136	[5458, 5459]	6493	[9258, 9244]	9850	[11200, 11422]	13207	[9350, 9409]
3137	[5460, 448]	6494	[9259, 1822]	9851	[6432, 738]	13208	[10118, 12372]
3138	[5461, 5462]	6495	[9260, 5198]	9852	[7187, 11658]	13209	[9141, 9917]
3139	[5463, 5464]	6496	[4269, 4030]	9853	[8097, 11484]	13210	[1123, 10643]
3140	[5465, 5466]	6497	[9261, 9262]	9854	[7100, 11673]	13211	[13348, 4901]
3141	[5467, 5468]	6498	[9263, 9264]	9855	[252, 2379]	13212	[10292, 13349]
3142	[5469, 5470]	6499	[9265, 9266]	9856	[6646, 2957]	13213	[8478, 9151]
3143	[5471, 5472]	6500	[5068, 4187]	9857	[6877, 11460]	13214	[5020, 394]
3144	[5473, 3780]	6501	[5435, 9267]	9858	[3079, 6510]	13215	[3314, 1594]
3145	[5474, 5475]	6502	[9268, 4438]	9859	[11916, 11693]	13216	[8197, 10440]
3146	[5476, 5477]	6503	[3809, 9269]	9860	[11917, 6777]	13217	[12859, 3476]
3147	[5478, 4428]	6504	[9270, 9271]	9861	[8094, 2350]	13218	[5081, 312]
3148	[5479, 5480]	6505	[8377, 9272]	9862	[196, 6906]	13219	[13350, 8607]
3149	[1352, 5481]	6506	[9273, 9274]	9863	[7430, 11918]	13220	[1220, 9610]
3150	[5482, 5483]	6507	[9275, 1777]	9864	[2949, 6669]	13221	[13351, 12954]
3151	[5484, 5485]	6508	[9106, 9273]	9865	[3222, 11881]	13222	[9710, 12726]
3152	[5486, 5487]	6509	[9276, 9275]	9866	[11919, 2051]	13223	[10599, 10534]
3153	[5488, 5489]	6510	[9277, 4422]	9867	[11920, 11921]	13224	[4958, 9836]
3154	[1780, 5490]	6511	[9278, 9101]	9868	[11922, 2344]	13225	[13042, 9288]
3155	[5491, 5492]	6512	[9279, 9213]	9869	[11923, 7892]	13226	[8441, 13352]
3156	[5493, 5494]	6513	[9280, 9281]	9870	[721, 2899]	13227	[13353, 13354]
3157	[5495, 5496]	6514	[9282, 9283]	9871	[7438, 7424]	13228	[4578, 8684]
3158	[1720, 5497]	6515	[5431, 9284]	9872	[7759, 6323]	13229	[13355, 13356]
3159	[1722, 5498]	6516	[9285, 1225]	9873	[940, 11212]	13230	[8334, 10260]
3160	[1712, 5499]	6517	[9286, 5659]	9874	[11724, 2731]	13231	[9298, 5049]
3161	[4892, 5500]	6518	[9287, 5145]	9875	[3251, 5776]	13232	[13357, 8379]
3162	[3959, 5501]	6519	[8830, 1711]	9876	[11876, 11924]	13233	[13358, 976]
3163	[5502, 5503]	6520	[9288, 5478]	9877	[6112, 3056]	13234	[5609, 10517]
3164	[5504, 5505]	6521	[4702, 9289]	9878	[554, 11190]	13235	[12831, 5471]
3165	[5506, 5507]	6522	[9134, 3702]	9879	[7174, 2154]	13236	[13359, 13360]
3166	[5508, 5509]	6523	[9290, 9291]	9880	[3189, 2669]	13237	[13361, 5644]

3167	[5510, 5511]	6524	[9292, 9293]	9881	[11848, 3182]	13238	[4048, 402]
3168	[5512, 5513]	6525	[1809, 3851]	9882	[2583, 2878]	13239	[9907, 115]
3169	[5514, 5515]	6526	[5417, 9294]	9883	[11925, 927]	13240	[8782, 5365]
3170	[5516, 4479]	6527	[8145, 340]	9884	[6987, 2327]	13241	[9655, 10861]
3171	[5517, 5518]	6528	[9295, 9296]	9885	[11926, 7492]	13242	[90, 5531]
3172	[3912, 4342]	6529	[9297, 9298]	9886	[2961, 6363]	13243	[13362, 8797]
3173	[5519, 5520]	6530	[9299, 9300]	9887	[11467, 7252]	13244	[1478, 12483]
3174	[1518, 5521]	6531	[9301, 9302]	9888	[3252, 2336]	13245	[9167, 12834]
3175	[5522, 4049]	6532	[9303, 9304]	9889	[11927, 7328]	13246	[8122, 12858]
3176	[4111, 5523]	6533	[9305, 9306]	9890	[7426, 11928]	13247	[1253, 13363]
3177	[4645, 1678]	6534	[4718, 9307]	9891	[11929, 7741]	13248	[13364, 9753]
3178	[5524, 4261]	6535	[9308, 3463]	9892	[6953, 646]	13249	[12631, 13365]
3179	[5525, 5526]	6536	[3793, 8129]	9893	[1996, 3131]	13250	[10491, 13086]
3180	[5527, 5528]	6537	[9309, 9310]	9894	[11463, 11436]	13251	[5255, 4465]
3181	[5529, 5530]	6538	[9311, 9312]	9895	[11637, 7468]	13252	[13366, 3709]
3182	[5531, 1831]	6539	[1500, 9313]	9896	[3234, 11612]	13253	[12486, 12389]
3183	[28, 5532]	6540	[9314, 9315]	9897	[7508, 5812]	13254	[12390, 12666]
3184	[4152, 5533]	6541	[9316, 9317]	9898	[2019, 11930]	13255	[10017, 12487]
3185	[5534, 5535]	6542	[9318, 1561]	9899	[3267, 8014]	13256	[13367, 13368]
3186	[5536, 5537]	6543	[9319, 9051]	9900	[11825, 6546]	13257	[1358, 5010]
3187	[5538, 5539]	6544	[4499, 9320]	9901	[11931, 1867]	13258	[10515, 9128]
3188	[5540, 4692]	6545	[5521, 9321]	9902	[11076, 11932]	13259	[13369, 10893]
3189	[5541, 4705]	6546	[8940, 9322]	9903	[6123, 890]	13260	[4109, 13370]
3190	[5542, 5543]	6547	[1757, 9323]	9904	[3118, 11159]	13261	[12599, 13371]
3191	[5544, 5545]	6548	[3625, 9324]	9905	[11678, 11756]	13262	[5167, 12424]
3192	[5546, 5547]	6549	[4374, 8419]	9906	[7057, 230]	13263	[9732, 4495]
3193	[5548, 5549]	6550	[9325, 1531]	9907	[7996, 232]	13264	[13372, 13373]
3194	[4649, 5550]	6551	[3830, 9326]	9908	[5752, 7594]	13265	[13374, 13375]
3195	[5551, 4950]	6552	[9327, 9328]	9909	[7321, 2639]	13266	[13376, 13377]
3196	[5552, 1713]	6553	[9329, 9330]	9910	[6820, 5698]	13267	[13378, 12445]
3197	[4192, 5553]	6554	[496, 8670]	9911	[5934, 11702]	13268	[10997, 4911]
3198	[5554, 5084]	6555	[9331, 5030]	9912	[11933, 11830]	13269	[13379, 13380]
3199	[5555, 5449]	6556	[9332, 9333]	9913	[7670, 7979]	13270	[10548, 9565]
3200	[5078, 5556]	6557	[9334, 3567]	9914	[1987, 3164]	13271	[459, 9881]
3201	[5557, 4946]	6558	[5288, 9335]	9915	[2750, 7638]	13272	[5221, 13381]
3202	[339, 5558]	6559	[3743, 9336]	9916	[7127, 156]	13273	[10679, 8176]
3203	[5559, 3477]	6560	[9337, 9338]	9917	[7805, 7554]	13274	[13382, 380]
3204	[5267, 5560]	6561	[9339, 5397]	9918	[11934, 11935]	13275	[13383, 5176]
3205	[5561, 5562]	6562	[4602, 9340]	9919	[7103, 8097]	13276	[13384, 12520]
3206	[5006, 5563]	6563	[9341, 9342]	9920	[5825, 11936]	13277	[13385, 13386]
3207	[5564, 5565]	6564	[9343, 9344]	9921	[11937, 2589]	13278	[10686, 12254]
3208	[5566, 5567]	6565	[4367, 9345]	9922	[7842, 11751]	13279	[10368, 1435]
3209	[5568, 5569]	6566	[9346, 9347]	9923	[11057, 7910]	13280	[3815, 13387]
3210	[5570, 119]	6567	[9348, 3944]	9924	[6402, 726]	13281	[13388, 10274]

3211	[5571, 5572]	6568	[9349, 9350]	9925	[775, 11902]	13282	[10752, 13389]
3212	[5573, 5574]	6569	[1119, 9351]	9926	[7908, 11797]	13283	[12988, 3468]
3213	[1541, 1723]	6570	[9352, 1690]	9927	[6129, 11938]	13284	[12249, 12991]
3214	[5575, 5576]	6571	[9353, 9354]	9928	[2234, 8037]	13285	[13390, 12827]
3215	[5577, 998]	6572	[9355, 8450]	9929	[11784, 7824]	13286	[1813, 8121]
3216	[5578, 5579]	6573	[3607, 9356]	9930	[11747, 6657]	13287	[4874, 8899]
3217	[5580, 3400]	6574	[333, 9357]	9931	[2617, 11610]	13288	[9385, 13391]
3218	[5581, 5582]	6575	[1522, 9358]	9932	[6241, 11086]	13289	[13392, 12860]
3219	[5583, 5584]	6576	[1524, 471]	9933	[7395, 2550]	13290	[4177, 3555]
3220	[5585, 5586]	6577	[8698, 9359]	9934	[6627, 7084]	13291	[12291, 10811]
3221	[3970, 5587]	6578	[1834, 9360]	9935	[6975, 11939]	13292	[13393, 11116]
3222	[5588, 5589]	6579	[9361, 4985]	9936	[7203, 11508]	13293	[13394, 8884]
3223	[5590, 5591]	6580	[9362, 414]	9937	[7675, 598]	13294	[10772, 3935]
3224	[5592, 5593]	6581	[9363, 9364]	9938	[11505, 7897]	13295	[3581, 8988]
3225	[3454, 5594]	6582	[9365, 9366]	9939	[6271, 7727]	13296	[8429, 9864]
3226	[5595, 5596]	6583	[9367, 5281]	9940	[11940, 11894]	13297	[10955, 1377]
3227	[5597, 5598]	6584	[8471, 9368]	9941	[2218, 6825]	13298	[5562, 13395]
3228	[5500, 5599]	6585	[8473, 9369]	9942	[6291, 6748]	13299	[13396, 3659]
3229	[5600, 1851]	6586	[9370, 9371]	9943	[7622, 11641]	13300	[13397, 13398]
3230	[5601, 5602]	6587	[9372, 9373]	9944	[5780, 7337]	13301	[8418, 13399]
3231	[5029, 5603]	6588	[9374, 9375]	9945	[6526, 11941]	13302	[13400, 13401]
3232	[5604, 5605]	6589	[9376, 9377]	9946	[11942, 11943]	13303	[10754, 13402]
3233	[5606, 336]	6590	[9378, 9379]	9947	[11944, 11945]	13304	[8247, 1785]
3234	[1747, 5607]	6591	[9380, 9381]	9948	[11946, 11947]	13305	[13403, 13404]
3235	[5608, 5609]	6592	[9382, 3682]	9949	[826, 5858]	13306	[13184, 3317]
3236	[5610, 5611]	6593	[9383, 9384]	9950	[11041, 11423]	13307	[10681, 3313]
3237	[5612, 5613]	6594	[1778, 5369]	9951	[11246, 11948]	13308	[1473, 4311]
3238	[5614, 5615]	6595	[4859, 9385]	9952	[927, 2608]	13309	[4148, 13405]
3239	[3312, 1579]	6596	[9386, 5527]	9953	[2311, 11527]	13310	[13389, 13088]
3240	[5616, 5617]	6597	[8560, 9387]	9954	[11412, 11480]	13311	[12692, 12978]
3241	[5618, 5619]	6598	[8413, 9388]	9955	[2167, 11840]	13312	[13406, 12347]
3242	[5620, 5621]	6599	[9389, 8777]	9956	[724, 2304]	13313	[13407, 1284]
3243	[4391, 5622]	6600	[9390, 9391]	9957	[11910, 11949]	13314	[5201, 9986]
3244	[5623, 5624]	6601	[9392, 9393]	9958	[3000, 6375]	13315	[10014, 3497]
3245	[5625, 5626]	6602	[8454, 9394]	9959	[2310, 11391]	13316	[13107, 4097]
3246	[5627, 485]	6603	[9395, 9396]	9960	[6152, 2949]	13317	[9281, 8485]
3247	[5628, 5629]	6604	[20, 8289]	9961	[7787, 11352]	13318	[8854, 4328]
3248	[5630, 5631]	6605	[9397, 1063]	9962	[6966, 5967]	13319	[13078, 4349]
3249	[5632, 5633]	6606	[9398, 9399]	9963	[6041, 6001]	13320	[13352, 13408]
3250	[5634, 3704]	6607	[9400, 5035]	9964	[11950, 11951]	13321	[13409, 9795]
3251	[5635, 5636]	6608	[9401, 9402]	9965	[11355, 11749]	13322	[1574, 8119]
3252	[5637, 5638]	6609	[4273, 9403]	9966	[6175, 11162]	13323	[4968, 9717]
3253	[5639, 990]	6610	[9404, 4843]	9967	[5970, 11764]	13324	[4886, 13410]
3254	[5640, 5641]	6611	[3705, 9405]	9968	[6343, 6957]	13325	[12854, 13116]

3255	[5642, 5643]	6612	[9406, 9407]	9969	[752, 11414]	13326	[13411, 13412]
3256	[5644, 4324]	6613	[373, 9408]	9970	[735, 6924]	13327	[13413, 13414]
3257	[5645, 5646]	6614	[9409, 9410]	9971	[2400, 6022]	13328	[461, 9276]
3258	[5647, 5648]	6615	[9411, 5028]	9972	[3013, 2197]	13329	[13415, 13416]
3259	[997, 5649]	6616	[9412, 3657]	9973	[6817, 6944]	13330	[9514, 4167]
3260	[3882, 5650]	6617	[9413, 1630]	9974	[7821, 11952]	13331	[13417, 13418]
3261	[5651, 5652]	6618	[3543, 9414]	9975	[7829, 2237]	13332	[13419, 2146]
3262	[5653, 4140]	6619	[9415, 9416]	9976	[11953, 11272]	13333	[8008, 11526]
3263	[5654, 5655]	6620	[3697, 9417]	9977	[513, 711]	13334	[12188, 12165]
3264	[5656, 5657]	6621	[4127, 9418]	9978	[11170, 3048]	13335	[7365, 6235]
3265	[3918, 5658]	6622	[9419, 1614]	9979	[11830, 741]	13336	[6218, 5796]
3266	[5659, 5660]	6623	[9420, 9421]	9980	[6804, 6379]	13337	[13291, 11333]
3267	[5661, 5662]	6624	[9184, 465]	9981	[5868, 11568]	13338	[11816, 13240]
3268	[5663, 5664]	6625	[8422, 9422]	9982	[3231, 11327]	13339	[12183, 6305]
3269	[5039, 5665]	6626	[9423, 9424]	9983	[7386, 11176]	13340	[6783, 13194]
3270	[5666, 5667]	6627	[9425, 9426]	9984	[2213, 11285]	13341	[13323, 7683]
3271	[5668, 3586]	6628	[9427, 9428]	9985	[11954, 959]	13342	[11137, 2722]
3272	[1273, 5669]	6629	[9429, 9430]	9986	[5904, 11955]	13343	[13272, 11900]
3273	[5670, 338]	6630	[9431, 9432]	9987	[2398, 3097]	13344	[13420, 7260]
3274	[5671, 1327]	6631	[9433, 9434]	9988	[2544, 2255]	13345	[2626, 7888]
3275	[5672, 5673]	6632	[9435, 9436]	9989	[7210, 6149]	13346	[12153, 35]
3276	[5674, 5675]	6633	[315, 9437]	9990	[5872, 11346]	13347	[2905, 11274]
3277	[5676, 5677]	6634	[9438, 9439]	9991	[236, 2806]	13348	[12109, 11181]
3278	[5678, 5679]	6635	[4857, 8328]	9992	[7316, 763]	13349	[12197, 11191]
3279	[5220, 4303]	6636	[9440, 8537]	9993	[6871, 11222]	13350	[13293, 8010]
3280	[5680, 1527]	6637	[9441, 9442]	9994	[6699, 581]	13351	[13421, 11620]
3281	[5681, 4656]	6638	[9443, 3295]	9995	[7445, 6533]	13352	[7992, 7393]
3282	[5682, 5683]	6639	[4788, 8479]	9996	[11956, 11617]	13353	[7599, 2362]
3283	[2825, 5684]	6640	[8106, 9444]	9997	[852, 11025]	13354	[7503, 7903]
3284	[5685, 5686]	6641	[5470, 4467]	9998	[5954, 690]	13355	[12169, 8091]
3285	[2127, 2134]	6642	[447, 8531]	9999	[8013, 7119]	13356	[6131, 7202]
3286	[2707, 5687]	6643	[9445, 8965]	10000	[11957, 11958]	13357	[12217, 2098]
3287	[5688, 5689]	6644	[9446, 9447]	10001	[2788, 11959]	13358	[7435, 7111]
3288	[1962, 5690]	6645	[8796, 5168]	10002	[11960, 6454]	13359	[12181, 11251]
3289	[5691, 880]	6646	[9448, 9449]	10003	[2107, 950]	13360	[11167, 7200]
3290	[5692, 5693]	6647	[5059, 9450]	10004	[2243, 11680]	13361	[12187, 11985]
3291	[5694, 5695]	6648	[3755, 9451]	10005	[11961, 11798]	13362	[12229, 3045]
3292	[5696, 5697]	6649	[1677, 9452]	10006	[11962, 227]	13363	[2341, 6382]
3293	[5698, 5699]	6650	[9453, 9454]	10007	[566, 8046]	13364	[858, 11887]
3294	[5700, 2148]	6651	[9455, 4153]	10008	[11792, 7731]	13365	[13314, 11863]
3295	[5701, 5702]	6652	[9456, 9457]	10009	[2108, 11626]	13366	[13231, 7063]
3296	[5703, 5704]	6653	[1410, 442]	10010	[2763, 7703]	13367	[7599, 7474]
3297	[969, 2485]	6654	[9458, 9459]	10011	[8, 676]	13368	[6881, 12139]
3298	[5705, 736]	6655	[9460, 9461]	10012	[7899, 7362]	13369	[7690, 6549]

3299	[5706, 5707]	6656	[8914, 9462]	10013	[2814, 5983]	13370	[3268, 11866]
3300	[5708, 5709]	6657	[9463, 9464]	10014	[7158, 806]	13371	[6792, 6568]
3301	[5710, 2011]	6658	[9283, 8818]	10015	[7955, 11963]	13372	[6653, 222]
3302	[2513, 5711]	6659	[3767, 9465]	10016	[11018, 11556]	13373	[11082, 246]
3303	[2703, 5712]	6660	[9466, 9467]	10017	[3214, 5956]	13374	[7797, 3004]
3304	[5713, 5714]	6661	[3816, 9468]	10018	[5837, 11593]	13375	[6046, 13264]
3305	[2080, 5715]	6662	[4190, 8915]	10019	[6980, 11740]	13376	[13324, 7917]
3306	[1916, 5716]	6663	[9469, 8800]	10020	[11964, 11965]	13377	[13420, 6589]
3307	[5717, 2516]	6664	[9470, 1258]	10021	[7581, 2053]	13378	[13422, 13229]
3308	[5718, 5719]	6665	[9471, 9472]	10022	[7716, 2072]	13379	[12090, 12191]
3309	[5720, 5721]	6666	[9473, 9474]	10023	[11649, 7115]	13380	[12013, 2420]
3310	[5722, 5723]	6667	[3634, 3750]	10024	[11966, 11967]	13381	[13315, 2460]
3311	[5724, 2876]	6668	[9475, 8214]	10025	[7255, 7251]	13382	[6306, 12114]
3312	[5725, 3184]	6669	[9476, 1418]	10026	[6712, 2564]	13383	[12121, 11773]
3313	[5726, 5727]	6670	[1691, 9477]	10027	[6425, 7023]	13384	[7927, 7948]
3314	[225, 5728]	6671	[8427, 8975]	10028	[11860, 602]	13385	[856, 2864]
3315	[5729, 5730]	6672	[9478, 9479]	10029	[11968, 11703]	13386	[2455, 7086]
3316	[2381, 5731]	6673	[9480, 8333]	10030	[7265, 7511]	13387	[12211, 6534]
3317	[2055, 5732]	6674	[9481, 9482]	10031	[7543, 2114]	13388	[11512, 13287]
3318	[3229, 5733]	6675	[9483, 9484]	10032	[2844, 187]	13389	[6849, 6835]
3319	[2189, 5734]	6676	[5545, 4899]	10033	[584, 189]	13390	[6879, 11447]
3320	[5735, 2859]	6677	[9485, 9486]	10034	[2442, 7611]	13391	[13295, 7570]
3321	[5736, 5737]	6678	[9487, 9488]	10035	[6433, 739]	13392	[12165, 13294]
3322	[5738, 5739]	6679	[9489, 9490]	10036	[2186, 2548]	13393	[12204, 2122]
3323	[5740, 5741]	6680	[9491, 5324]	10037	[6626, 11743]	13394	[7714, 6865]
3324	[509, 593]	6681	[9492, 4579]	10038	[973, 6210]	13395	[6272, 11236]
3325	[5742, 2404]	6682	[9493, 9494]	10039	[6688, 1910]	13396	[8036, 2235]
3326	[2693, 5743]	6683	[3952, 9495]	10040	[6627, 11841]	13397	[11323, 6378]
3327	[5744, 5745]	6684	[9496, 9497]	10041	[11969, 11452]	13398	[11201, 11994]
3328	[5746, 5747]	6685	[3954, 1620]	10042	[538, 6730]	13399	[6090, 12005]
3329	[5748, 2555]	6686	[9498, 8239]	10043	[2239, 11374]	13400	[6763, 6192]
3330	[5749, 5750]	6687	[3443, 5668]	10044	[6869, 6770]	13401	[11650, 11986]
3331	[5751, 3013]	6688	[9499, 8922]	10045	[7707, 11687]	13402	[7993, 11437]
3332	[5752, 5753]	6689	[9500, 9501]	10046	[11472, 8039]	13403	[11984, 12188]
3333	[192, 5754]	6690	[9226, 3729]	10047	[6747, 5734]	13404	[12220, 6766]
3334	[5755, 5756]	6691	[9502, 9503]	10048	[11970, 11660]	13405	[2187, 11443]
3335	[5757, 5758]	6692	[9504, 9505]	10049	[11971, 1871]	13406	[13291, 12019]
3336	[5759, 867]	6693	[3412, 9506]	10050	[11642, 5746]	13407	[7653, 11141]
3337	[2573, 5760]	6694	[9507, 9508]	10051	[8055, 2107]	13408	[2442, 7876]
3338	[5761, 5762]	6695	[5272, 9509]	10052	[7772, 2605]	13409	[11040, 7898]
3339	[5763, 576]	6696	[9510, 9511]	10053	[6790, 11375]	13410	[11818, 11748]
3340	[5764, 2456]	6697	[9512, 4624]	10054	[6549, 6602]	13411	[11794, 6085]
3341	[5765, 5766]	6698	[9513, 996]	10055	[7613, 2005]	13412	[11917, 8031]
3342	[914, 5767]	6699	[417, 9514]	10056	[6828, 7759]	13413	[13288, 2558]

3343	[2298, 5768]	6700	[9515, 9516]	10057	[3196, 810]	13414	[13205, 7213]
3344	[2480, 5769]	6701	[9517, 8969]	10058	[11972, 6124]	13415	[7986, 7141]
3345	[2582, 2877]	6702	[9518, 9519]	10059	[7820, 7457]	13416	[959, 12225]
3346	[748, 5770]	6703	[5658, 9520]	10060	[11973, 2086]	13417	[11905, 7683]
3347	[5771, 3089]	6704	[9521, 9522]	10061	[11298, 11974]	13418	[11964, 7610]
3348	[5772, 5773]	6705	[9523, 4229]	10062	[7464, 7056]	13419	[13423, 10061]
3349	[5774, 5775]	6706	[9524, 3774]	10063	[143, 11955]	13420	[12525, 12727]
3350	[5776, 960]	6707	[9525, 5381]	10064	[2088, 11544]	13421	[13424, 13425]
3351	[5777, 2002]	6708	[9526, 9527]	10065	[6038, 5860]	13422	[13426, 12816]
3352	[5778, 5779]	6709	[1680, 9528]	10066	[6554, 6994]	13423	[127, 528]
3353	[2588, 2136]	6710	[8816, 9529]	10067	[7951, 11975]	13424	[12102, 6313]
3354	[5780, 5781]	6711	[3961, 9530]	10068	[7711, 11976]	13425	[11945, 8085]
3355	[2768, 5782]	6712	[9531, 9532]	10069	[11977, 6953]	13426	[7842, 13216]
3356	[5783, 3025]	6713	[323, 4224]	10070	[11219, 8081]		

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	2238	1	4476	0	6714	1	8952	1	11190	0
1	0	2239	0	4477	1	6715	0	8953	1	11191	1
2	0	2240	1	4478	1	6716	0	8954	1	11192	1
3	0	2241	0	4479	1	6717	1	8955	0	11193	1
4	0	2242	1	4480	0	6718	0	8956	0	11194	0
5	0	2243	1	4481	1	6719	1	8957	1	11195	1
6	0	2244	0	4482	0	6720	1	8958	0	11196	0
7	0	2245	0	4483	1	6721	1	8959	1	11197	1
8	1	2246	0	4484	0	6722	1	8960	1	11198	1
9	0	2247	0	4485	1	6723	0	8961	1	11199	1
10	1	2248	1	4486	0	6724	1	8962	0	11200	0
11	0	2249	0	4487	1	6725	1	8963	0	11201	0
12	1	2250	0	4488	0	6726	0	8964	0	11202	1
13	0	2251	0	4489	0	6727	1	8965	1	11203	1
14	0	2252	0	4490	0	6728	0	8966	1	11204	0
15	0	2253	0	4491	1	6729	1	8967	0	11205	0
16	0	2254	0	4492	1	6730	1	8968	1	11206	0
17	1	2255	1	4493	1	6731	0	8969	0	11207	1
18	0	2256	0	4494	1	6732	0	8970	0	11208	0
19	0	2257	0	4495	0	6733	1	8971	1	11209	1
20	0	2258	1	4496	0	6734	1	8972	0	11210	1
21	1	2259	0	4497	0	6735	1	8973	0	11211	1
22	0	2260	1	4498	0	6736	1	8974	1	11212	1
23	0	2261	1	4499	1	6737	0	8975	1	11213	0
24	0	2262	0	4500	0	6738	1	8976	0	11214	0
25	1	2263	0	4501	0	6739	0	8977	0	11215	0
26	0	2264	1	4502	0	6740	1	8978	0	11216	1

27	0	2265	0	4503	1	6741	1	8979	0	11217	0
28	0	2266	0	4504	0	6742	0	8980	0	11218	1
29	0	2267	1	4505	1	6743	0	8981	0	11219	1
30	0	2268	1	4506	1	6744	0	8982	0	11220	0
31	0	2269	1	4507	1	6745	1	8983	1	11221	0
32	1	2270	0	4508	1	6746	1	8984	1	11222	0
33	0	2271	0	4509	0	6747	1	8985	0	11223	0
34	1	2272	1	4510	1	6748	0	8986	0	11224	0
35	1	2273	0	4511	0	6749	0	8987	0	11225	0
36	0	2274	1	4512	1	6750	0	8988	1	11226	1
37	0	2275	0	4513	1	6751	1	8989	0	11227	1
38	1	2276	1	4514	1	6752	1	8990	1	11228	0
39	0	2277	1	4515	0	6753	1	8991	1	11229	0
40	0	2278	0	4516	0	6754	1	8992	0	11230	1
41	0	2279	1	4517	1	6755	0	8993	1	11231	1
42	1	2280	0	4518	1	6756	1	8994	0	11232	0
43	1	2281	0	4519	1	6757	1	8995	1	11233	0
44	1	2282	0	4520	1	6758	0	8996	0	11234	1
45	0	2283	1	4521	0	6759	1	8997	1	11235	0
46	1	2284	1	4522	0	6760	0	8998	0	11236	1
47	0	2285	0	4523	0	6761	0	8999	1	11237	0
48	0	2286	0	4524	0	6762	1	9000	1	11238	0
49	0	2287	1	4525	0	6763	1	9001	1	11239	0
50	0	2288	1	4526	1	6764	1	9002	1	11240	0
51	1	2289	1	4527	1	6765	1	9003	1	11241	1
52	0	2290	0	4528	0	6766	0	9004	0	11242	0
53	0	2291	1	4529	1	6767	0	9005	1	11243	1
54	0	2292	1	4530	1	6768	1	9006	1	11244	1
55	0	2293	1	4531	0	6769	0	9007	1	11245	1
56	1	2294	0	4532	0	6770	1	9008	0	11246	1
57	0	2295	1	4533	0	6771	0	9009	1	11247	0
58	1	2296	1	4534	0	6772	0	9010	0	11248	1
59	0	2297	1	4535	1	6773	1	9011	0	11249	1
60	1	2298	0	4536	1	6774	1	9012	1	11250	0
61	0	2299	0	4537	0	6775	0	9013	0	11251	0
62	1	2300	0	4538	1	6776	1	9014	0	11252	1
63	0	2301	1	4539	0	6777	1	9015	0	11253	1
64	1	2302	0	4540	1	6778	1	9016	1	11254	1
65	1	2303	0	4541	0	6779	1	9017	1	11255	1
66	0	2304	1	4542	0	6780	1	9018	1	11256	1
67	0	2305	0	4543	0	6781	0	9019	1	11257	0
68	0	2306	1	4544	0	6782	0	9020	1	11258	0
69	1	2307	0	4545	0	6783	1	9021	1	11259	0
70	1	2308	1	4546	1	6784	1	9022	1	11260	0

71	1	2309	0	4547	1	6785	1	9023	1	11261	0
72	1	2310	1	4548	1	6786	0	9024	0	11262	1
73	0	2311	1	4549	1	6787	0	9025	0	11263	0
74	1	2312	1	4550	0	6788	0	9026	0	11264	0
75	0	2313	0	4551	1	6789	0	9027	0	11265	0
76	1	2314	0	4552	0	6790	0	9028	0	11266	0
77	1	2315	1	4553	1	6791	1	9029	1	11267	0
78	0	2316	0	4554	0	6792	1	9030	0	11268	1
79	0	2317	0	4555	1	6793	0	9031	1	11269	0
80	0	2318	1	4556	1	6794	1	9032	1	11270	1
81	0	2319	0	4557	1	6795	1	9033	0	11271	0
82	1	2320	1	4558	0	6796	0	9034	1	11272	0
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87	1	2325	0	4563	0	6801	0	9039	1	11277	0
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410	1	2648	0	4886	1	7124	1	9362	1	11600	1
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626	1	2864	0	5102	0	7340	1	9578	1	11816	1
627	0	2865	0	5103	0	7341	1	9579	1	11817	0
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632	1	2870	1	5108	1	7346	0	9584	1	11822	0
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634	0	2872	1	5110	1	7348	0	9586	1	11824	0
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636	0	2874	0	5112	0	7350	1	9588	0	11826	1
637	0	2875	0	5113	0	7351	1	9589	1	11827	0
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639	1	2877	1	5115	1	7353	0	9591	1	11829	1
640	1	2878	1	5116	1	7354	1	9592	0	11830	0
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645	0	2883	1	5121	1	7359	0	9597	1	11835	0
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650	1	2888	0	5126	0	7364	1	9602	0	11840	0
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715	0	2953	1	5191	0	7429	1	9667	0	11905	1
716	1	2954	0	5192	1	7430	0	9668	1	11906	0
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718	0	2956	1	5194	1	7432	0	9670	1	11908	0
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723	0	2961	0	5199	0	7437	1	9675	1	11913	1
724	1	2962	0	5200	0	7438	1	9676	0	11914	0
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733	1	2971	1	5209	0	7447	1	9685	0	11923	0
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764	0	3002	1	5240	1	7478	1	9716	1	11954	0
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766	1	3004	1	5242	1	7480	0	9718	0	11956	1
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883	1	3121	0	5359	1	7597	1	9835	0	12073	1
884	0	3122	0	5360	0	7598	1	9836	1	12074	0
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890	0	3128	0	5366	0	7604	1	9842	1	12080	1
891	0	3129	1	5367	0	7605	1	9843	1	12081	0
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893	0	3131	0	5369	1	7607	0	9845	1	12083	0
894	0	3132	0	5370	0	7608	0	9846	1	12084	1
895	0	3133	0	5371	0	7609	0	9847	0	12085	1
896	1	3134	0	5372	1	7610	1	9848	0	12086	1
897	1	3135	0	5373	0	7611	0	9849	0	12087	0
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902	0	3140	0	5378	1	7616	1	9854	1	12092	0
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904	1	3142	1	5380	0	7618	0	9856	1	12094	1
905	1	3143	1	5381	1	7619	0	9857	1	12095	0
906	1	3144	0	5382	0	7620	1	9858	1	12096	0

907	1	3145	1	5383	0	7621	1	9859	1	12097	1
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910	1	3148	0	5386	0	7624	0	9862	0	12100	0
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915	0	3153	1	5391	1	7629	0	9867	0	12105	0
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918	0	3156	1	5394	0	7632	0	9870	0	12108	1
919	0	3157	1	5395	0	7633	1	9871	1	12109	0
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921	0	3159	1	5397	1	7635	1	9873	1	12111	0
922	0	3160	1	5398	1	7636	0	9874	0	12112	1
923	1	3161	0	5399	1	7637	1	9875	1	12113	1
924	0	3162	1	5400	1	7638	1	9876	1	12114	0
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926	1	3164	1	5402	0	7640	1	9878	1	12116	0
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929	0	3167	1	5405	0	7643	0	9881	1	12119	1
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933	0	3171	1	5409	0	7647	0	9885	1	12123	1
934	0	3172	0	5410	1	7648	0	9886	0	12124	0
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941	0	3179	1	5417	1	7655	1	9893	1	12131	1
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944	0	3182	1	5420	1	7658	0	9896	1	12134	0
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946	0	3184	0	5422	1	7660	0	9898	0	12136	0
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971	1	3209	0	5447	0	7685	1	9923	0	12161	1
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1423	0	3661	0	5899	1	8137	0	10375	0	12613	1
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1679	0	3917	1	6155	0	8393	1	10631	1	12869	1
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1681	0	3919	1	6157	1	8395	0	10633	0	12871	0
1682	1	3920	0	6158	1	8396	0	10634	1	12872	1
1683	1	3921	0	6159	0	8397	1	10635	1	12873	1
1684	0	3922	1	6160	0	8398	1	10636	0	12874	0
1685	0	3923	0	6161	1	8399	0	10637	0	12875	1
1686	1	3924	1	6162	1	8400	0	10638	0	12876	1
1687	0	3925	1	6163	0	8401	0	10639	1	12877	0
1688	1	3926	1	6164	0	8402	1	10640	0	12878	1
1689	1	3927	1	6165	0	8403	1	10641	1	12879	0
1690	0	3928	0	6166	1	8404	0	10642	0	12880	0
1691	0	3929	1	6167	1	8405	0	10643	0	12881	0
1692	1	3930	1	6168	1	8406	1	10644	0	12882	1
1693	1	3931	0	6169	0	8407	1	10645	0	12883	0
1694	1	3932	0	6170	0	8408	1	10646	1	12884	1
1695	0	3933	0	6171	0	8409	0	10647	1	12885	1
1696	1	3934	1	6172	0	8410	0	10648	0	12886	0
1697	0	3935	0	6173	0	8411	1	10649	1	12887	0
1698	1	3936	0	6174	1	8412	1	10650	1	12888	0

1699	0	3937	0	6175	0	8413	1	10651	1	12889	0
1700	1	3938	0	6176	1	8414	1	10652	1	12890	0
1701	0	3939	0	6177	0	8415	1	10653	1	12891	1
1702	0	3940	0	6178	0	8416	1	10654	1	12892	0
1703	1	3941	0	6179	1	8417	1	10655	1	12893	0
1704	0	3942	1	6180	0	8418	1	10656	1	12894	0
1705	1	3943	1	6181	1	8419	1	10657	1	12895	0
1706	1	3944	1	6182	1	8420	0	10658	1	12896	1
1707	0	3945	0	6183	1	8421	1	10659	0	12897	1
1708	0	3946	1	6184	0	8422	1	10660	0	12898	0
1709	0	3947	0	6185	0	8423	1	10661	1	12899	0
1710	1	3948	1	6186	1	8424	1	10662	0	12900	1
1711	1	3949	1	6187	0	8425	0	10663	1	12901	0
1712	1	3950	1	6188	0	8426	1	10664	1	12902	0
1713	0	3951	0	6189	1	8427	0	10665	1	12903	1
1714	1	3952	0	6190	0	8428	1	10666	0	12904	0
1715	0	3953	0	6191	1	8429	0	10667	1	12905	1
1716	0	3954	1	6192	0	8430	0	10668	1	12906	0
1717	1	3955	0	6193	0	8431	1	10669	1	12907	1
1718	1	3956	0	6194	1	8432	1	10670	1	12908	0
1719	0	3957	1	6195	1	8433	0	10671	1	12909	0
1720	0	3958	0	6196	1	8434	0	10672	1	12910	1
1721	0	3959	1	6197	0	8435	0	10673	1	12911	1
1722	1	3960	1	6198	1	8436	1	10674	1	12912	1
1723	1	3961	0	6199	1	8437	1	10675	1	12913	1
1724	0	3962	0	6200	1	8438	0	10676	1	12914	0
1725	0	3963	1	6201	1	8439	0	10677	1	12915	1
1726	0	3964	1	6202	1	8440	0	10678	0	12916	1
1727	1	3965	1	6203	1	8441	1	10679	1	12917	1
1728	1	3966	1	6204	0	8442	1	10680	0	12918	1
1729	1	3967	0	6205	1	8443	0	10681	1	12919	0
1730	0	3968	0	6206	1	8444	0	10682	0	12920	0
1731	1	3969	0	6207	0	8445	1	10683	1	12921	0
1732	0	3970	1	6208	1	8446	1	10684	0	12922	1
1733	0	3971	0	6209	1	8447	1	10685	0	12923	0
1734	0	3972	0	6210	0	8448	0	10686	1	12924	0
1735	1	3973	0	6211	0	8449	0	10687	1	12925	1
1736	1	3974	0	6212	0	8450	0	10688	1	12926	0
1737	1	3975	1	6213	0	8451	0	10689	0	12927	1
1738	1	3976	0	6214	0	8452	1	10690	1	12928	0
1739	1	3977	1	6215	1	8453	1	10691	0	12929	1
1740	0	3978	0	6216	0	8454	1	10692	0	12930	0
1741	1	3979	1	6217	1	8455	0	10693	1	12931	1
1742	0	3980	1	6218	0	8456	0	10694	0	12932	1

1743	1	3981	0	6219	1	8457	0	10695	1	12933	1
1744	1	3982	0	6220	0	8458	0	10696	0	12934	1
1745	0	3983	0	6221	1	8459	1	10697	1	12935	1
1746	0	3984	1	6222	0	8460	0	10698	0	12936	1
1747	1	3985	1	6223	0	8461	0	10699	1	12937	1
1748	1	3986	0	6224	1	8462	0	10700	0	12938	0
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1750	0	3988	0	6226	1	8464	1	10702	1	12940	1
1751	1	3989	0	6227	0	8465	0	10703	1	12941	1
1752	1	3990	0	6228	1	8466	1	10704	1	12942	1
1753	0	3991	1	6229	1	8467	1	10705	1	12943	1
1754	0	3992	1	6230	0	8468	1	10706	1	12944	0
1755	1	3993	0	6231	1	8469	0	10707	0	12945	0
1756	1	3994	1	6232	1	8470	1	10708	1	12946	1
1757	0	3995	1	6233	0	8471	0	10709	0	12947	1
1758	0	3996	1	6234	1	8472	0	10710	1	12948	0
1759	0	3997	0	6235	1	8473	0	10711	0	12949	1
1760	0	3998	0	6236	1	8474	1	10712	1	12950	1
1761	0	3999	1	6237	0	8475	1	10713	0	12951	0
1762	0	4000	0	6238	1	8476	0	10714	1	12952	1
1763	1	4001	0	6239	0	8477	0	10715	1	12953	0
1764	0	4002	1	6240	0	8478	0	10716	1	12954	0
1765	0	4003	1	6241	1	8479	1	10717	1	12955	0
1766	0	4004	0	6242	1	8480	1	10718	0	12956	0
1767	0	4005	0	6243	0	8481	1	10719	0	12957	1
1768	0	4006	0	6244	0	8482	0	10720	0	12958	1
1769	0	4007	0	6245	0	8483	1	10721	0	12959	1
1770	0	4008	1	6246	0	8484	1	10722	0	12960	1
1771	1	4009	1	6247	0	8485	1	10723	1	12961	1
1772	1	4010	1	6248	1	8486	1	10724	1	12962	0
1773	0	4011	0	6249	1	8487	0	10725	0	12963	1
1774	0	4012	1	6250	0	8488	0	10726	1	12964	1
1775	1	4013	1	6251	0	8489	0	10727	1	12965	0
1776	1	4014	0	6252	1	8490	0	10728	0	12966	0
1777	0	4015	0	6253	0	8491	0	10729	1	12967	0
1778	1	4016	0	6254	0	8492	1	10730	0	12968	0
1779	1	4017	0	6255	1	8493	1	10731	1	12969	0
1780	1	4018	1	6256	1	8494	0	10732	1	12970	0
1781	0	4019	0	6257	0	8495	1	10733	0	12971	0
1782	1	4020	0	6258	0	8496	0	10734	0	12972	1
1783	0	4021	1	6259	1	8497	1	10735	1	12973	1
1784	0	4022	1	6260	0	8498	0	10736	0	12974	1
1785	1	4023	0	6261	0	8499	1	10737	1	12975	1
1786	1	4024	0	6262	0	8500	0	10738	0	12976	1

1787	0	4025	0	6263	1	8501	1	10739	1	12977	0
1788	0	4026	1	6264	1	8502	1	10740	1	12978	0
1789	1	4027	0	6265	0	8503	1	10741	0	12979	0
1790	0	4028	1	6266	0	8504	1	10742	0	12980	0
1791	0	4029	0	6267	0	8505	0	10743	1	12981	0
1792	0	4030	0	6268	0	8506	0	10744	1	12982	0
1793	1	4031	0	6269	1	8507	1	10745	1	12983	1
1794	0	4032	1	6270	0	8508	0	10746	0	12984	1
1795	0	4033	0	6271	1	8509	0	10747	0	12985	0
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1797	0	4035	0	6273	1	8511	0	10749	1	12987	1
1798	0	4036	1	6274	1	8512	0	10750	1	12988	1
1799	1	4037	0	6275	0	8513	0	10751	0	12989	0
1800	1	4038	1	6276	0	8514	0	10752	0	12990	1
1801	1	4039	1	6277	0	8515	0	10753	0	12991	1
1802	1	4040	0	6278	1	8516	0	10754	1	12992	0
1803	0	4041	1	6279	1	8517	0	10755	1	12993	1
1804	0	4042	0	6280	0	8518	1	10756	1	12994	1
1805	1	4043	0	6281	0	8519	1	10757	0	12995	1
1806	0	4044	1	6282	0	8520	0	10758	1	12996	0
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1808	0	4046	1	6284	0	8522	0	10760	0	12998	0
1809	1	4047	1	6285	0	8523	0	10761	0	12999	0
1810	0	4048	1	6286	0	8524	0	10762	0	13000	0
1811	0	4049	0	6287	0	8525	0	10763	1	13001	1
1812	1	4050	0	6288	0	8526	0	10764	0	13002	1
1813	0	4051	1	6289	1	8527	1	10765	0	13003	0
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1815	0	4053	0	6291	0	8529	0	10767	1	13005	0
1816	1	4054	1	6292	1	8530	0	10768	1	13006	1
1817	0	4055	1	6293	0	8531	1	10769	1	13007	1
1818	0	4056	0	6294	1	8532	0	10770	0	13008	1
1819	0	4057	0	6295	1	8533	0	10771	0	13009	1
1820	0	4058	1	6296	1	8534	0	10772	1	13010	0
1821	0	4059	1	6297	1	8535	0	10773	0	13011	0
1822	1	4060	1	6298	1	8536	0	10774	1	13012	0
1823	1	4061	1	6299	1	8537	0	10775	1	13013	1
1824	1	4062	0	6300	0	8538	0	10776	1	13014	0
1825	1	4063	0	6301	1	8539	0	10777	1	13015	1
1826	1	4064	0	6302	1	8540	1	10778	1	13016	0
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1828	1	4066	1	6304	1	8542	0	10780	1	13018	1
1829	1	4067	0	6305	0	8543	0	10781	1	13019	0
1830	0	4068	0	6306	1	8544	0	10782	1	13020	1

1831	1	4069	1	6307	1	8545	1	10783	1	13021	1
1832	1	4070	1	6308	0	8546	1	10784	1	13022	0
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1835	1	4073	1	6311	0	8549	1	10787	1	13025	0
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1837	1	4075	0	6313	1	8551	1	10789	1	13027	0
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1839	0	4077	0	6315	0	8553	0	10791	0	13029	0
1840	1	4078	1	6316	1	8554	0	10792	1	13030	0
1841	1	4079	0	6317	1	8555	1	10793	1	13031	0
1842	1	4080	0	6318	1	8556	0	10794	1	13032	0
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1845	0	4083	0	6321	0	8559	1	10797	1	13035	0
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1847	1	4085	1	6323	0	8561	1	10799	0	13037	0
1848	1	4086	1	6324	1	8562	1	10800	0	13038	1
1849	1	4087	1	6325	1	8563	0	10801	1	13039	0
1850	1	4088	0	6326	0	8564	1	10802	0	13040	0
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1852	1	4090	1	6328	1	8566	0	10804	0	13042	1
1853	1	4091	0	6329	1	8567	0	10805	1	13043	0
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1856	0	4094	0	6332	1	8570	0	10808	1	13046	1
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1858	1	4096	0	6334	1	8572	0	10810	1	13048	0
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1860	1	4098	1	6336	0	8574	1	10812	1	13050	0
1861	1	4099	0	6337	0	8575	1	10813	1	13051	1
1862	0	4100	1	6338	0	8576	1	10814	1	13052	1
1863	0	4101	1	6339	1	8577	0	10815	1	13053	0
1864	0	4102	0	6340	0	8578	1	10816	1	13054	0
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1866	0	4104	1	6342	1	8580	1	10818	0	13056	1
1867	0	4105	1	6343	0	8581	1	10819	0	13057	0
1868	0	4106	1	6344	1	8582	0	10820	0	13058	0
1869	1	4107	1	6345	0	8583	1	10821	0	13059	0
1870	1	4108	1	6346	0	8584	0	10822	0	13060	0
1871	0	4109	1	6347	0	8585	0	10823	1	13061	1
1872	1	4110	1	6348	0	8586	1	10824	1	13062	1
1873	0	4111	1	6349	1	8587	1	10825	0	13063	1
1874	1	4112	0	6350	1	8588	1	10826	1	13064	1

1875	0	4113	0	6351	1	8589	0	10827	1	13065	1
1876	0	4114	0	6352	1	8590	0	10828	0	13066	1
1877	1	4115	1	6353	1	8591	1	10829	0	13067	0
1878	0	4116	1	6354	0	8592	0	10830	0	13068	1
1879	0	4117	1	6355	1	8593	0	10831	0	13069	1
1880	1	4118	1	6356	1	8594	1	10832	0	13070	1
1881	0	4119	0	6357	0	8595	1	10833	1	13071	1
1882	0	4120	1	6358	0	8596	1	10834	1	13072	0
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1884	0	4122	1	6360	1	8598	1	10836	1	13074	0
1885	0	4123	1	6361	1	8599	0	10837	1	13075	1
1886	0	4124	1	6362	0	8600	1	10838	0	13076	1
1887	1	4125	0	6363	1	8601	1	10839	0	13077	0
1888	0	4126	0	6364	0	8602	1	10840	1	13078	0
1889	1	4127	0	6365	1	8603	1	10841	1	13079	0
1890	1	4128	0	6366	0	8604	1	10842	0	13080	0
1891	1	4129	0	6367	0	8605	0	10843	1	13081	1
1892	1	4130	0	6368	1	8606	0	10844	0	13082	1
1893	0	4131	1	6369	1	8607	0	10845	1	13083	0
1894	1	4132	1	6370	1	8608	0	10846	1	13084	1
1895	0	4133	0	6371	0	8609	1	10847	1	13085	0
1896	0	4134	1	6372	0	8610	1	10848	0	13086	0
1897	0	4135	0	6373	0	8611	0	10849	0	13087	1
1898	1	4136	1	6374	1	8612	0	10850	1	13088	1
1899	0	4137	1	6375	0	8613	1	10851	1	13089	0
1900	0	4138	0	6376	0	8614	1	10852	1	13090	1
1901	0	4139	1	6377	1	8615	1	10853	1	13091	1
1902	1	4140	1	6378	0	8616	1	10854	1	13092	1
1903	1	4141	1	6379	1	8617	1	10855	0	13093	1
1904	1	4142	1	6380	0	8618	0	10856	1	13094	0
1905	0	4143	0	6381	1	8619	1	10857	0	13095	1
1906	1	4144	1	6382	1	8620	0	10858	1	13096	1
1907	0	4145	0	6383	1	8621	0	10859	1	13097	0
1908	1	4146	1	6384	0	8622	0	10860	1	13098	1
1909	0	4147	0	6385	0	8623	1	10861	1	13099	0
1910	1	4148	1	6386	0	8624	1	10862	1	13100	0
1911	0	4149	1	6387	1	8625	1	10863	0	13101	0
1912	0	4150	0	6388	0	8626	0	10864	1	13102	0
1913	0	4151	1	6389	0	8627	1	10865	0	13103	0
1914	1	4152	0	6390	1	8628	1	10866	0	13104	0
1915	1	4153	0	6391	0	8629	0	10867	1	13105	1
1916	0	4154	0	6392	0	8630	0	10868	1	13106	0
1917	1	4155	1	6393	0	8631	0	10869	1	13107	0
1918	1	4156	1	6394	1	8632	0	10870	0	13108	1

1919	0	4157	1	6395	1	8633	0	10871	1	13109	0
1920	1	4158	1	6396	1	8634	1	10872	0	13110	0
1921	0	4159	0	6397	0	8635	0	10873	0	13111	0
1922	1	4160	1	6398	0	8636	1	10874	1	13112	1
1923	1	4161	1	6399	0	8637	0	10875	1	13113	0
1924	1	4162	1	6400	1	8638	1	10876	0	13114	0
1925	0	4163	0	6401	1	8639	1	10877	0	13115	1
1926	0	4164	0	6402	0	8640	0	10878	0	13116	1
1927	0	4165	1	6403	0	8641	0	10879	0	13117	1
1928	0	4166	0	6404	0	8642	1	10880	1	13118	0
1929	0	4167	1	6405	1	8643	0	10881	1	13119	0
1930	0	4168	1	6406	1	8644	1	10882	1	13120	1
1931	0	4169	1	6407	1	8645	1	10883	1	13121	1
1932	0	4170	1	6408	1	8646	1	10884	1	13122	0
1933	1	4171	1	6409	0	8647	0	10885	0	13123	1
1934	1	4172	1	6410	0	8648	1	10886	1	13124	0
1935	0	4173	1	6411	1	8649	0	10887	1	13125	1
1936	1	4174	1	6412	1	8650	1	10888	1	13126	1
1937	0	4175	0	6413	0	8651	1	10889	0	13127	0
1938	0	4176	0	6414	0	8652	1	10890	1	13128	0
1939	1	4177	0	6415	0	8653	0	10891	0	13129	0
1940	0	4178	0	6416	1	8654	0	10892	1	13130	0
1941	0	4179	1	6417	1	8655	0	10893	0	13131	0
1942	1	4180	0	6418	0	8656	0	10894	0	13132	1
1943	1	4181	0	6419	0	8657	1	10895	1	13133	1
1944	1	4182	1	6420	1	8658	1	10896	1	13134	1
1945	1	4183	0	6421	1	8659	1	10897	1	13135	1
1946	1	4184	0	6422	0	8660	1	10898	0	13136	0
1947	1	4185	1	6423	1	8661	1	10899	1	13137	0
1948	0	4186	1	6424	1	8662	0	10900	1	13138	1
1949	1	4187	1	6425	1	8663	1	10901	0	13139	0
1950	1	4188	0	6426	0	8664	1	10902	0	13140	0
1951	0	4189	1	6427	1	8665	1	10903	1	13141	1
1952	0	4190	1	6428	0	8666	0	10904	0	13142	0
1953	1	4191	1	6429	0	8667	1	10905	1	13143	1
1954	1	4192	1	6430	0	8668	0	10906	1	13144	1
1955	1	4193	0	6431	1	8669	0	10907	0	13145	1
1956	1	4194	0	6432	0	8670	1	10908	0	13146	1
1957	1	4195	1	6433	1	8671	0	10909	1	13147	1
1958	1	4196	0	6434	1	8672	0	10910	0	13148	0
1959	0	4197	0	6435	1	8673	0	10911	1	13149	0
1960	0	4198	1	6436	1	8674	0	10912	0	13150	1
1961	1	4199	1	6437	0	8675	0	10913	0	13151	1
1962	0	4200	0	6438	1	8676	1	10914	0	13152	1

1963	0	4201	0	6439	1	8677	1	10915	0	13153	0
1964	0	4202	1	6440	0	8678	1	10916	0	13154	1
1965	1	4203	0	6441	0	8679	1	10917	1	13155	1
1966	0	4204	1	6442	0	8680	0	10918	0	13156	0
1967	1	4205	0	6443	0	8681	1	10919	0	13157	0
1968	1	4206	1	6444	0	8682	1	10920	0	13158	1
1969	0	4207	0	6445	0	8683	1	10921	0	13159	0
1970	0	4208	1	6446	0	8684	0	10922	1	13160	1
1971	0	4209	1	6447	0	8685	1	10923	0	13161	1
1972	0	4210	0	6448	0	8686	0	10924	1	13162	0
1973	1	4211	1	6449	1	8687	1	10925	0	13163	1
1974	0	4212	1	6450	0	8688	1	10926	0	13164	0
1975	1	4213	1	6451	0	8689	0	10927	0	13165	0
1976	0	4214	0	6452	0	8690	1	10928	1	13166	0
1977	0	4215	0	6453	0	8691	0	10929	0	13167	0
1978	0	4216	0	6454	0	8692	1	10930	0	13168	0
1979	0	4217	0	6455	0	8693	0	10931	0	13169	1
1980	0	4218	0	6456	0	8694	0	10932	0	13170	0
1981	0	4219	0	6457	1	8695	1	10933	1	13171	1
1982	0	4220	0	6458	1	8696	1	10934	1	13172	1
1983	1	4221	1	6459	0	8697	1	10935	0	13173	0
1984	0	4222	1	6460	1	8698	1	10936	0	13174	0
1985	1	4223	1	6461	0	8699	1	10937	1	13175	1
1986	1	4224	1	6462	0	8700	0	10938	0	13176	1
1987	0	4225	0	6463	0	8701	0	10939	0	13177	0
1988	0	4226	0	6464	0	8702	1	10940	1	13178	0
1989	1	4227	1	6465	0	8703	1	10941	0	13179	1
1990	1	4228	1	6466	1	8704	0	10942	0	13180	1
1991	0	4229	0	6467	0	8705	1	10943	0	13181	1
1992	0	4230	1	6468	1	8706	0	10944	0	13182	1
1993	0	4231	1	6469	0	8707	1	10945	1	13183	1
1994	1	4232	0	6470	0	8708	0	10946	1	13184	0
1995	1	4233	0	6471	1	8709	0	10947	0	13185	0
1996	1	4234	1	6472	0	8710	0	10948	0	13186	0
1997	1	4235	1	6473	1	8711	1	10949	0	13187	1
1998	1	4236	0	6474	0	8712	0	10950	1	13188	0
1999	1	4237	0	6475	0	8713	0	10951	0	13189	1
2000	0	4238	1	6476	1	8714	1	10952	0	13190	1
2001	1	4239	1	6477	1	8715	1	10953	0	13191	0
2002	0	4240	1	6478	1	8716	0	10954	1	13192	0
2003	1	4241	0	6479	1	8717	0	10955	0	13193	1
2004	1	4242	0	6480	1	8718	1	10956	1	13194	1
2005	0	4243	1	6481	0	8719	1	10957	0	13195	0
2006	1	4244	0	6482	0	8720	1	10958	1	13196	0

2007	1	4245	1	6483	1	8721	1	10959	1	13197	1
2008	0	4246	0	6484	0	8722	1	10960	1	13198	0
2009	1	4247	0	6485	0	8723	0	10961	0	13199	0
2010	1	4248	0	6486	0	8724	1	10962	0	13200	1
2011	0	4249	0	6487	1	8725	1	10963	1	13201	0
2012	1	4250	1	6488	0	8726	1	10964	1	13202	1
2013	0	4251	0	6489	1	8727	1	10965	0	13203	0
2014	0	4252	1	6490	1	8728	0	10966	0	13204	1
2015	1	4253	0	6491	1	8729	1	10967	1	13205	1
2016	0	4254	1	6492	0	8730	1	10968	0	13206	1
2017	0	4255	0	6493	1	8731	1	10969	0	13207	1
2018	0	4256	1	6494	1	8732	1	10970	1	13208	0
2019	0	4257	0	6495	0	8733	1	10971	1	13209	0
2020	0	4258	1	6496	1	8734	1	10972	1	13210	1
2021	0	4259	1	6497	1	8735	0	10973	0	13211	0
2022	0	4260	0	6498	0	8736	0	10974	0	13212	1
2023	0	4261	1	6499	0	8737	1	10975	1	13213	0
2024	0	4262	1	6500	0	8738	1	10976	0	13214	0
2025	1	4263	1	6501	1	8739	0	10977	1	13215	1
2026	1	4264	0	6502	0	8740	1	10978	0	13216	0
2027	1	4265	0	6503	1	8741	0	10979	1	13217	1
2028	1	4266	0	6504	0	8742	0	10980	0	13218	0
2029	0	4267	1	6505	1	8743	0	10981	0	13219	1
2030	0	4268	1	6506	1	8744	0	10982	0	13220	1
2031	1	4269	1	6507	1	8745	0	10983	0	13221	0
2032	1	4270	1	6508	0	8746	0	10984	1	13222	1
2033	1	4271	1	6509	0	8747	0	10985	1	13223	0
2034	1	4272	0	6510	1	8748	0	10986	0	13224	0
2035	1	4273	0	6511	0	8749	0	10987	1	13225	1
2036	1	4274	1	6512	0	8750	1	10988	0	13226	1
2037	1	4275	1	6513	1	8751	0	10989	1	13227	1
2038	1	4276	1	6514	0	8752	0	10990	0	13228	0
2039	1	4277	0	6515	1	8753	0	10991	0	13229	1
2040	1	4278	1	6516	1	8754	0	10992	1	13230	0
2041	0	4279	0	6517	0	8755	1	10993	0	13231	1
2042	0	4280	0	6518	1	8756	0	10994	1	13232	0
2043	0	4281	1	6519	1	8757	1	10995	0	13233	1
2044	1	4282	1	6520	0	8758	1	10996	0	13234	0
2045	1	4283	0	6521	1	8759	0	10997	1	13235	1
2046	0	4284	0	6522	1	8760	1	10998	0	13236	1
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2051	0	4289	0	6527	1	8765	0	11003	1	13241	1
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2054	0	4292	0	6530	1	8768	0	11006	1	13244	0
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2056	1	4294	1	6532	1	8770	0	11008	0	13246	0
2057	0	4295	1	6533	0	8771	1	11009	0	13247	0
2058	1	4296	1	6534	1	8772	0	11010	0	13248	1
2059	1	4297	1	6535	0	8773	0	11011	0	13249	0
2060	1	4298	1	6536	0	8774	0	11012	0	13250	1
2061	1	4299	0	6537	0	8775	1	11013	1	13251	1
2062	1	4300	0	6538	1	8776	1	11014	1	13252	1
2063	0	4301	1	6539	0	8777	0	11015	0	13253	0
2064	0	4302	0	6540	1	8778	1	11016	0	13254	0
2065	0	4303	1	6541	0	8779	0	11017	0	13255	0
2066	0	4304	0	6542	0	8780	1	11018	1	13256	1
2067	0	4305	0	6543	0	8781	1	11019	0	13257	0
2068	0	4306	1	6544	1	8782	1	11020	1	13258	0
2069	0	4307	1	6545	0	8783	1	11021	0	13259	0
2070	1	4308	0	6546	0	8784	0	11022	1	13260	1
2071	0	4309	0	6547	0	8785	1	11023	1	13261	1
2072	1	4310	1	6548	0	8786	0	11024	1	13262	0
2073	0	4311	1	6549	0	8787	0	11025	1	13263	0
2074	0	4312	0	6550	0	8788	1	11026	0	13264	0
2075	0	4313	0	6551	1	8789	1	11027	0	13265	1
2076	0	4314	0	6552	1	8790	1	11028	0	13266	1
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2079	0	4317	1	6555	1	8793	1	11031	0	13269	0
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2081	1	4319	0	6557	1	8795	1	11033	1	13271	1
2082	1	4320	1	6558	0	8796	0	11034	1	13272	1
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2097	1	4335	0	6573	0	8811	1	11049	0	13287	1
2098	0	4336	1	6574	0	8812	1	11050	1	13288	1
2099	0	4337	1	6575	0	8813	1	11051	0	13289	0
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2104	0	4342	1	6580	1	8818	0	11056	0	13294	1
2105	1	4343	0	6581	1	8819	0	11057	0	13295	0
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2107	1	4345	0	6583	0	8821	0	11059	1	13297	0
2108	0	4346	0	6584	0	8822	0	11060	1	13298	0
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2110	1	4348	0	6586	0	8824	0	11062	0	13300	1
2111	1	4349	1	6587	0	8825	0	11063	0	13301	1
2112	1	4350	0	6588	1	8826	0	11064	0	13302	1
2113	1	4351	0	6589	1	8827	0	11065	1	13303	1
2114	1	4352	0	6590	1	8828	1	11066	1	13304	0
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2116	0	4354	0	6592	1	8830	1	11068	1	13306	0
2117	0	4355	0	6593	1	8831	1	11069	1	13307	1
2118	0	4356	1	6594	1	8832	1	11070	0	13308	1
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2121	1	4359	1	6597	1	8835	1	11073	0	13311	1
2122	1	4360	1	6598	1	8836	0	11074	0	13312	0
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2124	1	4362	0	6600	0	8838	1	11076	0	13314	1
2125	1	4363	1	6601	0	8839	0	11077	1	13315	0
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2127	0	4365	0	6603	0	8841	0	11079	1	13317	1
2128	1	4366	0	6604	0	8842	0	11080	0	13318	0
2129	1	4367	1	6605	0	8843	1	11081	0	13319	0
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2131	1	4369	1	6607	0	8845	0	11083	1	13321	0
2132	0	4370	0	6608	1	8846	1	11084	1	13322	0
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2135	0	4373	1	6611	0	8849	0	11087	1	13325	0
2136	0	4374	0	6612	1	8850	1	11088	1	13326	1
2137	0	4375	1	6613	0	8851	0	11089	0	13327	1
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2139	0	4377	0	6615	0	8853	1	11091	0	13329	1
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2141	1	4379	0	6617	0	8855	1	11093	0	13331	1
2142	1	4380	0	6618	1	8856	0	11094	0	13332	0
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2148	1	4386	0	6624	0	8862	1	11100	1	13338	1
2149	0	4387	0	6625	1	8863	1	11101	0	13339	1
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2151	0	4389	1	6627	0	8865	0	11103	0	13341	0
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2154	0	4392	1	6630	1	8868	1	11106	1	13344	1
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2160	0	4398	0	6636	0	8874	1	11112	1	13350	1
2161	0	4399	1	6637	0	8875	1	11113	0	13351	0
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2163	0	4401	0	6639	0	8877	0	11115	0	13353	1
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2166	0	4404	0	6642	1	8880	0	11118	1	13356	0
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2169	0	4407	0	6645	0	8883	1	11121	0	13359	1
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2172	0	4410	1	6648	0	8886	0	11124	0	13362	1
2173	1	4411	0	6649	0	8887	0	11125	0	13363	0
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2178	1	4416	1	6654	1	8892	1	11130	1	13368	0
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2180	1	4418	1	6656	0	8894	0	11132	0	13370	1
2181	1	4419	0	6657	0	8895	1	11133	1	13371	1
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2183	1	4421	1	6659	1	8897	0	11135	1	13373	1
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2185	0	4423	0	6661	0	8899	1	11137	0	13375	1
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2192	0	4430	1	6668	1	8906	0	11144	0	13382	1
2193	0	4431	1	6669	0	8907	1	11145	0	13383	0
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2195	1	4433	1	6671	0	8909	0	11147	0	13385	1
2196	1	4434	0	6672	1	8910	1	11148	1	13386	1
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2198	0	4436	0	6674	1	8912	0	11150	0	13388	0
2199	1	4437	1	6675	1	8913	1	11151	1	13389	1
2200	0	4438	0	6676	0	8914	0	11152	1	13390	0
2201	1	4439	0	6677	0	8915	0	11153	1	13391	0
2202	0	4440	0	6678	0	8916	0	11154	1	13392	0
2203	1	4441	1	6679	1	8917	1	11155	1	13393	0
2204	0	4442	1	6680	1	8918	1	11156	1	13394	1
2205	1	4443	1	6681	0	8919	0	11157	0	13395	0
2206	0	4444	1	6682	0	8920	0	11158	0	13396	0
2207	1	4445	1	6683	0	8921	0	11159	1	13397	1
2208	0	4446	0	6684	1	8922	1	11160	0	13398	0
2209	0	4447	0	6685	1	8923	1	11161	1	13399	1
2210	0	4448	1	6686	0	8924	0	11162	1	13400	1
2211	1	4449	1	6687	1	8925	0	11163	1	13401	0
2212	0	4450	1	6688	1	8926	1	11164	1	13402	0
2213	1	4451	1	6689	0	8927	1	11165	0	13403	0
2214	1	4452	1	6690	0	8928	1	11166	1	13404	0
2215	1	4453	1	6691	0	8929	0	11167	1	13405	1
2216	1	4454	1	6692	0	8930	0	11168	0	13406	0
2217	0	4455	1	6693	1	8931	0	11169	0	13407	0
2218	1	4456	0	6694	1	8932	0	11170	1	13408	1
2219	0	4457	0	6695	0	8933	1	11171	1	13409	0
2220	0	4458	1	6696	1	8934	1	11172	1	13410	0
2221	1	4459	0	6697	0	8935	0	11173	0	13411	1
2222	1	4460	1	6698	1	8936	0	11174	1	13412	0
2223	1	4461	0	6699	1	8937	0	11175	0	13413	1
2224	0	4462	0	6700	1	8938	1	11176	0	13414	1
2225	0	4463	0	6701	1	8939	1	11177	1	13415	1
2226	0	4464	1	6702	0	8940	0	11178	0	13416	1

2227	0	4465	0	6703	1	8941	1	11179	0	13417	1
2228	0	4466	0	6704	1	8942	0	11180	1	13418	1
2229	0	4467	1	6705	1	8943	0	11181	0	13419	0
2230	1	4468	0	6706	1	8944	0	11182	0	13420	1
2231	1	4469	0	6707	1	8945	1	11183	0	13421	0
2232	0	4470	0	6708	1	8946	1	11184	1	13422	1
2233	0	4471	0	6709	1	8947	0	11185	0	13423	0
2234	1	4472	0	6710	0	8948	0	11186	0	13424	0
2235	0	4473	0	6711	0	8949	0	11187	0	13425	0
2236	0	4474	0	6712	1	8950	1	11188	0	13426	1
2237	0	4475	1	6713	1	8951	1	11189	1		

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