

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

$$(a, b) = (z^6 + z^5 + z^2, z + 1)$$

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ABSTRACT. The continued fraction conjecture claims that the continued fraction defined by the (a, b) -Thue-Morse sequence is algebraic over $\mathbb{F}_2(x)$ for all pairs of distinct elements (a, b) in $\mathbb{F}_2[x] \setminus \mathbb{F}_2$. In this paper we prove the conjecture for $(a, b) = (z^6 + z^5 + z^2, z + 1)$.

1. INTRODUCTION

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

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

as the limit of the finite continued fractions

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

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

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

admits a continued fraction expansion of form (1.1).

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

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

that we shall denote

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

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Theorem 1.1. *When $(a, b) = (z^6 + z^5 + z^2, z + 1)$, the two power series $\text{CF}(a, b)$ and $\text{CF}(b, a)$ are algebraic over $\mathbb{F}_2(z)$, with minimal polynomials of the form*

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

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{16} + z^{15} + z^{13} + z^{11} + z^{10} + z^8 + z^6 + z^4 + z^3 + z^2 + 1, \\ p_1(z) &= z^{27} + z^{26} + z^{23} + z^{21} + z^{17} + z^{15} + z^{14} + z^{13} + z^{12} + z^{11} + z^9 + z^8 + z^7 \\ &\quad + z^6 + z^4 + z^2, \\ p_2(z) &= z^{28} + z^{26} + z^{24} + z^{22} + z^{16} + z^{14} + z^8 + z^4, \\ p_3(z) &= z^{27} + z^{26} + z^{23} + z^{21} + z^{17} + z^{15} + z^{14} + z^{13} + z^{12} + z^{11} + z^9 + z^8 + z^7 \\ &\quad + z^6 + z^4 + z^2, \\ p_4(z) &= z^{26} + z^{22} + z^{21} + z^{15} + z^{14} + z^{13} + z^{12} + z^{11} + z^{10} + z^6 + z^4 + z^3 + z^2, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{24} + z^{21} + z^{20} + z^{16} + z^{15} + z^{13} + z^{11} + z^{10} + z^6 + z^3 + z^2, \\ p_1(z) &= z^{27} + z^{26} + z^{23} + z^{21} + z^{17} + z^{15} + z^{14} + z^{13} + z^{12} + z^{11} + z^9 + z^8 + z^7 \\ &\quad + z^6 + z^4 + z^2, \\ p_2(z) &= z^{28} + z^{26} + z^{24} + z^{22} + z^{16} + z^{14} + z^8 + z^4, \\ p_3(z) &= z^{27} + z^{26} + z^{23} + z^{21} + z^{17} + z^{15} + z^{14} + z^{13} + z^{12} + z^{11} + z^9 + z^8 + z^7 \\ &\quad + z^6 + z^4 + z^2, \\ p_4(z) &= z^{26} + z^{24} + z^{22} + z^{21} + z^{20} + z^{15} + z^{14} + z^{13} + z^{12} + z^{11} + z^{10} + z^8 \\ &\quad + z^6 + z^3 + z^2 + 1. \end{aligned}$$

2. PROOF

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

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

By the basic properties of continued fractions, we have

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

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

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

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

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

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

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

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

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

for some positive integer d_n . Hence,

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

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

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

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

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

of the vector

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

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

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

Lemma 2.1. *We have*

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

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

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

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

Proof. We give the proof of the identity

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

the proofs of the others being similar.

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

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

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

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

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

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

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

Define

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

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

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

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

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

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

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 $u = 2^{2k}$,

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

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

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

which can be rewritten as

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

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

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

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

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 13313 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

$$\begin{aligned}
(2.21) \quad 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 111)), \\
&0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) \\
(2.22) \quad &+ \tau(A(s, 1000)), \\
&0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
(2.23) \quad &+ \tau(A(s, 1001)), \\
&0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\
(2.24) \quad &+ \tau(A(s, 1010)), \\
&0 = \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\
(2.25) \quad &+ \tau(A(s, 1011)), \\
&0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\
(2.26) \quad &+ \tau(A(s, 110)) + \tau(A(s, 1100)), \\
&0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 101))
\end{aligned}$$

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

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

$$(2.28) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 111)),$$

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

$$(2.29) \quad + \tau(A(s, 1000)),$$

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

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

$$0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101))$$

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

$$0 = \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 110))$$

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

$$0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101))$$

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

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

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

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{76}), E_{76}) = (A(i, 0^{20}), E_{20})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 38$, which turns out to be true. $\square$

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

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

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

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

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

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

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

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

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

We give the proof of

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

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

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

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

$$W^e[:14v]M^e[:14v] + x^{10v}W^e[:4v]M^e[:4v] + x^{12v}W^e[:2v]M^e[:2v].$$

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

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

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

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

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

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

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

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

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

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

Define

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

where

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{25} + x^{24} + x^{22} + x^{20} + x^{18} + x^{17} + x^{15} + x^{13} + x^{12} + x^7, \\ q_1(x) &= x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{11} \\ &\quad + x^7 + x^5 + x^2 + x, \\ q_2(x) &= x^{24} + x^{20} + x^{14} + x^{12} + x^6 + x^4 + x^2 + 1, \\ q_3(x) &= x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{11} \end{aligned}$$

$$\begin{aligned}
& + x^7 + x^5 + x^2 + x, \\
q_4(x) &= x^{26} + x^{25} + x^{24} + x^{22} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^7 + x^6 \\
& + x^2.
\end{aligned}$$

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

$$\begin{aligned}
p_0(x) &= x^{132} + x^{130} + x^{124} + x^{120} + x^{116} + x^{114} + x^{112} + x^{110} + x^{106} + x^{104} \\
& + x^{98} + x^{92} + x^{86} + x^{84} + x^{82} + x^{78} + x^{76} + x^{74} + x^{72} + x^{68} + x^{66} \\
& + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{38} + x^{36} + x^{30} + x^{28} + x^{24} + x^{22} \\
& + x^{20} + x^{14} + x^{12}, \\
p_3(x) &= x^{126} + x^{124} + x^{122} + x^{120} + x^{118} + x^{108} + x^{104} + x^{100} + x^{94} + x^{92} \\
& + x^{88} + x^{84} + x^{80} + x^{78} + x^{48} + x^{46} + x^{42} + x^{40} + x^{36} + x^{34} + x^{32} \\
& + x^{30} + x^{28} + x^{26} + x^{22} + x^{18} + x^{16} + x^8, \\
p_6(x) &= x^{126} + x^{112} + x^{106} + x^{104} + x^{102} + x^{100} + x^{96} + x^{92} + x^{86} + x^{80} \\
& + x^{76} + x^{68} + x^{66} + x^{62} + x^{54} + x^{50} + x^{46} + x^{42} + x^{38} + x^{36} + x^{34} \\
& + x^{26} + x^{24} + x^{20} + x^{16} + x^{14} + x^{10} + x^6 + x^4 + 1, \\
p_9(x) &= x^{128} + x^{124} + x^{122} + x^{118} + x^{108} + x^{106} + x^{102} + x^{98} + x^{94} + x^{90} \\
& + x^{86} + x^{82} + x^{76} + x^{74} + x^{72} + x^{70} + x^{64} + x^{60} + x^{54} + x^{52} + x^{42} \\
& + x^{40} + x^{36} + x^{32} + x^{28} + x^{16} + x^4 + x^2, \\
p_{12}(x) &= x^{128} + x^{122} + x^{114} + x^{106} + x^{98} + x^{96} + x^{80} + x^{74} + x^{66} + x^{64} + x^{32} \\
& + x^{26} + x^{18} + x^{10} + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{143} + x^{141} + x^{140} + x^{139} + x^{136} + x^{134} + x^{131} + x^{128} \\
& + x^{127} + x^{125} + x^{122} + x^{121} + x^{115} + x^{114} + x^{112} + x^{108} + x^{107} \\
& + x^{105} + x^{102} + x^{101} + x^{99} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{87}
\end{aligned}$$

$$\begin{aligned}
& + x^{86} + x^{85} + x^{82} + x^{81} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} + x^{65} \\
& + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{52} + x^{50} + x^{49} + x^{47} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{32} + x^{29} + x^{27}, \\
p_3(x) = & x^{143} + x^{142} + x^{141} + x^{139} + x^{134} + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} \\
& + x^{126} + x^{124} + x^{122} + x^{119} + x^{116} + x^{115} + x^{114} + x^{113} + x^{111} \\
& + x^{110} + x^{109} + x^{107} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} + x^{93} + x^{92} \\
& + x^{91} + x^{90} + x^{85} + x^{80} + x^{78} + x^{77} + x^{75} + x^{73} + x^{72} + x^{68} + x^{67} \\
& + x^{66} + x^{64} + x^{62} + x^{59} + x^{57} + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{46} \\
& + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} + x^{31} + x^{30} + x^{27} \\
& + x^{24} + x^{23} + x^{22} + x^{20} + x^{18} + x^{15} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) = & x^{141} + x^{140} + x^{138} + x^{136} + x^{131} + x^{130} + x^{129} + x^{125} + x^{122} + x^{120} \\
& + x^{119} + x^{118} + x^{117} + x^{113} + x^{111} + x^{106} + x^{99} + x^{98} + x^{96} + x^{95} \\
& + x^{92} + x^{91} + x^{89} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{75} + x^{73} + x^{72} \\
& + x^{69} + x^{66} + x^{65} + x^{62} + x^{61} + x^{58} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} \\
& + x^{48} + x^{47} + x^{44} + x^{43} + x^{41} + x^{37} + x^{34} + x^{33} + x^{30} + x^{29} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{17} + x^{15} + x^{13} + x^{12} + x^{11} \\
& + x^{10} + x^6, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} + x^{127} + x^{125} \\
& + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{118} + x^{116} + x^{113} + x^{111} \\
& + x^{109} + x^{106} + x^{103} + x^{102} + x^{98} + x^{95} + x^{94} + x^{90} + x^{89} + x^{88} \\
& + x^{87} + x^{83} + x^{82} + x^{81} + x^{79} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} \\
& + x^{66} + x^{65} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{50} + x^{47} + x^{45} + x^{43} \\
& + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{25} \\
& + x^{21} + x^{20} + x^{18} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^8 + x^7 + x^4 + x^3, \\
p_{12}(x) = & x^{137} + x^{136} + x^{134} + x^{133} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
& + x^{118} + x^{116} + x^{109} + x^{108} + x^{106} + x^{104} + x^{101} + x^{100} + x^{98} + x^{96} \\
& + x^{89} + x^{88} + x^{86} + x^{85} + x^{82} + x^{80} + x^{77} + x^{76} + x^{74} + x^{72} + x^{69} \\
& + x^{68} + x^{66} + x^{64} + x^{41} + x^{40} + x^{38} + x^{37} + x^{34} + x^{32} + x^{29} + x^{28} \\
& + x^{26} + x^{25} + x^{22} + x^{20} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{144} + x^{143} + x^{141} + x^{140} + x^{139} + x^{136} + x^{134} + x^{131} + x^{128} \\
& + x^{127} + x^{125} + x^{122} + x^{121} + x^{115} + x^{114} + x^{112} + x^{108} + x^{107} \\
& + x^{105} + x^{102} + x^{101} + x^{99} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{87} \\
& + x^{86} + x^{85} + x^{82} + x^{81} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} + x^{65}
\end{aligned}$$

$$\begin{aligned}
& + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{52} + x^{50} + x^{49} + x^{47} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{32} + x^{29} + x^{27}, \\
p_3(x) = & x^{143} + x^{142} + x^{141} + x^{139} + x^{134} + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} \\
& + x^{126} + x^{124} + x^{122} + x^{119} + x^{116} + x^{115} + x^{114} + x^{113} + x^{111} \\
& + x^{110} + x^{109} + x^{107} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} + x^{93} + x^{92} \\
& + x^{91} + x^{90} + x^{85} + x^{80} + x^{78} + x^{77} + x^{75} + x^{73} + x^{72} + x^{68} + x^{67} \\
& + x^{66} + x^{64} + x^{62} + x^{59} + x^{57} + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{46} \\
& + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} + x^{31} + x^{30} + x^{27} \\
& + x^{24} + x^{23} + x^{22} + x^{20} + x^{18} + x^{15} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) = & x^{141} + x^{140} + x^{138} + x^{136} + x^{131} + x^{130} + x^{129} + x^{125} + x^{122} + x^{120} \\
& + x^{119} + x^{118} + x^{117} + x^{113} + x^{111} + x^{106} + x^{99} + x^{98} + x^{96} + x^{95} \\
& + x^{92} + x^{91} + x^{89} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{75} + x^{73} + x^{72} \\
& + x^{69} + x^{66} + x^{65} + x^{62} + x^{61} + x^{58} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} \\
& + x^{48} + x^{47} + x^{44} + x^{43} + x^{41} + x^{37} + x^{34} + x^{33} + x^{30} + x^{29} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{17} + x^{15} + x^{13} + x^{12} + x^{11} \\
& + x^{10} + x^6, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} + x^{127} + x^{125} \\
& + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{118} + x^{116} + x^{113} + x^{111} \\
& + x^{109} + x^{106} + x^{103} + x^{102} + x^{98} + x^{95} + x^{94} + x^{90} + x^{89} + x^{88} \\
& + x^{87} + x^{83} + x^{82} + x^{81} + x^{79} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} \\
& + x^{66} + x^{65} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{50} + x^{47} + x^{45} + x^{43} \\
& + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{25} \\
& + x^{21} + x^{20} + x^{18} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^8 + x^7 + x^4 + x^3, \\
p_{12}(x) = & x^{137} + x^{136} + x^{134} + x^{133} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
& + x^{118} + x^{116} + x^{109} + x^{108} + x^{106} + x^{104} + x^{101} + x^{100} + x^{98} + x^{96} \\
& + x^{89} + x^{88} + x^{86} + x^{85} + x^{82} + x^{80} + x^{77} + x^{76} + x^{74} + x^{72} + x^{69} \\
& + x^{68} + x^{66} + x^{64} + x^{41} + x^{40} + x^{38} + x^{37} + x^{34} + x^{32} + x^{29} + x^{28} \\
& + x^{26} + x^{25} + x^{22} + x^{20} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{162} + x^{160} + x^{158} + x^{152} + x^{146} + x^{142} + x^{138} + x^{136} + x^{132} + x^{130} \\
& + x^{126} + x^{122} + x^{120} + x^{118} + x^{108} + x^{106} + x^{104} + x^{102} + x^{100} \\
& + x^{92} + x^{90} + x^{88} + x^{84} + x^{76} + x^{70} + x^{68} + x^{60} + x^{56} + x^{50} + x^{44} \\
& + x^{42}, \\
p_3(x) = & x^{150} + x^{148} + x^{146} + x^{142} + x^{138} + x^{134} + x^{132} + x^{130} + x^{112} + x^{108}
\end{aligned}$$

$$\begin{aligned}
& + x^{104} + x^{98} + x^{96} + x^{92} + x^{90} + x^{88} + x^{84} + x^{82} + x^{78} + x^{66} + x^{64} \\
& + x^{62} + x^{58} + x^{56} + x^{54} + x^{52} + x^{48} + x^{46} + x^{44} + x^{40} + x^{38} + x^{36} \\
& + x^{34} + x^{24} + x^{22} + x^{20} + x^{16} + x^{14} + x^8 + x^6, \\
p_6(x) &= x^{150} + x^{148} + x^{144} + x^{132} + x^{122} + x^{120} + x^{114} + x^{112} + x^{110} + x^{102} \\
& + x^{98} + x^{94} + x^{88} + x^{84} + x^{82} + x^{80} + x^{78} + x^{72} + x^{68} + x^{66} + x^{60} \\
& + x^{58} + x^{56} + x^{52} + x^{48} + x^{46} + x^{44} + x^{34} + x^{30} + x^{28} + x^{26} + x^{24} \\
& + x^{12} + x^8 + x^6 + 1, \\
p_9(x) &= x^{146} + x^{144} + x^{142} + x^{140} + x^{132} + x^{124} + x^{114} + x^{112} + x^{108} + x^{106} \\
& + x^{100} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} \\
& + x^{68} + x^{66} + x^{62} + x^{58} + x^{52} + x^{50} + x^{44} + x^{42} + x^{40} + x^{36} + x^{34} \\
& + x^{30} + x^{28} + x^{26} + x^{22} + x^{20} + x^{18} + x^{16} + x^{10} + x^4 + x^2, \\
p_{12}(x) &= x^{146} + x^{144} + x^{130} + x^{128} + x^{122} + x^{120} + x^{114} + x^{112} + x^{106} + x^{104} \\
& + x^{74} + x^{72} + x^{66} + x^{64} + x^{50} + x^{48} + x^{34} + x^{32} + x^{26} + x^{24} + x^{18} \\
& + x^{16} + x^{10} + x^8 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{162} + x^{160} + x^{158} + x^{154} + x^{144} + x^{142} + x^{140} + x^{138} + x^{130} + x^{128} \\
& + x^{124} + x^{120} + x^{118} + x^{106} + x^{104} + x^{100} + x^{98} + x^{90} + x^{88} + x^{84} \\
& + x^{80} + x^{78} + x^{66} + x^{62} + x^{60} + x^{58} + x^{56} + x^{50} + x^{48} + x^{46} + x^{44} \\
& + x^{38} + x^{34} + x^{30} + x^{28} + x^{26} + x^{20} + x^{18} + x^{16} + x^{14} + x^{12}, \\
p_3(x) &= x^{150} + x^{148} + x^{146} + x^{140} + x^{136} + x^{132} + x^{130} + x^{122} + x^{120} + x^{118} \\
& + x^{112} + x^{110} + x^{108} + x^{106} + x^{96} + x^{90} + x^{86} + x^{82} + x^{76} + x^{70} \\
& + x^{66} + x^{64} + x^{60} + x^{58} + x^{54} + x^{52} + x^{50} + x^{44} + x^{42} + x^{38} + x^{36} \\
& + x^{32} + x^{28} + x^{26} + x^{24} + x^{18} + x^{10} + x^8, \\
p_6(x) &= x^{150} + x^{148} + x^{144} + x^{142} + x^{140} + x^{134} + x^{132} + x^{130} + x^{128} + x^{122} \\
& + x^{120} + x^{116} + x^{114} + x^{112} + x^{110} + x^{108} + x^{106} + x^{104} + x^{100} \\
& + x^{98} + x^{96} + x^{94} + x^{92} + x^{90} + x^{88} + x^{84} + x^{78} + x^{74} + x^{70} + x^{68} \\
& + x^{66} + x^{60} + x^{56} + x^{54} + x^{50} + x^{46} + x^{32} + x^{30} + x^{24} + x^6 + x^4 + 1, \\
p_9(x) &= x^{146} + x^{144} + x^{142} + x^{140} + x^{132} + x^{124} + x^{114} + x^{112} + x^{108} + x^{106} \\
& + x^{100} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} \\
& + x^{68} + x^{66} + x^{62} + x^{58} + x^{52} + x^{50} + x^{44} + x^{42} + x^{40} + x^{36} + x^{34} \\
& + x^{30} + x^{28} + x^{26} + x^{22} + x^{20} + x^{18} + x^{16} + x^{10} + x^4 + x^2, \\
p_{12}(x) &= x^{146} + x^{144} + x^{130} + x^{128} + x^{122} + x^{120} + x^{114} + x^{112} + x^{106} + x^{104} \\
& + x^{74} + x^{72} + x^{66} + x^{64} + x^{50} + x^{48} + x^{34} + x^{32} + x^{26} + x^{24} + x^{18} \\
& + x^{16} + x^{10} + x^8 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{133} + x^{132} \\
&\quad + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{116} \\
&\quad + x^{115} + x^{109} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{98} + x^{97} \\
&\quad + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} + x^{88} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} \\
&\quad + x^{80} + x^{79} + x^{78} + x^{75} + x^{74} + x^{71} + x^{68} + x^{63} + x^{62} + x^{57} + x^{53} \\
&\quad + x^{51} + x^{50} + x^{48} + x^{45} + x^{44} + x^{38} + x^{37} + x^{34} + x^{33} + x^{31} + x^{29} \\
&\quad + x^{27} + x^{26} + x^{22} + x^{21} + x^{18}, \\
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{139} + x^{134} + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} \\
&\quad + x^{126} + x^{124} + x^{122} + x^{119} + x^{116} + x^{115} + x^{114} + x^{113} + x^{111} \\
&\quad + x^{110} + x^{109} + x^{107} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} + x^{93} + x^{92} \\
&\quad + x^{91} + x^{90} + x^{85} + x^{80} + x^{78} + x^{77} + x^{75} + x^{73} + x^{72} + x^{68} + x^{67} \\
&\quad + x^{66} + x^{64} + x^{62} + x^{59} + x^{57} + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{46} \\
&\quad + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} + x^{31} + x^{30} + x^{27} \\
&\quad + x^{24} + x^{23} + x^{22} + x^{20} + x^{18} + x^{15} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) &= x^{141} + x^{140} + x^{138} + x^{136} + x^{131} + x^{130} + x^{129} + x^{125} + x^{122} + x^{120} \\
&\quad + x^{119} + x^{118} + x^{117} + x^{113} + x^{111} + x^{106} + x^{99} + x^{98} + x^{96} + x^{95} \\
&\quad + x^{92} + x^{91} + x^{89} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{75} + x^{73} + x^{72} \\
&\quad + x^{69} + x^{66} + x^{65} + x^{62} + x^{61} + x^{58} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} \\
&\quad + x^{48} + x^{47} + x^{44} + x^{43} + x^{41} + x^{37} + x^{34} + x^{33} + x^{30} + x^{29} + x^{27} \\
&\quad + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{17} + x^{15} + x^{13} + x^{12} + x^{11} \\
&\quad + x^{10} + x^6, \\
p_9(x) &= x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} + x^{127} + x^{125} \\
&\quad + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{118} + x^{116} + x^{113} + x^{111} \\
&\quad + x^{109} + x^{106} + x^{103} + x^{102} + x^{98} + x^{95} + x^{94} + x^{90} + x^{89} + x^{88} \\
&\quad + x^{87} + x^{83} + x^{82} + x^{81} + x^{79} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} \\
&\quad + x^{66} + x^{65} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{50} + x^{47} + x^{45} + x^{43} \\
&\quad + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{25} \\
&\quad + x^{21} + x^{20} + x^{18} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^8 + x^7 + x^4 + x^3, \\
p_{12}(x) &= x^{137} + x^{136} + x^{134} + x^{133} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
&\quad + x^{118} + x^{116} + x^{109} + x^{108} + x^{106} + x^{104} + x^{101} + x^{100} + x^{98} + x^{96} \\
&\quad + x^{89} + x^{88} + x^{86} + x^{85} + x^{82} + x^{80} + x^{77} + x^{76} + x^{74} + x^{72} + x^{69} \\
&\quad + x^{68} + x^{66} + x^{64} + x^{41} + x^{40} + x^{38} + x^{37} + x^{34} + x^{32} + x^{29} + x^{28} \\
&\quad + x^{26} + x^{25} + x^{22} + x^{20} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{133} + x^{132} \\
&\quad + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{116} \\
&\quad + x^{115} + x^{109} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{98} + x^{97} \\
&\quad + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} + x^{88} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} \\
&\quad + x^{80} + x^{79} + x^{78} + x^{75} + x^{74} + x^{71} + x^{68} + x^{63} + x^{62} + x^{57} + x^{53} \\
&\quad + x^{51} + x^{50} + x^{48} + x^{45} + x^{44} + x^{38} + x^{37} + x^{34} + x^{33} + x^{31} + x^{29} \\
&\quad + x^{27} + x^{26} + x^{22} + x^{21} + x^{18}, \\
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{139} + x^{134} + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} \\
&\quad + x^{126} + x^{124} + x^{122} + x^{119} + x^{116} + x^{115} + x^{114} + x^{113} + x^{111} \\
&\quad + x^{110} + x^{109} + x^{107} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} + x^{93} + x^{92} \\
&\quad + x^{91} + x^{90} + x^{85} + x^{80} + x^{78} + x^{77} + x^{75} + x^{73} + x^{72} + x^{68} + x^{67} \\
&\quad + x^{66} + x^{64} + x^{62} + x^{59} + x^{57} + x^{54} + x^{53} + x^{52} + x^{50} + x^{49} + x^{46} \\
&\quad + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} + x^{31} + x^{30} + x^{27} \\
&\quad + x^{24} + x^{23} + x^{22} + x^{20} + x^{18} + x^{15} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) &= x^{141} + x^{140} + x^{138} + x^{136} + x^{131} + x^{130} + x^{129} + x^{125} + x^{122} + x^{120} \\
&\quad + x^{119} + x^{118} + x^{117} + x^{113} + x^{111} + x^{106} + x^{99} + x^{98} + x^{96} + x^{95} \\
&\quad + x^{92} + x^{91} + x^{89} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{75} + x^{73} + x^{72} \\
&\quad + x^{69} + x^{66} + x^{65} + x^{62} + x^{61} + x^{58} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} \\
&\quad + x^{48} + x^{47} + x^{44} + x^{43} + x^{41} + x^{37} + x^{34} + x^{33} + x^{30} + x^{29} + x^{27} \\
&\quad + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{17} + x^{15} + x^{13} + x^{12} + x^{11} \\
&\quad + x^{10} + x^6, \\
p_9(x) &= x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} + x^{127} + x^{125} \\
&\quad + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{118} + x^{116} + x^{113} + x^{111} \\
&\quad + x^{109} + x^{106} + x^{103} + x^{102} + x^{98} + x^{95} + x^{94} + x^{90} + x^{89} + x^{88} \\
&\quad + x^{87} + x^{83} + x^{82} + x^{81} + x^{79} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} \\
&\quad + x^{66} + x^{65} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{50} + x^{47} + x^{45} + x^{43} \\
&\quad + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{25} \\
&\quad + x^{21} + x^{20} + x^{18} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^8 + x^7 + x^4 + x^3, \\
p_{12}(x) &= x^{137} + x^{136} + x^{134} + x^{133} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
&\quad + x^{118} + x^{116} + x^{109} + x^{108} + x^{106} + x^{104} + x^{101} + x^{100} + x^{98} + x^{96} \\
&\quad + x^{89} + x^{88} + x^{86} + x^{85} + x^{82} + x^{80} + x^{77} + x^{76} + x^{74} + x^{72} + x^{69} \\
&\quad + x^{68} + x^{66} + x^{64} + x^{41} + x^{40} + x^{38} + x^{37} + x^{34} + x^{32} + x^{29} + x^{28} \\
&\quad + x^{26} + x^{25} + x^{22} + x^{20} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{132} + x^{130} + x^{128} + x^{124} + x^{120} + x^{116} + x^{114} + x^{104} + x^{94} + x^{92} \\
&\quad + x^{90} + x^{84} + x^{78} + x^{72} + x^{68} + x^{66} + x^{60} + x^{56} + x^{54} + x^{52} + x^{44} \\
&\quad + x^{40} + x^{38} + x^{36} + x^{30} + x^{26} + x^{24}, \\
p_3(x) &= x^{126} + x^{122} + x^{116} + x^{112} + x^{110} + x^{106} + x^{104} + x^{102} + x^{100} + x^{86} \\
&\quad + x^{84} + x^{80} + x^{78} + x^{74} + x^{68} + x^{64} + x^{62} + x^{60} + x^{54} + x^{44} + x^{32} \\
&\quad + x^{26} + x^{22} + x^{20} + x^{16} + x^{10} + x^8 + x^6, \\
p_6(x) &= x^{126} + x^{124} + x^{118} + x^{116} + x^{114} + x^{112} + x^{110} + x^{108} + x^{104} + x^{96} \\
&\quad + x^{92} + x^{82} + x^{80} + x^{76} + x^{72} + x^{66} + x^{60} + x^{58} + x^{56} + x^{52} + x^{50} \\
&\quad + x^{48} + x^{46} + x^{44} + x^{40} + x^{36} + x^{30} + x^{26} + x^{22} + x^{16} + x^{10} + x^8 \\
&\quad + x^6 + 1, \\
p_9(x) &= x^{128} + x^{124} + x^{122} + x^{118} + x^{108} + x^{106} + x^{102} + x^{98} + x^{94} + x^{90} \\
&\quad + x^{86} + x^{82} + x^{76} + x^{74} + x^{72} + x^{70} + x^{64} + x^{60} + x^{54} + x^{52} + x^{42} \\
&\quad + x^{40} + x^{36} + x^{32} + x^{28} + x^{16} + x^4 + x^2, \\
p_{12}(x) &= x^{128} + x^{122} + x^{114} + x^{106} + x^{98} + x^{96} + x^{80} + x^{74} + x^{66} + x^{64} + x^{32} \\
&\quad + x^{26} + x^{18} + x^{10} + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{140} + x^{139} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{128} \\
&\quad + x^{127} + x^{126} + x^{125} + x^{124} + x^{122} + x^{121} + x^{118} + x^{115} + x^{113} \\
&\quad + x^{108} + x^{106} + x^{104} + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{96} + x^{94} \\
&\quad + x^{93} + x^{91} + x^{90} + x^{89} + x^{87} + x^{84} + x^{83} + x^{82} + x^{80} + x^{78} + x^{77} \\
&\quad + x^{76} + x^{70} + x^{69} + x^{68} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} \\
&\quad + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{44} + x^{43} \\
&\quad + x^{41} + x^{39} + x^{36} + x^{35} + x^{34} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} + x^{25} \\
&\quad + x^{18} + x^{17} + x^{16} + x^{12}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{139} + x^{132} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{127} + x^{125} + x^{121} + x^{120} + x^{119} + x^{118} + x^{111} + x^{109} + x^{108} \\
&\quad + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} \\
&\quad + x^{90} + x^{89} + x^{88} + x^{86} + x^{85} + x^{81} + x^{80} + x^{77} + x^{76} + x^{75} + x^{73} \\
&\quad + x^{72} + x^{70} + x^{68} + x^{67} + x^{63} + x^{61} + x^{60} + x^{58} + x^{57} + x^{56} + x^{54} \\
&\quad + x^{53} + x^{52} + x^{49} + x^{48} + x^{45} + x^{44} + x^{43} + x^{38} + x^{37} + x^{36} + x^{34} \\
&\quad + x^{32} + x^{28} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{20} + x^{18} + x^{17} + x^{13} \\
&\quad + x^8,
\end{aligned}$$

$$\begin{aligned}
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{139} + x^{135} + x^{133} + x^{126} + x^{124} \\
&\quad + x^{119} + x^{118} + x^{115} + x^{113} + x^{112} + x^{111} + x^{108} + x^{107} + x^{106} \\
&\quad + x^{103} + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{88} \\
&\quad + x^{83} + x^{82} + x^{78} + x^{77} + x^{74} + x^{73} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} \\
&\quad + x^{61} + x^{60} + x^{59} + x^{56} + x^{55} + x^{54} + x^{50} + x^{49} + x^{46} + x^{45} + x^{43} \\
&\quad + x^{41} + x^{40} + x^{38} + x^{36} + x^{34} + x^{33} + x^{30} + x^{28} + x^{26} + x^{25} + x^{21} \\
&\quad + x^{19} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^9 + x^8 + x^5 + x^2 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{137} + x^{134} + x^{132} + x^{129} + x^{128} \\
&\quad + x^{126} + x^{124} + x^{109} + x^{108} + x^{106} + x^{105} + x^{102} + x^{100} + x^{97} + x^{96} \\
&\quad + x^{94} + x^{93} + x^{90} + x^{89} + x^{86} + x^{84} + x^{77} + x^{76} + x^{74} + x^{73} + x^{70} \\
&\quad + x^{68} + x^{49} + x^{48} + x^{46} + x^{45} + x^{42} + x^{41} + x^{38} + x^{36} + x^{33} + x^{32} \\
&\quad + x^{30} + x^{28} + x^{13} + x^{12} + x^{10} + x^9 + x^6 + x^4, \\
p_{12}(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{136} + x^{133} + x^{132} + x^{130} + x^{129} \\
&\quad + x^{126} + x^{125} + x^{122} + x^{121} + x^{118} + x^{116} + x^{105} + x^{104} + x^{102} \\
&\quad + x^{101} + x^{98} + x^{97} + x^{94} + x^{93} + x^{90} + x^{88} + x^{85} + x^{84} + x^{82} + x^{80} \\
&\quad + x^{73} + x^{72} + x^{70} + x^{69} + x^{66} + x^{64} + x^{49} + x^{48} + x^{46} + x^{45} + x^{42} \\
&\quad + x^{40} + x^{37} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{26} + x^{25} + x^{22} + x^{20} \\
&\quad + x^9 + x^8 + x^6 + x^5 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{164} + x^{160} + x^{157} + x^{156} + x^{154} + x^{153} + x^{150} + x^{149} + x^{145} + x^{144} \\
&\quad + x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{131} + x^{127} + x^{126} \\
&\quad + x^{123} + x^{121} + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{113} + x^{112} \\
&\quad + x^{111} + x^{106} + x^{105} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{96} \\
&\quad + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} + x^{88} + x^{84} + x^{80} + x^{79} + x^{76} + x^{74} \\
&\quad + x^{72} + x^{71} + x^{68} + x^{67} + x^{60} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{45} \\
&\quad + x^{44} + x^{43} + x^{41} + x^{37} + x^{36} + x^{35} + x^{34} + x^{31} + x^{29} + x^{27}, \\
p_3(x) &= x^{150} + x^{148} + x^{146} + x^{145} + x^{144} + x^{143} + x^{141} + x^{139} + x^{138} + x^{137} \\
&\quad + x^{136} + x^{132} + x^{129} + x^{128} + x^{123} + x^{120} + x^{119} + x^{115} + x^{112} \\
&\quad + x^{111} + x^{109} + x^{107} + x^{106} + x^{105} + x^{104} + x^{102} + x^{98} + x^{95} + x^{94} \\
&\quad + x^{93} + x^{92} + x^{88} + x^{85} + x^{84} + x^{82} + x^{80} + x^{79} + x^{77} + x^{76} + x^{74} \\
&\quad + x^{72} + x^{71} + x^{70} + x^{66} + x^{63} + x^{54} + x^{53} + x^{52} + x^{48} + x^{46} + x^{42} \\
&\quad + x^{39} + x^{37} + x^{34} + x^{33} + x^{31} + x^{30} + x^{27} + x^{26} + x^{24} + x^{19} + x^{16} \\
&\quad + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) &= x^{152} + x^{142} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} + x^{116} + x^{114} + x^{108}
\end{aligned}$$

$$\begin{aligned}
& + x^{102} + x^{100} + x^{98} + x^{94} + x^{92} + x^{82} + x^{78} + x^{76} + x^{74} + x^{72} + x^{70} \\
& + x^{68} + x^{62} + x^{58} + x^{54} + x^{50} + x^{48} + x^{44} + x^{36} + x^{34} + x^{32} + x^{28} \\
& + x^{24} + x^{22} + x^{18} + x^{14} + x^8 + x^6, \\
p_9(x) &= x^{154} + x^{152} + x^{149} + x^{147} + x^{146} + x^{140} + x^{134} + x^{132} + x^{131} + x^{130} \\
& + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{115} \\
& + x^{110} + x^{109} + x^{107} + x^{106} + x^{105} + x^{101} + x^{100} + x^{98} + x^{92} + x^{90} \\
& + x^{88} + x^{86} + x^{85} + x^{84} + x^{78} + x^{77} + x^{75} + x^{73} + x^{72} + x^{68} + x^{67} \\
& + x^{58} + x^{56} + x^{53} + x^{51} + x^{50} + x^{44} + x^{38} + x^{36} + x^{35} + x^{34} + x^{30} \\
& + x^{29} + x^{28} + x^{27} + x^{26} + x^{25} + x^{22} + x^{21} + x^{19} + x^{14} + x^{13} + x^{11} \\
& + x^9 + x^8 + x^4 + x^3, \\
p_{12}(x) &= x^{156} + x^{152} + x^{140} + x^{112} + x^{108} + x^{96} + x^{88} + x^{72} + x^{64} + x^{60} + x^{56} \\
& + x^{44} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{140} + x^{137} + x^{132} + x^{131} + x^{126} + x^{124} + x^{120} + x^{119} + x^{113} + x^{111} \\
& + x^{109} + x^{107} + x^{106} + x^{104} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} \\
& + x^{87} + x^{86} + x^{84} + x^{80} + x^{79} + x^{70} + x^{69} + x^{68} + x^{66} + x^{64} + x^{63} \\
& + x^{62} + x^{61} + x^{59} + x^{58} + x^{57} + x^{52} + x^{51} + x^{47} + x^{44} + x^{43} + x^{42} \\
& + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{29} + x^{24} + x^{23} + x^{22} + x^{21} + x^{18}, \\
p_3(x) &= x^{138} + x^{136} + x^{133} + x^{131} + x^{130} + x^{128} + x^{123} + x^{120} + x^{119} + x^{118} \\
& + x^{116} + x^{115} + x^{114} + x^{113} + x^{106} + x^{104} + x^{101} + x^{99} + x^{98} + x^{96} \\
& + x^{91} + x^{90} + x^{87} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{77} + x^{72} + x^{71} \\
& + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} + x^{60} + x^{58} + x^{57} + x^{56} \\
& + x^{55} + x^{54} + x^{52} + x^{51} + x^{49} + x^{48} + x^{45} + x^{43} + x^{42} + x^{40} + x^{35} \\
& + x^{34} + x^{31} + x^{30} + x^{29} + x^{28} + x^{25} + x^{24} + x^{19} + x^{16} + x^{15} + x^{14} \\
& + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) &= x^{140} + x^{136} + x^{130} + x^{128} + x^{126} + x^{120} + x^{118} + x^{116} + x^{114} + x^{110} \\
& + x^{108} + x^{106} + x^{98} + x^{88} + x^{86} + x^{84} + x^{82} + x^{80} + x^{78} + x^{74} + x^{70} \\
& + x^{52} + x^{50} + x^{40} + x^{38} + x^{26} + x^{18} + x^{14} + x^8 + x^6, \\
p_9(x) &= x^{142} + x^{140} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} + x^{125} \\
& + x^{124} + x^{123} + x^{122} + x^{119} + x^{118} + x^{117} + x^{116} + x^{110} + x^{109} \\
& + x^{107} + x^{105} + x^{104} + x^{100} + x^{99} + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{83} + x^{78} + x^{77} + x^{75} + x^{73} + x^{72} + x^{68} + x^{67} \\
& + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{35} + x^{29} + x^{28} \\
& + x^{27} + x^{26} + x^{23} + x^{22} + x^{21} + x^{20} + x^{14} + x^{13} + x^{11} + x^9 + x^8 + x^4
\end{aligned}$$

$$\begin{aligned}
& + x^3, \\
p_{12}(x) &= x^{144} + x^{136} + x^{132} + x^{116} + x^{104} + x^{88} + x^{84} + x^{80} + x^{72} + x^{64} + x^{48} \\
& + x^{40} + x^{36} + x^{20} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{141} + x^{139} + x^{136} + x^{135} + x^{134} + x^{132} + x^{125} + x^{114} \\
& + x^{109} + x^{108} + x^{106} + x^{105} + x^{103} + x^{100} + x^{98} + x^{95} + x^{89} + x^{84} \\
& + x^{83} + x^{80} + x^{77} + x^{75} + x^{72} + x^{71} + x^{69} + x^{68} + x^{65} + x^{63} + x^{61} \\
& + x^{59} + x^{58} + x^{57} + x^{54} + x^{51} + x^{50} + x^{48} + x^{47} + x^{41} + x^{39} + x^{38} \\
& + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{139} + x^{138} + x^{137} + x^{134} + x^{127} \\
& + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{116} + x^{112} + x^{111} \\
& + x^{106} + x^{104} + x^{103} + x^{101} + x^{100} + x^{99} + x^{98} + x^{95} + x^{92} + x^{90} \\
& + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{83} + x^{81} + x^{78} + x^{75} + x^{74} \\
& + x^{72} + x^{71} + x^{70} + x^{69} + x^{67} + x^{64} + x^{62} + x^{60} + x^{59} + x^{55} + x^{53} \\
& + x^{52} + x^{50} + x^{46} + x^{45} + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} \\
& + x^{31} + x^{29} + x^{28} + x^{27} + x^{23} + x^{22} + x^{19} + x^{15} + x^{14} + x^{12}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{139} + x^{138} + x^{137} + x^{135} + x^{134} \\
& + x^{131} + x^{125} + x^{122} + x^{121} + x^{118} + x^{115} + x^{114} + x^{113} + x^{112} \\
& + x^{110} + x^{107} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} \\
& + x^{97} + x^{96} + x^{94} + x^{93} + x^{86} + x^{85} + x^{84} + x^{82} + x^{77} + x^{75} + x^{70} \\
& + x^{69} + x^{65} + x^{63} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{52} + x^{51} + x^{47} \\
& + x^{45} + x^{40} + x^{38} + x^{34} + x^{32} + x^{29} + x^{28} + x^{27} + x^{26} + x^{24} + x^{23} \\
& + x^{22} + x^{20} + x^{19} + x^{18} + x^{15} + x^{13} + x^{12} + x^{11} + x^5 + x^4 + x^2 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{137} + x^{134} + x^{132} + x^{129} + x^{128} \\
& + x^{126} + x^{124} + x^{109} + x^{108} + x^{106} + x^{105} + x^{102} + x^{100} + x^{97} + x^{96} \\
& + x^{94} + x^{93} + x^{90} + x^{89} + x^{86} + x^{84} + x^{77} + x^{76} + x^{74} + x^{73} + x^{70} \\
& + x^{68} + x^{49} + x^{48} + x^{46} + x^{45} + x^{42} + x^{41} + x^{38} + x^{36} + x^{33} + x^{32} \\
& + x^{30} + x^{28} + x^{13} + x^{12} + x^{10} + x^9 + x^6 + x^4, \\
p_{12}(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{136} + x^{133} + x^{132} + x^{130} + x^{129} \\
& + x^{126} + x^{125} + x^{122} + x^{121} + x^{118} + x^{116} + x^{105} + x^{104} + x^{102} \\
& + x^{101} + x^{98} + x^{97} + x^{94} + x^{93} + x^{90} + x^{88} + x^{85} + x^{84} + x^{82} + x^{80} \\
& + x^{73} + x^{72} + x^{70} + x^{69} + x^{66} + x^{64} + x^{49} + x^{48} + x^{46} + x^{45} + x^{42} \\
& + x^{40} + x^{37} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{26} + x^{25} + x^{22} + x^{20} \\
& + x^9 + x^8 + x^6 + x^5 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{140} + x^{139} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{128} \\
&\quad + x^{127} + x^{126} + x^{125} + x^{124} + x^{122} + x^{121} + x^{118} + x^{115} + x^{113} \\
&\quad + x^{108} + x^{106} + x^{104} + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{96} + x^{94} \\
&\quad + x^{93} + x^{91} + x^{90} + x^{89} + x^{87} + x^{84} + x^{83} + x^{82} + x^{80} + x^{78} + x^{77} \\
&\quad + x^{76} + x^{70} + x^{69} + x^{68} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} \\
&\quad + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{44} + x^{43} \\
&\quad + x^{41} + x^{39} + x^{36} + x^{35} + x^{34} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} + x^{25} \\
&\quad + x^{18} + x^{17} + x^{16} + x^{12}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{139} + x^{132} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{127} + x^{125} + x^{121} + x^{120} + x^{119} + x^{118} + x^{111} + x^{109} + x^{108} \\
&\quad + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} \\
&\quad + x^{90} + x^{89} + x^{88} + x^{86} + x^{85} + x^{81} + x^{80} + x^{77} + x^{76} + x^{75} + x^{73} \\
&\quad + x^{72} + x^{70} + x^{68} + x^{67} + x^{63} + x^{61} + x^{60} + x^{58} + x^{57} + x^{56} + x^{54} \\
&\quad + x^{53} + x^{52} + x^{49} + x^{48} + x^{45} + x^{44} + x^{43} + x^{38} + x^{37} + x^{36} + x^{34} \\
&\quad + x^{32} + x^{28} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{20} + x^{18} + x^{17} + x^{13} \\
&\quad + x^8, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{139} + x^{135} + x^{133} + x^{126} + x^{124} \\
&\quad + x^{119} + x^{118} + x^{115} + x^{113} + x^{112} + x^{111} + x^{108} + x^{107} + x^{106} \\
&\quad + x^{103} + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{88} \\
&\quad + x^{83} + x^{82} + x^{78} + x^{77} + x^{74} + x^{73} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} \\
&\quad + x^{61} + x^{60} + x^{59} + x^{56} + x^{55} + x^{54} + x^{50} + x^{49} + x^{46} + x^{45} + x^{43} \\
&\quad + x^{41} + x^{40} + x^{38} + x^{36} + x^{34} + x^{33} + x^{30} + x^{28} + x^{26} + x^{25} + x^{21} \\
&\quad + x^{19} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^9 + x^8 + x^5 + x^2 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{137} + x^{134} + x^{132} + x^{129} + x^{128} \\
&\quad + x^{126} + x^{124} + x^{109} + x^{108} + x^{106} + x^{105} + x^{102} + x^{100} + x^{97} + x^{96} \\
&\quad + x^{94} + x^{93} + x^{90} + x^{89} + x^{86} + x^{84} + x^{77} + x^{76} + x^{74} + x^{73} + x^{70} \\
&\quad + x^{68} + x^{49} + x^{48} + x^{46} + x^{45} + x^{42} + x^{41} + x^{38} + x^{36} + x^{33} + x^{32} \\
&\quad + x^{30} + x^{28} + x^{13} + x^{12} + x^{10} + x^9 + x^6 + x^4, \\
p_{12}(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{136} + x^{133} + x^{132} + x^{130} + x^{129} \\
&\quad + x^{126} + x^{125} + x^{122} + x^{121} + x^{118} + x^{116} + x^{105} + x^{104} + x^{102} \\
&\quad + x^{101} + x^{98} + x^{97} + x^{94} + x^{93} + x^{90} + x^{88} + x^{85} + x^{84} + x^{82} + x^{80} \\
&\quad + x^{73} + x^{72} + x^{70} + x^{69} + x^{66} + x^{64} + x^{49} + x^{48} + x^{46} + x^{45} + x^{42} \\
&\quad + x^{40} + x^{37} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{26} + x^{25} + x^{22} + x^{20}
\end{aligned}$$

$$+ x^9 + x^8 + x^6 + x^5 + x^2 + 1,$$

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

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

$$\begin{aligned} p_0(x) = & x^{140} + x^{137} + x^{132} + x^{131} + x^{126} + x^{124} + x^{120} + x^{119} + x^{113} + x^{111} \\ & + x^{109} + x^{107} + x^{106} + x^{104} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} \\ & + x^{87} + x^{86} + x^{84} + x^{80} + x^{79} + x^{70} + x^{69} + x^{68} + x^{66} + x^{64} + x^{63} \\ & + x^{62} + x^{61} + x^{59} + x^{58} + x^{57} + x^{52} + x^{51} + x^{47} + x^{44} + x^{43} + x^{42} \\ & + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{29} + x^{24} + x^{23} + x^{22} + x^{21} + x^{18}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{138} + x^{136} + x^{133} + x^{131} + x^{130} + x^{128} + x^{123} + x^{120} + x^{119} + x^{118} \\ & + x^{116} + x^{115} + x^{114} + x^{113} + x^{106} + x^{104} + x^{101} + x^{99} + x^{98} + x^{96} \\ & + x^{91} + x^{90} + x^{87} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{77} + x^{72} + x^{71} \\ & + x^{70} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} + x^{60} + x^{58} + x^{57} + x^{56} \\ & + x^{55} + x^{54} + x^{52} + x^{51} + x^{49} + x^{48} + x^{45} + x^{43} + x^{42} + x^{40} + x^{35} \\ & + x^{34} + x^{31} + x^{30} + x^{29} + x^{28} + x^{25} + x^{24} + x^{19} + x^{16} + x^{15} + x^{14} \\ & + x^{12} + x^{11} + x^{10} + x^9, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{140} + x^{136} + x^{130} + x^{128} + x^{126} + x^{120} + x^{118} + x^{116} + x^{114} + x^{110} \\ & + x^{108} + x^{106} + x^{98} + x^{88} + x^{86} + x^{84} + x^{82} + x^{80} + x^{78} + x^{74} + x^{70} \\ & + x^{52} + x^{50} + x^{40} + x^{38} + x^{26} + x^{18} + x^{14} + x^8 + x^6, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{142} + x^{140} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} + x^{125} \\ & + x^{124} + x^{123} + x^{122} + x^{119} + x^{118} + x^{117} + x^{116} + x^{110} + x^{109} \\ & + x^{107} + x^{105} + x^{104} + x^{100} + x^{99} + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} \\ & + x^{87} + x^{86} + x^{85} + x^{83} + x^{78} + x^{77} + x^{75} + x^{73} + x^{72} + x^{68} + x^{67} \\ & + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{35} + x^{29} + x^{28} \\ & + x^{27} + x^{26} + x^{23} + x^{22} + x^{21} + x^{20} + x^{14} + x^{13} + x^{11} + x^9 + x^8 + x^4 \\ & + x^3, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{144} + x^{136} + x^{132} + x^{116} + x^{104} + x^{88} + x^{84} + x^{80} + x^{72} + x^{64} + x^{48} \\ & + x^{40} + x^{36} + x^{20} + x^8 + 1, \end{aligned}$$

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

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

$$\begin{aligned} p_0(x) = & x^{164} + x^{160} + x^{157} + x^{156} + x^{154} + x^{153} + x^{150} + x^{149} + x^{145} + x^{144} \\ & + x^{143} + x^{141} + x^{139} + x^{138} + x^{136} + x^{133} + x^{131} + x^{127} + x^{126} \\ & + x^{123} + x^{121} + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{113} + x^{112} \\ & + x^{111} + x^{106} + x^{105} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{96} \\ & + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} + x^{88} + x^{84} + x^{80} + x^{79} + x^{76} + x^{74} \\ & + x^{72} + x^{71} + x^{68} + x^{67} + x^{60} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{45} \end{aligned}$$

$$\begin{aligned}
& + x^{44} + x^{43} + x^{41} + x^{37} + x^{36} + x^{35} + x^{34} + x^{31} + x^{29} + x^{27}, \\
p_3(x) = & x^{150} + x^{148} + x^{146} + x^{145} + x^{144} + x^{143} + x^{141} + x^{139} + x^{138} + x^{137} \\
& + x^{136} + x^{132} + x^{129} + x^{128} + x^{123} + x^{120} + x^{119} + x^{115} + x^{112} \\
& + x^{111} + x^{109} + x^{107} + x^{106} + x^{105} + x^{104} + x^{102} + x^{98} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{88} + x^{85} + x^{84} + x^{82} + x^{80} + x^{79} + x^{77} + x^{76} + x^{74} \\
& + x^{72} + x^{71} + x^{70} + x^{66} + x^{63} + x^{54} + x^{53} + x^{52} + x^{48} + x^{46} + x^{42} \\
& + x^{39} + x^{37} + x^{34} + x^{33} + x^{31} + x^{30} + x^{27} + x^{26} + x^{24} + x^{19} + x^{16} \\
& + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) = & x^{152} + x^{142} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} + x^{116} + x^{114} + x^{108} \\
& + x^{102} + x^{100} + x^{98} + x^{94} + x^{92} + x^{82} + x^{78} + x^{76} + x^{74} + x^{72} + x^{70} \\
& + x^{68} + x^{62} + x^{58} + x^{54} + x^{50} + x^{48} + x^{44} + x^{36} + x^{34} + x^{32} + x^{28} \\
& + x^{24} + x^{22} + x^{18} + x^{14} + x^8 + x^6, \\
p_9(x) = & x^{154} + x^{152} + x^{149} + x^{147} + x^{146} + x^{140} + x^{134} + x^{132} + x^{131} + x^{130} \\
& + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{115} \\
& + x^{110} + x^{109} + x^{107} + x^{106} + x^{105} + x^{101} + x^{100} + x^{98} + x^{92} + x^{90} \\
& + x^{88} + x^{86} + x^{85} + x^{84} + x^{78} + x^{77} + x^{75} + x^{73} + x^{72} + x^{68} + x^{67} \\
& + x^{58} + x^{56} + x^{53} + x^{51} + x^{50} + x^{44} + x^{38} + x^{36} + x^{35} + x^{34} + x^{30} \\
& + x^{29} + x^{28} + x^{27} + x^{26} + x^{25} + x^{22} + x^{21} + x^{19} + x^{14} + x^{13} + x^{11} \\
& + x^9 + x^8 + x^4 + x^3, \\
p_{12}(x) = & x^{156} + x^{152} + x^{140} + x^{112} + x^{108} + x^{96} + x^{88} + x^{72} + x^{64} + x^{60} + x^{56} \\
& + x^{44} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{141} + x^{139} + x^{136} + x^{135} + x^{134} + x^{132} + x^{125} + x^{114} \\
& + x^{109} + x^{108} + x^{106} + x^{105} + x^{103} + x^{100} + x^{98} + x^{95} + x^{89} + x^{84} \\
& + x^{83} + x^{80} + x^{77} + x^{75} + x^{72} + x^{71} + x^{69} + x^{68} + x^{65} + x^{63} + x^{61} \\
& + x^{59} + x^{58} + x^{57} + x^{54} + x^{51} + x^{50} + x^{48} + x^{47} + x^{41} + x^{39} + x^{38} \\
& + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{139} + x^{138} + x^{137} + x^{134} + x^{127} \\
& + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{117} + x^{116} + x^{112} + x^{111} \\
& + x^{106} + x^{104} + x^{103} + x^{101} + x^{100} + x^{99} + x^{98} + x^{95} + x^{92} + x^{90} \\
& + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{83} + x^{81} + x^{78} + x^{75} + x^{74} \\
& + x^{72} + x^{71} + x^{70} + x^{69} + x^{67} + x^{64} + x^{62} + x^{60} + x^{59} + x^{55} + x^{53} \\
& + x^{52} + x^{50} + x^{46} + x^{45} + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} \\
& + x^{31} + x^{29} + x^{28} + x^{27} + x^{23} + x^{22} + x^{19} + x^{15} + x^{14} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{139} + x^{138} + x^{137} + x^{135} + x^{134} \\
&\quad + x^{131} + x^{125} + x^{122} + x^{121} + x^{118} + x^{115} + x^{114} + x^{113} + x^{112} \\
&\quad + x^{110} + x^{107} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} \\
&\quad + x^{97} + x^{96} + x^{94} + x^{93} + x^{86} + x^{85} + x^{84} + x^{82} + x^{77} + x^{75} + x^{70} \\
&\quad + x^{69} + x^{65} + x^{63} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{52} + x^{51} + x^{47} \\
&\quad + x^{45} + x^{40} + x^{38} + x^{34} + x^{32} + x^{29} + x^{28} + x^{27} + x^{26} + x^{24} + x^{23} \\
&\quad + x^{22} + x^{20} + x^{19} + x^{18} + x^{15} + x^{13} + x^{12} + x^{11} + x^5 + x^4 + x^2 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{137} + x^{134} + x^{132} + x^{129} + x^{128} \\
&\quad + x^{126} + x^{124} + x^{109} + x^{108} + x^{106} + x^{105} + x^{102} + x^{100} + x^{97} + x^{96} \\
&\quad + x^{94} + x^{93} + x^{90} + x^{89} + x^{86} + x^{84} + x^{77} + x^{76} + x^{74} + x^{73} + x^{70} \\
&\quad + x^{68} + x^{49} + x^{48} + x^{46} + x^{45} + x^{42} + x^{41} + x^{38} + x^{36} + x^{33} + x^{32} \\
&\quad + x^{30} + x^{28} + x^{13} + x^{12} + x^{10} + x^9 + x^6 + x^4, \\
p_{12}(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{136} + x^{133} + x^{132} + x^{130} + x^{129} \\
&\quad + x^{126} + x^{125} + x^{122} + x^{121} + x^{118} + x^{116} + x^{105} + x^{104} + x^{102} \\
&\quad + x^{101} + x^{98} + x^{97} + x^{94} + x^{93} + x^{90} + x^{88} + x^{85} + x^{84} + x^{82} + x^{80} \\
&\quad + x^{73} + x^{72} + x^{70} + x^{69} + x^{66} + x^{64} + x^{49} + x^{48} + x^{46} + x^{45} + x^{42} \\
&\quad + x^{40} + x^{37} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{26} + x^{25} + x^{22} + x^{20} \\
&\quad + x^9 + x^8 + x^6 + x^5 + x^2 + 1,
\end{aligned}$$

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

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]	3329	[5482, 5483]	6658	[9177, 9178]	9987	[2332, 6873]
1	[3, 4]	3330	[5484, 5485]	6659	[9179, 1449]	9988	[6391, 10975]
2	[5, 6]	3331	[2773, 5379]	6660	[8575, 3426]	9989	[7548, 7161]
3	[7, 8]	3332	[5486, 5487]	6661	[9180, 9181]	9990	[7132, 11619]
4	[9, 10]	3333	[1861, 1993]	6662	[9182, 4445]	9991	[5335, 11620]
5	[11, 12]	3334	[5488, 5489]	6663	[3574, 1134]	9992	[7367, 5433]
6	[13, 14]	3335	[5490, 839]	6664	[9183, 9184]	9993	[11621, 11490]
7	[15, 16]	3336	[5491, 5348]	6665	[8229, 407]	9994	[11622, 5575]
8	[17, 18]	3337	[5492, 2043]	6666	[9185, 1284]	9995	[2529, 2269]
9	[19, 20]	3338	[794, 2829]	6667	[9186, 8365]	9996	[2718, 5767]
10	[21, 22]	3339	[5493, 5494]	6668	[7949, 8188]	9997	[2243, 2018]
11	[23, 24]	3340	[5495, 3061]	6669	[9187, 9188]	9998	[11258, 664]
12	[25, 26]	3341	[5496, 5497]	6670	[5209, 9189]	9999	[10751, 2617]
13	[27, 28]	3342	[5498, 2899]	6671	[9190, 9191]	10000	[7170, 11623]
14	[29, 30]	3343	[2557, 5499]	6672	[7865, 1704]	10001	[2594, 6317]
15	[31, 32]	3344	[933, 5500]	6673	[9192, 5052]	10002	[11624, 11625]

16	[33, 34]	3345	[5501, 5502]	6674	[9193, 9110]	10003	[11626, 2184]
17	[35, 36]	3346	[5503, 1863]	6675	[9194, 8770]	10004	[11627, 1925]
18	[37, 38]	3347	[5504, 152]	6676	[9067, 9195]	10005	[10200, 11628]
19	[39, 40]	3348	[2561, 1828]	6677	[7747, 3401]	10006	[11120, 11629]
20	[41, 42]	3349	[5505, 5506]	6678	[9196, 8549]	10007	[11630, 49]
21	[43, 44]	3350	[5507, 5508]	6679	[9197, 4527]	10008	[6996, 674]
22	[45, 46]	3351	[5509, 5510]	6680	[4971, 1706]	10009	[11631, 6184]
23	[47, 48]	3352	[5511, 5512]	6681	[9198, 8930]	10010	[2212, 11195]
24	[49, 50]	3353	[5513, 5514]	6682	[3302, 3390]	10011	[11228, 1844]
25	[51, 52]	3354	[5515, 5516]	6683	[9199, 1740]	10012	[11632, 7512]
26	[53, 54]	3355	[5517, 5518]	6684	[9200, 9201]	10013	[854, 5647]
27	[55, 56]	3356	[2308, 5519]	6685	[9202, 5128]	10014	[10289, 6146]
28	[57, 58]	3357	[5520, 5521]	6686	[9203, 118]	10015	[6995, 10344]
29	[59, 60]	3358	[5522, 2950]	6687	[8196, 4986]	10016	[11255, 5468]
30	[61, 62]	3359	[5523, 5524]	6688	[5145, 8174]	10017	[1915, 11633]
31	[63, 64]	3360	[2963, 5525]	6689	[9204, 1620]	10018	[3130, 6208]
32	[65, 66]	3361	[5526, 2900]	6690	[9205, 9206]	10019	[6688, 2962]
33	[67, 68]	3362	[2672, 1895]	6691	[9207, 9208]	10020	[3199, 11634]
34	[69, 70]	3363	[5527, 5528]	6692	[8305, 3370]	10021	[11635, 10288]
35	[71, 72]	3364	[5529, 5480]	6693	[9209, 7704]	10022	[11636, 722]
36	[73, 74]	3365	[5530, 5531]	6694	[1365, 3989]	10023	[2947, 11637]
37	[75, 76]	3366	[5532, 2317]	6695	[9210, 8813]	10024	[5967, 7429]
38	[77, 78]	3367	[5533, 5534]	6696	[9211, 1168]	10025	[11638, 53]
39	[79, 80]	3368	[5535, 5536]	6697	[9212, 3317]	10026	[11639, 10915]
40	[81, 82]	3369	[5340, 5537]	6698	[9213, 4793]	10027	[11501, 5407]
41	[83, 84]	3370	[5538, 5539]	6699	[9214, 4955]	10028	[11027, 6950]
42	[85, 86]	3371	[5540, 5541]	6700	[3719, 4144]	10029	[5921, 7207]
43	[87, 88]	3372	[5542, 5543]	6701	[22, 7828]	10030	[6321, 5314]
44	[89, 90]	3373	[5544, 5545]	6702	[9215, 1604]	10031	[11343, 11640]
45	[91, 92]	3374	[5546, 5547]	6703	[9216, 4172]	10032	[6033, 10303]
46	[93, 94]	3375	[5548, 2065]	6704	[3664, 1252]	10033	[6666, 3167]
47	[95, 96]	3376	[833, 3185]	6705	[9217, 1379]	10034	[10263, 5876]
48	[97, 98]	3377	[5549, 2795]	6706	[9218, 8999]	10035	[11641, 6035]
49	[99, 100]	3378	[844, 5550]	6707	[1128, 4604]	10036	[6309, 5895]
50	[101, 102]	3379	[5551, 5552]	6708	[9219, 8631]	10037	[5841, 11642]
51	[103, 104]	3380	[5553, 5420]	6709	[9220, 9221]	10038	[11339, 7129]
52	[105, 106]	3381	[5554, 5503]	6710	[9222, 1423]	10039	[2798, 3124]
53	[107, 108]	3382	[5555, 5556]	6711	[9223, 978]	10040	[11290, 11643]
54	[109, 110]	3383	[767, 2142]	6712	[8371, 4095]	10041	[2176, 5538]
55	[111, 112]	3384	[5557, 5558]	6713	[9224, 9225]	10042	[5399, 5698]
56	[113, 114]	3385	[5559, 5560]	6714	[3991, 9226]	10043	[11076, 10259]
57	[115, 116]	3386	[5561, 2988]	6715	[9227, 3517]	10044	[11133, 11644]
58	[117, 118]	3387	[2165, 5562]	6716	[4544, 8186]	10045	[11645, 5544]
59	[119, 120]	3388	[5563, 1984]	6717	[3484, 1093]	10046	[2206, 11646]

60	[121, 122]	3389	[5564, 2593]	6718	[9228, 9229]	10047	[10982, 2914]
61	[123, 124]	3390	[5443, 5565]	6719	[9230, 9231]	10048	[2550, 6623]
62	[125, 126]	3391	[5566, 784]	6720	[9232, 9233]	10049	[11647, 6135]
63	[127, 128]	3392	[2625, 5567]	6721	[1532, 8294]	10050	[11648, 6962]
64	[129, 130]	3393	[5568, 5569]	6722	[9234, 4339]	10051	[5518, 10244]
65	[131, 132]	3394	[5570, 5571]	6723	[8651, 9235]	10052	[6455, 5454]
66	[133, 134]	3395	[2502, 5572]	6724	[9236, 7943]	10053	[7127, 11649]
67	[135, 136]	3396	[5573, 5574]	6725	[9237, 4326]	10054	[11408, 10631]
68	[137, 138]	3397	[5575, 2483]	6726	[9238, 9239]	10055	[11196, 2360]
69	[139, 140]	3398	[5576, 5577]	6727	[1049, 9240]	10056	[2153, 2220]
70	[141, 142]	3399	[5320, 5578]	6728	[3601, 7783]	10057	[11336, 1866]
71	[143, 144]	3400	[5579, 5580]	6729	[9241, 3710]	10058	[7446, 11120]
72	[145, 146]	3401	[5581, 3038]	6730	[1637, 9242]	10059	[10277, 7051]
73	[39, 147]	3402	[5582, 785]	6731	[9243, 4379]	10060	[784, 7220]
74	[148, 149]	3403	[784, 787]	6732	[5179, 3845]	10061	[1984, 237]
75	[150, 151]	3404	[5583, 5584]	6733	[5037, 8661]	10062	[11310, 11570]
76	[152, 153]	3405	[5585, 5586]	6734	[4193, 8607]	10063	[11650, 2365]
77	[154, 155]	3406	[3005, 637]	6735	[9244, 8170]	10064	[11651, 5478]
78	[156, 157]	3407	[2587, 5587]	6736	[9245, 9246]	10065	[11307, 6008]
79	[158, 159]	3408	[5588, 5589]	6737	[9247, 1581]	10066	[6568, 7626]
80	[160, 161]	3409	[5590, 5591]	6738	[3399, 8959]	10067	[10857, 11652]
81	[162, 163]	3410	[5592, 1973]	6739	[9248, 9249]	10068	[6700, 10707]
82	[164, 165]	3411	[5593, 5594]	6740	[3383, 3580]	10069	[2127, 11653]
83	[166, 167]	3412	[5595, 5596]	6741	[4809, 9250]	10070	[11654, 7443]
84	[168, 169]	3413	[2124, 5597]	6742	[9251, 4753]	10071	[11482, 11117]
85	[170, 171]	3414	[831, 5598]	6743	[9252, 3760]	10072	[11443, 11655]
86	[172, 173]	3415	[5599, 5600]	6744	[3616, 9253]	10073	[11656, 5358]
87	[174, 175]	3416	[5601, 2285]	6745	[9254, 5029]	10074	[2467, 60]
88	[176, 177]	3417	[2156, 2973]	6746	[3808, 463]	10075	[5730, 10352]
89	[178, 179]	3418	[5602, 5603]	6747	[8362, 9255]	10076	[11085, 5658]
90	[180, 181]	3419	[5604, 5605]	6748	[9256, 9257]	10077	[11657, 11658]
91	[182, 183]	3420	[5606, 5607]	6749	[9258, 3850]	10078	[11659, 10256]
92	[184, 185]	3421	[914, 5608]	6750	[9259, 9260]	10079	[6051, 2895]
93	[186, 187]	3422	[5609, 1938]	6751	[9261, 9118]	10080	[11660, 11661]
94	[188, 189]	3423	[5610, 164]	6752	[9262, 9263]	10081	[11035, 6136]
95	[190, 191]	3424	[5611, 5612]	6753	[9264, 9265]	10082	[561, 11662]
96	[192, 193]	3425	[5613, 5614]	6754	[9266, 9267]	10083	[2954, 11663]
97	[194, 195]	3426	[5615, 5616]	6755	[9268, 9269]	10084	[6557, 11008]
98	[196, 197]	3427	[5617, 5618]	6756	[9270, 9271]	10085	[11664, 11202]
99	[198, 199]	3428	[5619, 641]	6757	[9272, 9273]	10086	[5517, 7564]
100	[200, 201]	3429	[157, 5620]	6758	[9274, 3986]	10087	[7040, 2717]
101	[202, 203]	3430	[1855, 2393]	6759	[9275, 9032]	10088	[6702, 11318]
102	[204, 205]	3431	[5621, 829]	6760	[9276, 9277]	10089	[2646, 10214]
103	[206, 207]	3432	[5622, 5623]	6761	[8717, 9278]	10090	[11665, 820]

104	[208, 209]	3433	[5624, 5625]	6762	[4819, 5191]	10091	[5654, 2071]
105	[210, 211]	3434	[5626, 5627]	6763	[4821, 8168]	10092	[10827, 11666]
106	[212, 213]	3435	[5628, 5629]	6764	[9279, 4944]	10093	[11235, 11115]
107	[214, 215]	3436	[5587, 5630]	6765	[9280, 303]	10094	[940, 10709]
108	[216, 217]	3437	[5631, 5632]	6766	[9281, 7946]	10095	[2991, 808]
109	[218, 219]	3438	[5633, 3190]	6767	[9282, 8272]	10096	[6637, 11667]
110	[220, 221]	3439	[5634, 3179]	6768	[9283, 9284]	10097	[2139, 2047]
111	[222, 223]	3440	[5635, 5636]	6769	[9285, 3636]	10098	[10263, 7308]
112	[224, 225]	3441	[5637, 5638]	6770	[3686, 9243]	10099	[11668, 11669]
113	[226, 131]	3442	[5639, 2117]	6771	[9286, 9270]	10100	[6175, 11361]
114	[227, 228]	3443	[2469, 5640]	6772	[9287, 9225]	10101	[11670, 10450]
115	[229, 230]	3444	[2828, 248]	6773	[9288, 1686]	10102	[5878, 5949]
116	[231, 232]	3445	[731, 5641]	6774	[9289, 5169]	10103	[7526, 6259]
117	[233, 234]	3446	[2971, 5411]	6775	[4488, 4101]	10104	[11259, 5368]
118	[235, 236]	3447	[870, 3088]	6776	[9290, 4692]	10105	[2089, 909]
119	[237, 238]	3448	[3005, 5642]	6777	[9291, 4761]	10106	[2875, 167]
120	[239, 240]	3449	[5643, 5644]	6778	[9292, 1759]	10107	[11266, 5952]
121	[241, 242]	3450	[203, 2329]	6779	[4052, 3925]	10108	[6307, 7249]
122	[243, 244]	3451	[5645, 3156]	6780	[9293, 9294]	10109	[10939, 11370]
123	[245, 246]	3452	[5646, 5647]	6781	[9295, 7933]	10110	[10968, 11114]
124	[247, 248]	3453	[5648, 5649]	6782	[9296, 9297]	10111	[10287, 11671]
125	[249, 250]	3454	[2622, 3034]	6783	[9298, 5078]	10112	[11646, 6883]
126	[251, 252]	3455	[5650, 5651]	6784	[9299, 8812]	10113	[11651, 10210]
127	[253, 254]	3456	[2597, 2547]	6785	[9300, 4600]	10114	[7288, 5824]
128	[255, 256]	3457	[5652, 5653]	6786	[9301, 9302]	10115	[11610, 6109]
129	[257, 258]	3458	[5654, 5655]	6787	[9303, 9304]	10116	[11399, 2240]
130	[259, 260]	3459	[5656, 5657]	6788	[5035, 9305]	10117	[11672, 10662]
131	[261, 262]	3460	[5658, 716]	6789	[9306, 3594]	10118	[11673, 2266]
132	[263, 264]	3461	[5659, 5660]	6790	[9307, 1652]	10119	[11223, 204]
133	[265, 266]	3462	[5661, 2678]	6791	[9308, 3379]	10120	[11066, 10612]
134	[267, 268]	3463	[5662, 5663]	6792	[1609, 9309]	10121	[11208, 6492]
135	[269, 270]	3464	[552, 5552]	6793	[5021, 8178]	10122	[5828, 10170]
136	[271, 272]	3465	[2912, 5664]	6794	[8111, 4805]	10123	[10908, 11314]
137	[273, 274]	3466	[2915, 2325]	6795	[9310, 273]	10124	[6341, 5694]
138	[275, 276]	3467	[5665, 5666]	6796	[9311, 1426]	10125	[2596, 2546]
139	[277, 278]	3468	[2252, 5667]	6797	[9312, 9313]	10126	[10392, 2036]
140	[279, 280]	3469	[885, 2810]	6798	[9314, 9285]	10127	[11288, 5625]
141	[281, 282]	3470	[5668, 2002]	6799	[9315, 7960]	10128	[10697, 6267]
142	[283, 284]	3471	[5669, 560]	6800	[9316, 8505]	10129	[11561, 10867]
143	[285, 286]	3472	[5670, 5671]	6801	[9317, 3388]	10130	[10563, 11521]
144	[287, 288]	3473	[5672, 5673]	6802	[9318, 4865]	10131	[11674, 10298]
145	[289, 290]	3474	[5674, 1893]	6803	[9319, 9320]	10132	[11551, 11675]
146	[291, 292]	3475	[5675, 5676]	6804	[9321, 9322]	10133	[11347, 6714]
147	[293, 294]	3476	[5677, 5678]	6805	[1323, 9323]	10134	[2211, 7257]

148	[295, 296]	3477	[5679, 5680]	6806	[9239, 9048]	10135	[11676, 2077]
149	[297, 298]	3478	[2247, 5681]	6807	[8116, 9324]	10136	[843, 11192]
150	[299, 300]	3479	[2217, 5682]	6808	[9325, 4038]	10137	[11677, 53]
151	[301, 302]	3480	[5683, 5684]	6809	[9326, 9327]	10138	[6653, 7272]
152	[303, 304]	3481	[5685, 5686]	6810	[3271, 4569]	10139	[10431, 6250]
153	[305, 306]	3482	[1880, 5687]	6811	[8779, 4257]	10140	[5474, 11678]
154	[307, 308]	3483	[5688, 5689]	6812	[9328, 4701]	10141	[10199, 5799]
155	[309, 310]	3484	[5690, 2789]	6813	[3414, 7975]	10142	[11679, 5639]
156	[311, 312]	3485	[5691, 5692]	6814	[9329, 3816]	10143	[7432, 10721]
157	[313, 314]	3486	[2640, 5693]	6815	[9330, 9331]	10144	[2406, 5312]
158	[315, 316]	3487	[5694, 5695]	6816	[9332, 9333]	10145	[10805, 6982]
159	[258, 317]	3488	[5696, 5697]	6817	[9334, 4357]	10146	[11680, 542]
160	[318, 319]	3489	[5698, 5699]	6818	[9335, 4359]	10147	[2166, 11681]
161	[320, 321]	3490	[5700, 5535]	6819	[3395, 9336]	10148	[5564, 5532]
162	[322, 323]	3491	[5701, 2619]	6820	[9337, 1286]	10149	[11682, 11075]
163	[324, 325]	3492	[5702, 3153]	6821	[9338, 9339]	10150	[2631, 566]
164	[326, 327]	3493	[5703, 5704]	6822	[8773, 9340]	10151	[11683, 5551]
165	[328, 276]	3494	[5705, 210]	6823	[1530, 324]	10152	[11684, 8748]
166	[329, 330]	3495	[5706, 5412]	6824	[8795, 4399]	10153	[11685, 9323]
167	[331, 332]	3496	[5707, 5708]	6825	[3458, 5255]	10154	[9468, 9111]
168	[333, 334]	3497	[5709, 1988]	6826	[3728, 310]	10155	[11686, 9152]
169	[335, 336]	3498	[5710, 5711]	6827	[8369, 1643]	10156	[11687, 11688]
170	[337, 338]	3499	[5712, 5713]	6828	[9341, 3956]	10157	[11689, 11690]
171	[339, 340]	3500	[5714, 5715]	6829	[3516, 3404]	10158	[11691, 9061]
172	[341, 342]	3501	[5716, 5490]	6830	[9342, 1330]	10159	[1500, 8240]
173	[343, 344]	3502	[232, 5717]	6831	[4725, 9343]	10160	[5090, 11692]
174	[345, 346]	3503	[5718, 5719]	6832	[9344, 9345]	10161	[11693, 9680]
175	[347, 348]	3504	[5720, 3097]	6833	[9346, 4575]	10162	[11694, 11695]
176	[349, 350]	3505	[2344, 2667]	6834	[9347, 4558]	10163	[11696, 8079]
177	[351, 352]	3506	[5721, 5722]	6835	[9348, 8329]	10164	[8219, 11697]
178	[353, 354]	3507	[5723, 2924]	6836	[9349, 9350]	10165	[3744, 11698]
179	[355, 356]	3508	[5460, 5724]	6837	[9351, 9352]	10166	[11699, 9265]
180	[357, 358]	3509	[5725, 2963]	6838	[9353, 1109]	10167	[8906, 4000]
181	[359, 360]	3510	[5726, 5727]	6839	[9271, 9354]	10168	[3377, 1739]
182	[361, 362]	3511	[2856, 5728]	6840	[9355, 1208]	10169	[9079, 468]
183	[363, 364]	3512	[5729, 2250]	6841	[4621, 4878]	10170	[11700, 9710]
184	[365, 366]	3513	[5730, 5731]	6842	[9356, 9357]	10171	[11701, 7840]
185	[367, 368]	3514	[5732, 960]	6843	[9358, 7810]	10172	[11702, 4926]
186	[369, 370]	3515	[2936, 2054]	6844	[3816, 9359]	10173	[11703, 8738]
187	[371, 372]	3516	[5733, 5734]	6845	[9360, 8679]	10174	[11704, 9789]
188	[373, 374]	3517	[5735, 5736]	6846	[9361, 9362]	10175	[3300, 125]
189	[375, 376]	3518	[5737, 5738]	6847	[8540, 4051]	10176	[10003, 1265]
190	[377, 378]	3519	[5739, 5740]	6848	[998, 3275]	10177	[4875, 9961]
191	[379, 380]	3520	[865, 5741]	6849	[9363, 9085]	10178	[11705, 8553]

192	[80, 381]	3521	[2560, 1827]	6850	[9364, 8171]	10179	[11706, 9707]
193	[382, 383]	3522	[2208, 5742]	6851	[3289, 1814]	10180	[1217, 4456]
194	[384, 385]	3523	[5743, 5455]	6852	[9365, 3922]	10181	[11707, 441]
195	[386, 387]	3524	[5744, 5745]	6853	[9366, 9367]	10182	[11708, 8009]
196	[388, 389]	3525	[1868, 5746]	6854	[1059, 9327]	10183	[11709, 11710]
197	[390, 391]	3526	[5747, 3078]	6855	[9368, 8105]	10184	[1149, 9267]
198	[392, 393]	3527	[5748, 5749]	6856	[9369, 9370]	10185	[11711, 8870]
199	[394, 395]	3528	[5750, 5751]	6857	[3460, 1403]	10186	[11712, 3743]
200	[396, 397]	3529	[860, 5752]	6858	[9371, 324]	10187	[11713, 11714]
201	[398, 108]	3530	[5426, 5753]	6859	[1557, 9372]	10188	[4252, 8007]
202	[399, 400]	3531	[5754, 136]	6860	[9373, 1602]	10189	[11715, 8521]
203	[401, 402]	3532	[2677, 5755]	6861	[9374, 1679]	10190	[11716, 8042]
204	[403, 404]	3533	[5756, 5757]	6862	[8789, 5250]	10191	[11717, 8024]
205	[405, 406]	3534	[1982, 5758]	6863	[1611, 3297]	10192	[11718, 1408]
206	[407, 408]	3535	[5759, 1906]	6864	[9375, 8767]	10193	[9487, 4415]
207	[409, 410]	3536	[5760, 5761]	6865	[7812, 9376]	10194	[11719, 3249]
208	[26, 411]	3537	[5762, 5763]	6866	[9377, 9378]	10195	[11720, 11721]
209	[412, 413]	3538	[5764, 5765]	6867	[7705, 1336]	10196	[262, 8455]
210	[414, 415]	3539	[5766, 5601]	6868	[9379, 9380]	10197	[11722, 11723]
211	[416, 121]	3540	[5767, 777]	6869	[1789, 429]	10198	[11724, 1511]
212	[417, 418]	3541	[5631, 5768]	6870	[9381, 5104]	10199	[11725, 8856]
213	[419, 420]	3542	[950, 5769]	6871	[9382, 9383]	10200	[4501, 11726]
214	[421, 422]	3543	[954, 5770]	6872	[9384, 1807]	10201	[11727, 9446]
215	[423, 424]	3544	[5771, 546]	6873	[4041, 9385]	10202	[8959, 9927]
216	[425, 426]	3545	[5425, 5772]	6874	[9386, 1352]	10203	[9174, 8819]
217	[427, 428]	3546	[5773, 5774]	6875	[9123, 9387]	10204	[5238, 8153]
218	[429, 430]	3547	[5775, 2235]	6876	[9388, 9389]	10205	[3379, 4253]
219	[431, 432]	3548	[5776, 5777]	6877	[9390, 1240]	10206	[11728, 11690]
220	[433, 434]	3549	[2046, 5636]	6878	[7925, 3254]	10207	[11729, 11730]
221	[435, 436]	3550	[5778, 5779]	6879	[9391, 7705]	10208	[4452, 11731]
222	[437, 438]	3551	[5780, 5781]	6880	[9392, 8299]	10209	[7880, 11732]
223	[439, 440]	3552	[5782, 5783]	6881	[9393, 289]	10210	[4, 3754]
224	[441, 442]	3553	[5784, 5785]	6882	[9394, 9395]	10211	[11733, 96]
225	[443, 444]	3554	[5786, 706]	6883	[5129, 8196]	10212	[3705, 1399]
226	[445, 446]	3555	[5787, 5788]	6884	[9396, 3600]	10213	[11734, 1506]
227	[447, 448]	3556	[3137, 3049]	6885	[5217, 3583]	10214	[11735, 8596]
228	[449, 450]	3557	[5789, 5790]	6886	[9397, 5065]	10215	[11736, 11737]
229	[451, 452]	3558	[5791, 2577]	6887	[9398, 3356]	10216	[11738, 11739]
230	[453, 454]	3559	[5792, 5793]	6888	[9399, 1736]	10217	[11740, 4151]
231	[455, 456]	3560	[2824, 5794]	6889	[9400, 3499]	10218	[11741, 4841]
232	[457, 458]	3561	[5795, 3205]	6890	[9401, 9402]	10219	[11742, 9603]
233	[459, 460]	3562	[719, 2237]	6891	[9403, 4218]	10220	[11743, 3439]
234	[461, 462]	3563	[818, 2902]	6892	[4538, 1041]	10221	[3428, 326]
235	[463, 464]	3564	[5796, 5797]	6893	[1490, 5281]	10222	[474, 8678]

236	[465, 466]	3565	[708, 5798]	6894	[9404, 7947]	10223	[11744, 11745]
237	[467, 468]	3566	[5799, 5800]	6895	[3545, 9405]	10224	[11746, 8922]
238	[469, 470]	3567	[5801, 5802]	6896	[9406, 1268]	10225	[11747, 9104]
239	[471, 472]	3568	[5803, 2771]	6897	[9407, 9003]	10226	[11748, 3603]
240	[473, 474]	3569	[5804, 5805]	6898	[8455, 3760]	10227	[9402, 11749]
241	[475, 476]	3570	[2455, 5806]	6899	[9408, 1402]	10228	[11750, 11751]
242	[477, 478]	3571	[5807, 5808]	6900	[9409, 8873]	10229	[11752, 8504]
243	[479, 480]	3572	[5809, 2435]	6901	[1603, 9410]	10230	[4710, 4100]
244	[481, 482]	3573	[5810, 2127]	6902	[9411, 9165]	10231	[9576, 8657]
245	[483, 484]	3574	[5811, 2312]	6903	[9412, 9413]	10232	[4679, 1481]
246	[485, 486]	3575	[5812, 2175]	6904	[9414, 1707]	10233	[11753, 9628]
247	[487, 488]	3576	[5813, 5814]	6905	[9415, 9416]	10234	[11754, 3416]
248	[489, 490]	3577	[689, 5815]	6906	[9417, 3817]	10235	[11755, 4113]
249	[491, 492]	3578	[779, 5816]	6907	[9418, 3971]	10236	[11756, 5222]
250	[493, 494]	3579	[2157, 5817]	6908	[9419, 7914]	10237	[11757, 5131]
251	[495, 496]	3580	[5818, 5819]	6909	[9420, 3940]	10238	[9827, 9406]
252	[497, 498]	3581	[5820, 5821]	6910	[456, 4790]	10239	[11731, 4501]
253	[499, 500]	3582	[5822, 2046]	6911	[9421, 7768]	10240	[11758, 8437]
254	[501, 502]	3583	[5823, 5824]	6912	[9422, 9423]	10241	[9929, 10025]
255	[503, 504]	3584	[5825, 5826]	6913	[9424, 9425]	10242	[11759, 4325]
256	[505, 506]	3585	[5827, 5828]	6914	[9426, 9427]	10243	[4412, 3598]
257	[507, 508]	3586	[5829, 5830]	6915	[7898, 9428]	10244	[11760, 11761]
258	[509, 510]	3587	[5831, 5832]	6916	[9429, 9430]	10245	[11762, 9263]
259	[511, 512]	3588	[5671, 5833]	6917	[9431, 9432]	10246	[426, 7897]
260	[513, 514]	3589	[5834, 3162]	6918	[9433, 9434]	10247	[1075, 3693]
261	[515, 516]	3590	[5835, 5836]	6919	[9434, 9435]	10248	[9701, 9316]
262	[517, 518]	3591	[5837, 731]	6920	[9436, 4524]	10249	[11763, 11764]
263	[519, 520]	3592	[3111, 733]	6921	[9437, 9438]	10250	[11765, 4005]
264	[521, 522]	3593	[3001, 5838]	6922	[1451, 5143]	10251	[11766, 4109]
265	[523, 524]	3594	[5839, 5840]	6923	[9439, 9440]	10252	[11767, 1039]
266	[525, 526]	3595	[5841, 5842]	6924	[9441, 7700]	10253	[11768, 11769]
267	[527, 528]	3596	[5697, 5843]	6925	[4523, 9442]	10254	[11770, 3484]
268	[529, 530]	3597	[5844, 1998]	6926	[9443, 9444]	10255	[11771, 8575]
269	[531, 532]	3598	[5845, 5846]	6927	[9445, 8656]	10256	[11772, 11773]
270	[533, 534]	3599	[5847, 2209]	6928	[4528, 7918]	10257	[11774, 7684]
271	[535, 536]	3600	[5848, 5849]	6929	[9442, 9446]	10258	[11775, 11776]
272	[537, 538]	3601	[5850, 5851]	6930	[9444, 1215]	10259	[11777, 9435]
273	[539, 540]	3602	[5852, 5853]	6931	[9447, 8364]	10260	[9867, 3865]
274	[541, 542]	3603	[5854, 5855]	6932	[4521, 9441]	10261	[11778, 11779]
275	[543, 544]	3604	[5856, 5857]	6933	[9448, 9449]	10262	[11780, 11781]
276	[545, 546]	3605	[5858, 1947]	6934	[9446, 9304]	10263	[8825, 8452]
277	[547, 548]	3606	[5859, 129]	6935	[9450, 9451]	10264	[11782, 1310]
278	[549, 550]	3607	[5524, 5860]	6936	[9452, 981]	10265	[10016, 8645]
279	[551, 552]	3608	[2444, 2614]	6937	[9453, 4268]	10266	[11783, 4194]

280	[553, 554]	3609	[5861, 5862]	6938	[9454, 3649]	10267	[8288, 9616]
281	[555, 556]	3610	[5863, 5864]	6939	[9455, 4080]	10268	[11784, 984]
282	[557, 558]	3611	[5865, 5866]	6940	[7982, 8772]	10269	[10080, 11785]
283	[559, 560]	3612	[5867, 813]	6941	[9456, 9457]	10270	[11786, 3358]
284	[561, 562]	3613	[1943, 5503]	6942	[9458, 9459]	10271	[11787, 8408]
285	[563, 564]	3614	[5868, 5869]	6943	[9460, 9461]	10272	[4266, 9615]
286	[565, 566]	3615	[5870, 787]	6944	[9462, 3357]	10273	[8394, 11788]
287	[567, 568]	3616	[5871, 946]	6945	[9463, 4771]	10274	[11789, 9442]
288	[569, 570]	3617	[3168, 5872]	6946	[9464, 4231]	10275	[9327, 3263]
289	[571, 572]	3618	[3080, 38]	6947	[1175, 9465]	10276	[9994, 9169]
290	[573, 574]	3619	[5873, 5874]	6948	[9466, 7709]	10277	[11790, 11791]
291	[575, 576]	3620	[5875, 5876]	6949	[9467, 9468]	10278	[3456, 7680]
292	[577, 578]	3621	[5877, 5878]	6950	[9469, 364]	10279	[11792, 1138]
293	[579, 580]	3622	[5879, 962]	6951	[9470, 5212]	10280	[11793, 8192]
294	[570, 581]	3623	[5880, 5881]	6952	[9471, 9472]	10281	[11794, 1590]
295	[582, 583]	3624	[5882, 3150]	6953	[9473, 8327]	10282	[11795, 11796]
296	[43, 584]	3625	[5883, 5884]	6954	[9474, 9475]	10283	[8052, 1237]
297	[585, 586]	3626	[2093, 5885]	6955	[3614, 9476]	10284	[4324, 95]
298	[587, 570]	3627	[5886, 5887]	6956	[9477, 8941]	10285	[8990, 1028]
299	[588, 589]	3628	[5888, 5889]	6957	[9478, 9479]	10286	[4450, 4594]
300	[590, 591]	3629	[5890, 5891]	6958	[9480, 4230]	10287	[9171, 11797]
301	[592, 593]	3630	[5892, 2577]	6959	[5165, 4684]	10288	[11798, 9441]
302	[594, 595]	3631	[3017, 5893]	6960	[9481, 3242]	10289	[11799, 11800]
303	[596, 597]	3632	[5894, 5895]	6961	[1084, 4291]	10290	[11801, 9625]
304	[598, 599]	3633	[5896, 5897]	6962	[9482, 9483]	10291	[8474, 3690]
305	[600, 601]	3634	[57, 2245]	6963	[9484, 9485]	10292	[488, 8309]
306	[602, 603]	3635	[2217, 5898]	6964	[9486, 9487]	10293	[3772, 4800]
307	[604, 605]	3636	[5899, 1879]	6965	[9488, 9489]	10294	[4271, 11802]
308	[606, 607]	3637	[5900, 5901]	6966	[4616, 3716]	10295	[11803, 8841]
309	[608, 609]	3638	[5902, 5903]	6967	[9490, 9491]	10296	[8500, 8550]
310	[610, 611]	3639	[5904, 5905]	6968	[9492, 1539]	10297	[11804, 11805]
311	[612, 613]	3640	[5541, 5906]	6969	[9493, 9494]	10298	[10143, 3442]
312	[614, 615]	3641	[769, 5907]	6970	[9495, 8824]	10299	[8390, 9743]
313	[616, 617]	3642	[3130, 5908]	6971	[8614, 3995]	10300	[9509, 3862]
314	[618, 619]	3643	[2476, 5909]	6972	[3793, 4324]	10301	[1585, 11806]
315	[620, 621]	3644	[5910, 5911]	6973	[9496, 9497]	10302	[11807, 8607]
316	[622, 623]	3645	[5912, 5913]	6974	[9498, 9000]	10303	[4028, 3249]
317	[508, 624]	3646	[5914, 5915]	6975	[8113, 9499]	10304	[7669, 11808]
318	[625, 626]	3647	[5543, 5916]	6976	[3683, 9500]	10305	[11809, 1776]
319	[627, 628]	3648	[5917, 5918]	6977	[3319, 9275]	10306	[11810, 8995]
320	[629, 630]	3649	[5919, 5920]	6978	[9501, 9502]	10307	[11811, 11812]
321	[631, 632]	3650	[5921, 5922]	6979	[9503, 9377]	10308	[11813, 5151]
322	[633, 634]	3651	[2790, 5923]	6980	[9504, 1410]	10309	[3633, 4925]
323	[635, 525]	3652	[3158, 761]	6981	[9505, 9506]	10310	[1540, 3848]

324	[636, 637]	3653	[5717, 5924]	6982	[9507, 3871]	10311	[4047, 11814]
325	[638, 166]	3654	[732, 5925]	6983	[9508, 9509]	10312	[11815, 9690]
326	[639, 640]	3655	[5926, 5661]	6984	[4920, 9510]	10313	[11816, 3829]
327	[641, 178]	3656	[5927, 831]	6985	[9511, 4194]	10314	[11817, 4290]
328	[642, 643]	3657	[5928, 5929]	6986	[9512, 415]	10315	[11818, 11819]
329	[644, 645]	3658	[5930, 2355]	6987	[9513, 9514]	10316	[11820, 4821]
330	[646, 647]	3659	[5931, 5932]	6988	[5088, 1296]	10317	[4548, 1563]
331	[648, 649]	3660	[5933, 5934]	6989	[9515, 9516]	10318	[5033, 4156]
332	[650, 651]	3661	[5935, 1834]	6990	[9517, 9518]	10319	[11821, 3853]
333	[652, 653]	3662	[5936, 5937]	6991	[9519, 4827]	10320	[8850, 323]
334	[654, 655]	3663	[2113, 5938]	6992	[9520, 9521]	10321	[11822, 1625]
335	[656, 657]	3664	[5646, 855]	6993	[4146, 9118]	10322	[3694, 9765]
336	[658, 659]	3665	[5939, 5940]	6994	[9522, 9523]	10323	[11823, 7781]
337	[660, 661]	3666	[5941, 5942]	6995	[9524, 1709]	10324	[11824, 9881]
338	[662, 663]	3667	[2932, 5943]	6996	[9525, 1298]	10325	[11825, 1425]
339	[664, 665]	3668	[5944, 5945]	6997	[9526, 9527]	10326	[11826, 11827]
340	[666, 667]	3669	[5946, 574]	6998	[8003, 5197]	10327	[11828, 9582]
341	[668, 669]	3670	[2198, 5947]	6999	[9528, 1722]	10328	[11829, 11830]
342	[670, 671]	3671	[5674, 5948]	7000	[9521, 9529]	10329	[11831, 5305]
343	[672, 673]	3672	[3136, 5949]	7001	[9530, 9531]	10330	[10009, 9438]
344	[674, 675]	3673	[5950, 5951]	7002	[9532, 9533]	10331	[11832, 9488]
345	[676, 677]	3674	[5952, 164]	7003	[8753, 9362]	10332	[11833, 10120]
346	[678, 679]	3675	[5953, 2963]	7004	[381, 3684]	10333	[11834, 3619]
347	[680, 681]	3676	[5954, 1854]	7005	[8626, 1354]	10334	[11835, 9224]
348	[682, 683]	3677	[163, 5955]	7006	[9534, 3245]	10335	[11836, 8312]
349	[684, 685]	3678	[5956, 5957]	7007	[8675, 4949]	10336	[3328, 3535]
350	[686, 582]	3679	[5958, 799]	7008	[7667, 1582]	10337	[8580, 398]
351	[687, 688]	3680	[5959, 5960]	7009	[9535, 1461]	10338	[3823, 11837]
352	[660, 689]	3681	[5518, 2472]	7010	[9536, 9537]	10339	[11838, 7979]
353	[690, 557]	3682	[2791, 5961]	7011	[9538, 3393]	10340	[1202, 9425]
354	[691, 692]	3683	[519, 3159]	7012	[334, 8776]	10341	[11839, 3754]
355	[693, 694]	3684	[1899, 1835]	7013	[9395, 1387]	10342	[980, 8017]
356	[695, 696]	3685	[744, 5962]	7014	[9539, 1537]	10343	[9877, 11840]
357	[697, 698]	3686	[2849, 5963]	7015	[9540, 5237]	10344	[9428, 11841]
358	[699, 700]	3687	[5964, 5921]	7016	[8570, 9541]	10345	[11842, 11843]
359	[701, 702]	3688	[5965, 5966]	7017	[9542, 3854]	10346	[11844, 1182]
360	[703, 704]	3689	[5967, 5968]	7018	[9543, 8342]	10347	[11845, 11846]
361	[705, 706]	3690	[663, 5400]	7019	[9357, 8235]	10348	[8639, 11847]
362	[707, 708]	3691	[2143, 5969]	7020	[4171, 3749]	10349	[3769, 4670]
363	[165, 709]	3692	[5970, 5971]	7021	[9544, 9545]	10350	[8067, 1489]
364	[710, 711]	3693	[179, 2989]	7022	[9546, 9547]	10351	[11848, 1125]
365	[712, 713]	3694	[2020, 5972]	7023	[5096, 4215]	10352	[11849, 8826]
366	[714, 683]	3695	[5422, 5973]	7024	[9548, 9549]	10353	[8768, 8159]
367	[715, 716]	3696	[879, 5974]	7025	[8611, 8578]	10354	[11850, 8984]

368	[717, 718]	3697	[2070, 2128]	7026	[9550, 9551]	10355	[11851, 1422]
369	[719, 720]	3698	[2682, 3139]	7027	[1703, 9552]	10356	[11852, 4746]
370	[721, 722]	3699	[2684, 5840]	7028	[8981, 9553]	10357	[11853, 375]
371	[723, 724]	3700	[5975, 5976]	7029	[9554, 8067]	10358	[11854, 11855]
372	[725, 726]	3701	[2866, 5977]	7030	[3631, 8802]	10359	[9846, 5227]
373	[727, 728]	3702	[2819, 5978]	7031	[9030, 4392]	10360	[11856, 9279]
374	[729, 730]	3703	[5979, 5753]	7032	[9555, 9556]	10361	[7731, 3561]
375	[731, 732]	3704	[5980, 5981]	7033	[8079, 9297]	10362	[11857, 11783]
376	[733, 734]	3705	[5982, 5983]	7034	[9557, 4510]	10363	[8056, 97]
377	[735, 736]	3706	[5984, 2098]	7035	[9558, 7952]	10364	[1373, 445]
378	[737, 738]	3707	[5981, 5770]	7036	[9559, 8905]	10365	[11858, 406]
379	[739, 740]	3708	[5985, 881]	7037	[3368, 9560]	10366	[11859, 11860]
380	[741, 742]	3709	[5986, 5987]	7038	[4602, 3808]	10367	[11861, 9606]
381	[743, 744]	3710	[2419, 5988]	7039	[1211, 7792]	10368	[8169, 11862]
382	[745, 746]	3711	[5989, 5469]	7040	[1228, 4338]	10369	[11863, 8895]
383	[747, 748]	3712	[5990, 904]	7041	[9561, 8527]	10370	[4278, 11864]
384	[749, 750]	3713	[5458, 5991]	7042	[9562, 1623]	10371	[8987, 8981]
385	[751, 752]	3714	[5992, 5993]	7043	[3218, 8243]	10372	[7876, 7893]
386	[753, 754]	3715	[5994, 2444]	7044	[9563, 9564]	10373	[11865, 8843]
387	[755, 756]	3716	[5995, 45]	7045	[9565, 1219]	10374	[5053, 10032]
388	[757, 758]	3717	[5996, 5997]	7046	[4635, 9566]	10375	[11866, 11867]
389	[759, 760]	3718	[5998, 3022]	7047	[9567, 3230]	10376	[11868, 5310]
390	[761, 762]	3719	[5552, 2726]	7048	[9568, 4133]	10377	[11869, 1165]
391	[763, 764]	3720	[5999, 6000]	7049	[9040, 3228]	10378	[4392, 9401]
392	[765, 31]	3721	[6001, 2283]	7050	[9569, 4105]	10379	[11870, 9275]
393	[766, 767]	3722	[6002, 6003]	7051	[9570, 3366]	10380	[1167, 8691]
394	[768, 769]	3723	[6004, 5962]	7052	[9571, 5017]	10381	[11871, 3707]
395	[770, 771]	3724	[6005, 6006]	7053	[9572, 9573]	10382	[9278, 7728]
396	[772, 773]	3725	[6007, 3094]	7054	[9574, 7914]	10383	[8104, 3414]
397	[774, 775]	3726	[1833, 5970]	7055	[9575, 9576]	10384	[11872, 11873]
398	[776, 777]	3727	[6008, 610]	7056	[9577, 1386]	10385	[11874, 1575]
399	[778, 779]	3728	[6009, 6010]	7057	[4390, 5085]	10386	[11875, 9157]
400	[780, 781]	3729	[6011, 2974]	7058	[9578, 9579]	10387	[11797, 9082]
401	[524, 782]	3730	[6012, 2686]	7059	[9580, 5030]	10388	[11876, 4636]
402	[783, 784]	3731	[6013, 5998]	7060	[9564, 9516]	10389	[11877, 4039]
403	[785, 786]	3732	[887, 6014]	7061	[9333, 3339]	10390	[11878, 7994]
404	[787, 788]	3733	[6015, 5991]	7062	[9265, 4387]	10391	[11879, 11880]
405	[789, 790]	3734	[589, 6016]	7063	[9581, 3261]	10392	[9734, 3565]
406	[791, 792]	3735	[6017, 6018]	7064	[5292, 9582]	10393	[11881, 11882]
407	[793, 794]	3736	[6019, 6020]	7065	[9583, 9584]	10394	[11883, 8341]
408	[795, 796]	3737	[6021, 6022]	7066	[9585, 9586]	10395	[11884, 5002]
409	[797, 798]	3738	[2216, 6023]	7067	[9587, 9588]	10396	[11885, 9989]
410	[234, 799]	3739	[6024, 5559]	7068	[9589, 9590]	10397	[11886, 4710]
411	[800, 801]	3740	[6025, 2362]	7069	[9591, 4360]	10398	[11887, 4733]

412	[802, 803]	3741	[2515, 6026]	7070	[4926, 9592]	10399	[11888, 1227]
413	[804, 805]	3742	[6027, 1850]	7071	[9593, 9594]	10400	[11889, 8436]
414	[806, 807]	3743	[2252, 6028]	7072	[4557, 1630]	10401	[11890, 9824]
415	[808, 809]	3744	[6029, 6030]	7073	[4837, 70]	10402	[9273, 9995]
416	[810, 243]	3745	[5843, 6031]	7074	[9595, 9492]	10403	[9104, 11891]
417	[811, 812]	3746	[6032, 6033]	7075	[304, 9126]	10404	[11892, 4045]
418	[813, 814]	3747	[5735, 5940]	7076	[9596, 8128]	10405	[11893, 4353]
419	[815, 816]	3748	[6034, 6035]	7077	[4086, 9597]	10406	[7661, 5044]
420	[817, 818]	3749	[5505, 6036]	7078	[9598, 1023]	10407	[11894, 4212]
421	[819, 820]	3750	[2920, 6037]	7079	[9599, 9600]	10408	[11895, 8414]
422	[821, 822]	3751	[500, 5340]	7080	[9601, 3462]	10409	[11896, 7767]
423	[823, 824]	3752	[5696, 6038]	7081	[9602, 9215]	10410	[11897, 3582]
424	[825, 826]	3753	[1924, 2388]	7082	[9603, 4850]	10411	[11898, 4628]
425	[827, 828]	3754	[8, 6039]	7083	[9604, 3832]	10412	[1055, 1414]
426	[829, 830]	3755	[6040, 3177]	7084	[9605, 9606]	10413	[11899, 1368]
427	[652, 831]	3756	[6041, 6042]	7085	[9607, 3980]	10414	[11900, 10151]
428	[832, 833]	3757	[6043, 2353]	7086	[9608, 9609]	10415	[11901, 4262]
429	[834, 762]	3758	[6044, 6045]	7087	[9500, 9610]	10416	[11902, 8427]
430	[835, 836]	3759	[5910, 5938]	7088	[9611, 9612]	10417	[11903, 10021]
431	[837, 838]	3760	[518, 5913]	7089	[5222, 4403]	10418	[4644, 11904]
432	[839, 840]	3761	[6046, 6047]	7090	[1263, 9613]	10419	[4705, 4848]
433	[841, 842]	3762	[2941, 2278]	7091	[9614, 9615]	10420	[11905, 457]
434	[843, 844]	3763	[2782, 5882]	7092	[9616, 9617]	10421	[11906, 1471]
435	[845, 846]	3764	[5855, 2536]	7093	[9618, 4612]	10422	[5174, 11907]
436	[847, 848]	3765	[6048, 6049]	7094	[4951, 9619]	10423	[1775, 4607]
437	[849, 850]	3766	[6050, 48]	7095	[9620, 7781]	10424	[9044, 11908]
438	[851, 786]	3767	[6051, 6052]	7096	[9621, 9622]	10425	[11909, 3740]
439	[852, 853]	3768	[2704, 6053]	7097	[9623, 8613]	10426	[11910, 4146]
440	[854, 855]	3769	[2832, 6054]	7098	[8366, 1427]	10427	[8881, 9020]
441	[856, 857]	3770	[6055, 6056]	7099	[9624, 9625]	10428	[3397, 8439]
442	[858, 859]	3771	[6057, 6058]	7100	[9626, 4036]	10429	[11911, 11902]
443	[246, 860]	3772	[6059, 5693]	7101	[9159, 3815]	10430	[11912, 7793]
444	[861, 862]	3773	[6060, 5506]	7102	[9627, 1110]	10431	[11913, 8326]
445	[863, 864]	3774	[2071, 6061]	7103	[346, 9063]	10432	[11914, 11915]
446	[865, 866]	3775	[742, 6062]	7104	[9628, 3645]	10433	[350, 4638]
447	[867, 868]	3776	[2291, 6063]	7105	[340, 4475]	10434	[11916, 11917]
448	[869, 870]	3777	[6064, 6065]	7106	[1691, 9629]	10435	[11918, 1052]
449	[871, 872]	3778	[6066, 602]	7107	[9630, 4066]	10436	[11919, 1460]
450	[873, 874]	3779	[524, 6067]	7108	[9483, 7943]	10437	[11920, 11921]
451	[875, 876]	3780	[1834, 6068]	7109	[9631, 4524]	10438	[9372, 9224]
452	[877, 571]	3781	[2566, 2589]	7110	[9632, 9633]	10439	[9914, 3811]
453	[878, 879]	3782	[5594, 2436]	7111	[9634, 1526]	10440	[11922, 8634]
454	[880, 881]	3783	[5596, 6069]	7112	[9635, 1068]	10441	[11923, 8497]
455	[882, 883]	3784	[194, 6070]	7113	[9636, 5160]	10442	[11924, 10049]

456	[884, 885]	3785	[6071, 3115]	7114	[9637, 5218]	10443	[11925, 9032]
457	[886, 887]	3786	[3012, 6072]	7115	[9638, 8057]	10444	[8588, 11926]
458	[888, 889]	3787	[6073, 6074]	7116	[9639, 9640]	10445	[11927, 8568]
459	[890, 891]	3788	[3116, 2380]	7117	[9641, 5041]	10446	[4956, 3293]
460	[892, 893]	3789	[6075, 2382]	7118	[4409, 1580]	10447	[9033, 8179]
461	[894, 895]	3790	[6076, 6077]	7119	[9642, 3957]	10448	[11928, 3443]
462	[896, 897]	3791	[6078, 6079]	7120	[9643, 9518]	10449	[11929, 11930]
463	[898, 675]	3792	[5429, 6080]	7121	[8813, 9644]	10450	[11931, 1430]
464	[899, 900]	3793	[6081, 45]	7122	[9645, 9646]	10451	[8088, 4672]
465	[901, 902]	3794	[6082, 6083]	7123	[5280, 8846]	10452	[11932, 7710]
466	[903, 904]	3795	[6084, 6085]	7124	[9647, 9648]	10453	[3635, 11842]
467	[905, 906]	3796	[6086, 6087]	7125	[9069, 9649]	10454	[11933, 64]
468	[907, 908]	3797	[6088, 6089]	7126	[9650, 8273]	10455	[11934, 3694]
469	[909, 910]	3798	[6090, 5525]	7127	[9651, 1146]	10456	[11935, 4008]
470	[911, 912]	3799	[6091, 6092]	7128	[9652, 9653]	10457	[11936, 390]
471	[913, 914]	3800	[6093, 5937]	7129	[9654, 3681]	10458	[11937, 362]
472	[207, 915]	3801	[6094, 5905]	7130	[9475, 9655]	10459	[9556, 3503]
473	[916, 507]	3802	[6095, 5665]	7131	[9656, 1226]	10460	[11938, 9688]
474	[917, 918]	3803	[6096, 6097]	7132	[9657, 8987]	10461	[11939, 9499]
475	[919, 920]	3804	[6098, 908]	7133	[9658, 5211]	10462	[11940, 11941]
476	[921, 922]	3805	[6099, 2764]	7134	[9659, 398]	10463	[11942, 11816]
477	[923, 924]	3806	[6100, 2275]	7135	[9660, 4601]	10464	[1061, 3985]
478	[925, 926]	3807	[872, 6101]	7136	[9661, 1287]	10465	[11943, 5215]
479	[927, 928]	3808	[6102, 899]	7137	[9662, 9663]	10466	[9963, 4442]
480	[929, 868]	3809	[213, 3090]	7138	[9664, 9665]	10467	[11944, 3549]
481	[930, 931]	3810	[2793, 2697]	7139	[9666, 5038]	10468	[11945, 10073]
482	[932, 933]	3811	[6103, 6104]	7140	[9667, 4673]	10469	[11946, 9900]
483	[934, 935]	3812	[6105, 2230]	7141	[8956, 4629]	10470	[9807, 4300]
484	[936, 937]	3813	[814, 2908]	7142	[9668, 9669]	10471	[5282, 9507]
485	[938, 939]	3814	[2421, 6106]	7143	[4610, 7802]	10472	[4649, 4818]
486	[940, 941]	3815	[6107, 6108]	7144	[8239, 5240]	10473	[11947, 4404]
487	[942, 943]	3816	[6109, 2207]	7145	[9670, 8606]	10474	[11948, 11949]
488	[944, 748]	3817	[6110, 2574]	7146	[1455, 4686]	10475	[11950, 9841]
489	[945, 946]	3818	[6111, 537]	7147	[9671, 9672]	10476	[11951, 1027]
490	[947, 948]	3819	[6112, 6113]	7148	[9673, 3687]	10477	[9018, 1452]
491	[949, 950]	3820	[6114, 682]	7149	[9674, 8416]	10478	[4205, 7779]
492	[951, 952]	3821	[6115, 2136]	7150	[9675, 1820]	10479	[11952, 10112]
493	[953, 954]	3822	[6116, 6117]	7151	[9676, 9677]	10480	[11953, 1814]
494	[955, 956]	3823	[6118, 1930]	7152	[9678, 9679]	10481	[4100, 1339]
495	[957, 958]	3824	[6119, 2998]	7153	[9680, 8259]	10482	[4352, 5038]
496	[959, 960]	3825	[6120, 2732]	7154	[9681, 4074]	10483	[1307, 9514]
497	[961, 962]	3826	[6121, 6122]	7155	[9226, 9682]	10484	[11954, 11955]
498	[963, 964]	3827	[6123, 6124]	7156	[9683, 8999]	10485	[9757, 7694]
499	[965, 966]	3828	[6125, 5771]	7157	[4098, 9684]	10486	[4829, 8605]

500	[967, 968]	3829	[5947, 2837]	7158	[9685, 8359]	10487	[11956, 9782]
501	[969, 970]	3830	[6126, 6127]	7159	[9686, 3931]	10488	[11957, 3998]
502	[971, 972]	3831	[6128, 6129]	7160	[9687, 9688]	10489	[3733, 11958]
503	[973, 974]	3832	[1920, 5772]	7161	[9689, 9690]	10490	[11959, 11960]
504	[975, 976]	3833	[6130, 157]	7162	[9691, 3655]	10491	[11961, 7918]
505	[977, 978]	3834	[6131, 6132]	7163	[9692, 1752]	10492	[11962, 1436]
506	[979, 980]	3835	[134, 6133]	7164	[9693, 1242]	10493	[11963, 3570]
507	[981, 982]	3836	[6134, 6135]	7165	[8691, 9694]	10494	[11964, 11965]
508	[983, 984]	3837	[6136, 6137]	7166	[9695, 4040]	10495	[4051, 9988]
509	[985, 986]	3838	[6138, 2609]	7167	[9696, 3238]	10496	[11966, 9927]
510	[987, 988]	3839	[1959, 2600]	7168	[9697, 9698]	10497	[11967, 3877]
511	[989, 990]	3840	[6139, 2232]	7169	[9699, 8925]	10498	[11968, 11969]
512	[991, 992]	3841	[2518, 6092]	7170	[4948, 7786]	10499	[11970, 11971]
513	[993, 994]	3842	[6140, 11]	7171	[1053, 3301]	10500	[11972, 3279]
514	[995, 996]	3843	[6141, 3095]	7172	[8222, 9351]	10501	[11973, 968]
515	[997, 998]	3844	[2525, 6142]	7173	[3580, 1143]	10502	[9095, 8742]
516	[999, 1000]	3845	[6143, 6144]	7174	[9700, 3722]	10503	[11974, 1438]
517	[1001, 1002]	3846	[6145, 6146]	7175	[8489, 8781]	10504	[11975, 8127]
518	[1003, 1004]	3847	[6147, 6148]	7176	[8215, 9701]	10505	[368, 9764]
519	[1005, 1006]	3848	[6149, 6150]	7177	[9702, 3267]	10506	[11976, 1557]
520	[1007, 381]	3849	[2780, 6151]	7178	[8912, 9703]	10507	[1051, 11977]
521	[1008, 1009]	3850	[6152, 6153]	7179	[9704, 1555]	10508	[11978, 11963]
522	[1010, 1011]	3851	[6154, 613]	7180	[9705, 290]	10509	[11979, 78]
523	[1012, 1013]	3852	[6155, 641]	7181	[9706, 4503]	10510	[11980, 11981]
524	[1014, 1015]	3853	[2619, 14]	7182	[9707, 9487]	10511	[11982, 1170]
525	[1016, 1017]	3854	[897, 5644]	7183	[9708, 1070]	10512	[11983, 8289]
526	[1018, 1019]	3855	[6156, 1885]	7184	[9709, 4140]	10513	[11984, 9644]
527	[1020, 1021]	3856	[6157, 6158]	7185	[9710, 9711]	10514	[11985, 8854]
528	[1022, 1023]	3857	[5993, 5700]	7186	[9712, 7925]	10515	[4127, 5064]
529	[1024, 1025]	3858	[5745, 6159]	7187	[9713, 9714]	10516	[11986, 7871]
530	[1026, 1027]	3859	[579, 6160]	7188	[9715, 9716]	10517	[11987, 11988]
531	[1028, 1029]	3860	[1851, 6161]	7189	[9717, 4181]	10518	[11989, 3675]
532	[1030, 1031]	3861	[6162, 5521]	7190	[9718, 8248]	10519	[9233, 11990]
533	[1032, 1033]	3862	[6163, 6164]	7191	[9719, 8376]	10520	[8521, 8693]
534	[1034, 1035]	3863	[6165, 6166]	7192	[9720, 1787]	10521	[4683, 11869]
535	[1036, 1037]	3864	[714, 699]	7193	[9721, 8277]	10522	[11991, 11689]
536	[1038, 1039]	3865	[1840, 6167]	7194	[9722, 9149]	10523	[11992, 9124]
537	[1040, 1041]	3866	[6168, 6169]	7195	[9723, 8944]	10524	[11993, 66]
538	[1042, 286]	3867	[6170, 6171]	7196	[9724, 9725]	10525	[7659, 8105]
539	[1043, 1044]	3868	[6172, 5458]	7197	[9726, 9727]	10526	[9378, 11994]
540	[1045, 1046]	3869	[6173, 5724]	7198	[9728, 9729]	10527	[11995, 11996]
541	[92, 1047]	3870	[6174, 6175]	7199	[9730, 8925]	10528	[11997, 4259]
542	[1048, 1049]	3871	[6176, 6177]	7200	[4932, 9731]	10529	[11998, 1011]
543	[1050, 1051]	3872	[6178, 5904]	7201	[8603, 3910]	10530	[11999, 4056]

544	[1052, 1053]	3873	[6179, 6180]	7202	[9732, 1576]	10531	[4064, 12000]
545	[1054, 1055]	3874	[2053, 6181]	7203	[9733, 9734]	10532	[12001, 1202]
546	[1056, 1057]	3875	[2354, 6182]	7204	[9735, 3900]	10533	[9158, 9545]
547	[1058, 1059]	3876	[2235, 6089]	7205	[9736, 9737]	10534	[3806, 1529]
548	[1060, 1061]	3877	[6183, 6184]	7206	[9738, 4213]	10535	[12002, 8886]
549	[1062, 1063]	3878	[6185, 6186]	7207	[9739, 5185]	10536	[9195, 9306]
550	[1064, 1065]	3879	[6187, 6188]	7208	[8392, 4549]	10537	[12003, 4330]
551	[1066, 1067]	3880	[6189, 6190]	7209	[9740, 4466]	10538	[4755, 12004]
552	[1068, 1069]	3881	[6191, 6192]	7210	[8281, 8827]	10539	[9304, 5048]
553	[1070, 1071]	3882	[6193, 6194]	7211	[278, 3456]	10540	[12005, 4302]
554	[1072, 1073]	3883	[2788, 6195]	7212	[9741, 92]	10541	[12006, 4790]
555	[1074, 1075]	3884	[930, 6196]	7213	[9742, 9689]	10542	[4811, 4495]
556	[1076, 1077]	3885	[6197, 6198]	7214	[9743, 5012]	10543	[12007, 12008]
557	[1078, 1079]	3886	[6199, 2770]	7215	[9744, 1084]	10544	[11745, 3899]
558	[1080, 456]	3887	[6200, 6201]	7216	[9745, 9746]	10545	[12009, 4854]
559	[1081, 1082]	3888	[6202, 6203]	7217	[9747, 9748]	10546	[12010, 1765]
560	[1083, 1084]	3889	[6204, 6205]	7218	[9749, 7841]	10547	[5167, 12011]
561	[1085, 1028]	3890	[6206, 3140]	7219	[7688, 4789]	10548	[4464, 9728]
562	[1086, 1087]	3891	[6207, 6087]	7220	[9750, 9751]	10549	[12012, 12013]
563	[1088, 1089]	3892	[6208, 6209]	7221	[8073, 9752]	10550	[4220, 12014]
564	[1090, 1091]	3893	[6210, 6211]	7222	[9753, 3229]	10551	[12015, 94]
565	[1092, 1093]	3894	[645, 3198]	7223	[360, 1149]	10552	[12016, 440]
566	[1094, 1095]	3895	[6212, 5342]	7224	[9754, 9755]	10553	[12017, 4653]
567	[1096, 1097]	3896	[6213, 6214]	7225	[9756, 8778]	10554	[10063, 5124]
568	[1098, 1099]	3897	[6215, 6216]	7226	[3226, 9757]	10555	[12018, 3714]
569	[1100, 1101]	3898	[5536, 956]	7227	[9758, 1565]	10556	[78, 8338]
570	[1102, 1103]	3899	[5830, 2005]	7228	[9759, 4842]	10557	[12019, 9578]
571	[1104, 1105]	3900	[6217, 6218]	7229	[9760, 9761]	10558	[12020, 4741]
572	[1106, 1107]	3901	[6219, 6220]	7230	[9762, 283]	10559	[12021, 7755]
573	[1108, 384]	3902	[6221, 5947]	7231	[9763, 8234]	10560	[12022, 3781]
574	[1109, 1110]	3903	[5554, 1862]	7232	[8747, 9229]	10561	[12023, 9687]
575	[1111, 1112]	3904	[5890, 6222]	7233	[9764, 4089]	10562	[12024, 4240]
576	[1113, 1114]	3905	[6223, 6224]	7234	[9765, 9766]	10563	[12025, 1201]
577	[1115, 1116]	3906	[6225, 5785]	7235	[9767, 9768]	10564	[1386, 12026]
578	[1117, 1118]	3907	[6226, 6227]	7236	[9769, 439]	10565	[12027, 5114]
579	[1119, 1120]	3908	[6228, 5355]	7237	[4335, 8674]	10566	[9547, 1743]
580	[1121, 1122]	3909	[6169, 6137]	7238	[4040, 9770]	10567	[12028, 8662]
581	[1123, 1124]	3910	[6229, 6230]	7239	[5039, 9771]	10568	[12029, 12030]
582	[1125, 1126]	3911	[6231, 6232]	7240	[9772, 1448]	10569	[8868, 5148]
583	[1127, 1128]	3912	[6233, 5538]	7241	[9773, 281]	10570	[7921, 7959]
584	[1129, 1130]	3913	[2432, 791]	7242	[9774, 4956]	10571	[4989, 12031]
585	[1131, 1132]	3914	[608, 2075]	7243	[8573, 9775]	10572	[4770, 12032]
586	[1133, 1134]	3915	[1888, 35]	7244	[9776, 4557]	10573	[12033, 3537]
587	[1135, 1123]	3916	[6234, 6235]	7245	[9777, 4739]	10574	[12034, 8554]

588	[1136, 1137]	3917	[3072, 6236]	7246	[9778, 330]	10575	[11697, 4158]
589	[1138, 1139]	3918	[2353, 667]	7247	[3501, 3334]	10576	[1191, 4235]
590	[1140, 1141]	3919	[3091, 6237]	7248	[9779, 9780]	10577	[7874, 3270]
591	[1142, 1143]	3920	[6238, 6239]	7249	[9294, 9781]	10578	[12035, 4475]
592	[1144, 1145]	3921	[6240, 1912]	7250	[9782, 9783]	10579	[1393, 11985]
593	[1146, 1147]	3922	[6241, 6242]	7251	[9784, 3708]	10580	[12036, 7976]
594	[1148, 1149]	3923	[6243, 3096]	7252	[9785, 9786]	10581	[12037, 12038]
595	[1150, 1151]	3924	[6196, 6244]	7253	[9787, 9638]	10582	[12039, 1348]
596	[1152, 1153]	3925	[6245, 3052]	7254	[454, 9788]	10583	[1457, 4496]
597	[1154, 1155]	3926	[1961, 2315]	7255	[9037, 7916]	10584	[12040, 3465]
598	[1156, 1157]	3927	[2552, 6246]	7256	[9789, 4702]	10585	[12041, 12042]
599	[1158, 1159]	3928	[6247, 6248]	7257	[9790, 8256]	10586	[4792, 12043]
600	[1160, 1161]	3929	[1937, 6249]	7258	[9791, 3340]	10587	[12044, 12045]
601	[1162, 1163]	3930	[6250, 5867]	7259	[9792, 9793]	10588	[9339, 5002]
602	[1164, 1165]	3931	[6251, 6252]	7260	[9698, 8806]	10589	[8181, 8045]
603	[1166, 1167]	3932	[6253, 6254]	7261	[9794, 9795]	10590	[4167, 12046]
604	[1168, 1169]	3933	[6255, 932]	7262	[5060, 7672]	10591	[12047, 12048]
605	[1170, 1171]	3934	[6256, 6031]	7263	[9796, 1239]	10592	[5191, 4763]
606	[1172, 1173]	3935	[6257, 6258]	7264	[9797, 9378]	10593	[7933, 4871]
607	[1174, 1175]	3936	[2085, 6259]	7265	[4577, 3757]	10594	[4536, 12049]
608	[1176, 1177]	3937	[6260, 2891]	7266	[1423, 9600]	10595	[12050, 8775]
609	[1178, 1179]	3938	[6261, 6262]	7267	[9798, 4730]	10596	[12051, 5270]
610	[1180, 1181]	3939	[6187, 6263]	7268	[9799, 9278]	10597	[12052, 12053]
611	[1182, 1183]	3940	[6264, 5728]	7269	[9800, 1593]	10598	[5029, 3474]
612	[1184, 1185]	3941	[6265, 2655]	7270	[9801, 8827]	10599	[12054, 12055]
613	[1186, 1187]	3942	[6266, 6267]	7271	[9201, 9290]	10600	[8041, 4645]
614	[1188, 1189]	3943	[6268, 6269]	7272	[4228, 3791]	10601	[12056, 3510]
615	[1190, 1191]	3944	[2270, 6270]	7273	[9802, 9235]	10602	[9768, 12057]
616	[1192, 1193]	3945	[6271, 151]	7274	[9803, 9804]	10603	[12058, 1785]
617	[1194, 1195]	3946	[5539, 1975]	7275	[9805, 3765]	10604	[12059, 1428]
618	[1196, 1197]	3947	[2847, 6272]	7276	[9806, 9807]	10605	[12060, 5162]
619	[1198, 1199]	3948	[6273, 6274]	7277	[9808, 3371]	10606	[24, 5164]
620	[1200, 1005]	3949	[2072, 6275]	7278	[4730, 4548]	10607	[12061, 5161]
621	[383, 1181]	3950	[6276, 6277]	7279	[9809, 9810]	10608	[9955, 1712]
622	[1201, 1202]	3951	[6278, 6279]	7280	[9811, 8502]	10609	[3628, 9220]
623	[1203, 1204]	3952	[6280, 5800]	7281	[9812, 3966]	10610	[3287, 4225]
624	[982, 351]	3953	[6281, 5904]	7282	[9813, 122]	10611	[12062, 8548]
625	[1205, 1206]	3954	[5779, 744]	7283	[9359, 4490]	10612	[12063, 1523]
626	[1207, 1089]	3955	[6282, 6283]	7284	[9814, 9257]	10613	[9711, 8901]
627	[1208, 1209]	3956	[2030, 2197]	7285	[9815, 3899]	10614	[12064, 4955]
628	[1210, 1211]	3957	[3129, 5456]	7286	[9816, 9817]	10615	[11941, 12065]
629	[1212, 1213]	3958	[6284, 774]	7287	[9818, 1103]	10616	[12066, 1004]
630	[1214, 1215]	3959	[6285, 5612]	7288	[9819, 8520]	10617	[12067, 12068]
631	[1216, 1217]	3960	[6286, 6287]	7289	[5197, 1333]	10618	[12069, 9049]

632	[1218, 1219]	3961	[836, 866]	7290	[9820, 9821]	10619	[4872, 12070]
633	[1220, 1221]	3962	[5978, 3018]	7291	[9822, 9823]	10620	[12071, 1179]
634	[1222, 1223]	3963	[5579, 5762]	7292	[5286, 9824]	10621	[5199, 12072]
635	[1224, 1018]	3964	[6288, 646]	7293	[9825, 9158]	10622	[12073, 1786]
636	[1225, 1226]	3965	[6289, 6290]	7294	[9826, 9827]	10623	[12074, 12075]
637	[1227, 1228]	3966	[6291, 6292]	7295	[8599, 4814]	10624	[12076, 9171]
638	[1229, 1230]	3967	[5528, 2996]	7296	[9828, 1583]	10625	[12077, 8579]
639	[1231, 1232]	3968	[5607, 6293]	7297	[9829, 9300]	10626	[12078, 7691]
640	[1233, 1234]	3969	[3140, 6294]	7298	[4699, 4011]	10627	[4804, 9027]
641	[1235, 1065]	3970	[6295, 1945]	7299	[68, 9830]	10628	[12079, 3626]
642	[1236, 1237]	3971	[6296, 648]	7300	[9485, 7789]	10629	[12080, 438]
643	[1238, 1239]	3972	[6297, 5548]	7301	[9831, 5033]	10630	[4493, 3703]
644	[1240, 1241]	3973	[5370, 6298]	7302	[9208, 9231]	10631	[9499, 7910]
645	[1242, 1243]	3974	[6299, 6300]	7303	[9383, 4875]	10632	[12081, 4171]
646	[1244, 1245]	3975	[2431, 5617]	7304	[9832, 8175]	10633	[12082, 5116]
647	[1246, 1247]	3976	[6301, 6302]	7305	[9833, 4035]	10634	[12083, 1412]
648	[1248, 1249]	3977	[142, 6204]	7306	[9834, 8840]	10635	[12084, 8919]
649	[1250, 1251]	3978	[6303, 6304]	7307	[9835, 3749]	10636	[5303, 257]
650	[1252, 1253]	3979	[6305, 6306]	7308	[9836, 4872]	10637	[12085, 12086]
651	[1254, 1255]	3980	[6307, 5582]	7309	[9837, 9838]	10638	[12087, 3650]
652	[1256, 1257]	3981	[6308, 1871]	7310	[9839, 4711]	10639	[12088, 9781]
653	[1258, 1259]	3982	[6309, 6310]	7311	[9840, 1727]	10640	[12089, 10026]
654	[1260, 421]	3983	[6311, 6312]	7312	[8262, 8307]	10641	[12090, 1329]
655	[1261, 369]	3984	[6313, 6314]	7313	[4161, 29]	10642	[7815, 9299]
656	[1262, 1263]	3985	[6315, 6316]	7314	[4164, 9727]	10643	[12091, 8147]
657	[1264, 1265]	3986	[1997, 6317]	7315	[9841, 9842]	10644	[11882, 9531]
658	[1266, 1267]	3987	[6318, 6319]	7316	[5219, 1338]	10645	[12092, 12093]
659	[1268, 1269]	3988	[6320, 2195]	7317	[9843, 9844]	10646	[12094, 9243]
660	[1270, 1271]	3989	[2519, 2521]	7318	[9845, 9846]	10647	[12095, 1505]
661	[1272, 1273]	3990	[6321, 6322]	7319	[9847, 19]	10648	[4897, 12096]
662	[1274, 1275]	3991	[2386, 6323]	7320	[9848, 4574]	10649	[12097, 4523]
663	[1276, 1277]	3992	[6324, 6325]	7321	[9849, 9850]	10650	[7900, 12098]
664	[1278, 1279]	3993	[6326, 6327]	7322	[9851, 1806]	10651	[12099, 8403]
665	[1280, 1281]	3994	[5882, 6328]	7323	[9852, 9853]	10652	[12100, 12101]
666	[1282, 454]	3995	[3021, 6319]	7324	[9854, 5163]	10653	[12102, 4922]
667	[1283, 1284]	3996	[6329, 6330]	7325	[9582, 7819]	10654	[1327, 9834]
668	[1285, 1286]	3997	[6331, 2831]	7326	[9855, 3302]	10655	[3462, 4093]
669	[1287, 1288]	3998	[6332, 2483]	7327	[9856, 9857]	10656	[12103, 12104]
670	[1289, 1290]	3999	[6333, 2909]	7328	[4328, 9040]	10657	[4458, 9458]
671	[1291, 426]	4000	[6334, 2450]	7329	[9858, 7677]	10658	[476, 10117]
672	[1292, 1293]	4001	[6335, 6336]	7330	[9859, 5161]	10659	[12105, 12106]
673	[1294, 1295]	4002	[6092, 2521]	7331	[9860, 9341]	10660	[12107, 1544]
674	[1296, 1297]	4003	[6337, 2443]	7332	[9861, 4553]	10661	[10056, 1256]
675	[1298, 1299]	4004	[2663, 6338]	7333	[3433, 9070]	10662	[12108, 7983]

676	[1300, 1301]	4005	[6339, 6340]	7334	[9862, 4655]	10663	[1378, 4071]
677	[1302, 1303]	4006	[6341, 5440]	7335	[1009, 9716]	10664	[336, 12109]
678	[1304, 1305]	4007	[6342, 5885]	7336	[9863, 4769]	10665	[12110, 4796]
679	[1306, 1307]	4008	[6343, 6344]	7337	[9864, 4689]	10666	[12111, 12112]
680	[1308, 1309]	4009	[5742, 6345]	7338	[9865, 7802]	10667	[9136, 3707]
681	[1310, 1311]	4010	[6346, 6347]	7339	[9866, 1176]	10668	[12113, 12114]
682	[1312, 1313]	4011	[5905, 5826]	7340	[1082, 1192]	10669	[12115, 1247]
683	[1314, 1315]	4012	[6348, 6349]	7341	[1120, 1015]	10670	[7714, 12116]
684	[1316, 1317]	4013	[5355, 5385]	7342	[8632, 8270]	10671	[3405, 11982]
685	[1318, 1319]	4014	[6350, 6030]	7343	[4769, 9867]	10672	[4991, 11790]
686	[1320, 1321]	4015	[6351, 6352]	7344	[4627, 9583]	10673	[4485, 9736]
687	[1322, 1323]	4016	[2957, 5821]	7345	[8357, 9868]	10674	[8077, 9483]
688	[1324, 1325]	4017	[2960, 6353]	7346	[1598, 3701]	10675	[12117, 12118]
689	[1326, 1327]	4018	[6354, 6355]	7347	[9869, 1748]	10676	[4643, 4191]
690	[1328, 67]	4019	[2892, 6356]	7348	[9870, 9871]	10677	[12119, 477]
691	[1329, 1330]	4020	[6357, 2927]	7349	[9872, 3775]	10678	[12120, 12121]
692	[1331, 1332]	4021	[6358, 6359]	7350	[9873, 1699]	10679	[12122, 1310]
693	[1333, 1334]	4022	[6360, 6342]	7351	[348, 8561]	10680	[9188, 117]
694	[1335, 1336]	4023	[734, 6361]	7352	[5019, 113]	10681	[12123, 9332]
695	[1337, 1338]	4024	[6362, 6363]	7353	[9874, 5288]	10682	[12124, 3367]
696	[1339, 1340]	4025	[2427, 2134]	7354	[9875, 1248]	10683	[12125, 9232]
697	[1341, 1342]	4026	[6364, 5603]	7355	[9876, 9877]	10684	[12126, 8261]
698	[1343, 1344]	4027	[6137, 6365]	7356	[9354, 345]	10685	[12127, 12033]
699	[1345, 1346]	4028	[5686, 6366]	7357	[9878, 482]	10686	[12128, 126]
700	[1347, 1348]	4029	[6367, 160]	7358	[9879, 9880]	10687	[12129, 1002]
701	[1349, 1350]	4030	[6368, 6369]	7359	[9881, 3239]	10688	[12130, 9023]
702	[1351, 1352]	4031	[6370, 6371]	7360	[8752, 9677]	10689	[12131, 3338]
703	[1195, 1353]	4032	[5994, 2613]	7361	[1803, 9882]	10690	[12132, 7934]
704	[1354, 1355]	4033	[6372, 6373]	7362	[9714, 3315]	10691	[9352, 7759]
705	[1356, 1357]	4034	[5663, 3111]	7363	[9883, 9884]	10692	[1311, 12133]
706	[1358, 1359]	4035	[6374, 2433]	7364	[9189, 8298]	10693	[12134, 8209]
707	[1360, 1361]	4036	[1876, 6375]	7365	[9885, 9886]	10694	[12135, 5014]
708	[1362, 1363]	4037	[6376, 6048]	7366	[9887, 5085]	10695	[12136, 10062]
709	[1364, 1365]	4038	[1945, 6377]	7367	[9888, 1762]	10696	[12137, 3296]
710	[1366, 1367]	4039	[2043, 6378]	7368	[9889, 3424]	10697	[9430, 3942]
711	[1368, 1369]	4040	[5347, 941]	7369	[3493, 9108]	10698	[1590, 4462]
712	[1370, 1371]	4041	[6379, 6380]	7370	[9890, 1743]	10699	[8157, 12138]
713	[1372, 1373]	4042	[2006, 5553]	7371	[9082, 8791]	10700	[12139, 4550]
714	[1374, 1347]	4043	[6381, 2918]	7372	[9891, 9767]	10701	[12140, 8459]
715	[1375, 1376]	4044	[6248, 5713]	7373	[9892, 9893]	10702	[12141, 8674]
716	[1377, 1378]	4045	[6382, 1905]	7374	[9894, 1508]	10703	[12142, 3355]
717	[1379, 1380]	4046	[6383, 6384]	7375	[8124, 5109]	10704	[12143, 12144]
718	[1381, 1382]	4047	[6385, 6386]	7376	[9895, 8415]	10705	[12145, 12146]
719	[1383, 1384]	4048	[6387, 6388]	7377	[8828, 1016]	10706	[12147, 4427]

720	[1385, 1386]	4049	[6389, 2357]	7378	[9896, 4494]	10707	[12148, 1737]
721	[1387, 1388]	4050	[6390, 6391]	7379	[397, 5221]	10708	[12149, 3224]
722	[1389, 1390]	4051	[6392, 6393]	7380	[7906, 9897]	10709	[12150, 342]
723	[1391, 391]	4052	[6394, 1961]	7381	[270, 9898]	10710	[12151, 12152]
724	[1392, 1393]	4053	[6395, 6396]	7382	[3275, 9899]	10711	[4116, 4937]
725	[1394, 1395]	4054	[2636, 6397]	7383	[9648, 8993]	10712	[5114, 12153]
726	[1396, 1049]	4055	[2489, 6398]	7384	[9900, 1091]	10713	[12154, 4471]
727	[1397, 1398]	4056	[6399, 6400]	7385	[9901, 81]	10714	[12155, 11826]
728	[1399, 1400]	4057	[6401, 5972]	7386	[8100, 8317]	10715	[12156, 3686]
729	[1401, 1402]	4058	[6402, 6403]	7387	[9902, 9648]	10716	[9178, 3911]
730	[1403, 1404]	4059	[6404, 6405]	7388	[3212, 9903]	10717	[12157, 3461]
731	[1405, 1406]	4060	[6406, 6407]	7389	[9904, 1340]	10718	[12158, 8869]
732	[1407, 1408]	4061	[6016, 2643]	7390	[3561, 1819]	10719	[8142, 8226]
733	[1409, 1410]	4062	[6408, 6409]	7391	[7835, 9905]	10720	[1130, 8133]
734	[1411, 1412]	4063	[6410, 6411]	7392	[9775, 1724]	10721	[12159, 8131]
735	[1413, 1414]	4064	[2310, 6412]	7393	[9906, 9044]	10722	[8318, 1520]
736	[1415, 1416]	4065	[6413, 6378]	7394	[9907, 9908]	10723	[12160, 9529]
737	[1417, 1418]	4066	[6414, 6415]	7395	[9909, 3902]	10724	[4254, 5055]
738	[1419, 1316]	4067	[6416, 6417]	7396	[3692, 9910]	10725	[4305, 8391]
739	[1420, 1421]	4068	[6418, 6419]	7397	[8154, 4425]	10726	[3708, 5099]
740	[1422, 1423]	4069	[6420, 5540]	7398	[5215, 8638]	10727	[12161, 8982]
741	[1424, 1425]	4070	[6421, 2093]	7399	[9911, 7722]	10728	[12162, 3631]
742	[1426, 1420]	4071	[6422, 6423]	7400	[8566, 9912]	10729	[9257, 4294]
743	[1427, 1428]	4072	[5863, 6424]	7401	[9913, 9914]	10730	[12163, 12164]
744	[1429, 1430]	4073	[5880, 6425]	7402	[9915, 9916]	10731	[12165, 8336]
745	[1431, 1432]	4074	[6426, 6427]	7403	[9112, 8766]	10732	[12166, 12167]
746	[1433, 1434]	4075	[2821, 6375]	7404	[9917, 4911]	10733	[1147, 11911]
747	[1435, 1436]	4076	[2145, 6428]	7405	[9918, 8782]	10734	[9903, 9643]
748	[1437, 1438]	4077	[935, 618]	7406	[1161, 4576]	10735	[12168, 4683]
749	[1439, 1440]	4078	[6429, 2458]	7407	[1165, 8944]	10736	[12004, 9337]
750	[1441, 1442]	4079	[5924, 6430]	7408	[9919, 9920]	10737	[8896, 12169]
751	[1443, 1066]	4080	[6077, 2096]	7409	[4226, 9921]	10738	[12170, 479]
752	[1444, 1445]	4081	[6431, 6432]	7410	[1605, 9049]	10739	[478, 4747]
753	[1446, 1447]	4082	[6433, 6434]	7411	[9006, 5309]	10740	[12171, 12172]
754	[1448, 1449]	4083	[6435, 6436]	7412	[9922, 3565]	10741	[12173, 3276]
755	[1450, 1451]	4084	[6437, 2660]	7413	[9923, 7969]	10742	[12174, 9868]
756	[1452, 1453]	4085	[6438, 569]	7414	[9615, 1439]	10743	[7734, 9137]
757	[1454, 1455]	4086	[6439, 6440]	7415	[9924, 1726]	10744	[1791, 8303]
758	[1456, 1457]	4087	[5635, 6441]	7416	[9925, 1010]	10745	[12175, 7770]
759	[1458, 1459]	4088	[2999, 6442]	7417	[9926, 3402]	10746	[12176, 12177]
760	[1460, 1461]	4089	[914, 5565]	7418	[9927, 3415]	10747	[9058, 11882]
761	[1462, 1463]	4090	[6443, 3014]	7419	[9928, 4474]	10748	[4461, 3513]
762	[1464, 1465]	4091	[5954, 581]	7420	[5069, 9929]	10749	[8964, 4923]
763	[1466, 1467]	4092	[6444, 6445]	7421	[9930, 8711]	10750	[9100, 3505]

764	[1468, 1469]	4093	[2462, 182]	7422	[9931, 9932]	10751	[12178, 3678]
765	[1470, 1471]	4094	[6302, 6446]	7423	[9933, 9934]	10752	[5307, 3220]
766	[1472, 1473]	4095	[6012, 6447]	7424	[7809, 9935]	10753	[12179, 5164]
767	[1474, 1238]	4096	[6448, 6449]	7425	[9936, 5054]	10754	[12180, 3278]
768	[1475, 1476]	4097	[709, 656]	7426	[9937, 4592]	10755	[12181, 10138]
769	[1477, 1478]	4098	[6450, 6451]	7427	[8351, 9938]	10756	[12182, 3268]
770	[1479, 1480]	4099	[6452, 5933]	7428	[9939, 3841]	10757	[12183, 8697]
771	[1481, 1482]	4100	[1926, 1889]	7429	[1189, 1108]	10758	[1820, 4180]
772	[1483, 1484]	4101	[6453, 6022]	7430	[9940, 8579]	10759	[1334, 4713]
773	[1485, 1486]	4102	[6454, 2702]	7431	[1642, 399]	10760	[12184, 4150]
774	[1487, 1488]	4103	[134, 2358]	7432	[9941, 4573]	10761	[4939, 4756]
775	[1489, 1490]	4104	[6455, 6456]	7433	[9942, 9162]	10762	[9459, 9494]
776	[1491, 1492]	4105	[6457, 6458]	7434	[9943, 9944]	10763	[12185, 9972]
777	[1493, 447]	4106	[6459, 2196]	7435	[4563, 28]	10764	[12186, 4444]
778	[1494, 1495]	4107	[6460, 6461]	7436	[9945, 1619]	10765	[12187, 4910]
779	[1496, 1497]	4108	[5941, 2865]	7437	[3526, 9502]	10766	[12188, 1650]
780	[1430, 1498]	4109	[6462, 766]	7438	[9946, 9665]	10767	[12189, 1126]
781	[1499, 1500]	4110	[2631, 6463]	7439	[9947, 4202]	10768	[12190, 12191]
782	[1501, 1502]	4111	[6464, 5330]	7440	[3984, 3498]	10769	[12192, 8417]
783	[1503, 1504]	4112	[6465, 2041]	7441	[9948, 9949]	10770	[7784, 12193]
784	[1505, 1506]	4113	[6466, 1968]	7442	[9950, 9951]	10771	[3936, 11699]
785	[1507, 1508]	4114	[6467, 5353]	7443	[9952, 262]	10772	[12194, 4886]
786	[1509, 1510]	4115	[6149, 6468]	7444	[9953, 4028]	10773	[9518, 12195]
787	[1504, 1511]	4116	[6469, 2378]	7445	[9954, 4772]	10774	[3558, 1733]
788	[1506, 1512]	4117	[2433, 6470]	7446	[8826, 9955]	10775	[12196, 12197]
789	[1513, 1514]	4118	[1993, 6471]	7447	[9956, 4530]	10776	[12198, 8035]
790	[1515, 994]	4119	[3114, 6472]	7448	[8527, 9957]	10777	[12199, 1026]
791	[1516, 1517]	4120	[6473, 3062]	7449	[9958, 3545]	10778	[12200, 1270]
792	[1518, 1519]	4121	[6474, 6475]	7450	[4751, 1591]	10779	[9323, 7730]
793	[1520, 1521]	4122	[6476, 6477]	7451	[482, 1757]	10780	[12201, 1411]
794	[1522, 1523]	4123	[6478, 2466]	7452	[1772, 5178]	10781	[12202, 9256]
795	[1524, 1525]	4124	[6479, 6160]	7453	[9959, 4996]	10782	[3645, 1431]
796	[1025, 1526]	4125	[6480, 3137]	7454	[4660, 9960]	10783	[12203, 9192]
797	[1527, 1528]	4126	[847, 6481]	7455	[9961, 269]	10784	[3902, 11816]
798	[1529, 1530]	4127	[6482, 6483]	7456	[9962, 9963]	10785	[12204, 11993]
799	[460, 1105]	4128	[6484, 5727]	7457	[9964, 996]	10786	[12205, 8328]
800	[1531, 1532]	4129	[6485, 1931]	7458	[9965, 9966]	10787	[12206, 8330]
801	[1533, 1534]	4130	[5549, 6486]	7459	[9169, 9967]	10788	[5250, 12207]
802	[1535, 491]	4131	[900, 6487]	7460	[9968, 9969]	10789	[12208, 1535]
803	[1536, 1537]	4132	[6488, 6489]	7461	[1476, 9970]	10790	[12209, 10084]
804	[1538, 428]	4133	[1922, 937]	7462	[9971, 1271]	10791	[5084, 12210]
805	[1539, 1540]	4134	[6490, 5352]	7463	[9972, 9908]	10792	[3721, 8111]
806	[1541, 1542]	4135	[6491, 6492]	7464	[3358, 4689]	10793	[12211, 12212]
807	[1543, 1544]	4136	[5724, 245]	7465	[9973, 9349]	10794	[3618, 8830]

808	[1545, 1546]	4137	[6493, 2855]	7466	[9974, 9975]	10795	[12213, 4211]
809	[1547, 1548]	4138	[6494, 2014]	7467	[9976, 9977]	10796	[12214, 12215]
810	[1549, 481]	4139	[6495, 2003]	7468	[9978, 3305]	10797	[974, 12216]
811	[1550, 1551]	4140	[6344, 6496]	7469	[8482, 4298]	10798	[12217, 9607]
812	[1552, 1553]	4141	[6497, 6498]	7470	[9979, 5001]	10799	[12218, 9126]
813	[1554, 1555]	4142	[6499, 6500]	7471	[9980, 4075]	10800	[88, 4663]
814	[1556, 1557]	4143	[6501, 6374]	7472	[9981, 5072]	10801	[12219, 12220]
815	[1558, 1559]	4144	[3022, 134]	7473	[9982, 1243]	10802	[12221, 1435]
816	[1560, 1561]	4145	[545, 6502]	7474	[9983, 9984]	10803	[7904, 9869]
817	[1562, 1563]	4146	[1855, 3177]	7475	[4507, 9985]	10804	[12222, 79]
818	[1564, 1565]	4147	[5394, 6503]	7476	[1367, 9986]	10805	[5232, 9618]
819	[1566, 1567]	4148	[6504, 6505]	7477	[1213, 9571]	10806	[12223, 11773]
820	[1568, 1255]	4149	[6506, 6507]	7478	[9987, 9988]	10807	[8440, 1120]
821	[1569, 361]	4150	[6508, 6067]	7479	[8188, 473]	10808	[9586, 4221]
822	[1570, 317]	4151	[2565, 2189]	7480	[9989, 3419]	10809	[12224, 5292]
823	[1571, 1572]	4152	[6509, 2747]	7481	[9990, 3693]	10810	[12225, 12226]
824	[1573, 1574]	4153	[1960, 206]	7482	[9991, 8567]	10811	[342, 11948]
825	[1575, 1576]	4154	[6510, 6511]	7483	[3346, 9992]	10812	[12227, 9160]
826	[1185, 1577]	4155	[5529, 5445]	7484	[9993, 9994]	10813	[1711, 12228]
827	[1578, 1579]	4156	[6512, 6513]	7485	[1526, 8533]	10814	[12229, 12230]
828	[1580, 1581]	4157	[6514, 2505]	7486	[9995, 9996]	10815	[5251, 1138]
829	[1582, 1583]	4158	[6515, 6516]	7487	[9997, 4208]	10816	[12231, 12232]
830	[1584, 1585]	4159	[6517, 6028]	7488	[9998, 5289]	10817	[10118, 1640]
831	[1586, 1587]	4160	[211, 59]	7489	[3717, 22]	10818	[8596, 9681]
832	[992, 1588]	4161	[6518, 2826]	7490	[9999, 1429]	10819	[12233, 12234]
833	[1589, 1590]	4162	[6519, 6520]	7491	[10000, 10001]	10820	[8698, 1331]
834	[1591, 1592]	4163	[2810, 6521]	7492	[10002, 4226]	10821	[12235, 12236]
835	[1593, 1594]	4164	[6522, 6523]	7493	[4583, 10003]	10822	[12237, 4058]
836	[1595, 1596]	4165	[42, 2410]	7494	[10004, 1212]	10823	[9898, 8897]
837	[1597, 1598]	4166	[5351, 6524]	7495	[10005, 8253]	10824	[12238, 3461]
838	[1599, 1600]	4167	[6525, 5342]	7496	[10006, 1117]	10825	[12239, 9562]
839	[1601, 1602]	4168	[6526, 6527]	7497	[10007, 23]	10826	[7962, 4296]
840	[1281, 1603]	4169	[2588, 5542]	7498	[10008, 343]	10827	[12240, 12241]
841	[1604, 1605]	4170	[6528, 5505]	7499	[9838, 10009]	10828	[12242, 4534]
842	[1606, 1607]	4171	[6216, 6529]	7500	[9413, 4133]	10829	[4667, 12243]
843	[1608, 1609]	4172	[167, 6530]	7501	[10010, 8406]	10830	[3995, 12244]
844	[1610, 1611]	4173	[3014, 6531]	7502	[10011, 7945]	10831	[12245, 3246]
845	[1612, 1613]	4174	[1949, 6532]	7503	[10012, 4296]	10832	[12246, 12247]
846	[1614, 1615]	4175	[5403, 6533]	7504	[8704, 8107]	10833	[12248, 4482]
847	[1616, 1617]	4176	[6534, 6535]	7505	[4080, 3374]	10834	[12249, 10143]
848	[1618, 1619]	4177	[5591, 6536]	7506	[10013, 10014]	10835	[3748, 7769]
849	[1620, 1621]	4178	[6537, 6538]	7507	[10015, 4809]	10836	[8621, 366]
850	[1622, 1623]	4179	[5496, 6539]	7508	[9986, 10016]	10837	[3753, 1731]
851	[1624, 125]	4180	[6540, 2027]	7509	[10017, 3587]	10838	[1013, 1670]

852	[1625, 1626]	4181	[6541, 2955]	7510	[4546, 5042]	10839	[10001, 8918]
853	[1627, 1628]	4182	[6503, 6542]	7511	[10018, 3891]	10840	[12250, 12251]
854	[1629, 1630]	4183	[6543, 857]	7512	[4149, 10019]	10841	[7882, 9262]
855	[1631, 1632]	4184	[629, 6544]	7513	[10020, 9191]	10842	[1219, 1114]
856	[1633, 1634]	4185	[6545, 6546]	7514	[10021, 8963]	10843	[12252, 486]
857	[1635, 327]	4186	[6547, 6548]	7515	[1511, 8397]	10844	[12253, 8479]
858	[1636, 1637]	4187	[6549, 1832]	7516	[8417, 3386]	10845	[12254, 4016]
859	[1638, 1012]	4188	[6550, 571]	7517	[10022, 9664]	10846	[12255, 3801]
860	[1639, 1640]	4189	[6336, 573]	7518	[9610, 8510]	10847	[12049, 7939]
861	[1641, 1642]	4190	[6551, 6552]	7519	[8809, 7818]	10848	[12256, 4786]
862	[1643, 1644]	4191	[6553, 6554]	7520	[10023, 10024]	10849	[12257, 9538]
863	[1645, 1646]	4192	[6555, 5629]	7521	[10025, 8348]	10850	[12258, 427]
864	[1647, 1648]	4193	[6556, 2775]	7522	[10026, 10027]	10851	[12072, 3437]
865	[1649, 1650]	4194	[816, 2402]	7523	[10028, 3685]	10852	[12259, 11793]
866	[1651, 1652]	4195	[5540, 6019]	7524	[319, 5092]	10853	[12260, 87]
867	[1653, 321]	4196	[6557, 6558]	7525	[10029, 8716]	10854	[12261, 12262]
868	[1654, 1655]	4197	[6301, 3064]	7526	[1126, 10030]	10855	[12263, 9430]
869	[1656, 1657]	4198	[1977, 5348]	7527	[10031, 10032]	10856	[3244, 5306]
870	[1658, 1659]	4199	[6559, 6560]	7528	[10033, 10034]	10857	[12264, 12265]
871	[1660, 1661]	4200	[6561, 5762]	7529	[9897, 10035]	10858	[12266, 5296]
872	[1662, 1663]	4201	[3095, 6562]	7530	[8557, 8245]	10859	[9969, 12267]
873	[1664, 1665]	4202	[2279, 5970]	7531	[4014, 3260]	10860	[12268, 1038]
874	[1319, 1666]	4203	[6563, 2703]	7532	[9850, 1437]	10861	[12269, 12061]
875	[1667, 1668]	4204	[6564, 6565]	7533	[10036, 4215]	10862	[4367, 316]
876	[1669, 1177]	4205	[6566, 6567]	7534	[10037, 10038]	10863	[5001, 1396]
877	[1670, 1671]	4206	[6568, 6292]	7535	[10039, 462]	10864	[12270, 7779]
878	[1672, 1673]	4207	[6569, 6570]	7536	[10040, 10041]	10865	[4444, 423]
879	[1674, 1675]	4208	[6571, 6572]	7537	[9646, 3733]	10866	[12271, 5031]
880	[1632, 1676]	4209	[5731, 6573]	7538	[10042, 10043]	10867	[12138, 9989]
881	[1677, 1678]	4210	[6574, 5820]	7539	[10044, 9560]	10868	[11690, 4207]
882	[1679, 1680]	4211	[5542, 2755]	7540	[10045, 8952]	10869	[3833, 9793]
883	[1681, 1682]	4212	[6575, 6124]	7541	[10046, 10047]	10870	[12272, 12273]
884	[1683, 1684]	4213	[6576, 3102]	7542	[10048, 1057]	10871	[8995, 8939]
885	[1685, 1686]	4214	[6577, 1864]	7543	[10049, 10050]	10872	[12274, 7729]
886	[1687, 1688]	4215	[6578, 3057]	7544	[10051, 3759]	10873	[12275, 11950]
887	[1689, 988]	4216	[2515, 6579]	7545	[10052, 4938]	10874	[12276, 4021]
888	[1690, 1691]	4217	[6580, 2889]	7546	[10053, 3896]	10875	[11764, 9440]
889	[1692, 1693]	4218	[5652, 6581]	7547	[10054, 8509]	10876	[12277, 3599]
890	[1694, 1695]	4219	[6582, 5408]	7548	[10055, 10056]	10877	[12278, 12279]
891	[1696, 1697]	4220	[5600, 6583]	7549	[10057, 10019]	10878	[12280, 3588]
892	[1698, 1159]	4221	[6584, 6585]	7550	[10058, 10059]	10879	[12281, 12282]
893	[1699, 992]	4222	[6586, 6587]	7551	[10060, 9519]	10880	[12283, 449]
894	[1700, 1701]	4223	[6588, 6589]	7552	[10061, 1254]	10881	[12284, 11704]
895	[1702, 1703]	4224	[6122, 6043]	7553	[10062, 10063]	10882	[12285, 4879]

896	[1704, 1705]	4225	[5419, 2856]	7554	[10064, 3795]	10883	[12286, 7866]
897	[1706, 1707]	4226	[1971, 3053]	7555	[10065, 9593]	10884	[12287, 12288]
898	[1708, 30]	4227	[6590, 6078]	7556	[3333, 8227]	10885	[413, 4688]
899	[1709, 1710]	4228	[6591, 6592]	7557	[10066, 1246]	10886	[12289, 8945]
900	[98, 1711]	4229	[6593, 6594]	7558	[10067, 464]	10887	[1286, 12290]
901	[1712, 1713]	4230	[2130, 6595]	7559	[10068, 9849]	10888	[12291, 8168]
902	[1714, 1715]	4231	[6596, 671]	7560	[1015, 5067]	10889	[9633, 12292]
903	[1716, 1717]	4232	[2154, 6597]	7561	[3961, 7775]	10890	[12293, 9554]
904	[1718, 1719]	4233	[6598, 2906]	7562	[358, 4249]	10891	[12294, 12295]
905	[1720, 1721]	4234	[6599, 6600]	7563	[1416, 10001]	10892	[12296, 11693]
906	[1722, 1723]	4235	[6601, 614]	7564	[9622, 4264]	10893	[12297, 3237]
907	[1724, 1725]	4236	[3150, 6602]	7565	[10069, 10070]	10894	[9042, 9239]
908	[1726, 1727]	4237	[6603, 6039]	7566	[9002, 10071]	10895	[12298, 12299]
909	[1728, 1729]	4238	[6604, 2502]	7567	[10072, 3942]	10896	[12300, 12301]
910	[1730, 1380]	4239	[3064, 6605]	7568	[5071, 4097]	10897	[1663, 465]
911	[1731, 1732]	4240	[6415, 6606]	7569	[76, 1789]	10898	[12302, 12005]
912	[1733, 1401]	4241	[5656, 6607]	7570	[10073, 3241]	10899	[12303, 11772]
913	[1734, 1735]	4242	[6608, 6609]	7571	[1332, 10074]	10900	[11776, 12304]
914	[1736, 1737]	4243	[5740, 6610]	7572	[10075, 9419]	10901	[12305, 8394]
915	[490, 1738]	4244	[5798, 5398]	7573	[10076, 5079]	10902	[12306, 12307]
916	[1739, 1740]	4245	[6611, 6612]	7574	[10077, 10078]	10903	[12308, 9873]
917	[1741, 1742]	4246	[6613, 2232]	7575	[10079, 4564]	10904	[12309, 12310]
918	[1743, 1744]	4247	[6614, 2828]	7576	[9584, 10080]	10905	[8005, 5299]
919	[1745, 1746]	4248	[6615, 6616]	7577	[10081, 8435]	10906	[12311, 10022]
920	[1747, 1748]	4249	[2833, 6617]	7578	[10082, 282]	10907	[4057, 7765]
921	[1749, 1750]	4250	[5567, 5806]	7579	[10083, 8803]	10908	[12312, 9771]
922	[1655, 1751]	4251	[6618, 6619]	7580	[10084, 3753]	10909	[12313, 1761]
923	[1752, 1753]	4252	[128, 6620]	7581	[10085, 484]	10910	[12314, 4241]
924	[1754, 1755]	4253	[6621, 3083]	7582	[10086, 10087]	10911	[310, 8448]
925	[1756, 1757]	4254	[6622, 1861]	7583	[10088, 8466]	10912	[12315, 269]
926	[1758, 1759]	4255	[2334, 2236]	7584	[9669, 8583]	10913	[4079, 12316]
927	[1760, 1761]	4256	[1978, 2049]	7585	[10089, 10090]	10914	[12317, 9324]
928	[1762, 1763]	4257	[6623, 624]	7586	[10091, 1102]	10915	[12318, 8031]
929	[462, 1764]	4258	[6113, 6624]	7587	[10092, 10093]	10916	[12319, 1553]
930	[1765, 1766]	4259	[3049, 2936]	7588	[10094, 9164]	10917	[12320, 7713]
931	[1767, 1768]	4260	[2408, 6625]	7589	[10095, 414]	10918	[11873, 11954]
932	[1769, 1770]	4261	[6626, 573]	7590	[10096, 1268]	10919	[12321, 9025]
933	[1771, 1772]	4262	[6627, 6628]	7591	[978, 8731]	10920	[4787, 4454]
934	[1773, 1774]	4263	[6629, 6630]	7592	[10097, 3799]	10921	[8060, 4342]
935	[1686, 369]	4264	[2962, 5726]	7593	[10098, 4400]	10922	[12244, 4440]
936	[1340, 1775]	4265	[6631, 6632]	7594	[9154, 1741]	10923	[11779, 10135]
937	[1776, 476]	4266	[6633, 2762]	7595	[9472, 1086]	10924	[12322, 12323]
938	[1777, 1778]	4267	[6634, 5392]	7596	[1369, 10099]	10925	[12324, 12325]
939	[1779, 1780]	4268	[6635, 2684]	7597	[5097, 1313]	10926	[12326, 8728]

940	[1781, 1782]	4269	[6636, 6637]	7598	[10100, 10101]	10927	[10034, 4735]
941	[1783, 1784]	4270	[6638, 6639]	7599	[10102, 3843]	10928	[8245, 9547]
942	[1785, 1703]	4271	[240, 2843]	7600	[10103, 10104]	10929	[12327, 7680]
943	[1786, 1787]	4272	[6640, 6641]	7601	[3255, 10105]	10930	[12328, 11785]
944	[1788, 1789]	4273	[6642, 6430]	7602	[10106, 260]	10931	[12329, 8123]
945	[1790, 1791]	4274	[6643, 6644]	7603	[10107, 3713]	10932	[12330, 8464]
946	[1792, 420]	4275	[6645, 5634]	7604	[4362, 90]	10933	[4881, 12331]
947	[1793, 1794]	4276	[6646, 6647]	7605	[10108, 5235]	10934	[12332, 1510]
948	[1245, 1795]	4277	[606, 911]	7606	[4263, 10102]	10935	[12333, 8315]
949	[1796, 1797]	4278	[6648, 5577]	7607	[10109, 1542]	10936	[12334, 4135]
950	[1798, 1442]	4279	[6649, 6650]	7608	[9727, 313]	10937	[5010, 7982]
951	[314, 1799]	4280	[6651, 6652]	7609	[4894, 10110]	10938	[12335, 12336]
952	[1800, 1434]	4281	[2449, 6653]	7610	[8535, 1208]	10939	[4633, 12337]
953	[1594, 1801]	4282	[6654, 595]	7611	[10111, 3591]	10940	[12338, 9561]
954	[1802, 1803]	4283	[791, 6470]	7612	[10112, 3705]	10941	[12339, 8989]
955	[1804, 1805]	4284	[6655, 3143]	7613	[10113, 10114]	10942	[8763, 9206]
956	[1806, 1807]	4285	[6656, 6332]	7614	[10115, 986]	10943	[1155, 4893]
957	[1808, 1809]	4286	[6657, 6333]	7615	[10116, 4785]	10944	[12340, 4035]
958	[1810, 1811]	4287	[2292, 3125]	7616	[9597, 1598]	10945	[4896, 5184]
959	[1812, 1813]	4288	[6658, 5997]	7617	[10117, 10118]	10946	[4231, 4635]
960	[1814, 1815]	4289	[2747, 6659]	7618	[10119, 5281]	10947	[10101, 3265]
961	[1816, 1817]	4290	[5525, 6660]	7619	[10120, 10121]	10948	[12341, 995]
962	[1818, 1692]	4291	[6661, 6662]	7620	[3620, 8065]	10949	[12342, 5248]
963	[1819, 1820]	4292	[2042, 6663]	7621	[10122, 3405]	10950	[9970, 3996]
964	[1821, 1596]	4293	[6664, 6665]	7622	[10123, 10124]	10951	[8407, 12343]
965	[1822, 1823]	4294	[6666, 142]	7623	[9147, 4077]	10952	[1576, 8577]
966	[1824, 1825]	4295	[6667, 6668]	7624	[10125, 1381]	10953	[5266, 12344]
967	[1826, 909]	4296	[6669, 2537]	7625	[10126, 9744]	10954	[10070, 9423]
968	[1827, 1828]	4297	[6670, 6671]	7626	[10127, 10128]	10955	[4208, 1072]
969	[1829, 242]	4298	[6672, 6673]	7627	[4732, 8044]	10956	[12345, 8283]
970	[1830, 1831]	4299	[6674, 6675]	7628	[8993, 8237]	10957	[12346, 11790]
971	[1832, 1833]	4300	[2927, 5476]	7629	[10129, 4193]	10958	[4174, 5172]
972	[1834, 1835]	4301	[6676, 6677]	7630	[1559, 1166]	10959	[12347, 12348]
973	[1836, 1837]	4302	[6678, 6679]	7631	[10078, 8084]	10960	[12349, 4401]
974	[1838, 1839]	4303	[6680, 896]	7632	[9960, 8885]	10961	[4727, 9786]
975	[1840, 1841]	4304	[2584, 5958]	7633	[10130, 9767]	10962	[1114, 9940]
976	[1842, 1843]	4305	[6681, 6682]	7634	[10131, 408]	10963	[1157, 9710]
977	[1844, 1845]	4306	[5434, 6683]	7635	[10132, 8855]	10964	[3798, 11817]
978	[1846, 1847]	4307	[2578, 2440]	7636	[10133, 7774]	10965	[8019, 8139]
979	[1848, 1849]	4308	[6196, 3114]	7637	[10134, 5083]	10966	[12350, 12351]
980	[1850, 1851]	4309	[6684, 5362]	7638	[10135, 8402]	10967	[12352, 4370]
981	[1852, 687]	4310	[6685, 6686]	7639	[10136, 10137]	10968	[12353, 12354]
982	[1853, 660]	4311	[6687, 6688]	7640	[4282, 10138]	10969	[12355, 7880]
983	[1854, 1855]	4312	[6689, 547]	7641	[4774, 329]	10970	[1039, 4754]

984	[1856, 1857]	4313	[6690, 2118]	7642	[10139, 5223]	10971	[12356, 1223]
985	[1858, 1859]	4314	[6691, 6692]	7643	[10140, 9689]	10972	[12357, 11891]
986	[1860, 1861]	4315	[6693, 6694]	7644	[10071, 10141]	10973	[12358, 12359]
987	[1862, 1863]	4316	[6695, 2242]	7645	[10142, 10143]	10974	[12360, 7944]
988	[1864, 1865]	4317	[6696, 6697]	7646	[4053, 10045]	10975	[8894, 7908]
989	[1866, 1867]	4318	[6698, 6699]	7647	[10144, 4651]	10976	[12361, 1592]
990	[1868, 1869]	4319	[6700, 6701]	7648	[10145, 10146]	10977	[1478, 9061]
991	[1870, 1871]	4320	[6702, 6703]	7649	[10147, 3834]	10978	[12362, 12363]
992	[1872, 1873]	4321	[6704, 6705]	7650	[10148, 3365]	10979	[12364, 4675]
993	[1874, 1875]	4322	[6038, 6256]	7651	[3490, 3367]	10980	[12365, 9995]
994	[52, 1876]	4323	[2775, 6706]	7652	[10149, 3451]	10981	[12366, 5018]
995	[1877, 1878]	4324	[6080, 6707]	7653	[8901, 8613]	10982	[3688, 1491]
996	[1879, 691]	4325	[2923, 6708]	7654	[9103, 3531]	10983	[4817, 10078]
997	[1880, 1881]	4326	[6709, 898]	7655	[4315, 10150]	10984	[12367, 12368]
998	[1882, 1883]	4327	[6333, 6710]	7656	[1463, 5247]	10985	[12369, 10128]
999	[733, 1884]	4328	[2267, 6607]	7657	[10151, 10024]	10986	[12370, 8764]
1000	[1885, 1886]	4329	[2776, 6711]	7658	[2333, 10152]	10987	[12267, 12371]
1001	[1887, 594]	4330	[6249, 1955]	7659	[6600, 6353]	10988	[12372, 9731]
1002	[1888, 1889]	4331	[6712, 6713]	7660	[7357, 10153]	10989	[12373, 12374]
1003	[1890, 1891]	4332	[6714, 5684]	7661	[7076, 1892]	10990	[12375, 12376]
1004	[1892, 1893]	4333	[6715, 2004]	7662	[10154, 10155]	10991	[12377, 4114]
1005	[1894, 1895]	4334	[6716, 6717]	7663	[6526, 7150]	10992	[12265, 9631]
1006	[1896, 1897]	4335	[6718, 2307]	7664	[10156, 10157]	10993	[12378, 12379]
1007	[1898, 1899]	4336	[6713, 2363]	7665	[10158, 10159]	10994	[9823, 10064]
1008	[224, 1900]	4337	[5536, 6719]	7666	[10160, 7446]	10995	[12380, 4891]
1009	[1901, 181]	4338	[6720, 6453]	7667	[10161, 6108]	10996	[12381, 12382]
1010	[1902, 1903]	4339	[5408, 5687]	7668	[10162, 10163]	10997	[12383, 8297]
1011	[1904, 1905]	4340	[5902, 6721]	7669	[3098, 2375]	10998	[12384, 12385]
1012	[1906, 131]	4341	[6033, 6722]	7670	[10164, 148]	10999	[8948, 8929]
1013	[1907, 1908]	4342	[6723, 1934]	7671	[10165, 10166]	11000	[411, 4918]
1014	[1909, 1910]	4343	[215, 6724]	7672	[5705, 5522]	11001	[12386, 4273]
1015	[1911, 1912]	4344	[6725, 2699]	7673	[10167, 591]	11002	[12387, 3872]
1016	[1913, 1914]	4345	[6726, 6727]	7674	[10168, 10169]	11003	[4677, 12388]
1017	[1915, 1916]	4346	[6170, 6728]	7675	[10170, 10171]	11004	[12389, 4210]
1018	[1917, 1918]	4347	[6729, 2119]	7676	[503, 5853]	11005	[12390, 3397]
1019	[1919, 1920]	4348	[6730, 6731]	7677	[10172, 513]	11006	[12391, 4924]
1020	[1921, 1922]	4349	[5740, 599]	7678	[10173, 2552]	11007	[12392, 291]
1021	[581, 1855]	4350	[2860, 6732]	7679	[10174, 3119]	11008	[12393, 3870]
1022	[1923, 1924]	4351	[6733, 6734]	7680	[5651, 5480]	11009	[12394, 4]
1023	[1925, 1926]	4352	[613, 826]	7681	[2547, 632]	11010	[4360, 4782]
1024	[1927, 1928]	4353	[6735, 5460]	7682	[7373, 10175]	11011	[12395, 7927]
1025	[1929, 1930]	4354	[5497, 5317]	7683	[2823, 5813]	11012	[9184, 12396]
1026	[1931, 1932]	4355	[6736, 5484]	7684	[10176, 7084]	11013	[12397, 12398]
1027	[1933, 1934]	4356	[2824, 5814]	7685	[10177, 10178]	11014	[12307, 12399]

1028	[1935, 1936]	4357	[6737, 6738]	7686	[10159, 6537]	11015	[4445, 4989]
1029	[1937, 1938]	4358	[6739, 3060]	7687	[10179, 7181]	11016	[5074, 1625]
1030	[1939, 1940]	4359	[6740, 648]	7688	[10180, 5773]	11017	[4823, 12400]
1031	[1941, 1942]	4360	[6741, 6742]	7689	[10181, 2383]	11018	[12401, 12402]
1032	[1943, 1862]	4361	[2303, 6743]	7690	[6736, 5640]	11019	[8721, 3799]
1033	[1944, 1945]	4362	[6744, 6745]	7691	[2964, 6660]	11020	[11965, 4044]
1034	[1946, 890]	4363	[6090, 2964]	7692	[6613, 7058]	11021	[12403, 9078]
1035	[1947, 1948]	4364	[6746, 2205]	7693	[6243, 10182]	11022	[12404, 4138]
1036	[1949, 1950]	4365	[6747, 6748]	7694	[6659, 2750]	11023	[8308, 4873]
1037	[1951, 1952]	4366	[5857, 2229]	7695	[5591, 6148]	11024	[12405, 1139]
1038	[1953, 1954]	4367	[3023, 6133]	7696	[10183, 10184]	11025	[12406, 12407]
1039	[1938, 1955]	4368	[6749, 6750]	7697	[5985, 6772]	11026	[12408, 4579]
1040	[1956, 1957]	4369	[6751, 5500]	7698	[10185, 10186]	11027	[9663, 12263]
1041	[1958, 1959]	4370	[6752, 133]	7699	[10187, 10188]	11028	[12409, 3444]
1042	[1960, 1961]	4371	[6753, 1932]	7700	[6919, 6919]	11029	[12410, 9647]
1043	[1962, 1963]	4372	[5592, 6754]	7701	[704, 10189]	11030	[12411, 12412]
1044	[1964, 1965]	4373	[6755, 2494]	7702	[5670, 6380]	11031	[11930, 1273]
1045	[1966, 1967]	4374	[2251, 6517]	7703	[10190, 7091]	11032	[402, 3402]
1046	[242, 1968]	4375	[6756, 2531]	7704	[5311, 7314]	11033	[12413, 4180]
1047	[1969, 1970]	4376	[6757, 6758]	7705	[2399, 833]	11034	[9345, 11737]
1048	[1971, 1972]	4377	[5488, 6759]	7706	[7159, 1870]	11035	[12414, 12415]
1049	[1973, 1974]	4378	[6760, 1991]	7707	[885, 934]	11036	[12416, 8235]
1050	[1975, 1976]	4379	[6761, 221]	7708	[10191, 10192]	11037	[12417, 4106]
1051	[1977, 1978]	4380	[6762, 6763]	7709	[7653, 10193]	11038	[3986, 12418]
1052	[1979, 584]	4381	[6123, 6368]	7710	[10194, 1842]	11039	[12419, 4134]
1053	[1980, 1981]	4382	[6764, 2302]	7711	[10195, 10196]	11040	[8680, 7797]
1054	[1982, 1983]	4383	[6427, 5534]	7712	[2534, 2737]	11041	[12420, 1204]
1055	[1984, 1985]	4384	[6765, 6766]	7713	[5887, 2814]	11042	[12421, 1441]
1056	[1986, 1987]	4385	[6767, 642]	7714	[7086, 2991]	11043	[12422, 3646]
1057	[1988, 1989]	4386	[6768, 6769]	7715	[6663, 563]	11044	[12423, 12424]
1058	[1990, 1991]	4387	[6770, 6652]	7716	[10197, 10198]	11045	[12425, 4829]
1059	[1992, 1993]	4388	[6771, 568]	7717	[10199, 6280]	11046	[12426, 494]
1060	[1994, 1995]	4389	[880, 6772]	7718	[10200, 10201]	11047	[12427, 5112]
1061	[1996, 1997]	4390	[6126, 6773]	7719	[5663, 7252]	11048	[12428, 4244]
1062	[1998, 1999]	4391	[5922, 6774]	7720	[7175, 10202]	11049	[12429, 3212]
1063	[2000, 2001]	4392	[6775, 6776]	7721	[10203, 6313]	11050	[12430, 3361]
1064	[2002, 2003]	4393	[6777, 6778]	7722	[10204, 5710]	11051	[12431, 8330]
1065	[2004, 2005]	4394	[6779, 5330]	7723	[1929, 2463]	11052	[3982, 12432]
1066	[2006, 2007]	4395	[6780, 6781]	7724	[10205, 2465]	11053	[9552, 5050]
1067	[2008, 2009]	4396	[776, 6782]	7725	[5354, 5449]	11054	[12433, 12434]
1068	[2010, 2011]	4397	[6286, 5600]	7726	[6725, 604]	11055	[12435, 5027]
1069	[2012, 2013]	4398	[6783, 5572]	7727	[594, 10206]	11056	[12436, 4455]
1070	[2014, 2015]	4399	[6784, 6305]	7728	[10207, 6363]	11057	[12437, 4797]
1071	[2016, 2017]	4400	[6038, 5843]	7729	[6275, 6847]	11058	[12438, 5107]

1072	[2018, 40]	4401	[724, 6151]	7730	[10208, 6532]	11059	[12439, 4017]
1073	[1998, 558]	4402	[1944, 6785]	7731	[10209, 6098]	11060	[12440, 4555]
1074	[939, 179]	4403	[5593, 2435]	7732	[5477, 10210]	11061	[9331, 12441]
1075	[2019, 2020]	4404	[920, 2851]	7733	[5731, 10211]	11062	[12442, 3886]
1076	[842, 2021]	4405	[6786, 6787]	7734	[10212, 10213]	11063	[12443, 465]
1077	[2022, 2023]	4406	[6788, 6789]	7735	[243, 10214]	11064	[12444, 8511]
1078	[2024, 2025]	4407	[6790, 6791]	7736	[10215, 10215]	11065	[5226, 1765]
1079	[2026, 2027]	4408	[6792, 6793]	7737	[10216, 5511]	11066	[12445, 11763]
1080	[2028, 2029]	4409	[6794, 2838]	7738	[2370, 10217]	11067	[8448, 4566]
1081	[2030, 2031]	4410	[6795, 6796]	7739	[5685, 7079]	11068	[12446, 3926]
1082	[2032, 2033]	4411	[6797, 2241]	7740	[6472, 2081]	11069	[12447, 4496]
1083	[2034, 2035]	4412	[6798, 6799]	7741	[10218, 2864]	11070	[10027, 12448]
1084	[2036, 2037]	4413	[6800, 6344]	7742	[10219, 10220]	11071	[8774, 4238]
1085	[2038, 2039]	4414	[6801, 2575]	7743	[6686, 3073]	11072	[12449, 8867]
1086	[2040, 530]	4415	[6802, 6529]	7744	[10221, 5610]	11073	[12450, 9462]
1087	[2041, 2042]	4416	[6803, 5358]	7745	[10222, 6189]	11074	[12451, 4596]
1088	[2043, 2044]	4417	[5532, 6563]	7746	[10223, 10224]	11075	[1290, 3287]
1089	[2045, 2046]	4418	[6804, 6240]	7747	[10225, 2122]	11076	[9988, 12252]
1090	[2047, 2048]	4419	[6805, 901]	7748	[763, 10226]	11077	[9617, 9434]
1091	[2049, 2050]	4420	[6806, 6807]	7749	[6582, 1880]	11078	[12452, 1651]
1092	[2051, 2052]	4421	[5977, 3091]	7750	[10227, 6459]	11079	[12453, 1404]
1093	[2053, 2054]	4422	[932, 6751]	7751	[10228, 10229]	11080	[8336, 12454]
1094	[2055, 553]	4423	[3185, 185]	7752	[2775, 10230]	11081	[4663, 8492]
1095	[2056, 2057]	4424	[208, 6808]	7753	[7116, 7200]	11082	[12455, 12456]
1096	[2058, 2059]	4425	[6809, 6810]	7754	[5857, 239]	11083	[12457, 3223]
1097	[2060, 2061]	4426	[6811, 2468]	7755	[10231, 5789]	11084	[1265, 12250]
1098	[2062, 2063]	4427	[6812, 6813]	7756	[10232, 7283]	11085	[12458, 1377]
1099	[2064, 2065]	4428	[6814, 5851]	7757	[10233, 7103]	11086	[12459, 3861]
1100	[2066, 2067]	4429	[6815, 5781]	7758	[7060, 10234]	11087	[7684, 12095]
1101	[960, 2068]	4430	[6816, 2864]	7759	[10235, 3098]	11088	[5121, 294]
1102	[2069, 2070]	4431	[2169, 6122]	7760	[706, 10236]	11089	[12460, 5081]
1103	[2071, 2072]	4432	[6817, 6818]	7761	[10237, 7131]	11090	[8854, 8332]
1104	[2073, 2074]	4433	[2574, 614]	7762	[7146, 3122]	11091	[1682, 12461]
1105	[891, 2075]	4434	[6819, 6820]	7763	[6114, 714]	11092	[12462, 9637]
1106	[2076, 2077]	4435	[6821, 5793]	7764	[10238, 10239]	11093	[1063, 3574]
1107	[2078, 513]	4436	[6822, 2753]	7765	[6400, 5467]	11094	[12463, 304]
1108	[2079, 2080]	4437	[6823, 162]	7766	[6253, 10240]	11095	[12464, 12465]
1109	[2081, 2082]	4438	[6824, 6825]	7767	[10241, 7520]	11096	[12466, 9172]
1110	[2083, 2084]	4439	[6826, 874]	7768	[10242, 2512]	11097	[9817, 9395]
1111	[2085, 2086]	4440	[6827, 861]	7769	[10243, 2893]	11098	[12467, 3581]
1112	[2087, 2088]	4441	[6828, 2270]	7770	[5859, 7054]	11099	[12468, 8933]
1113	[2089, 2090]	4442	[6829, 6830]	7771	[10244, 2473]	11100	[12469, 8222]
1114	[2091, 2092]	4443	[6831, 6759]	7772	[2988, 10245]	11101	[12112, 979]
1115	[2093, 2094]	4444	[5638, 6625]	7773	[10246, 10247]	11102	[8667, 11793]

1116	[2095, 2096]	4445	[5640, 847]	7774	[3061, 5889]	11103	[4590, 9025]
1117	[2075, 2097]	4446	[6832, 6833]	7775	[10248, 5576]	11104	[1447, 4356]
1118	[2098, 2099]	4447	[6834, 6835]	7776	[2365, 7157]	11105	[9975, 12470]
1119	[2100, 1911]	4448	[6836, 6473]	7777	[10249, 7310]	11106	[8385, 3273]
1120	[2101, 2102]	4449	[2582, 1879]	7778	[145, 10250]	11107	[12471, 9741]
1121	[2103, 2104]	4450	[6837, 6838]	7779	[5334, 6869]	11108	[3907, 4656]
1122	[726, 2105]	4451	[6839, 3144]	7780	[6567, 2984]	11109	[3672, 3965]
1123	[2106, 2107]	4452	[6840, 6471]	7781	[5978, 525]	11110	[9109, 4123]
1124	[2108, 2109]	4453	[6841, 2888]	7782	[10251, 2627]	11111	[1315, 8268]
1125	[2110, 2111]	4454	[6842, 6843]	7783	[10252, 2832]	11112	[8616, 116]
1126	[2112, 2113]	4455	[5708, 813]	7784	[5851, 5322]	11113	[8212, 3625]
1127	[2114, 2115]	4456	[6844, 6845]	7785	[6685, 3072]	11114	[12472, 1617]
1128	[2116, 942]	4457	[6846, 6847]	7786	[10253, 10254]	11115	[12473, 4565]
1129	[2117, 2118]	4458	[6848, 1985]	7787	[6302, 6605]	11116	[12474, 3409]
1130	[2119, 2120]	4459	[6849, 6850]	7788	[808, 10255]	11117	[12475, 7874]
1131	[2121, 2122]	4460	[5458, 5730]	7789	[10256, 2216]	11118	[12476, 12477]
1132	[2123, 2124]	4461	[6851, 5732]	7790	[816, 2048]	11119	[3269, 12368]
1133	[2125, 2126]	4462	[6852, 5729]	7791	[7045, 10257]	11120	[12478, 9428]
1134	[2127, 2128]	4463	[6853, 6854]	7792	[10258, 10259]	11121	[12479, 8100]
1135	[2129, 2108]	4464	[6855, 518]	7793	[2255, 2852]	11122	[12480, 9024]
1136	[2130, 2131]	4465	[2011, 3058]	7794	[231, 6909]	11123	[12481, 9950]
1137	[2132, 2133]	4466	[607, 912]	7795	[6845, 770]	11124	[9343, 9751]
1138	[2134, 2135]	4467	[6856, 2597]	7796	[10260, 5729]	11125	[12482, 3319]
1139	[2103, 2136]	4468	[6857, 2587]	7797	[10261, 7509]	11126	[12483, 1758]
1140	[2137, 2138]	4469	[5706, 6858]	7798	[6943, 10178]	11127	[12484, 3423]
1141	[2139, 816]	4470	[1832, 2279]	7799	[3135, 5878]	11128	[12485, 7995]
1142	[2140, 2141]	4471	[5450, 5386]	7800	[10262, 10263]	11129	[4313, 12486]
1143	[2142, 643]	4472	[851, 61]	7801	[5468, 7222]	11130	[12487, 3357]
1144	[2143, 2144]	4473	[6859, 6860]	7802	[6159, 2042]	11131	[12488, 11983]
1145	[2140, 2145]	4474	[6861, 3013]	7803	[10264, 5404]	11132	[12489, 80]
1146	[2146, 2147]	4475	[6862, 2103]	7804	[2602, 10265]	11133	[8276, 4107]
1147	[2148, 2149]	4476	[6863, 6864]	7805	[7165, 10266]	11134	[12490, 1297]
1148	[2150, 2151]	4477	[6865, 6866]	7806	[10267, 10268]	11135	[408, 11848]
1149	[2152, 2153]	4478	[6867, 6868]	7807	[2678, 1917]	11136	[12491, 11894]
1150	[2154, 2155]	4479	[748, 6869]	7808	[3101, 2664]	11137	[12492, 12493]
1151	[2156, 1885]	4480	[6870, 1971]	7809	[10269, 688]	11138	[12494, 12495]
1152	[2157, 2158]	4481	[7, 6603]	7810	[5916, 2471]	11139	[5255, 8281]
1153	[2159, 545]	4482	[6871, 6872]	7811	[761, 10270]	11140	[12496, 11699]
1154	[2160, 176]	4483	[6873, 6874]	7812	[1878, 926]	11141	[8492, 12497]
1155	[2007, 2161]	4484	[6875, 2061]	7813	[10271, 6999]	11142	[12498, 1680]
1156	[2162, 2163]	4485	[6876, 5329]	7814	[5352, 10272]	11143	[9644, 8335]
1157	[2164, 2165]	4486	[6877, 6878]	7815	[10273, 10274]	11144	[12499, 458]
1158	[2166, 2167]	4487	[2011, 6879]	7816	[10275, 10276]	11145	[12500, 10142]
1159	[2168, 622]	4488	[6880, 6881]	7817	[10277, 10278]	11146	[12096, 7809]

1160	[2169, 2170]	4489	[6882, 2817]	7818	[10279, 6365]	11147	[12501, 448]
1161	[2171, 2172]	4490	[2207, 6883]	7819	[10280, 10281]	11148	[12502, 407]
1162	[2173, 2174]	4491	[6884, 2056]	7820	[6984, 2788]	11149	[12503, 8576]
1163	[245, 2175]	4492	[6885, 6886]	7821	[10282, 10283]	11150	[12504, 8206]
1164	[2176, 2177]	4493	[6887, 6763]	7822	[10284, 10285]	11151	[8082, 12071]
1165	[2178, 809]	4494	[6888, 6889]	7823	[5535, 955]	11152	[12505, 3955]
1166	[2179, 2180]	4495	[6890, 6891]	7824	[6042, 10286]	11153	[12506, 1723]
1167	[2181, 1981]	4496	[2659, 6892]	7825	[499, 2273]	11154	[12507, 257]
1168	[2182, 2183]	4497	[6893, 6894]	7826	[10287, 10288]	11155	[12508, 9386]
1169	[2184, 2185]	4498	[6895, 6896]	7827	[10289, 10290]	11156	[12509, 12510]
1170	[2186, 2187]	4499	[6897, 2367]	7828	[5997, 10291]	11157	[3977, 9885]
1171	[2188, 2189]	4500	[6898, 6899]	7829	[10292, 5852]	11158	[10093, 11689]
1172	[2190, 929]	4501	[6060, 6036]	7830	[7321, 10293]	11159	[12511, 8296]
1173	[2191, 2192]	4502	[700, 5832]	7831	[6041, 2477]	11160	[8321, 12155]
1174	[2193, 2194]	4503	[6898, 2015]	7832	[10294, 2071]	11161	[12512, 8322]
1175	[2195, 2196]	4504	[5321, 6900]	7833	[10295, 814]	11162	[12513, 3736]
1176	[2197, 2198]	4505	[6901, 6488]	7834	[10296, 531]	11163	[12514, 12515]
1177	[2199, 1988]	4506	[3172, 6902]	7835	[5828, 2734]	11164	[4780, 993]
1178	[207, 2200]	4507	[6376, 5343]	7836	[7252, 733]	11165	[12516, 4654]
1179	[2201, 2202]	4508	[6903, 6904]	7837	[10297, 10298]	11166	[11827, 12517]
1180	[2203, 2204]	4509	[6905, 5623]	7838	[2423, 3179]	11167	[12518, 1353]
1181	[746, 2205]	4510	[6906, 6907]	7839	[10299, 7213]	11168	[10035, 1697]
1182	[2206, 2207]	4511	[5788, 6908]	7840	[2535, 2738]	11169	[12519, 9683]
1183	[2208, 2209]	4512	[2131, 6826]	7841	[5972, 5589]	11170	[12520, 3542]
1184	[2210, 2211]	4513	[6909, 6910]	7842	[10300, 10225]	11171	[8127, 9466]
1185	[2212, 2213]	4514	[955, 6719]	7843	[10301, 7571]	11172	[1069, 4578]
1186	[2214, 2215]	4515	[6911, 879]	7844	[6870, 3052]	11173	[1187, 1691]
1187	[2216, 2217]	4516	[2907, 6912]	7845	[781, 10158]	11174	[3228, 11696]
1188	[2218, 2079]	4517	[6467, 6913]	7846	[10302, 10303]	11175	[12241, 1365]
1189	[2219, 2220]	4518	[6914, 6915]	7847	[10304, 6539]	11176	[12521, 9768]
1190	[2221, 173]	4519	[6699, 2829]	7848	[7452, 7635]	11177	[12522, 8205]
1191	[2222, 146]	4520	[6916, 6917]	7849	[10305, 936]	11178	[12523, 480]
1192	[2223, 2224]	4521	[6918, 6919]	7850	[33, 2446]	11179	[12524, 12422]
1193	[2225, 2226]	4522	[756, 6920]	7851	[6125, 545]	11180	[12525, 12526]
1194	[2227, 2228]	4523	[2652, 6679]	7852	[32, 10306]	11181	[12527, 9190]
1195	[2229, 240]	4524	[6921, 6922]	7853	[10307, 2837]	11182	[12528, 1315]
1196	[2230, 2231]	4525	[6923, 6924]	7854	[5792, 10308]	11183	[12529, 12293]
1197	[62, 1892]	4526	[6925, 6924]	7855	[10309, 6778]	11184	[12530, 1554]
1198	[2232, 2233]	4527	[6926, 6927]	7856	[6110, 6601]	11185	[9267, 10056]
1199	[2234, 2235]	4528	[6928, 5511]	7857	[10310, 7492]	11186	[12531, 9240]
1200	[2236, 2237]	4529	[6924, 6929]	7858	[6567, 2152]	11187	[12532, 12533]
1201	[2238, 2239]	4530	[756, 6922]	7859	[10311, 10312]	11188	[3866, 1525]
1202	[2240, 232]	4531	[6930, 6931]	7860	[6246, 10313]	11189	[12534, 3952]
1203	[2241, 2242]	4532	[6932, 6925]	7861	[7369, 10314]	11190	[12535, 12536]

1204	[2243, 39]	4533	[6933, 6925]	7862	[6399, 5466]	11191	[12537, 7752]
1205	[2244, 2245]	4534	[6265, 6934]	7863	[2671, 3035]	11192	[12538, 8879]
1206	[2246, 2247]	4535	[6935, 6093]	7864	[10315, 10316]	11193	[9106, 1373]
1207	[2248, 861]	4536	[6936, 5751]	7865	[5580, 5763]	11194	[12539, 4659]
1208	[2249, 2250]	4537	[2462, 1958]	7866	[6408, 10317]	11195	[1723, 7774]
1209	[2251, 2252]	4538	[868, 6175]	7867	[7216, 7444]	11196	[3312, 12540]
1210	[2253, 2254]	4539	[1930, 6937]	7868	[7598, 6677]	11197	[12541, 1677]
1211	[1870, 2255]	4540	[6808, 2542]	7869	[10318, 10319]	11198	[11921, 11833]
1212	[2256, 2257]	4541	[6938, 6939]	7870	[6402, 10320]	11199	[12288, 1262]
1213	[2258, 2259]	4542	[6940, 2847]	7871	[10321, 704]	11200	[12542, 8140]
1214	[2260, 2261]	4543	[6941, 6940]	7872	[10322, 2722]	11201	[354, 12543]
1215	[2262, 2263]	4544	[6942, 2879]	7873	[5760, 5375]	11202	[10150, 5204]
1216	[2264, 2265]	4545	[6943, 6944]	7874	[10323, 5403]	11203	[12434, 8320]
1217	[2266, 2267]	4546	[5717, 6642]	7875	[10324, 10325]	11204	[12544, 9246]
1218	[2268, 2269]	4547	[6945, 2813]	7876	[10326, 677]	11205	[1671, 12338]
1219	[2270, 2271]	4548	[2843, 2501]	7877	[7342, 5874]	11206	[12545, 3515]
1220	[2272, 2273]	4549	[6946, 6359]	7878	[817, 2901]	11207	[12546, 5159]
1221	[2274, 2275]	4550	[6947, 6948]	7879	[2306, 10327]	11208	[12547, 7685]
1222	[2276, 2277]	4551	[6949, 6950]	7880	[814, 6333]	11209	[9516, 9023]
1223	[2278, 2279]	4552	[6082, 6951]	7881	[10328, 10329]	11210	[12548, 11823]
1224	[2280, 1919]	4553	[6124, 6369]	7882	[7069, 10314]	11211	[8737, 3856]
1225	[2281, 2282]	4554	[3102, 2665]	7883	[2330, 10330]	11212	[12549, 9929]
1226	[2283, 43]	4555	[6952, 6953]	7884	[2227, 6604]	11213	[4407, 12550]
1227	[215, 217]	4556	[6954, 6555]	7885	[893, 10331]	11214	[12551, 12552]
1228	[2284, 2285]	4557	[5553, 2161]	7886	[2952, 2875]	11215	[7915, 4982]
1229	[2286, 2287]	4558	[6955, 6956]	7887	[699, 5831]	11216	[12553, 12554]
1230	[2288, 2289]	4559	[6957, 6091]	7888	[10332, 10333]	11217	[12555, 9067]
1231	[2290, 2291]	4560	[6958, 2450]	7889	[2789, 10334]	11218	[12556, 12557]
1232	[2292, 2293]	4561	[6959, 6960]	7890	[7622, 6047]	11219	[12558, 261]
1233	[2294, 2295]	4562	[6961, 6962]	7891	[10335, 5854]	11220	[9084, 12559]
1234	[2296, 2297]	4563	[2760, 6073]	7892	[5454, 919]	11221	[12560, 7951]
1235	[2298, 2299]	4564	[6963, 6964]	7893	[5991, 5731]	11222	[12561, 9223]
1236	[960, 2146]	4565	[2895, 3045]	7894	[5539, 7297]	11223	[1406, 12562]
1237	[2300, 2231]	4566	[6965, 6666]	7895	[10336, 2016]	11224	[12563, 4024]
1238	[2301, 2302]	4567	[6966, 2741]	7896	[5634, 2424]	11225	[7820, 12564]
1239	[2303, 2304]	4568	[6105, 2300]	7897	[2395, 5943]	11226	[12565, 9610]
1240	[2305, 2306]	4569	[6967, 2107]	7898	[10337, 5816]	11227	[12566, 9087]
1241	[2307, 2308]	4570	[6968, 804]	7899	[10207, 6862]	11228	[3843, 4200]
1242	[2309, 2310]	4571	[2867, 6969]	7900	[10338, 2593]	11229	[12567, 4658]
1243	[2311, 2312]	4572	[6970, 6396]	7901	[6162, 10339]	11230	[12568, 4512]
1244	[2313, 2314]	4573	[2902, 6340]	7902	[10340, 50]	11231	[12569, 4526]
1245	[206, 2315]	4574	[2273, 5340]	7903	[959, 10341]	11232	[12570, 7916]
1246	[1985, 2316]	4575	[6129, 6971]	7904	[7372, 10342]	11233	[12571, 7747]
1247	[2317, 2243]	4576	[2170, 6043]	7905	[10343, 10344]	11234	[3699, 9605]

1248	[2318, 2319]	4577	[2172, 6972]	7906	[10345, 5582]	11235	[12572, 9094]
1249	[2320, 2321]	4578	[6973, 6974]	7907	[2712, 10346]	11236	[12573, 8648]
1250	[2322, 2323]	4579	[6975, 764]	7908	[10347, 2634]	11237	[11819, 8355]
1251	[2324, 2325]	4580	[6976, 6977]	7909	[10348, 1870]	11238	[12574, 9700]
1252	[2326, 2327]	4581	[5877, 3136]	7910	[35, 2482]	11239	[12575, 12097]
1253	[2328, 2329]	4582	[2247, 6978]	7911	[10349, 6907]	11240	[10099, 5150]
1254	[2330, 2331]	4583	[6979, 6980]	7912	[10350, 774]	11241	[12576, 12577]
1255	[237, 2316]	4584	[6981, 6982]	7913	[5834, 10351]	11242	[12578, 1290]
1256	[2332, 2333]	4585	[6983, 6580]	7914	[10352, 6573]	11243	[12579, 8013]
1257	[2334, 719]	4586	[6984, 5690]	7915	[7088, 6258]	11244	[7838, 4137]
1258	[2335, 2336]	4587	[6985, 2425]	7916	[10353, 6932]	11245	[9362, 451]
1259	[165, 2337]	4588	[5433, 6986]	7917	[10354, 2654]	11246	[12580, 4563]
1260	[2338, 2339]	4589	[6124, 6987]	7918	[6927, 6930]	11247	[12581, 3492]
1261	[2340, 2341]	4590	[6988, 6989]	7919	[10355, 10356]	11248	[12236, 12582]
1262	[2342, 1857]	4591	[5605, 196]	7920	[6814, 735]	11249	[9938, 3615]
1263	[2343, 2344]	4592	[5607, 807]	7921	[2105, 6727]	11250	[9690, 12583]
1264	[2345, 2346]	4593	[198, 2135]	7922	[5316, 10357]	11251	[12584, 12371]
1265	[2347, 2348]	4594	[6546, 6170]	7923	[10358, 7577]	11252	[12585, 8393]
1266	[2349, 2350]	4595	[2133, 5586]	7924	[10359, 5930]	11253	[12586, 12587]
1267	[2351, 619]	4596	[6990, 6991]	7925	[7528, 2940]	11254	[12588, 3840]
1268	[2352, 2353]	4597	[6992, 6993]	7926	[10360, 10361]	11255	[12589, 7859]
1269	[2354, 2355]	4598	[5920, 2858]	7927	[10362, 6864]	11256	[8782, 3568]
1270	[2356, 2357]	4599	[6994, 2567]	7928	[2874, 6622]	11257	[12590, 12591]
1271	[2358, 2359]	4600	[2061, 31]	7929	[5342, 6048]	11258	[12592, 9008]
1272	[2360, 2361]	4601	[6995, 6102]	7930	[10363, 6050]	11259	[3348, 4375]
1273	[2362, 2363]	4602	[6996, 898]	7931	[2488, 2492]	11260	[3599, 8667]
1274	[2364, 2365]	4603	[6997, 6998]	7932	[10364, 10365]	11261	[12593, 11936]
1275	[2366, 2367]	4604	[6999, 5934]	7933	[740, 6524]	11262	[7686, 1665]
1276	[2368, 2369]	4605	[7000, 7001]	7934	[10366, 10367]	11263	[8920, 374]
1277	[2370, 2371]	4606	[7002, 7003]	7935	[2625, 2455]	11264	[12594, 12595]
1278	[2372, 2373]	4607	[7004, 726]	7936	[10368, 10369]	11265	[12596, 12597]
1279	[2374, 2375]	4608	[7005, 703]	7937	[10370, 10371]	11266	[12598, 12599]
1280	[2376, 2377]	4609	[7006, 7007]	7938	[10340, 6443]	11267	[12600, 4085]
1281	[2378, 1915]	4610	[7008, 7009]	7939	[5751, 507]	11268	[12601, 3658]
1282	[2004, 2379]	4611	[7010, 6437]	7940	[751, 10372]	11269	[1091, 12203]
1283	[2380, 2381]	4612	[2141, 7011]	7941	[6452, 6999]	11270	[12602, 9226]
1284	[2382, 952]	4613	[7012, 5973]	7942	[10373, 6612]	11271	[9910, 3544]
1285	[2383, 2384]	4614	[7013, 2306]	7943	[10374, 7489]	11272	[9886, 3304]
1286	[2385, 2386]	4615	[2600, 7014]	7944	[2031, 2198]	11273	[12603, 3584]
1287	[2387, 2388]	4616	[1823, 5721]	7945	[10375, 10376]	11274	[3540, 4693]
1288	[2389, 2390]	4617	[7015, 236]	7946	[1844, 2430]	11275	[10090, 8088]
1289	[2391, 2392]	4618	[6687, 2961]	7947	[6456, 3186]	11276	[3900, 3266]
1290	[2393, 2394]	4619	[7016, 7017]	7948	[205, 6810]	11277	[12604, 4830]
1291	[2312, 2395]	4620	[7018, 7019]	7949	[7111, 10377]	11278	[12605, 7750]

1292	[2396, 2397]	4621	[2449, 7020]	7950	[2627, 10217]	11279	[4179, 4217]
1293	[2398, 2399]	4622	[2702, 7021]	7951	[10378, 6248]	11280	[12606, 12607]
1294	[2400, 2401]	4623	[3132, 2012]	7952	[10379, 902]	11281	[12608, 9026]
1295	[2047, 2402]	4624	[2882, 6023]	7953	[5755, 6419]	11282	[8983, 9089]
1296	[2403, 2404]	4625	[7022, 6728]	7954	[7471, 10380]	11283	[1453, 9260]
1297	[2405, 2406]	4626	[5892, 7023]	7955	[6335, 6626]	11284	[1197, 1003]
1298	[2407, 2408]	4627	[7024, 5707]	7956	[10347, 10381]	11285	[12609, 11841]
1299	[2409, 2410]	4628	[7025, 6371]	7957	[10382, 5359]	11286	[8332, 12610]
1300	[2411, 2412]	4629	[7026, 5745]	7958	[560, 10383]	11287	[376, 4022]
1301	[2413, 2414]	4630	[6235, 6737]	7959	[10384, 5559]	11288	[12611, 3935]
1302	[2415, 2416]	4631	[7027, 1908]	7960	[6727, 6592]	11289	[3896, 3232]
1303	[2417, 2418]	4632	[7028, 7029]	7961	[10385, 6425]	11290	[11960, 12612]
1304	[2419, 2420]	4633	[7030, 7031]	7962	[7406, 2683]	11291	[11796, 4532]
1305	[2421, 2422]	4634	[7032, 7033]	7963	[10386, 10387]	11292	[12613, 9561]
1306	[2423, 2424]	4635	[6595, 6826]	7964	[10388, 10389]	11293	[9619, 12614]
1307	[2425, 2426]	4636	[7034, 7035]	7965	[691, 6900]	11294	[12615, 8496]
1308	[2427, 198]	4637	[7036, 7037]	7966	[10390, 6648]	11295	[12616, 1725]
1309	[2428, 2429]	4638	[2804, 963]	7967	[10391, 7319]	11296	[12617, 8472]
1310	[2430, 2431]	4639	[2702, 7038]	7968	[10392, 2149]	11297	[260, 12618]
1311	[2432, 2433]	4640	[929, 6174]	7969	[7099, 6062]	11298	[12619, 9079]
1312	[2434, 1935]	4641	[7039, 5706]	7970	[5547, 10393]	11299	[1031, 1470]
1313	[2435, 2436]	4642	[7040, 7041]	7971	[6459, 10394]	11300	[12620, 12621]
1314	[2437, 2438]	4643	[6896, 7042]	7972	[10395, 10396]	11301	[12116, 12622]
1315	[2439, 2440]	4644	[909, 7043]	7973	[10386, 10397]	11302	[10043, 8109]
1316	[2441, 2442]	4645	[7044, 7045]	7974	[3079, 527]	11303	[12623, 9251]
1317	[2443, 2444]	4646	[7046, 1872]	7975	[5597, 6700]	11304	[4139, 11852]
1318	[2445, 2446]	4647	[2494, 7047]	7976	[5598, 2106]	11305	[12624, 12625]
1319	[2447, 2448]	4648	[5825, 7048]	7977	[10398, 5690]	11306	[12626, 7842]
1320	[2409, 2449]	4649	[5667, 7049]	7978	[129, 158]	11307	[12627, 12628]
1321	[2450, 2451]	4650	[7050, 7051]	7979	[1858, 6294]	11308	[8800, 12064]
1322	[2452, 2453]	4651	[7052, 5646]	7980	[2142, 2112]	11309	[4471, 3609]
1323	[2454, 2455]	4652	[7053, 7054]	7981	[2687, 10399]	11310	[3587, 3852]
1324	[2456, 1929]	4653	[7055, 695]	7982	[730, 5630]	11311	[4625, 8748]
1325	[908, 2457]	4654	[7056, 6079]	7983	[10400, 2999]	11312	[8664, 12629]
1326	[2458, 2459]	4655	[5499, 7057]	7984	[7315, 10401]	11313	[4199, 12630]
1327	[2460, 2001]	4656	[5785, 818]	7985	[2862, 824]	11314	[12631, 8407]
1328	[2461, 2462]	4657	[7058, 2233]	7986	[10402, 6751]	11315	[12632, 5241]
1329	[2463, 2464]	4658	[3208, 2637]	7987	[10403, 2679]	11316	[12633, 1123]
1330	[2465, 2466]	4659	[7059, 2995]	7988	[10157, 1997]	11317	[12634, 10115]
1331	[211, 2467]	4660	[7045, 7060]	7989	[5601, 10404]	11318	[4474, 4228]
1332	[2468, 2469]	4661	[7061, 7062]	7990	[10405, 2531]	11319	[12635, 12636]
1333	[2470, 2471]	4662	[7063, 7064]	7991	[6813, 7293]	11320	[12637, 12638]
1334	[2472, 2473]	4663	[2805, 964]	7992	[7247, 5327]	11321	[12639, 11958]
1335	[2032, 2474]	4664	[7065, 6773]	7993	[10237, 10406]	11322	[12640, 9465]

1336	[2475, 2476]	4665	[3039, 2108]	7994	[10407, 2782]	11323	[12641, 8004]
1337	[2477, 2478]	4666	[3104, 563]	7995	[7408, 2624]	11324	[12642, 12410]
1338	[844, 2479]	4667	[2715, 5430]	7996	[6363, 6115]	11325	[9594, 9488]
1339	[2480, 2481]	4668	[7066, 2126]	7997	[10408, 10274]	11326	[12643, 1098]
1340	[1889, 2482]	4669	[2705, 180]	7998	[10409, 10410]	11327	[4801, 8979]
1341	[2483, 2484]	4670	[7067, 6576]	7999	[10411, 10412]	11328	[12644, 3425]
1342	[2485, 2486]	4671	[171, 2017]	8000	[10413, 2739]	11329	[12595, 12206]
1343	[2487, 2488]	4672	[820, 5709]	8001	[10414, 7389]	11330	[12645, 356]
1344	[2489, 161]	4673	[653, 5598]	8002	[10415, 7564]	11331	[1253, 9249]
1345	[2490, 2491]	4674	[7068, 7069]	8003	[5543, 2470]	11332	[12646, 9845]
1346	[2492, 918]	4675	[6179, 6161]	8004	[6823, 10416]	11333	[12647, 9657]
1347	[46, 2493]	4676	[6739, 5495]	8005	[2686, 7175]	11334	[1226, 11761]
1348	[2494, 2495]	4677	[7070, 715]	8006	[10417, 6478]	11335	[12648, 12649]
1349	[2496, 2497]	4678	[7071, 7072]	8007	[130, 159]	11336	[5108, 7678]
1350	[2498, 233]	4679	[7073, 2698]	8008	[10418, 10419]	11337	[4217, 4844]
1351	[2320, 2499]	4680	[7074, 7075]	8009	[6974, 2720]	11338	[9612, 4269]
1352	[2500, 2501]	4681	[61, 7076]	8010	[2990, 7087]	11339	[12144, 4267]
1353	[2228, 2502]	4682	[3001, 2418]	8011	[10420, 231]	11340	[7704, 8325]
1354	[2503, 2504]	4683	[2991, 2178]	8012	[5665, 10421]	11341	[12650, 3475]
1355	[781, 228]	4684	[7077, 7078]	8013	[647, 948]	11342	[12031, 12651]
1356	[2505, 2506]	4685	[7079, 7080]	8014	[10422, 10423]	11343	[12652, 12653]
1357	[2507, 2508]	4686	[7079, 6366]	8015	[10424, 2689]	11344	[5032, 12654]
1358	[2509, 2510]	4687	[7081, 47]	8016	[10425, 10426]	11345	[12655, 4083]
1359	[1835, 2324]	4688	[5541, 6020]	8017	[1849, 532]	11346	[12656, 5111]
1360	[2511, 2256]	4689	[7082, 2625]	8018	[10427, 6147]	11347	[3524, 8119]
1361	[2512, 2513]	4690	[2950, 2467]	8019	[6349, 205]	11348	[12657, 8308]
1362	[2514, 2515]	4691	[2774, 7083]	8020	[10428, 5965]	11349	[12658, 12645]
1363	[2516, 2517]	4692	[2290, 7084]	8021	[10429, 10430]	11350	[12659, 1775]
1364	[2518, 2519]	4693	[7085, 2284]	8022	[10431, 5707]	11351	[12660, 12661]
1365	[2520, 223]	4694	[7086, 7087]	8023	[10432, 10433]	11352	[12662, 1782]
1366	[2521, 2522]	4695	[2390, 2797]	8024	[10434, 7647]	11353	[12663, 4738]
1367	[2523, 1842]	4696	[7088, 7089]	8025	[5316, 2633]	11354	[12649, 8386]
1368	[2524, 2158]	4697	[7090, 7091]	8026	[2172, 10435]	11355	[4746, 7854]
1369	[2525, 2448]	4698	[7092, 7093]	8027	[2943, 5929]	11356	[3603, 12557]
1370	[2526, 2527]	4699	[5937, 6085]	8028	[2523, 7244]	11357	[12664, 8769]
1371	[2528, 43]	4700	[7094, 7095]	8029	[10436, 759]	11358	[12665, 9197]
1372	[2529, 2530]	4701	[2038, 2493]	8030	[10437, 10438]	11359	[12666, 12267]
1373	[2531, 2532]	4702	[7096, 7097]	8031	[2508, 2785]	11360	[12667, 9445]
1374	[2533, 2494]	4703	[2254, 2748]	8032	[5324, 579]	11361	[12668, 8649]
1375	[2534, 2535]	4704	[6008, 7098]	8033	[7566, 7403]	11362	[12669, 12670]
1376	[2536, 2537]	4705	[6375, 6682]	8034	[6776, 6738]	11363	[72, 12671]
1377	[2538, 2539]	4706	[2837, 7099]	8035	[3081, 7569]	11364	[12672, 424]
1378	[2540, 2541]	4707	[6691, 7100]	8036	[10439, 2110]	11365	[5290, 4970]
1379	[209, 2542]	4708	[7101, 2670]	8037	[1827, 10440]	11366	[12673, 1821]

1380	[2543, 506]	4709	[7102, 1926]	8038	[10441, 6453]	11367	[12674, 3247]
1381	[2544, 2545]	4710	[7103, 7104]	8039	[683, 5831]	11368	[1512, 8077]
1382	[2546, 2547]	4711	[7105, 6908]	8040	[10442, 6282]	11369	[12675, 4201]
1383	[2548, 2549]	4712	[5806, 582]	8041	[10443, 2395]	11370	[8816, 4921]
1384	[2550, 508]	4713	[7106, 7107]	8042	[10444, 10445]	11371	[12676, 5213]
1385	[2551, 2552]	4714	[7108, 805]	8043	[721, 10446]	11372	[12677, 3589]
1386	[2553, 2554]	4715	[3082, 7109]	8044	[7124, 6338]	11373	[12678, 3385]
1387	[2555, 2556]	4716	[2181, 2868]	8045	[10447, 2192]	11374	[4631, 4357]
1388	[2557, 2558]	4717	[7110, 7111]	8046	[130, 10448]	11375	[12679, 8809]
1389	[2343, 2034]	4718	[5779, 6004]	8047	[5648, 10377]	11376	[12680, 4720]
1390	[2559, 775]	4719	[591, 2296]	8048	[603, 7471]	11377	[12681, 1069]
1391	[2560, 2561]	4720	[7112, 7113]	8049	[2583, 691]	11378	[12671, 7659]
1392	[2562, 2563]	4721	[7114, 2267]	8050	[10449, 10450]	11379	[11781, 12682]
1393	[2564, 862]	4722	[131, 1847]	8051	[10451, 10452]	11380	[12683, 12684]
1394	[2565, 2566]	4723	[7115, 5628]	8052	[10453, 10454]	11381	[9191, 9100]
1395	[2567, 2534]	4724	[5858, 3124]	8053	[2314, 10455]	11382	[12685, 9942]
1396	[2568, 2569]	4725	[7116, 3055]	8054	[10456, 2301]	11383	[8705, 4359]
1397	[2570, 2571]	4726	[7117, 7118]	8055	[2149, 2037]	11384	[12686, 10127]
1398	[2572, 1896]	4727	[7119, 7120]	8056	[10457, 196]	11385	[12687, 3410]
1399	[2573, 2574]	4728	[2242, 7121]	8057	[10297, 10458]	11386	[4509, 4521]
1400	[2575, 2576]	4729	[7122, 6300]	8058	[6818, 2536]	11387	[1701, 9698]
1401	[2577, 2578]	4730	[5513, 514]	8059	[10424, 2724]	11388	[12688, 8174]
1402	[2579, 528]	4731	[7123, 7124]	8060	[10459, 1996]	11389	[12689, 12690]
1403	[2580, 209]	4732	[5547, 6448]	8061	[7426, 10460]	11390	[12691, 3235]
1404	[716, 2581]	4733	[7125, 7126]	8062	[5878, 10461]	11391	[4061, 9520]
1405	[2582, 2583]	4734	[7127, 6323]	8063	[6788, 191]	11392	[1273, 4709]
1406	[2584, 234]	4735	[7128, 7129]	8064	[10462, 5756]	11393	[12692, 9325]
1407	[2585, 2586]	4736	[5756, 6306]	8065	[5874, 3208]	11394	[12693, 1805]
1408	[2587, 730]	4737	[7130, 7131]	8066	[710, 10463]	11395	[12694, 12695]
1409	[2187, 2588]	4738	[7132, 2120]	8067	[246, 2708]	11396	[12696, 12281]
1410	[2189, 2589]	4739	[7133, 3135]	8068	[7091, 7413]	11397	[8898, 3726]
1411	[2315, 915]	4740	[1947, 7134]	8069	[10464, 10465]	11398	[1057, 9019]
1412	[2590, 651]	4741	[2952, 166]	8070	[10466, 10467]	11399	[3572, 12697]
1413	[2591, 2592]	4742	[7135, 7136]	8071	[528, 3137]	11400	[12698, 12699]
1414	[2593, 2317]	4743	[7137, 2926]	8072	[10468, 7335]	11401	[7864, 12700]
1415	[1996, 2594]	4744	[7138, 7139]	8073	[5773, 2608]	11402	[12701, 7803]
1416	[166, 2595]	4745	[3157, 7140]	8074	[10469, 10470]	11403	[12702, 12703]
1417	[2519, 549]	4746	[2299, 6227]	8075	[6975, 10226]	11404	[12653, 7813]
1418	[2596, 2597]	4747	[5617, 6054]	8076	[2721, 10471]	11405	[9309, 1063]
1419	[2598, 2599]	4748	[7141, 2719]	8077	[2734, 10472]	11406	[3835, 12704]
1420	[2600, 2601]	4749	[183, 7142]	8078	[2955, 10473]	11407	[11714, 12705]
1421	[2602, 2603]	4750	[6612, 6336]	8079	[10474, 2495]	11408	[8583, 8736]
1422	[2604, 2477]	4751	[7143, 7144]	8080	[10475, 10476]	11409	[12706, 12707]
1423	[2605, 2022]	4752	[6653, 7145]	8081	[6690, 577]	11410	[12708, 8148]

1424	[2606, 843]	4753	[7146, 3164]	8082	[10451, 7120]	11411	[12709, 4817]
1425	[2607, 2608]	4754	[7147, 7148]	8083	[6863, 10477]	11412	[12710, 3800]
1426	[2609, 2610]	4755	[1955, 5333]	8084	[3164, 3123]	11413	[12711, 3726]
1427	[2611, 2612]	4756	[7149, 7150]	8085	[1862, 5760]	11414	[3486, 3284]
1428	[2613, 2614]	4757	[7151, 165]	8086	[10478, 10323]	11415	[12712, 8445]
1429	[2615, 2616]	4758	[6154, 825]	8087	[10479, 10480]	11416	[8315, 8695]
1430	[2617, 2102]	4759	[7152, 7153]	8088	[3128, 6711]	11417	[12550, 3661]
1431	[2618, 2619]	4760	[582, 6630]	8089	[3034, 2525]	11418	[9703, 9197]
1432	[2620, 2621]	4761	[7154, 2845]	8090	[3060, 5888]	11419	[12402, 12117]
1433	[2622, 2623]	4762	[7155, 6194]	8091	[10481, 10482]	11420	[4157, 12713]
1434	[2624, 2625]	4763	[7156, 7157]	8092	[10483, 7339]	11421	[12714, 4189]
1435	[2626, 521]	4764	[7158, 2607]	8093	[10484, 10485]	11422	[12715, 12716]
1436	[2627, 2371]	4765	[938, 178]	8094	[6043, 666]	11423	[12717, 4493]
1437	[2628, 2629]	4766	[786, 62]	8095	[10486, 10329]	11424	[8372, 305]
1438	[2630, 2631]	4767	[7159, 6308]	8096	[6511, 7031]	11425	[12607, 12600]
1439	[2632, 2633]	4768	[7160, 6283]	8097	[10487, 6167]	11426	[12718, 8363]
1440	[2050, 2634]	4769	[7161, 5758]	8098	[10488, 2680]	11427	[1537, 7751]
1441	[2635, 779]	4770	[2907, 5620]	8099	[10489, 6055]	11428	[8862, 12719]
1442	[2636, 2637]	4771	[7162, 7163]	8100	[2396, 10291]	11429	[410, 9742]
1443	[2638, 2639]	4772	[7000, 2588]	8101	[10490, 10491]	11430	[12720, 8385]
1444	[2640, 2641]	4773	[7164, 644]	8102	[3081, 10492]	11431	[12721, 12722]
1445	[2642, 2643]	4774	[7165, 7166]	8103	[10493, 6767]	11432	[12723, 12122]
1446	[2440, 510]	4775	[7167, 7168]	8104	[10494, 7177]	11433	[9824, 12724]
1447	[2644, 2645]	4776	[6809, 7169]	8105	[10152, 10495]	11434	[12725, 7949]
1448	[2646, 244]	4777	[2228, 6783]	8106	[6099, 10496]	11435	[12726, 3932]
1449	[2647, 2648]	4778	[7170, 512]	8107	[10497, 6589]	11436	[12727, 12728]
1450	[2649, 2650]	4779	[5759, 226]	8108	[10498, 3149]	11437	[1617, 4581]
1451	[2651, 2652]	4780	[7171, 52]	8109	[10499, 7228]	11438	[12729, 12730]
1452	[2653, 2654]	4781	[7172, 2870]	8110	[2957, 10500]	11439	[12731, 7954]
1453	[2655, 2656]	4782	[648, 7173]	8111	[6144, 6415]	11440	[9755, 12732]
1454	[2090, 910]	4783	[2199, 5409]	8112	[5972, 10501]	11441	[12733, 9125]
1455	[2657, 2529]	4784	[7174, 5969]	8113	[10502, 10503]	11442	[1204, 8136]
1456	[2658, 2659]	4785	[6447, 7175]	8114	[7375, 6578]	11443	[12734, 4882]
1457	[2660, 2661]	4786	[7176, 7177]	8115	[6057, 7580]	11444	[12735, 3888]
1458	[2662, 2663]	4787	[7178, 7179]	8116	[2665, 10317]	11445	[12736, 9469]
1459	[2664, 2665]	4788	[2575, 7180]	8117	[7189, 32]	11446	[12737, 9906]
1460	[2666, 2603]	4789	[7181, 7182]	8118	[5772, 10504]	11447	[12738, 1006]
1461	[2034, 2667]	4790	[883, 2322]	8119	[10505, 10506]	11448	[12363, 5049]
1462	[2668, 2669]	4791	[2235, 7183]	8120	[10335, 6817]	11449	[12700, 4090]
1463	[2670, 2185]	4792	[5945, 3056]	8121	[10507, 884]	11450	[12739, 1280]
1464	[2671, 212]	4793	[7184, 2389]	8122	[10508, 10509]	11451	[12740, 404]
1465	[2488, 917]	4794	[7185, 7186]	8123	[10510, 3131]	11452	[12741, 7867]
1466	[2672, 2673]	4795	[6875, 765]	8124	[10511, 2699]	11453	[12742, 4473]
1467	[2674, 2675]	4796	[5374, 3183]	8125	[3098, 561]	11454	[12743, 1347]

1468	[2676, 2677]	4797	[6164, 6723]	8126	[10512, 10513]	11455	[12744, 3384]
1469	[882, 2678]	4798	[7187, 5903]	8127	[7182, 7653]	11456	[12582, 1146]
1470	[1940, 2679]	4799	[5558, 7188]	8128	[6665, 10514]	11457	[8836, 12745]
1471	[1942, 2680]	4800	[7189, 5818]	8129	[6534, 10515]	11458	[12746, 1440]
1472	[2681, 2682]	4801	[7190, 7191]	8130	[825, 10516]	11459	[12747, 3958]
1473	[2683, 2684]	4802	[7192, 5775]	8131	[6519, 554]	11460	[12748, 8311]
1474	[2685, 2303]	4803	[7193, 6654]	8132	[10517, 6401]	11461	[4419, 12749]
1475	[2686, 2687]	4804	[3197, 942]	8133	[2118, 578]	11462	[12750, 7746]
1476	[2688, 2689]	4805	[7194, 7195]	8134	[10518, 6383]	11463	[9322, 12751]
1477	[2690, 2691]	4806	[7196, 7197]	8135	[7606, 3155]	11464	[12752, 3987]
1478	[2692, 1839]	4807	[7198, 6228]	8136	[10519, 3154]	11465	[12540, 12120]
1479	[2693, 2694]	4808	[7199, 6418]	8137	[6285, 10520]	11466	[3323, 8547]
1480	[2695, 2696]	4809	[6201, 2871]	8138	[6405, 5646]	11467	[12753, 8095]
1481	[2643, 2697]	4810	[3054, 7200]	8139	[10521, 7111]	11468	[12754, 8920]
1482	[2698, 2045]	4811	[7201, 6695]	8140	[10522, 7469]	11469	[12755, 12355]
1483	[2699, 2700]	4812	[5641, 7202]	8141	[10523, 10524]	11470	[12273, 8930]
1484	[2701, 2702]	4813	[807, 5847]	8142	[7314, 10525]	11471	[12756, 1230]
1485	[2703, 39]	4814	[7203, 7204]	8143	[2811, 2247]	11472	[12262, 4064]
1486	[2704, 2661]	4815	[7205, 7206]	8144	[10526, 10392]	11473	[12757, 8071]
1487	[2705, 1901]	4816	[7207, 7208]	8145	[7290, 7237]	11474	[12758, 1676]
1488	[2302, 2348]	4817	[7209, 3164]	8146	[2313, 2854]	11475	[9590, 10130]
1489	[2706, 2707]	4818	[7048, 7210]	8147	[10527, 10528]	11476	[12759, 1566]
1490	[2708, 2709]	4819	[7211, 7212]	8148	[10529, 2761]	11477	[12760, 9684]
1491	[2710, 2711]	4820	[7213, 7214]	8149	[7013, 7530]	11478	[1400, 11825]
1492	[2712, 572]	4821	[2741, 7215]	8150	[6958, 2803]	11479	[12292, 12483]
1493	[2713, 869]	4822	[7216, 6032]	8151	[10530, 2338]	11480	[12761, 7998]
1494	[2714, 2715]	4823	[7217, 931]	8152	[10531, 10532]	11481	[12762, 3618]
1495	[2716, 2717]	4824	[2569, 7218]	8153	[7591, 10342]	11482	[12763, 4275]
1496	[2718, 776]	4825	[5431, 5709]	8154	[10533, 10534]	11483	[3939, 9745]
1497	[2719, 2720]	4826	[7219, 6736]	8155	[7402, 7567]	11484	[1634, 8554]
1498	[2721, 2722]	4827	[7220, 788]	8156	[6947, 10535]	11485	[12764, 1481]
1499	[505, 2723]	4828	[7221, 6766]	8157	[10536, 10537]	11486	[12765, 3664]
1500	[822, 182]	4829	[7222, 7223]	8158	[10538, 2412]	11487	[12766, 8096]
1501	[2688, 2724]	4830	[7224, 6850]	8159	[10539, 10540]	11488	[11805, 3497]
1502	[2725, 2726]	4831	[7225, 2043]	8160	[501, 2874]	11489	[12767, 9522]
1503	[2727, 2728]	4832	[7226, 7227]	8161	[2624, 2454]	11490	[1325, 1025]
1504	[2729, 2730]	4833	[7228, 2770]	8162	[2400, 10541]	11491	[12768, 9053]
1505	[2731, 2732]	4834	[7229, 853]	8163	[10542, 5316]	11492	[12769, 9016]
1506	[2733, 2734]	4835	[633, 2338]	8164	[10543, 10544]	11493	[3547, 4416]
1507	[2735, 2114]	4836	[7230, 141]	8165	[10545, 10546]	11494	[12770, 8056]
1508	[2736, 2389]	4837	[7231, 5782]	8166	[2490, 7406]	11495	[4059, 12771]
1509	[2737, 2738]	4838	[7225, 6413]	8167	[5312, 10525]	11496	[12772, 12589]
1510	[2739, 711]	4839	[5401, 7232]	8168	[7214, 7161]	11497	[5193, 10034]
1511	[2728, 2216]	4840	[3189, 7233]	8169	[10547, 5413]	11498	[12773, 3797]

1512	[2732, 2740]	4841	[7234, 5632]	8170	[10548, 2520]	11499	[1288, 12468]
1513	[2741, 2742]	4842	[7235, 1878]	8171	[10544, 5775]	11500	[12774, 1059]
1514	[2743, 2744]	4843	[7236, 222]	8172	[10549, 6855]	11501	[12775, 12776]
1515	[2546, 631]	4844	[6539, 5317]	8173	[10550, 10551]	11502	[12228, 12777]
1516	[2745, 2746]	4845	[6510, 7030]	8174	[10552, 6894]	11503	[8058, 4183]
1517	[2747, 2748]	4846	[7237, 2785]	8175	[6133, 2359]	11504	[7777, 1346]
1518	[2749, 2660]	4847	[7238, 7239]	8176	[10553, 10554]	11505	[12778, 8255]
1519	[2750, 2516]	4848	[7098, 611]	8177	[10555, 2121]	11506	[12779, 12693]
1520	[2751, 2752]	4849	[2929, 7240]	8178	[10465, 2288]	11507	[12780, 473]
1521	[2753, 250]	4850	[2810, 935]	8179	[10556, 5875]	11508	[5289, 12428]
1522	[2754, 2755]	4851	[7241, 7242]	8180	[10557, 10558]	11509	[11862, 4876]
1523	[2756, 2757]	4852	[5789, 718]	8181	[10559, 5382]	11510	[12781, 12782]
1524	[2444, 2758]	4853	[7243, 801]	8182	[6152, 10560]	11511	[12783, 12784]
1525	[2759, 2760]	4854	[7244, 1843]	8183	[10561, 10562]	11512	[5004, 9432]
1526	[1928, 2761]	4855	[7245, 7246]	8184	[2980, 2911]	11513	[12785, 390]
1527	[640, 2762]	4856	[7247, 1896]	8185	[10563, 2168]	11514	[12786, 7741]
1528	[827, 2763]	4857	[7248, 7213]	8186	[10564, 10565]	11515	[9857, 8752]
1529	[2764, 636]	4858	[7249, 851]	8187	[6936, 916]	11516	[8636, 1618]
1530	[2275, 638]	4859	[6100, 2951]	8188	[10566, 917]	11517	[12787, 4541]
1531	[2362, 2765]	4860	[7250, 7251]	8189	[5343, 10567]	11518	[12788, 8049]
1532	[2766, 2767]	4861	[7252, 7253]	8190	[10568, 10465]	11519	[12789, 7742]
1533	[2768, 2769]	4862	[7254, 7255]	8191	[10569, 3086]	11520	[356, 4855]
1534	[1534, 1534]	4863	[7256, 7228]	8192	[10570, 6410]	11521	[12790, 5136]
1535	[2770, 2771]	4864	[7257, 7258]	8193	[10571, 2345]	11522	[8403, 10112]
1536	[2772, 2773]	4865	[7259, 7260]	8194	[2827, 247]	11523	[1352, 8409]
1537	[2774, 2775]	4866	[1909, 3118]	8195	[10572, 10573]	11524	[12301, 4164]
1538	[2776, 2777]	4867	[7261, 1904]	8196	[10574, 6073]	11525	[12791, 3500]
1539	[2778, 2779]	4868	[674, 6011]	8197	[10575, 10576]	11526	[12792, 1207]
1540	[723, 2780]	4869	[2623, 2447]	8198	[7142, 2601]	11527	[12793, 7773]
1541	[2781, 2040]	4870	[7262, 7263]	8199	[7248, 7547]	11528	[12794, 12795]
1542	[2782, 2438]	4871	[7264, 7265]	8200	[3194, 5782]	11529	[12796, 8759]
1543	[2783, 2784]	4872	[6524, 7266]	8201	[10577, 1856]	11530	[8860, 9638]
1544	[2785, 2648]	4873	[7267, 6562]	8202	[3100, 6743]	11531	[12797, 8627]
1545	[2786, 2787]	4874	[742, 7268]	8203	[634, 10578]	11532	[12798, 11863]
1546	[2788, 2789]	4875	[3191, 5722]	8204	[588, 5413]	11533	[1317, 1517]
1547	[2790, 2013]	4876	[7269, 7270]	8205	[10579, 10580]	11534	[12799, 5039]
1548	[2791, 522]	4877	[2949, 793]	8206	[3031, 3197]	11535	[4223, 4307]
1549	[2792, 932]	4878	[7271, 6235]	8207	[10581, 10582]	11536	[12800, 9127]
1550	[2642, 2793]	4879	[7020, 7272]	8208	[10261, 10583]	11537	[12801, 980]
1551	[2794, 2795]	4880	[6676, 7273]	8209	[739, 5351]	11538	[12802, 7935]
1552	[2796, 2797]	4881	[7274, 7275]	8210	[10183, 10584]	11539	[12803, 12804]
1553	[2798, 1947]	4882	[7276, 7277]	8211	[10585, 10586]	11540	[12805, 8895]
1554	[2799, 2800]	4883	[2076, 7278]	8212	[893, 2541]	11541	[12806, 8545]
1555	[2801, 2802]	4884	[6638, 2373]	8213	[10264, 6533]	11542	[12234, 8369]

1556	[2138, 708]	4885	[220, 5702]	8214	[10587, 10588]	11543	[12807, 3250]
1557	[2803, 2451]	4886	[7279, 7280]	8215	[1966, 12]	11544	[12808, 3285]
1558	[2804, 2805]	4887	[2203, 6565]	8216	[10589, 5615]	11545	[9302, 1198]
1559	[2806, 2181]	4888	[7281, 7282]	8217	[1861, 6840]	11546	[12809, 3432]
1560	[2807, 2808]	4889	[7283, 771]	8218	[10590, 2565]	11547	[1480, 1609]
1561	[2809, 2810]	4890	[7284, 7285]	8219	[10591, 601]	11548	[8649, 12157]
1562	[2811, 2812]	4891	[7286, 7287]	8220	[7646, 10592]	11549	[12810, 4292]
1563	[2813, 2814]	4892	[7288, 7289]	8221	[2861, 7073]	11550	[12811, 4257]
1564	[2815, 2816]	4893	[7290, 2508]	8222	[576, 1942]	11551	[12812, 12813]
1565	[2817, 2818]	4894	[2161, 5421]	8223	[10498, 10593]	11552	[12220, 9866]
1566	[2819, 635]	4895	[7291, 7292]	8224	[2491, 2683]	11553	[12814, 3859]
1567	[2820, 203]	4896	[7293, 5562]	8225	[7070, 5658]	11554	[1607, 5170]
1568	[52, 2821]	4897	[2812, 5681]	8226	[5614, 7414]	11555	[10074, 12815]
1569	[2822, 707]	4898	[7294, 3121]	8227	[10594, 143]	11556	[9024, 8482]
1570	[2823, 2824]	4899	[7295, 2846]	8228	[3161, 10351]	11557	[11749, 12816]
1571	[2825, 2826]	4900	[2502, 7296]	8229	[10595, 10596]	11558	[12817, 1169]
1572	[2827, 2828]	4901	[7297, 7298]	8230	[10597, 5850]	11559	[3542, 8162]
1573	[2829, 668]	4902	[6819, 7242]	8231	[1927, 10529]	11560	[12818, 9919]
1574	[1952, 670]	4903	[533, 5324]	8232	[2545, 2759]	11561	[12819, 4492]
1575	[2830, 2831]	4904	[7299, 7300]	8233	[5835, 10598]	11562	[9416, 8630]
1576	[2431, 2832]	4905	[859, 7301]	8234	[10599, 5809]	11563	[12820, 8382]
1577	[2211, 2833]	4906	[2160, 2024]	8235	[5481, 2885]	11564	[12821, 12822]
1578	[2834, 2835]	4907	[7302, 7303]	8236	[5980, 954]	11565	[12823, 7962]
1579	[2836, 710]	4908	[7304, 5726]	8237	[10600, 10601]	11566	[4728, 9006]
1580	[2837, 742]	4909	[5467, 3060]	8238	[7345, 2099]	11567	[12824, 1029]
1581	[2838, 2839]	4910	[7305, 3062]	8239	[10602, 6296]	11568	[9737, 8459]
1582	[2840, 2841]	4911	[7306, 7307]	8240	[2723, 7591]	11569	[8148, 1343]
1583	[2842, 2843]	4912	[5875, 7308]	8241	[6339, 10603]	11570	[12825, 1167]
1584	[2844, 2845]	4913	[6733, 6461]	8242	[6018, 10604]	11571	[12826, 3295]
1585	[2846, 2847]	4914	[2273, 2729]	8243	[5324, 6479]	11572	[4428, 12827]
1586	[2848, 2849]	4915	[5909, 6556]	8244	[10605, 10606]	11573	[12828, 9385]
1587	[2850, 2851]	4916	[7309, 7310]	8245	[10607, 54]	11574	[12829, 1492]
1588	[1871, 2852]	4917	[6416, 7311]	8246	[10608, 6805]	11575	[12830, 7721]
1589	[2853, 2854]	4918	[7312, 6814]	8247	[10609, 10610]	11576	[9497, 9404]
1590	[2855, 2856]	4919	[2404, 7313]	8248	[10611, 10612]	11577	[4697, 12831]
1591	[2857, 1869]	4920	[2406, 7314]	8249	[7529, 10175]	11578	[7756, 4888]
1592	[547, 2858]	4921	[7315, 5966]	8250	[10613, 7652]	11579	[5244, 4526]
1593	[2859, 49]	4922	[3143, 7316]	8251	[10611, 10614]	11580	[12832, 4465]
1594	[2860, 2861]	4923	[7317, 2422]	8252	[10615, 10616]	11581	[12719, 9669]
1595	[2862, 2863]	4924	[6472, 5471]	8253	[10617, 10618]	11582	[9560, 3898]
1596	[2864, 2865]	4925	[7318, 7319]	8254	[10619, 10620]	11583	[7828, 3762]
1597	[212, 2866]	4926	[5897, 7098]	8255	[10621, 10622]	11584	[9766, 11720]
1598	[2867, 900]	4927	[6672, 7320]	8256	[5357, 5899]	11585	[12833, 5028]
1599	[2868, 2869]	4928	[5323, 534]	8257	[10623, 10624]	11586	[12834, 1518]

1600	[2870, 2871]	4929	[7321, 7322]	8258	[631, 10625]	11587	[12835, 12836]
1601	[2872, 2873]	4930	[6637, 252]	8259	[890, 608]	11588	[12837, 3556]
1602	[2874, 1860]	4931	[7323, 7324]	8260	[6541, 888]	11589	[12838, 12839]
1603	[2875, 2595]	4932	[7325, 7326]	8261	[6872, 7303]	11590	[12146, 1589]
1604	[2876, 2877]	4933	[7327, 7328]	8262	[5650, 5529]	11591	[9672, 3724]
1605	[2878, 2879]	4934	[2184, 7329]	8263	[5729, 10626]	11592	[11880, 4909]
1606	[2880, 2881]	4935	[6362, 6862]	8264	[2296, 2405]	11593	[3381, 3345]
1607	[2882, 2217]	4936	[5816, 7330]	8265	[10627, 6506]	11594	[9625, 8138]
1608	[2883, 2884]	4937	[232, 6910]	8266	[2915, 6985]	11595	[12840, 4721]
1609	[2885, 2381]	4938	[7331, 7332]	8267	[5726, 10628]	11596	[12841, 12842]
1610	[2886, 2887]	4939	[7333, 7334]	8268	[7504, 7473]	11597	[12822, 9002]
1611	[2888, 2889]	4940	[7335, 7336]	8269	[6422, 10629]	11598	[12843, 12253]
1612	[2890, 2891]	4941	[6410, 5547]	8270	[10630, 2084]	11599	[12337, 8350]
1613	[2892, 2893]	4942	[172, 7337]	8271	[10631, 3032]	11600	[12844, 8397]
1614	[2894, 2895]	4943	[6727, 7338]	8272	[6488, 660]	11601	[12845, 12153]
1615	[2896, 2760]	4944	[169, 7339]	8273	[2679, 6813]	11602	[12846, 12340]
1616	[2897, 2898]	4945	[7340, 5483]	8274	[2390, 10632]	11603	[12847, 5154]
1617	[624, 2024]	4946	[580, 7341]	8275	[2736, 3065]	11604	[12745, 12848]
1618	[2899, 2900]	4947	[7342, 3207]	8276	[2752, 5842]	11605	[12849, 7744]
1619	[2901, 2902]	4948	[3195, 5783]	8277	[10633, 2377]	11606	[8283, 7911]
1620	[2903, 2904]	4949	[7343, 6190]	8278	[7361, 10634]	11607	[1717, 395]
1621	[2905, 2906]	4950	[7344, 7345]	8279	[7384, 6596]	11608	[12850, 4309]
1622	[156, 2907]	4951	[838, 7346]	8280	[10635, 10636]	11609	[12851, 12852]
1623	[2908, 2909]	4952	[6002, 7347]	8281	[5655, 2072]	11610	[12853, 12854]
1624	[2910, 251]	4953	[7348, 7349]	8282	[2145, 7011]	11611	[12855, 12606]
1625	[2911, 2912]	4954	[7350, 7351]	8283	[5804, 3047]	11612	[1097, 9300]
1626	[2913, 2914]	4955	[7352, 2802]	8284	[10637, 2187]	11613	[8453, 12847]
1627	[1835, 2915]	4956	[7353, 5519]	8285	[2940, 10638]	11614	[8017, 3860]
1628	[530, 796]	4957	[7354, 6296]	8286	[242, 10639]	11615	[12856, 8458]
1629	[2916, 2917]	4958	[3030, 3196]	8287	[10495, 6254]	11616	[12857, 5109]
1630	[2918, 2919]	4959	[7355, 687]	8288	[10640, 10641]	11617	[12630, 4907]
1631	[939, 2920]	4960	[7356, 7287]	8289	[10642, 2167]	11618	[12858, 4457]
1632	[2921, 2922]	4961	[6112, 7357]	8290	[10643, 6956]	11619	[12859, 4542]
1633	[2923, 2924]	4962	[7358, 7359]	8291	[5369, 2805]	11620	[12860, 8764]
1634	[2925, 2926]	4963	[6543, 7360]	8292	[2834, 10644]	11621	[284, 12793]
1635	[2927, 2928]	4964	[6138, 5392]	8293	[2753, 2605]	11622	[8728, 12861]
1636	[162, 2929]	4965	[7361, 7362]	8294	[2114, 7104]	11623	[3605, 4366]
1637	[2930, 2931]	4966	[6882, 5474]	8295	[6663, 6553]	11624	[1017, 12862]
1638	[2932, 2933]	4967	[7363, 7364]	8296	[182, 1959]	11625	[12670, 3832]
1639	[2300, 2934]	4968	[6297, 2064]	8297	[10608, 6355]	11626	[12863, 8483]
1640	[2935, 2936]	4969	[6959, 2756]	8298	[2884, 7641]	11627	[12864, 12865]
1641	[877, 2712]	4970	[7365, 6511]	8299	[3074, 884]	11628	[8757, 12374]
1642	[2937, 615]	4971	[7366, 3037]	8300	[10645, 10646]	11629	[12866, 1279]
1643	[2938, 2939]	4972	[5454, 3186]	8301	[10647, 5566]	11630	[12867, 101]

1644	[2940, 669]	4973	[7367, 927]	8302	[2949, 6698]	11631	[4946, 9585]
1645	[2941, 1832]	4974	[7368, 5858]	8303	[10546, 5403]	11632	[11990, 12022]
1646	[2942, 2861]	4975	[7369, 7370]	8304	[10648, 10649]	11633	[12868, 1672]
1647	[2943, 2944]	4976	[7371, 6327]	8305	[10650, 2877]	11634	[12869, 8453]
1648	[2945, 665]	4977	[2244, 58]	8306	[3045, 10651]	11635	[12870, 12786]
1649	[2946, 2763]	4978	[506, 7372]	8307	[10652, 10653]	11636	[12871, 3555]
1650	[2947, 2057]	4979	[7373, 7374]	8308	[6668, 6791]	11637	[12872, 12228]
1651	[2948, 2949]	4980	[7375, 3056]	8309	[10654, 2966]	11638	[12873, 12874]
1652	[210, 2950]	4981	[6967, 7376]	8310	[10655, 5899]	11639	[12875, 9548]
1653	[2951, 2952]	4982	[2067, 7313]	8311	[2687, 10202]	11640	[8513, 9444]
1654	[2953, 2954]	4983	[7377, 635]	8312	[10656, 10529]	11641	[12876, 12877]
1655	[962, 2955]	4984	[7378, 7379]	8313	[10400, 6202]	11642	[12878, 1799]
1656	[2956, 2957]	4985	[6655, 7138]	8314	[7631, 7470]	11643	[12839, 8573]
1657	[2958, 2774]	4986	[7380, 7056]	8315	[6881, 2271]	11644	[3464, 4034]
1658	[2959, 2960]	4987	[7381, 6975]	8316	[10657, 2276]	11645	[464, 1578]
1659	[2961, 2962]	4988	[7382, 7383]	8317	[6754, 1974]	11646	[12879, 12043]
1660	[2963, 2964]	4989	[7384, 670]	8318	[5439, 2753]	11647	[9269, 12739]
1661	[2965, 2966]	4990	[6217, 7336]	8319	[760, 5891]	11648	[12880, 12881]
1662	[2967, 2968]	4991	[7066, 7385]	8320	[10658, 7035]	11649	[12882, 5218]
1663	[2969, 2970]	4992	[7274, 7386]	8321	[10659, 10660]	11650	[12883, 12884]
1664	[2971, 2972]	4993	[2594, 7387]	8322	[10661, 10662]	11651	[8538, 9534]
1665	[2973, 1886]	4994	[7388, 7389]	8323	[6435, 10663]	11652	[8672, 3373]
1666	[2974, 2800]	4995	[7390, 2804]	8324	[10664, 10665]	11653	[12885, 5226]
1667	[2975, 2976]	4996	[7391, 5529]	8325	[7091, 5614]	11654	[12730, 12886]
1668	[2977, 220]	4997	[5748, 2744]	8326	[10666, 7635]	11655	[4852, 472]
1669	[2978, 2979]	4998	[5524, 6567]	8327	[10667, 2117]	11656	[12705, 3396]
1670	[2980, 2981]	4999	[7392, 7393]	8328	[10668, 10669]	11657	[12887, 4393]
1671	[2982, 2983]	5000	[7394, 7395]	8329	[7014, 7584]	11658	[12888, 3478]
1672	[2984, 2153]	5001	[853, 1973]	8330	[3167, 6204]	11659	[1380, 12456]
1673	[2985, 2083]	5002	[5484, 847]	8331	[10670, 5585]	11660	[12889, 12890]
1674	[2986, 2987]	5003	[7396, 7397]	8332	[7542, 5710]	11661	[12891, 8167]
1675	[2988, 2459]	5004	[7398, 6904]	8333	[10671, 10672]	11662	[12892, 8452]
1676	[2920, 2989]	5005	[5999, 7399]	8334	[10414, 7656]	11663	[12893, 3798]
1677	[2990, 2991]	5006	[7400, 5524]	8335	[10673, 2221]	11664	[12894, 4958]
1678	[2992, 2993]	5007	[6747, 895]	8336	[10674, 6892]	11665	[12895, 8151]
1679	[2994, 1876]	5008	[5538, 7401]	8337	[10675, 10676]	11666	[10146, 12005]
1680	[2995, 2996]	5009	[7402, 7403]	8338	[10677, 241]	11667	[12896, 8055]
1681	[2997, 2058]	5010	[7404, 2981]	8339	[10678, 10679]	11668	[12897, 4436]
1682	[2998, 2999]	5011	[7098, 7405]	8340	[10395, 2426]	11669	[12898, 1655]
1683	[3000, 3001]	5012	[6537, 7346]	8341	[10680, 2244]	11670	[9206, 7847]
1684	[2297, 2406]	5013	[601, 7406]	8342	[10681, 6838]	11671	[12517, 9449]
1685	[3002, 719]	5014	[603, 7407]	8343	[2162, 7507]	11672	[12899, 12888]
1686	[3003, 3004]	5015	[7408, 7082]	8344	[7355, 10269]	11673	[4259, 3950]
1687	[2764, 3005]	5016	[7409, 7270]	8345	[7547, 7214]	11674	[4870, 4446]

1688	[3006, 3007]	5017	[5974, 6503]	8346	[551, 5551]	11675	[4692, 8357]
1689	[3008, 3009]	5018	[5438, 7410]	8347	[5799, 10682]	11676	[4206, 12796]
1690	[3010, 3011]	5019	[661, 7411]	8348	[689, 7411]	11677	[1668, 109]
1691	[3012, 3013]	5020	[5840, 7412]	8349	[10683, 10684]	11678	[12900, 9951]
1692	[3014, 1963]	5021	[7413, 7414]	8350	[6994, 1903]	11679	[3914, 3706]
1693	[3015, 2337]	5022	[3147, 149]	8351	[10685, 10686]	11680	[12901, 12544]
1694	[3016, 3017]	5023	[7415, 6098]	8352	[5312, 10687]	11681	[316, 8175]
1695	[3018, 526]	5024	[7416, 2791]	8353	[10688, 7266]	11682	[12902, 9363]
1696	[591, 3019]	5025	[954, 7417]	8354	[873, 10689]	11683	[12903, 12904]
1697	[3020, 3021]	5026	[7335, 6218]	8355	[2287, 5893]	11684	[12905, 10719]
1698	[3022, 3023]	5027	[5329, 7219]	8356	[10690, 10691]	11685	[2555, 12906]
1699	[3024, 3025]	5028	[7418, 7419]	8357	[7083, 10230]	11686	[11523, 12907]
1700	[3026, 3027]	5029	[7420, 2026]	8358	[10152, 6253]	11687	[2544, 7464]
1701	[3028, 3029]	5030	[7421, 2092]	8359	[10692, 2101]	11688	[11329, 10653]
1702	[3030, 3031]	5031	[7422, 944]	8360	[5341, 6117]	11689	[228, 10159]
1703	[738, 3032]	5032	[7423, 5998]	8361	[6506, 7188]	11690	[11115, 6571]
1704	[3033, 3034]	5033	[5908, 6209]	8362	[10693, 10694]	11691	[11541, 6508]
1705	[3035, 213]	5034	[7424, 7425]	8363	[10695, 10696]	11692	[10238, 10376]
1706	[3036, 503]	5035	[7426, 6272]	8364	[5512, 10697]	11693	[10790, 7447]
1707	[3037, 3038]	5036	[6249, 5332]	8365	[10698, 2611]	11694	[221, 12908]
1708	[3039, 684]	5037	[7427, 7428]	8366	[10699, 10700]	11695	[10360, 7107]
1709	[3040, 2646]	5038	[615, 7429]	8367	[5587, 10701]	11696	[12909, 10777]
1710	[3041, 2288]	5039	[7430, 7060]	8368	[5628, 10702]	11697	[12910, 673]
1711	[3042, 2105]	5040	[774, 2553]	8369	[2829, 2940]	11698	[10577, 2342]
1712	[3043, 3044]	5041	[7431, 7432]	8370	[6368, 6987]	11699	[7376, 6770]
1713	[3045, 3046]	5042	[7433, 6643]	8371	[6411, 6448]	11700	[11431, 12911]
1714	[2589, 3047]	5043	[7434, 7435]	8372	[7630, 602]	11701	[184, 12912]
1715	[3048, 3049]	5044	[7436, 760]	8373	[10703, 10372]	11702	[10256, 2882]
1716	[3050, 3051]	5045	[7437, 7438]	8374	[10704, 7343]	11703	[3115, 7574]
1717	[3052, 3053]	5046	[535, 7439]	8375	[10705, 2064]	11704	[12913, 2481]
1718	[3054, 3055]	5047	[539, 7440]	8376	[879, 5394]	11705	[2859, 10340]
1719	[3056, 3057]	5048	[5366, 2653]	8377	[10706, 10707]	11706	[10701, 7394]
1720	[2369, 3058]	5049	[7441, 220]	8378	[936, 10708]	11707	[2492, 5675]
1721	[3059, 2529]	5050	[7442, 7215]	8379	[5347, 10709]	11708	[2531, 11601]
1722	[3060, 3061]	5051	[6877, 7443]	8380	[10710, 10711]	11709	[6974, 12914]
1723	[3062, 2321]	5052	[7444, 6033]	8381	[2024, 177]	11710	[10437, 5615]
1724	[3063, 3064]	5053	[7445, 2430]	8382	[10712, 2740]	11711	[11489, 12915]
1725	[3065, 2390]	5054	[2951, 638]	8383	[5436, 2571]	11712	[12916, 12917]
1726	[3066, 3067]	5055	[7446, 839]	8384	[6807, 10713]	11713	[2447, 6142]
1727	[3068, 3069]	5056	[199, 3106]	8385	[2325, 2425]	11714	[12918, 12919]
1728	[3070, 3071]	5057	[6328, 2343]	8386	[10714, 10715]	11715	[7651, 10929]
1729	[3072, 3073]	5058	[7254, 7447]	8387	[2452, 7544]	11716	[7353, 3192]
1730	[3074, 3075]	5059	[7448, 7449]	8388	[10716, 10680]	11717	[6633, 12920]
1731	[3076, 3077]	5060	[5502, 6673]	8389	[2905, 10717]	11718	[1906, 1846]

1732	[2598, 3078]	5061	[7450, 7451]	8390	[837, 6537]	11719	[3059, 2268]
1733	[3079, 2579]	5062	[7452, 3107]	8391	[10718, 6946]	11720	[12921, 702]
1734	[3080, 3081]	5063	[7453, 2969]	8392	[6682, 6423]	11721	[697, 6132]
1735	[3082, 3083]	5064	[6355, 901]	8393	[10719, 6026]	11722	[12916, 10934]
1736	[3084, 3085]	5065	[3114, 5470]	8394	[10720, 10721]	11723	[2807, 10367]
1737	[3086, 3087]	5066	[7454, 7455]	8395	[10722, 7540]	11724	[2876, 10724]
1738	[3088, 2308]	5067	[2102, 5435]	8396	[10379, 10723]	11725	[12922, 5468]
1739	[3089, 8]	5068	[587, 5954]	8397	[10724, 3012]	11726	[11396, 10537]
1740	[3090, 3091]	5069	[7456, 7457]	8398	[10670, 2133]	11727	[7323, 12923]
1741	[3092, 3093]	5070	[7458, 5964]	8399	[10725, 5964]	11728	[11647, 12924]
1742	[3094, 3095]	5071	[7459, 1952]	8400	[7077, 10726]	11729	[11650, 7156]
1743	[54, 3096]	5072	[7460, 138]	8401	[6985, 10395]	11730	[5427, 7487]
1744	[3097, 3098]	5073	[7404, 2911]	8402	[10727, 10728]	11731	[6121, 2170]
1745	[3099, 3100]	5074	[7461, 7462]	8403	[10701, 5982]	11732	[6768, 6886]
1746	[3101, 3102]	5075	[6704, 7463]	8404	[6350, 10729]	11733	[635, 3018]
1747	[3103, 3104]	5076	[1992, 6840]	8405	[2308, 3192]	11734	[963, 10766]
1748	[2174, 2898]	5077	[7291, 6643]	8406	[10730, 6705]	11735	[12925, 10403]
1749	[724, 3105]	5078	[7464, 2896]	8407	[683, 700]	11736	[2654, 10216]
1750	[2135, 3106]	5079	[7465, 3086]	8408	[3187, 10731]	11737	[6922, 11283]
1751	[2954, 2059]	5080	[7466, 6960]	8409	[10732, 2606]	11738	[10539, 11360]
1752	[3107, 3108]	5081	[5909, 2774]	8410	[10733, 6872]	11739	[2263, 756]
1753	[3109, 3110]	5082	[2443, 2613]	8411	[5720, 10235]	11740	[10345, 7249]
1754	[37, 3081]	5083	[7467, 7468]	8412	[10734, 7119]	11741	[11272, 7235]
1755	[2779, 3111]	5084	[7257, 6617]	8413	[2692, 10735]	11742	[6207, 12926]
1756	[3112, 3113]	5085	[5962, 7469]	8414	[10736, 876]	11743	[2045, 5635]
1757	[931, 3114]	5086	[3103, 6663]	8415	[706, 7144]	11744	[10929, 11633]
1758	[3115, 2695]	5087	[7470, 7471]	8416	[10737, 10738]	11745	[12927, 6217]
1759	[3116, 2885]	5088	[7472, 7473]	8417	[6813, 2165]	11746	[10549, 517]
1760	[3117, 3118]	5089	[7474, 6848]	8418	[6942, 10739]	11747	[2287, 12928]
1761	[3119, 1865]	5090	[7475, 2134]	8419	[10740, 5429]	11748	[5744, 6465]
1762	[3120, 3121]	5091	[7476, 5659]	8420	[7561, 5960]	11749	[12929, 11001]
1763	[3122, 3123]	5092	[5343, 6049]	8421	[5319, 7604]	11750	[12930, 12931]
1764	[3124, 1948]	5093	[5325, 6989]	8422	[6643, 10741]	11751	[2294, 6220]
1765	[3125, 3126]	5094	[6775, 6737]	8423	[3107, 10742]	11752	[12922, 5989]
1766	[3127, 3128]	5095	[7477, 7478]	8424	[10743, 10744]	11753	[517, 5912]
1767	[3129, 3130]	5096	[7479, 2229]	8425	[5350, 740]	11754	[2719, 12914]
1768	[3131, 2476]	5097	[6785, 6377]	8426	[10745, 5395]	11755	[12932, 6467]
1769	[3132, 2790]	5098	[5947, 741]	8427	[2293, 3126]	11756	[10868, 5593]
1770	[2699, 605]	5099	[7364, 5697]	8428	[576, 10488]	11757	[6518, 12933]
1771	[3133, 3134]	5100	[7480, 7481]	8429	[10746, 10747]	11758	[838, 6538]
1772	[3135, 3136]	5101	[6404, 7052]	8430	[10489, 5700]	11759	[2713, 5448]
1773	[3137, 2935]	5102	[6808, 7482]	8431	[151, 520]	11760	[12934, 12935]
1774	[3138, 3139]	5103	[6817, 5855]	8432	[7141, 6974]	11761	[5900, 3206]
1775	[2481, 3140]	5104	[7483, 6164]	8433	[5668, 6495]	11762	[12936, 11617]

1776	[3141, 2835]	5105	[7484, 2063]	8434	[10637, 7000]	11763	[2768, 12937]
1777	[3142, 3143]	5106	[5624, 7485]	8435	[2612, 10748]	11764	[12938, 12939]
1778	[3144, 3145]	5107	[7486, 7487]	8436	[6160, 7341]	11765	[10796, 2764]
1779	[3146, 3147]	5108	[7488, 7042]	8437	[2360, 2513]	11766	[2060, 765]
1780	[2375, 562]	5109	[6287, 6583]	8438	[10749, 10750]	11767	[2031, 6221]
1781	[3148, 3149]	5110	[2124, 7489]	8439	[10751, 2101]	11768	[10873, 12940]
1782	[2438, 3150]	5111	[7490, 5779]	8440	[2483, 10752]	11769	[7115, 6555]
1783	[3151, 3152]	5112	[6732, 7073]	8441	[2357, 10753]	11770	[3049, 2053]
1784	[221, 3153]	5113	[7491, 7173]	8442	[2500, 10754]	11771	[2091, 10971]
1785	[3154, 3155]	5114	[7492, 2202]	8443	[7546, 6393]	11772	[12941, 5520]
1786	[236, 3156]	5115	[7493, 7494]	8444	[738, 10755]	11773	[10479, 10313]
1787	[3157, 3145]	5116	[7350, 892]	8445	[6293, 2208]	11774	[12942, 12943]
1788	[3158, 834]	5117	[7495, 7496]	8446	[10720, 10756]	11775	[5475, 2928]
1789	[151, 3159]	5118	[6760, 7497]	8447	[10757, 10758]	11776	[2340, 12944]
1790	[567, 3160]	5119	[7498, 172]	8448	[609, 2097]	11777	[10659, 11614]
1791	[3161, 3162]	5120	[7499, 7500]	8449	[6963, 1995]	11778	[11608, 12945]
1792	[695, 3163]	5121	[7501, 5836]	8450	[10759, 10760]	11779	[7010, 2749]
1793	[3164, 3165]	5122	[7502, 5533]	8451	[812, 5545]	11780	[7114, 5656]
1794	[807, 2208]	5123	[2336, 7503]	8452	[6068, 2324]	11781	[12946, 1929]
1795	[2314, 3166]	5124	[3104, 6553]	8453	[10706, 6701]	11782	[2725, 12947]
1796	[3167, 3168]	5125	[7504, 7505]	8454	[10761, 10762]	11783	[6821, 10308]
1797	[3169, 3080]	5126	[2173, 2897]	8455	[6237, 10272]	11784	[10886, 12948]
1798	[3170, 3171]	5127	[7506, 7507]	8456	[6281, 6094]	11785	[5384, 5909]
1799	[3172, 2457]	5128	[7508, 7509]	8457	[10763, 10764]	11786	[10833, 7082]
1800	[3173, 3174]	5129	[6324, 6571]	8458	[7042, 659]	11787	[2498, 2584]
1801	[3175, 3176]	5130	[7510, 3003]	8459	[7470, 7407]	11788	[12949, 11182]
1802	[3177, 3178]	5131	[7511, 2230]	8460	[10221, 5952]	11789	[11398, 12950]
1803	[3179, 3180]	5132	[7147, 7512]	8461	[7124, 10765]	11790	[2345, 5396]
1804	[3037, 3181]	5133	[2848, 859]	8462	[2805, 10766]	11791	[5451, 6745]
1805	[3182, 3183]	5134	[2800, 7513]	8463	[6311, 10767]	11792	[11092, 12951]
1806	[3184, 3185]	5135	[7514, 2983]	8464	[10768, 2124]	11793	[2209, 6345]
1807	[3186, 2850]	5136	[7515, 732]	8465	[2770, 10769]	11794	[658, 12952]
1808	[3187, 3188]	5137	[7516, 1925]	8466	[5479, 2833]	11795	[12953, 10961]
1809	[3189, 3190]	5138	[6454, 7517]	8467	[10770, 10771]	11796	[12954, 11444]
1810	[1823, 3191]	5139	[7518, 7519]	8468	[10772, 2692]	11797	[12955, 12956]
1811	[3192, 3193]	5140	[7520, 7521]	8469	[715, 6476]	11798	[6903, 11368]
1812	[3194, 3195]	5141	[7522, 7523]	8470	[10773, 2590]	11799	[1885, 11036]
1813	[3196, 3197]	5142	[541, 7524]	8471	[832, 3184]	11800	[11492, 5884]
1814	[3198, 1920]	5143	[2650, 6932]	8472	[10774, 607]	11801	[12957, 6405]
1815	[3199, 2111]	5144	[2660, 6053]	8473	[5533, 188]	11802	[11552, 169]
1816	[2241, 3200]	5145	[7525, 6226]	8474	[10775, 2611]	11803	[10295, 6657]
1817	[3201, 3202]	5146	[7526, 2086]	8475	[5712, 10776]	11804	[11569, 11472]
1818	[164, 3015]	5147	[6478, 7527]	8476	[10777, 529]	11805	[12930, 7179]
1819	[3203, 3204]	5148	[6680, 7280]	8477	[10778, 6488]	11806	[620, 2319]

1820	[3205, 3206]	5149	[6699, 7528]	8478	[2916, 2392]	11807	[11044, 12958]
1821	[3207, 3208]	5150	[5345, 6991]	8479	[10779, 10780]	11808	[7654, 2014]
1822	[3209, 3210]	5151	[3034, 2447]	8480	[10781, 10782]	11809	[868, 921]
1823	[3211, 3212]	5152	[7529, 7374]	8481	[10783, 6672]	11810	[6118, 2463]
1824	[3213, 3214]	5153	[2974, 6381]	8482	[10784, 6246]	11811	[2297, 5311]
1825	[3215, 3216]	5154	[7530, 7531]	8483	[10785, 6891]	11812	[684, 2109]
1826	[3217, 3218]	5155	[7532, 747]	8484	[5351, 10688]	11813	[10844, 11240]
1827	[3219, 3220]	5156	[7282, 7533]	8485	[6615, 7425]	11814	[6884, 2947]
1828	[3221, 3222]	5157	[589, 2642]	8486	[663, 5698]	11815	[6901, 1853]
1829	[3223, 3224]	5158	[2491, 6635]	8487	[5786, 7143]	11816	[6261, 5971]
1830	[3225, 3226]	5159	[7534, 7535]	8488	[10786, 10787]	11817	[12959, 5336]
1831	[3227, 3228]	5160	[7536, 623]	8489	[10788, 10789]	11818	[192, 12960]
1832	[3229, 3230]	5161	[6300, 7537]	8490	[10790, 7255]	11819	[2190, 867]
1833	[3231, 3232]	5162	[7538, 5990]	8491	[6120, 10712]	11820	[10536, 11397]
1834	[3233, 1666]	5163	[7539, 5711]	8492	[7064, 1851]	11821	[7030, 12961]
1835	[3234, 3235]	5164	[7540, 793]	8493	[1941, 10488]	11822	[3097, 2374]
1836	[1486, 3236]	5165	[50, 3014]	8494	[10791, 10792]	11823	[12962, 6790]
1837	[3237, 3238]	5166	[5690, 6195]	8495	[10793, 10794]	11824	[6511, 12961]
1838	[3239, 3240]	5167	[7541, 7542]	8496	[6419, 6144]	11825	[12963, 12944]
1839	[3241, 3242]	5168	[7543, 7544]	8497	[7586, 569]	11826	[7559, 12964]
1840	[3243, 3244]	5169	[2357, 6505]	8498	[770, 10795]	11827	[10896, 10319]
1841	[3245, 3246]	5170	[7545, 7546]	8499	[2116, 7284]	11828	[12965, 12966]
1842	[3247, 3248]	5171	[2535, 5795]	8500	[10796, 10496]	11829	[2540, 10331]
1843	[3249, 1218]	5172	[2558, 7057]	8501	[10797, 6440]	11830	[11452, 2927]
1844	[1223, 3250]	5173	[7547, 7548]	8502	[6811, 7219]	11831	[11234, 10176]
1845	[3251, 3252]	5174	[3100, 2304]	8503	[2693, 187]	11832	[6473, 2320]
1846	[3253, 3254]	5175	[216, 6724]	8504	[2205, 235]	11833	[5723, 6708]
1847	[446, 3255]	5176	[31, 5818]	8505	[10798, 5951]	11834	[171, 12967]
1848	[3256, 1030]	5177	[7549, 2106]	8506	[2978, 1954]	11835	[3197, 7284]
1849	[3257, 3258]	5178	[7550, 2181]	8507	[7389, 10799]	11836	[6212, 6376]
1850	[3259, 3260]	5179	[7551, 6990]	8508	[1975, 7298]	11837	[11525, 7492]
1851	[3261, 3262]	5180	[6144, 7167]	8509	[10800, 10383]	11838	[5714, 10649]
1852	[468, 1324]	5181	[7552, 2590]	8510	[10801, 7079]	11839	[581, 6040]
1853	[3263, 1326]	5182	[7553, 7554]	8511	[10802, 10551]	11840	[7624, 5789]
1854	[3264, 3265]	5183	[7555, 5438]	8512	[10803, 10804]	11841	[5816, 201]
1855	[3266, 3267]	5184	[7556, 7192]	8513	[10805, 10806]	11842	[11627, 7102]
1856	[3268, 3269]	5185	[2987, 5769]	8514	[5861, 10807]	11843	[5810, 2070]
1857	[3270, 3271]	5186	[3126, 6177]	8515	[10808, 2443]	11844	[6798, 10839]
1858	[3272, 3273]	5187	[726, 6726]	8516	[2885, 10809]	11845	[2816, 12968]
1859	[3274, 3275]	5188	[2579, 6480]	8517	[5669, 10800]	11846	[6383, 5360]
1860	[970, 1046]	5189	[6712, 2362]	8518	[6764, 2347]	11847	[10861, 7602]
1861	[3276, 3277]	5190	[2364, 7156]	8519	[10810, 7351]	11848	[12969, 11385]
1862	[3278, 3279]	5191	[7210, 2386]	8520	[10811, 10812]	11849	[7244, 12970]
1863	[3280, 432]	5192	[3182, 7557]	8521	[10748, 2002]	11850	[6678, 5365]

1864	[3281, 3282]	5193	[6815, 7558]	8522	[1953, 2979]	11851	[12971, 2767]
1865	[3283, 18]	5194	[7559, 7560]	8523	[10195, 6843]	11852	[2137, 707]
1866	[3284, 3285]	5195	[7561, 7562]	8524	[6545, 10813]	11853	[12972, 10663]
1867	[3286, 3287]	5196	[6897, 7563]	8525	[10814, 7114]	11854	[11598, 7093]
1868	[3288, 3289]	5197	[7564, 2472]	8526	[6326, 10815]	11855	[6210, 850]
1869	[3290, 3291]	5198	[7565, 3202]	8527	[3200, 7121]	11856	[622, 11246]
1870	[1484, 264]	5199	[7566, 7567]	8528	[10816, 10817]	11857	[10482, 3163]
1871	[3292, 3293]	5200	[7185, 7568]	8529	[5856, 7479]	11858	[7015, 5645]
1872	[3294, 1176]	5201	[5357, 2582]	8530	[2135, 6433]	11859	[10621, 7612]
1873	[3295, 3296]	5202	[38, 7569]	8531	[5479, 7257]	11860	[11109, 5494]
1874	[3297, 3298]	5203	[7570, 1838]	8532	[10818, 2489]	11861	[5378, 6213]
1875	[3299, 3300]	5204	[7571, 3037]	8533	[1930, 2464]	11862	[10722, 2949]
1876	[3301, 3302]	5205	[7572, 7105]	8534	[2861, 5417]	11863	[12973, 11595]
1877	[3303, 1758]	5206	[7573, 2622]	8535	[6779, 2251]	11864	[2368, 2011]
1878	[3304, 3305]	5207	[7381, 763]	8536	[10819, 10820]	11865	[5470, 2081]
1879	[3306, 3307]	5208	[6056, 955]	8537	[10821, 5510]	11866	[2766, 12974]
1880	[3308, 1632]	5209	[7574, 2696]	8538	[10822, 6186]	11867	[7193, 594]
1881	[3309, 3310]	5210	[7575, 2674]	8539	[10823, 6392]	11868	[11143, 7342]
1882	[3311, 3312]	5211	[7576, 7577]	8540	[10824, 2517]	11869	[10648, 5715]
1883	[3313, 1269]	5212	[7513, 2919]	8541	[2833, 7258]	11870	[10837, 12975]
1884	[3314, 3315]	5213	[6807, 6523]	8542	[10825, 6896]	11871	[5645, 12976]
1885	[3316, 3317]	5214	[2353, 7578]	8543	[6081, 10826]	11872	[10507, 3075]
1886	[3318, 3319]	5215	[6969, 6487]	8544	[6140, 1966]	11873	[12936, 10506]
1887	[3320, 1150]	5216	[7579, 7580]	8545	[10827, 10828]	11874	[5848, 6641]
1888	[3321, 3322]	5217	[7092, 7581]	8546	[10829, 6633]	11875	[11, 1967]
1889	[1110, 3323]	5218	[3004, 844]	8547	[10613, 7182]	11876	[11445, 7440]
1890	[3324, 437]	5219	[7582, 663]	8548	[10830, 7324]	11877	[12977, 12978]
1891	[3325, 3326]	5220	[180, 7583]	8549	[10831, 6930]	11878	[12909, 2781]
1892	[1510, 3327]	5221	[2601, 7584]	8550	[10832, 502]	11879	[7027, 11512]
1893	[126, 3328]	5222	[775, 2554]	8551	[10469, 5465]	11880	[12979, 7305]
1894	[3329, 1020]	5223	[7585, 7263]	8552	[6156, 2973]	11881	[7546, 12980]
1895	[3330, 3331]	5224	[7586, 587]	8553	[7282, 2277]	11882	[6380, 5833]
1896	[3332, 3333]	5225	[5519, 3193]	8554	[5355, 5450]	11883	[11131, 6597]
1897	[3334, 3335]	5226	[5430, 6707]	8555	[10833, 2624]	11884	[2558, 12981]
1898	[3336, 3234]	5227	[7587, 7462]	8556	[6336, 5946]	11885	[2070, 11653]
1899	[3337, 3338]	5228	[5613, 7413]	8557	[10834, 2023]	11886	[11526, 10293]
1900	[1640, 1217]	5229	[5850, 735]	8558	[5691, 10686]	11887	[7210, 7127]
1901	[3339, 3340]	5230	[7588, 7589]	8559	[10493, 767]	11888	[11103, 11323]
1902	[3341, 3342]	5231	[675, 2799]	8560	[10835, 10836]	11889	[2588, 2754]
1903	[3343, 1693]	5232	[32, 5819]	8561	[681, 2695]	11890	[6354, 6805]
1904	[1757, 3344]	5233	[842, 7410]	8562	[10837, 5388]	11891	[5707, 5867]
1905	[3345, 3346]	5234	[3192, 7590]	8563	[10838, 10839]	11892	[11253, 10493]
1906	[3347, 3348]	5235	[7579, 6058]	8564	[10162, 2841]	11893	[11575, 6228]
1907	[3349, 3350]	5236	[7249, 785]	8565	[10840, 10841]	11894	[11554, 6576]

1908	[3351, 3352]	5237	[506, 7591]	8566	[3152, 5541]	11895	[6497, 12982]
1909	[3353, 3354]	5238	[7592, 245]	8567	[10257, 10842]	11896	[6783, 7296]
1910	[3355, 3356]	5239	[2918, 7593]	8568	[2748, 2750]	11897	[10853, 2528]
1911	[3357, 3358]	5240	[760, 6222]	8569	[672, 10843]	11898	[5548, 11122]
1912	[3359, 3360]	5241	[7594, 2488]	8570	[10844, 10845]	11899	[2623, 2525]
1913	[3361, 3362]	5242	[5507, 7595]	8571	[2812, 6978]	11900	[614, 5967]
1914	[3363, 3364]	5243	[7596, 7597]	8572	[7056, 10846]	11901	[686, 6629]
1915	[3365, 3366]	5244	[7598, 7273]	8573	[5694, 5441]	11902	[12983, 1966]
1916	[3367, 3368]	5245	[6512, 7599]	8574	[143, 10847]	11903	[5358, 6753]
1917	[3369, 3370]	5246	[7600, 37]	8575	[10369, 5380]	11904	[6828, 6881]
1918	[3371, 413]	5247	[6503, 2442]	8576	[10758, 2887]	11905	[962, 888]
1919	[3372, 3373]	5248	[7601, 7602]	8577	[10848, 10552]	11906	[800, 11034]
1920	[3374, 3375]	5249	[5600, 7603]	8578	[10849, 2145]	11907	[2193, 2183]
1921	[3376, 3377]	5250	[7604, 5578]	8579	[10438, 5616]	11908	[12984, 5508]
1922	[3378, 3379]	5251	[6363, 2103]	8580	[10850, 216]	11909	[7022, 6171]
1923	[3380, 3381]	5252	[7605, 7606]	8581	[7401, 7297]	11910	[10786, 2505]
1924	[3382, 3383]	5253	[5321, 692]	8582	[10851, 7132]	11911	[12985, 2293]
1925	[3384, 3385]	5254	[5683, 7607]	8583	[10852, 5922]	11912	[7280, 5643]
1926	[3386, 3387]	5255	[7481, 2257]	8584	[10853, 2283]	11913	[11679, 10667]
1927	[3388, 3389]	5256	[7608, 156]	8585	[10854, 10855]	11914	[10332, 12986]
1928	[3390, 3391]	5257	[7609, 7610]	8586	[7004, 3042]	11915	[5344, 6990]
1929	[3392, 3393]	5258	[7611, 7612]	8587	[5914, 10856]	11916	[10918, 12987]
1930	[3394, 3395]	5259	[7613, 7614]	8588	[10857, 10858]	11917	[6806, 6522]
1931	[3396, 3397]	5260	[7167, 6606]	8589	[6559, 7438]	11918	[2806, 1980]
1932	[3398, 3399]	5261	[6785, 7615]	8590	[3006, 10859]	11919	[6602, 2034]
1933	[3400, 3401]	5262	[6385, 7616]	8591	[513, 5514]	11920	[12988, 6823]
1934	[3402, 3403]	5263	[3052, 1972]	8592	[2896, 10574]	11921	[12989, 2579]
1935	[3404, 3405]	5264	[6549, 2278]	8593	[2152, 2219]	11922	[6709, 674]
1936	[1688, 3406]	5265	[7617, 6558]	8594	[2630, 565]	11923	[11210, 10478]
1937	[3407, 3408]	5266	[2107, 6770]	8595	[10860, 2931]	11924	[2894, 6052]
1938	[3409, 3410]	5267	[222, 7618]	8596	[10496, 636]	11925	[6800, 693]
1939	[3411, 3412]	5268	[178, 2920]	8597	[7023, 2439]	11926	[1956, 11242]
1940	[3413, 3414]	5269	[7619, 7100]	8598	[10861, 10862]	11927	[12990, 2078]
1941	[3415, 3416]	5270	[2147, 7620]	8599	[10863, 725]	11928	[10522, 12991]
1942	[1112, 3291]	5271	[2440, 7621]	8600	[2870, 10864]	11929	[3061, 11159]
1943	[3417, 3418]	5272	[7622, 7623]	8601	[10865, 7535]	11930	[7516, 7102]
1944	[3419, 3420]	5273	[3093, 193]	8602	[7582, 5399]	11931	[7157, 12992]
1945	[3421, 1171]	5274	[5894, 6310]	8603	[5662, 2779]	11932	[11578, 7464]
1946	[3422, 3423]	5275	[5400, 5699]	8604	[6215, 6802]	11933	[5702, 12908]
1947	[3424, 3425]	5276	[7624, 717]	8605	[10866, 5694]	11934	[10832, 2874]
1948	[3426, 1497]	5277	[1873, 608]	8606	[693, 6496]	11935	[5847, 5742]
1949	[3427, 3428]	5278	[7625, 2741]	8607	[10867, 2631]	11936	[12993, 763]
1950	[3429, 121]	5279	[6291, 7626]	8608	[10868, 5809]	11937	[5884, 12982]
1951	[3430, 1289]	5280	[7502, 6427]	8609	[10561, 10869]	11938	[6052, 10984]

1952	[3431, 1291]	5281	[6195, 7627]	8610	[2578, 509]	11939	[1926, 35]
1953	[3432, 3433]	5282	[7628, 7629]	8611	[10870, 10333]	11940	[12994, 6156]
1954	[3434, 3435]	5283	[7630, 7631]	8612	[10871, 2474]	11941	[12995, 7227]
1955	[3408, 3436]	5284	[7455, 7632]	8613	[10872, 2576]	11942	[10870, 12986]
1956	[3437, 3438]	5285	[6238, 7633]	8614	[10873, 7428]	11943	[5417, 11098]
1957	[3439, 3440]	5286	[5485, 848]	8615	[10393, 10874]	11944	[7436, 5890]
1958	[3441, 3442]	5287	[247, 7634]	8616	[7087, 2178]	11945	[2072, 6846]
1959	[3443, 3444]	5288	[7635, 3108]	8617	[6816, 5941]	11946	[6631, 11484]
1960	[3445, 3446]	5289	[7636, 5798]	8618	[2967, 7449]	11947	[1955, 12996]
1961	[3447, 490]	5290	[7637, 7366]	8619	[7573, 3033]	11948	[12997, 12998]
1962	[3448, 3449]	5291	[7638, 6951]	8620	[10408, 10875]	11949	[7033, 6314]
1963	[102, 3450]	5292	[7001, 5542]	8621	[10810, 892]	11950	[10282, 6407]
1964	[3451, 453]	5293	[7639, 7640]	8622	[6325, 10876]	11951	[11344, 6324]
1965	[3452, 102]	5294	[2816, 7641]	8623	[10877, 10878]	11952	[11519, 12999]
1966	[3453, 3454]	5295	[7642, 3157]	8624	[2727, 10256]	11953	[795, 13000]
1967	[3455, 3456]	5296	[2306, 7531]	8625	[10879, 7059]	11954	[13001, 13002]
1968	[3224, 1509]	5297	[6256, 7643]	8626	[10880, 781]	11955	[2548, 11206]
1969	[3457, 3458]	5298	[7644, 7645]	8627	[6175, 922]	11956	[10872, 7180]
1970	[3459, 3460]	5299	[5998, 133]	8628	[10826, 2038]	11957	[13003, 13004]
1971	[3461, 3462]	5300	[7646, 7647]	8629	[6635, 5839]	11958	[11294, 645]
1972	[3463, 3464]	5301	[6206, 1858]	8630	[7357, 6624]	11959	[6380, 11474]
1973	[1626, 3465]	5302	[7648, 5864]	8631	[10580, 10514]	11960	[13005, 13006]
1974	[1628, 3466]	5303	[7649, 7311]	8632	[10881, 10882]	11961	[11555, 13007]
1975	[6, 3467]	5304	[7650, 7651]	8633	[7090, 5613]	11962	[604, 2700]
1976	[3468, 3469]	5305	[2337, 656]	8634	[7631, 603]	11963	[13008, 7357]
1977	[3470, 3471]	5306	[2236, 720]	8635	[2987, 10883]	11964	[6313, 11411]
1978	[3472, 1118]	5307	[7652, 7653]	8636	[2570, 5437]	11965	[11593, 6382]
1979	[3473, 3474]	5308	[7654, 6898]	8637	[10884, 10885]	11966	[835, 865]
1980	[1782, 3475]	5309	[7655, 5560]	8638	[10886, 10]	11967	[10830, 12923]
1981	[3476, 1000]	5310	[7656, 7657]	8639	[10887, 10888]	11968	[6107, 13009]
1982	[3477, 3478]	5311	[7658, 7659]	8640	[6832, 10155]	11969	[10998, 5846]
1983	[3479, 3480]	5312	[7660, 7661]	8641	[6071, 681]	11970	[10775, 6867]
1984	[3481, 3482]	5313	[7662, 7663]	8642	[10889, 7496]	11971	[10746, 3025]
1985	[3483, 3484]	5314	[7664, 7665]	8643	[2703, 2018]	11972	[7472, 7505]
1986	[3485, 3486]	5315	[7666, 7667]	8644	[7498, 2221]	11973	[6881, 6270]
1987	[3487, 3488]	5316	[7668, 7669]	8645	[6244, 5470]	11974	[709, 6693]
1988	[3489, 3490]	5317	[7670, 4901]	8646	[10890, 536]	11975	[5526, 13010]
1989	[3491, 1260]	5318	[7671, 3566]	8647	[6965, 141]	11976	[12949, 11504]
1990	[3492, 3493]	5319	[7672, 7673]	8648	[10891, 7186]	11977	[11395, 5965]
1991	[3494, 3495]	5320	[7674, 1130]	8649	[6117, 628]	11978	[11401, 12906]
1992	[3496, 3497]	5321	[7675, 7676]	8650	[2733, 10170]	11979	[2107, 6651]
1993	[3498, 3499]	5322	[7677, 7669]	8651	[10892, 3182]	11980	[6822, 249]
1994	[3500, 3501]	5323	[7678, 7679]	8652	[5936, 6084]	11981	[10745, 2345]
1995	[406, 3451]	5324	[7680, 7681]	8653	[10893, 10894]	11982	[13011, 2188]

1996	[3502, 1151]	5325	[7682, 7683]	8654	[10895, 10667]	11983	[10597, 6814]
1997	[3503, 3504]	5326	[5305, 7684]	8655	[10896, 10897]	11984	[11648, 13012]
1998	[3505, 3506]	5327	[7685, 7686]	8656	[10898, 10539]	11985	[13013, 7542]
1999	[3507, 3508]	5328	[7687, 7688]	8657	[10899, 2727]	11986	[10642, 11681]
2000	[1095, 280]	5329	[7689, 7690]	8658	[10158, 837]	11987	[2772, 5378]
2001	[3509, 3510]	5330	[4364, 7691]	8659	[10900, 10901]	11988	[12942, 2629]
2002	[3511, 3512]	5331	[7692, 4656]	8660	[7235, 925]	11989	[2352, 666]
2003	[3513, 3514]	5332	[7693, 7694]	8661	[10902, 6522]	11990	[5939, 5736]
2004	[3515, 3516]	5333	[3410, 7695]	8662	[6328, 6602]	11991	[6753, 13014]
2005	[3517, 1395]	5334	[7696, 1147]	8663	[10903, 7108]	11992	[11166, 11652]
2006	[380, 3518]	5335	[7697, 7698]	8664	[7054, 130]	11993	[7005, 10321]
2007	[3519, 352]	5336	[7699, 7700]	8665	[10904, 10905]	11994	[10523, 7126]
2008	[3520, 3521]	5337	[7701, 7702]	8666	[10906, 10907]	11995	[2695, 11518]
2009	[3522, 1713]	5338	[7703, 7704]	8667	[10908, 5664]	11996	[2986, 950]
2010	[3523, 3524]	5339	[3641, 7705]	8668	[2793, 10909]	11997	[13015, 759]
2011	[3525, 3526]	5340	[966, 4616]	8669	[5638, 10910]	11998	[5596, 13016]
2012	[3527, 1439]	5341	[7706, 1210]	8670	[10785, 10911]	11999	[2019, 6401]
2013	[3528, 3454]	5342	[7707, 3892]	8671	[6318, 10912]	12000	[10432, 597]
2014	[3529, 3530]	5343	[7708, 4625]	8672	[10913, 2639]	12001	[10457, 712]
2015	[3531, 3532]	5344	[4690, 4613]	8673	[10712, 10914]	12002	[6856, 2546]
2016	[3533, 3534]	5345	[7709, 7710]	8674	[2322, 1918]	12003	[7178, 12931]
2017	[3535, 1077]	5346	[110, 1783]	8675	[6792, 10915]	12004	[10781, 12907]
2018	[3536, 3537]	5347	[7711, 7712]	8676	[6240, 10916]	12005	[6267, 2263]
2019	[1037, 3538]	5348	[3354, 7713]	8677	[2118, 10917]	12006	[7137, 10958]
2020	[3539, 3540]	5349	[5268, 7714]	8678	[10918, 6953]	12007	[235, 5645]
2021	[3541, 117]	5350	[7715, 7716]	8679	[918, 5676]	12008	[6429, 2988]
2022	[492, 3542]	5351	[7717, 4908]	8680	[10156, 1996]	12009	[10403, 6812]
2023	[494, 3543]	5352	[5154, 4043]	8681	[2839, 10919]	12010	[13017, 192]
2024	[3544, 3545]	5353	[7718, 100]	8682	[819, 5431]	12011	[10903, 804]
2025	[3546, 3547]	5354	[7719, 7720]	8683	[10920, 10921]	12012	[2738, 5900]
2026	[3548, 3549]	5355	[7721, 7722]	8684	[2192, 5732]	12013	[10678, 5777]
2027	[1199, 1729]	5356	[7723, 7724]	8685	[10922, 10820]	12014	[11417, 7421]
2028	[1795, 3550]	5357	[7725, 3306]	8686	[10923, 5747]	12015	[5481, 2380]
2029	[3551, 3552]	5358	[7726, 4644]	8687	[10924, 2311]	12016	[5352, 13018]
2030	[3553, 3554]	5359	[7727, 7709]	8688	[556, 10247]	12017	[6861, 6072]
2031	[3555, 3556]	5360	[7728, 7729]	8689	[10194, 7244]	12018	[10808, 5994]
2032	[3557, 3558]	5361	[7730, 7731]	8690	[10925, 10926]	12019	[10933, 12917]
2033	[3559, 111]	5362	[7732, 3403]	8691	[2180, 10534]	12020	[12994, 2156]
2034	[3560, 3561]	5363	[7733, 7734]	8692	[10927, 10928]	12021	[6844, 10232]
2035	[3562, 3563]	5364	[7735, 5186]	8693	[10929, 1916]	12022	[6949, 11028]
2036	[3564, 341]	5365	[7736, 7737]	8694	[5924, 10930]	12023	[7226, 13019]
2037	[3565, 3566]	5366	[387, 4529]	8695	[10931, 1880]	12024	[2266, 5656]
2038	[3567, 3568]	5367	[7738, 7739]	8696	[2090, 7043]	12025	[10420, 2240]
2039	[3569, 3570]	5368	[7740, 3262]	8697	[10932, 5915]	12026	[11455, 11039]

2040	[3571, 3572]	5369	[7741, 1821]	8698	[10933, 10934]	12027	[5791, 7023]
2041	[3573, 3574]	5370	[7742, 7743]	8699	[5525, 10935]	12028	[6969, 13020]
2042	[3575, 3576]	5371	[7744, 3422]	8700	[7508, 10583]	12029	[10172, 5513]
2043	[3577, 3578]	5372	[7745, 1251]	8701	[6546, 7022]	12030	[10927, 5571]
2044	[3579, 3580]	5373	[3690, 5274]	8702	[10936, 10937]	12031	[13021, 2618]
2045	[70, 3552]	5374	[7746, 7747]	8703	[10938, 869]	12032	[1836, 10224]
2046	[3581, 3582]	5375	[3279, 1684]	8704	[10939, 6609]	12033	[6935, 5936]
2047	[3583, 3584]	5376	[7748, 7749]	8705	[2506, 5869]	12034	[3075, 2809]
2048	[3585, 3506]	5377	[118, 410]	8706	[10940, 10941]	12035	[13022, 1844]
2049	[3586, 3587]	5378	[7750, 5268]	8707	[7474, 1984]	12036	[7348, 13023]
2050	[1118, 3588]	5379	[7751, 7752]	8708	[7495, 10942]	12037	[1979, 44]
2051	[3589, 3590]	5380	[1646, 4470]	8709	[907, 3172]	12038	[6865, 6065]
2052	[3591, 3592]	5381	[7753, 3489]	8710	[10943, 5526]	12039	[11012, 5609]
2053	[3593, 3594]	5382	[7754, 5275]	8711	[10940, 10944]	12040	[6433, 5652]
2054	[3595, 3596]	5383	[7755, 7756]	8712	[10945, 10946]	12041	[7635, 10742]
2055	[3597, 1072]	5384	[7757, 4709]	8713	[10497, 10947]	12042	[11436, 6279]
2056	[3598, 3599]	5385	[7758, 7759]	8714	[1934, 2817]	12043	[7280, 897]
2057	[3600, 3601]	5386	[7722, 3984]	8715	[6778, 10948]	12044	[10984, 10651]
2058	[3602, 3603]	5387	[7760, 7761]	8716	[10949, 7209]	12045	[6841, 6580]
2059	[3604, 3605]	5388	[7762, 7763]	8717	[10950, 598]	12046	[2100, 6240]
2060	[3606, 63]	5389	[7764, 7765]	8718	[10951, 2736]	12047	[11587, 7342]
2061	[3607, 3608]	5390	[1353, 4271]	8719	[2125, 7385]	12048	[3099, 2303]
2062	[3609, 1494]	5391	[4908, 3509]	8720	[10952, 6091]	12049	[10671, 10316]
2063	[3610, 474]	5392	[7766, 1031]	8721	[10482, 696]	12050	[6837, 13024]
2064	[3611, 3612]	5393	[7767, 74]	8722	[5566, 5870]	12051	[10867, 565]
2065	[3613, 3614]	5394	[7768, 4218]	8723	[10953, 10867]	12052	[51, 2994]
2066	[3615, 3616]	5395	[7769, 3278]	8724	[7382, 6585]	12053	[11278, 5719]
2067	[3617, 3618]	5396	[7770, 7771]	8725	[10405, 10954]	12054	[2749, 2704]
2068	[3619, 3620]	5397	[7772, 7773]	8726	[2903, 10955]	12055	[55, 6697]
2069	[3621, 3622]	5398	[7774, 4332]	8727	[2174, 10956]	12056	[6274, 13025]
2070	[3623, 3624]	5399	[7775, 3683]	8728	[10957, 6762]	12057	[7450, 7468]
2071	[3625, 3626]	5400	[1275, 7776]	8729	[2925, 10958]	12058	[7297, 1976]
2072	[3627, 3628]	5401	[5016, 7777]	8730	[10959, 703]	12059	[2965, 13026]
2073	[3629, 1760]	5402	[7778, 1659]	8731	[1845, 2431]	12060	[10204, 7539]
2074	[3630, 332]	5403	[7779, 7780]	8732	[5762, 10960]	12061	[13027, 5767]
2075	[1695, 3631]	5404	[7781, 4407]	8733	[10779, 10961]	12062	[10884, 12939]
2076	[3632, 3633]	5405	[4339, 7782]	8734	[10962, 10963]	12063	[2638, 11383]
2077	[3634, 3635]	5406	[7783, 7784]	8735	[10964, 7369]	12064	[13028, 12919]
2078	[3636, 995]	5407	[7785, 1199]	8736	[7600, 3080]	12065	[7609, 6889]
2079	[3637, 498]	5408	[7786, 7787]	8737	[10965, 5993]	12066	[2528, 1979]
2080	[3638, 3639]	5409	[7788, 7789]	8738	[10966, 10967]	12067	[5414, 7004]
2081	[3640, 3641]	5410	[7790, 1649]	8739	[6401, 5588]	12068	[6372, 6166]
2082	[3642, 3643]	5411	[7791, 4703]	8740	[10968, 10969]	12069	[2821, 6681]
2083	[3644, 3645]	5412	[7792, 7793]	8741	[6658, 2396]	12070	[11624, 3085]

2084	[3646, 106]	5413	[7794, 3849]	8742	[10970, 2801]	12071	[12988, 10430]
2085	[3647, 3648]	5414	[7795, 7796]	8743	[7421, 10971]	12072	[6836, 7305]
2086	[3649, 3650]	5415	[7797, 7798]	8744	[10390, 5576]	12073	[10279, 11500]
2087	[3651, 3652]	5416	[7799, 4263]	8745	[2750, 10824]	12074	[13029, 11568]
2088	[3653, 3654]	5417	[7800, 4224]	8746	[10800, 10972]	12075	[6273, 7457]
2089	[3655, 3656]	5418	[7801, 4828]	8747	[7437, 6560]	12076	[13030, 2301]
2090	[3657, 3658]	5419	[7802, 7803]	8748	[6023, 5898]	12077	[834, 10270]
2091	[3659, 3660]	5420	[7804, 5225]	8749	[10973, 5553]	12078	[2496, 12945]
2092	[3661, 3662]	5421	[352, 4349]	8750	[7518, 5574]	12079	[2209, 13031]
2093	[3663, 3664]	5422	[7805, 7806]	8751	[7345, 10974]	12080	[5383, 947]
2094	[3665, 1409]	5423	[4141, 4750]	8752	[5516, 10975]	12081	[6840, 11352]
2095	[3666, 3667]	5424	[7807, 3695]	8753	[5784, 817]	12082	[13032, 10201]
2096	[3668, 3669]	5425	[7808, 7809]	8754	[5379, 10976]	12083	[10429, 6823]
2097	[1177, 3670]	5426	[3648, 7810]	8755	[10923, 2598]	12084	[740, 10688]
2098	[3671, 3672]	5427	[7811, 967]	8756	[6185, 10977]	12085	[11539, 6688]
2099	[3673, 3674]	5428	[996, 7812]	8757	[10978, 10979]	12086	[7158, 5773]
2100	[3675, 3359]	5429	[7813, 1128]	8758	[3056, 10980]	12087	[7143, 10236]
2101	[3676, 3677]	5430	[4619, 7814]	8759	[6563, 2243]	12088	[1962, 6531]
2102	[3678, 3679]	5431	[3857, 3489]	8760	[3152, 6019]	12089	[530, 13000]
2103	[3680, 3681]	5432	[4574, 7815]	8761	[6524, 10981]	12090	[10841, 13033]
2104	[3682, 3683]	5433	[7816, 4595]	8762	[10982, 10983]	12091	[908, 6902]
2105	[3684, 3685]	5434	[7817, 7818]	8763	[10984, 3046]	12092	[5803, 10769]
2106	[1587, 3686]	5435	[3677, 983]	8764	[6929, 6265]	12093	[11084, 6559]
2107	[3687, 3688]	5436	[7819, 7820]	8765	[5365, 10985]	12094	[2977, 6761]
2108	[3689, 3690]	5437	[7821, 5176]	8766	[10986, 6929]	12095	[5827, 2733]
2109	[3691, 3692]	5438	[7822, 7783]	8767	[6930, 6268]	12096	[13029, 6224]
2110	[3693, 3694]	5439	[7823, 493]	8768	[10540, 10987]	12097	[11308, 12964]
2111	[3695, 1018]	5440	[7824, 3268]	8769	[10988, 6934]	12098	[6824, 6198]
2112	[3696, 3697]	5441	[7825, 4573]	8770	[10989, 6265]	12099	[6109, 11646]
2113	[3698, 3699]	5442	[4785, 7826]	8771	[5927, 653]	12100	[10185, 11470]
2114	[3700, 3701]	5443	[7827, 7828]	8772	[2981, 2912]	12101	[10462, 6305]
2115	[3702, 3703]	5444	[3475, 4236]	8773	[5630, 5982]	12102	[2822, 2138]
2116	[3704, 3705]	5445	[7829, 4873]	8774	[10838, 6799]	12103	[6255, 10402]
2117	[3706, 1117]	5446	[7830, 7831]	8775	[10990, 10991]	12104	[13022, 7445]
2118	[3707, 3708]	5447	[7832, 4336]	8776	[10992, 6796]	12105	[7471, 13034]
2119	[3709, 1519]	5448	[4556, 7833]	8777	[10993, 7235]	12106	[12977, 11669]
2120	[3710, 3711]	5449	[7834, 7835]	8778	[10994, 1987]	12107	[2338, 10578]
2121	[3712, 3713]	5450	[7720, 7836]	8779	[10995, 2897]	12108	[2026, 11268]
2122	[3714, 3715]	5451	[7837, 3337]	8780	[5806, 6629]	12109	[5337, 3051]
2123	[3716, 3717]	5452	[3327, 7838]	8781	[10787, 5868]	12110	[13035, 6093]
2124	[3718, 3719]	5453	[7839, 5278]	8782	[1934, 5474]	12111	[2283, 1979]
2125	[3720, 3721]	5454	[442, 7840]	8783	[10996, 5546]	12112	[7063, 1850]
2126	[3722, 3723]	5455	[7765, 7841]	8784	[10997, 2752]	12113	[11641, 11603]
2127	[3724, 3223]	5456	[7842, 969]	8785	[10998, 10999]	12114	[5865, 6006]

2128	[3725, 296]	5457	[7843, 7844]	8786	[11000, 11001]	12115	[7201, 2241]
2129	[3726, 3691]	5458	[7845, 7846]	8787	[2935, 2053]	12116	[13036, 5857]
2130	[3727, 3728]	5459	[7847, 7848]	8788	[7613, 617]	12117	[6640, 5849]
2131	[3729, 1319]	5460	[7849, 483]	8789	[11002, 2012]	12118	[2073, 10738]
2132	[3730, 3731]	5461	[7850, 7851]	8790	[11003, 6288]	12119	[1877, 925]
2133	[3732, 3733]	5462	[4077, 1546]	8791	[11004, 11005]	12120	[13037, 11371]
2134	[3734, 3639]	5463	[7852, 7853]	8792	[925, 11006]	12121	[6593, 10467]
2135	[3735, 3736]	5464	[7854, 7855]	8793	[11007, 2222]	12122	[13038, 2432]
2136	[3737, 1277]	5465	[7856, 1191]	8794	[6645, 2423]	12123	[12959, 11620]
2137	[3738, 3739]	5466	[3282, 5112]	8795	[7617, 11008]	12124	[7154, 13039]
2138	[3740, 3741]	5467	[7857, 5113]	8796	[11009, 11010]	12125	[3086, 13040]
2139	[3273, 3742]	5468	[7858, 360]	8797	[11011, 6162]	12126	[10693, 13041]
2140	[3743, 3744]	5469	[7859, 7763]	8798	[6803, 6485]	12127	[10225, 13042]
2141	[3745, 3746]	5470	[1768, 3642]	8799	[2198, 10307]	12128	[12971, 12974]
2142	[1473, 3698]	5471	[7860, 7861]	8800	[7407, 10380]	12129	[6665, 13043]
2143	[3747, 3748]	5472	[7862, 3316]	8801	[7024, 6250]	12130	[13044, 13045]
2144	[3749, 1746]	5473	[7863, 7864]	8802	[6288, 5383]	12131	[647, 13046]
2145	[3750, 3751]	5474	[3401, 7865]	8803	[11012, 1937]	12132	[6515, 11204]
2146	[3752, 3753]	5475	[1006, 7866]	8804	[11013, 2782]	12133	[7238, 2539]
2147	[3754, 3755]	5476	[7867, 3534]	8805	[11014, 11015]	12134	[11664, 13047]
2148	[3756, 3757]	5477	[7868, 7869]	8806	[3029, 11016]	12135	[7309, 11215]
2149	[3758, 3759]	5478	[7870, 1815]	8807	[11017, 10813]	12136	[509, 7621]
2150	[3760, 3761]	5479	[66, 7871]	8808	[11018, 2213]	12137	[5585, 11494]
2151	[3762, 1222]	5480	[7872, 7873]	8809	[6910, 6642]	12138	[13048, 3170]
2152	[3763, 3764]	5481	[288, 7874]	8810	[6849, 11019]	12139	[10456, 6764]
2153	[3765, 3766]	5482	[7875, 7876]	8811	[6331, 11020]	12140	[5751, 2550]
2154	[1661, 3767]	5483	[5310, 7877]	8812	[11021, 2904]	12141	[5871, 11337]
2155	[3768, 3769]	5484	[7878, 1618]	8813	[10618, 2244]	12142	[13028, 13049]
2156	[3770, 1585]	5485	[7879, 7880]	8814	[11022, 2736]	12143	[1905, 6318]
2157	[3771, 3772]	5486	[286, 7881]	8815	[6271, 519]	12144	[11632, 7148]
2158	[3773, 1238]	5487	[4928, 7882]	8816	[10890, 7439]	12145	[759, 5890]
2159	[3497, 1056]	5488	[7883, 7884]	8817	[6183, 11023]	12146	[5418, 2855]
2160	[3774, 1099]	5489	[7885, 4023]	8818	[2201, 11024]	12147	[748, 13050]
2161	[3518, 3775]	5490	[7886, 1281]	8819	[11025, 6114]	12148	[2855, 6264]
2162	[3776, 3777]	5491	[7887, 3586]	8820	[6730, 10509]	12149	[856, 7360]
2163	[3778, 3779]	5492	[5014, 7888]	8821	[944, 5334]	12150	[7053, 129]
2164	[3780, 3781]	5493	[7889, 7890]	8822	[6776, 11026]	12151	[13051, 13052]
2165	[3782, 3783]	5494	[7891, 3602]	8823	[6168, 6136]	12152	[10675, 10596]
2166	[3784, 3785]	5495	[7892, 7893]	8824	[11027, 11028]	12153	[7023, 2578]
2167	[3786, 3787]	5496	[7894, 7670]	8825	[11029, 7349]	12154	[6086, 12926]
2168	[1247, 1203]	5497	[7895, 1070]	8826	[6868, 10748]	12155	[2260, 11144]
2169	[3788, 3789]	5498	[7896, 4957]	8827	[10636, 6412]	12156	[1964, 13053]
2170	[3790, 3791]	5499	[7897, 7898]	8828	[7651, 1915]	12157	[13054, 5661]
2171	[3792, 3793]	5500	[1770, 1547]	8829	[11030, 11031]	12158	[10407, 2437]

2172	[3794, 82]	5501	[7899, 7900]	8830	[11032, 6723]	12159	[11220, 7045]
2173	[3795, 3796]	5502	[7901, 7902]	8831	[7302, 11033]	12160	[2536, 13055]
2174	[3797, 3798]	5503	[7903, 7904]	8832	[5461, 3110]	12161	[7042, 12952]
2175	[3799, 1295]	5504	[7905, 7906]	8833	[779, 200]	12162	[10559, 6288]
2176	[3800, 3801]	5505	[7907, 7908]	8834	[6419, 6414]	12163	[7084, 13056]
2177	[3802, 6]	5506	[7909, 7910]	8835	[7243, 11034]	12164	[10770, 6548]
2178	[3803, 3804]	5507	[7911, 7912]	8836	[11035, 6169]	12165	[1878, 11006]
2179	[3805, 3806]	5508	[7913, 5165]	8837	[2973, 11036]	12166	[2164, 7293]
2180	[3807, 3808]	5509	[7914, 7915]	8838	[2506, 11037]	12167	[6839, 3157]
2181	[3809, 3810]	5510	[4595, 4439]	8839	[11038, 11039]	12168	[7423, 6752]
2182	[3811, 3812]	5511	[7916, 7917]	8840	[11040, 11041]	12169	[6670, 13057]
2183	[3813, 110]	5512	[7918, 3352]	8841	[6960, 2757]	12170	[13058, 929]
2184	[3814, 3368]	5513	[7919, 1530]	8842	[11042, 749]	12171	[7528, 668]
2185	[3815, 3816]	5514	[7920, 7921]	8843	[11043, 2083]	12172	[10920, 846]
2186	[3817, 3818]	5515	[4261, 1549]	8844	[7459, 7384]	12173	[11583, 11378]
2187	[3819, 1715]	5516	[7922, 3669]	8845	[11044, 11045]	12174	[5995, 10826]
2188	[3820, 3821]	5517	[4906, 7923]	8846	[6191, 11046]	12175	[7564, 10244]
2189	[3822, 3823]	5518	[7924, 3328]	8847	[7606, 11047]	12176	[2062, 11535]
2190	[3824, 3825]	5519	[5150, 7925]	8848	[7640, 11048]	12177	[7575, 11041]
2191	[3826, 3827]	5520	[7926, 1751]	8849	[6762, 11049]	12178	[233, 5958]
2192	[3828, 3829]	5521	[7927, 1504]	8850	[2789, 7627]	12179	[10315, 10672]
2193	[3830, 3831]	5522	[7928, 1763]	8851	[10447, 6851]	12180	[5709, 5409]
2194	[3832, 3833]	5523	[7929, 7930]	8852	[10324, 11050]	12181	[11420, 2523]
2195	[3834, 3835]	5524	[7931, 4877]	8853	[6770, 11051]	12182	[662, 5399]
2196	[3836, 3837]	5525	[7932, 7933]	8854	[862, 5734]	12183	[5750, 916]
2197	[3838, 3839]	5526	[7934, 7935]	8855	[6698, 794]	12184	[13011, 2565]
2198	[3840, 3841]	5527	[7936, 1228]	8856	[11052, 10731]	12185	[2732, 10914]
2199	[3842, 3843]	5528	[7937, 7838]	8857	[6374, 791]	12186	[875, 11168]
2200	[3844, 3845]	5529	[7938, 7939]	8858	[5598, 6967]	12187	[11302, 2420]
2201	[3846, 3847]	5530	[7940, 7941]	8859	[10494, 11053]	12188	[10443, 2932]
2202	[3848, 3849]	5531	[7942, 4141]	8860	[11054, 7334]	12189	[10887, 1823]
2203	[3850, 3851]	5532	[7943, 7944]	8861	[10630, 11055]	12190	[7550, 1980]
2204	[3852, 72]	5533	[3592, 375]	8862	[5558, 6507]	12191	[13017, 3093]
2205	[1432, 3853]	5534	[7945, 7946]	8863	[5831, 11056]	12192	[7351, 2540]
2206	[3854, 3855]	5535	[7947, 1806]	8864	[2981, 10908]	12193	[11129, 556]
2207	[3856, 3857]	5536	[7948, 7949]	8865	[5801, 11057]	12194	[11070, 10457]
2208	[3858, 3859]	5537	[7950, 3398]	8866	[6480, 3048]	12195	[11326, 630]
2209	[3860, 3861]	5538	[7951, 7952]	8867	[860, 2709]	12196	[45, 2038]
2210	[3862, 3863]	5539	[3801, 4699]	8868	[11058, 5945]	12197	[768, 2569]
2211	[3864, 1577]	5540	[7953, 7954]	8869	[6586, 11059]	12198	[11635, 11671]
2212	[3865, 3866]	5541	[5230, 3216]	8870	[10415, 5518]	12199	[11032, 1933]
2213	[3867, 1363]	5542	[1715, 4258]	8871	[10251, 2370]	12200	[3023, 2358]
2214	[3703, 3846]	5543	[7955, 4260]	8872	[2597, 631]	12201	[203, 11468]
2215	[3868, 3712]	5544	[7956, 3360]	8873	[2280, 3198]	12202	[2219, 11083]

2216	[3869, 3870]	5545	[1551, 3810]	8874	[10301, 7366]	12203	[11064, 7444]
2217	[3871, 3495]	5546	[7957, 7958]	8875	[2524, 5817]	12204	[6621, 7109]
2218	[3872, 3638]	5547	[7959, 7960]	8876	[11060, 2801]	12205	[7142, 7014]
2219	[3873, 3281]	5548	[7961, 7962]	8877	[2755, 5916]	12206	[13059, 5747]
2220	[3764, 3624]	5549	[7963, 7964]	8878	[6689, 5920]	12207	[5504, 5318]
2221	[3874, 1784]	5550	[7965, 7958]	8879	[7075, 7521]	12208	[5630, 7394]
2222	[3875, 3876]	5551	[7966, 4639]	8880	[2901, 6339]	12209	[10246, 11435]
2223	[3877, 3878]	5552	[1067, 1155]	8881	[11061, 6447]	12210	[10468, 6217]
2224	[3879, 3880]	5553	[5183, 3547]	8882	[6282, 11062]	12211	[6600, 11486]
2225	[3881, 3882]	5554	[3335, 3280]	8883	[6601, 2937]	12212	[6997, 11328]
2226	[3883, 1490]	5555	[7967, 1606]	8884	[746, 11063]	12213	[5450, 13060]
2227	[3884, 3885]	5556	[7968, 7969]	8885	[7060, 10842]	12214	[11409, 2423]
2228	[325, 3886]	5557	[7970, 1220]	8886	[5922, 7208]	12215	[2562, 6097]
2229	[3887, 3888]	5558	[7971, 4816]	8887	[11064, 6032]	12216	[13058, 867]
2230	[3889, 3890]	5559	[7972, 4894]	8888	[7094, 11065]	12217	[7119, 10452]
2231	[3891, 3892]	5560	[7973, 1500]	8889	[11066, 10614]	12218	[11376, 11193]
2232	[3893, 3894]	5561	[7974, 4242]	8890	[11067, 11068]	12219	[11180, 2543]
2233	[3895, 3896]	5562	[7975, 7976]	8891	[600, 2490]	12220	[11254, 2197]
2234	[3897, 3898]	5563	[7977, 3483]	8892	[6771, 3160]	12221	[607, 13061]
2235	[3899, 3900]	5564	[7978, 4029]	8893	[11069, 10347]	12222	[10529, 11100]
2236	[3901, 3902]	5565	[7826, 7720]	8894	[11070, 5605]	12223	[531, 13062]
2237	[3903, 3904]	5566	[3912, 7979]	8895	[7457, 11071]	12224	[10416, 2929]
2238	[3905, 1458]	5567	[7980, 1125]	8896	[11072, 10752]	12225	[5992, 10489]
2239	[3906, 3907]	5568	[7981, 7982]	8897	[11073, 655]	12226	[13063, 7097]
2240	[3908, 3508]	5569	[7983, 4727]	8898	[2890, 11074]	12227	[11265, 2781]
2241	[1525, 3909]	5570	[7984, 7985]	8899	[950, 10883]	12228	[7351, 893]
2242	[3910, 1755]	5571	[7986, 7987]	8900	[5982, 7395]	12229	[2175, 860]
2243	[3674, 81]	5572	[7988, 3470]	8901	[11075, 10847]	12230	[2349, 7195]
2244	[3911, 3912]	5573	[7989, 7990]	8902	[11076, 11077]	12231	[610, 7405]
2245	[3913, 3914]	5574	[7991, 3679]	8903	[6740, 7491]	12232	[11042, 10601]
2246	[3915, 3916]	5575	[7992, 5307]	8904	[2061, 7189]	12233	[11668, 12978]
2247	[3917, 3918]	5576	[7993, 4239]	8905	[11078, 836]	12234	[10953, 2630]
2248	[3919, 3920]	5577	[7994, 1541]	8906	[10373, 6335]	12235	[59, 13064]
2249	[1342, 3921]	5578	[7995, 7902]	8907	[3136, 10461]	12236	[2415, 10454]
2250	[3922, 3923]	5579	[7996, 7997]	8908	[5822, 5635]	12237	[5818, 10306]
2251	[3924, 3923]	5580	[7998, 1448]	8909	[5672, 3204]	12238	[6754, 13065]
2252	[3925, 3926]	5581	[7999, 4398]	8910	[10309, 2921]	12239	[6657, 2908]
2253	[3927, 3928]	5582	[8000, 1509]	8911	[10187, 11079]	12240	[6580, 11322]
2254	[3929, 3930]	5583	[5160, 8001]	8912	[6387, 10696]	12241	[13066, 10541]
2255	[3931, 1390]	5584	[8002, 8003]	8913	[11080, 11081]	12242	[13067, 7597]
2256	[3660, 3932]	5585	[1412, 8004]	8914	[6802, 11082]	12243	[13068, 10400]
2257	[3933, 3934]	5586	[3731, 8005]	8915	[2153, 11083]	12244	[13069, 11537]
2258	[3935, 3936]	5587	[8006, 8007]	8916	[11084, 7437]	12245	[10216, 6916]
2259	[3937, 3277]	5588	[8008, 4166]	8917	[6389, 6504]	12246	[5701, 13]

2260	[3938, 3939]	5589	[8009, 3961]	8918	[2595, 6530]	12247	[11222, 3128]
2261	[1737, 3940]	5590	[8010, 8011]	8919	[11085, 715]	12248	[11155, 6873]
2262	[3941, 1452]	5591	[8012, 3222]	8920	[6235, 6776]	12249	[10758, 13070]
2263	[3942, 3943]	5592	[3894, 8013]	8921	[1925, 1888]	12250	[10517, 2020]
2264	[3944, 3945]	5593	[3514, 4209]	8922	[2068, 2147]	12251	[12925, 1940]
2265	[3946, 3947]	5594	[8014, 7812]	8923	[2150, 11086]	12252	[13071, 6386]
2266	[3948, 3949]	5595	[4129, 8015]	8924	[11087, 11088]	12253	[13067, 11454]
2267	[3950, 3515]	5596	[8016, 8017]	8925	[10341, 2068]	12254	[13069, 10946]
2268	[3951, 3952]	5597	[8018, 8019]	8926	[6914, 6860]	12255	[11548, 13072]
2269	[3953, 3954]	5598	[8020, 3687]	8927	[5935, 1899]	12256	[10510, 2475]
2270	[1514, 3955]	5599	[8021, 8022]	8928	[2288, 11089]	12257	[5937, 5568]
2271	[3956, 3957]	5600	[8023, 5233]	8929	[872, 7632]	12258	[11590, 832]
2272	[3958, 3959]	5601	[8024, 8025]	8930	[2678, 2322]	12259	[2985, 10630]
2273	[3960, 3961]	5602	[8026, 8027]	8931	[10212, 11090]	12260	[624, 176]
2274	[3962, 3963]	5603	[8028, 3504]	8932	[6855, 5912]	12261	[7481, 11618]
2275	[3964, 329]	5604	[8029, 388]	8933	[11091, 6400]	12262	[13073, 11553]
2276	[3965, 5]	5605	[8030, 3213]	8934	[11092, 2873]	12263	[13074, 11079]
2277	[3966, 3967]	5606	[8031, 1543]	8935	[1860, 1992]	12264	[5363, 13007]
2278	[3968, 3969]	5607	[8032, 3858]	8936	[2930, 11093]	12265	[11009, 7326]
2279	[3970, 3971]	5608	[8033, 8034]	8937	[2149, 11094]	12266	[12918, 13049]
2280	[3972, 3374]	5609	[1755, 8035]	8938	[6618, 7197]	12267	[6269, 10353]
2281	[3973, 3974]	5610	[8036, 3466]	8939	[11095, 783]	12268	[7585, 13075]
2282	[3975, 478]	5611	[8037, 8038]	8940	[2192, 959]	12269	[5320, 13076]
2283	[3976, 3977]	5612	[8039, 5035]	8941	[6018, 5660]	12270	[11428, 13077]
2284	[3978, 3979]	5613	[8040, 8041]	8942	[10258, 11077]	12271	[6874, 6253]
2285	[3980, 402]	5614	[8042, 1811]	8943	[7222, 11096]	12272	[2028, 6445]
2286	[3981, 3982]	5615	[8043, 8044]	8944	[2177, 5539]	12273	[13078, 10715]
2287	[3983, 3984]	5616	[8045, 3258]	8945	[10924, 5811]	12274	[2945, 13079]
2288	[3985, 3986]	5617	[8046, 8047]	8946	[10233, 2114]	12275	[3175, 13072]
2289	[3987, 418]	5618	[8048, 7953]	8947	[1911, 10916]	12276	[5471, 11538]
2290	[3988, 3989]	5619	[8049, 353]	8948	[10590, 2188]	12277	[2911, 10908]
2291	[3990, 3991]	5620	[312, 4352]	8949	[6684, 11097]	12278	[12955, 11249]
2292	[3992, 3993]	5621	[4899, 1584]	8950	[537, 1867]	12279	[10359, 2354]
2293	[3994, 3995]	5622	[1376, 8050]	8951	[3021, 10912]	12280	[10732, 3003]
2294	[3996, 3997]	5623	[8051, 5113]	8952	[11098, 2045]	12281	[13015, 7436]
2295	[3998, 3999]	5624	[7803, 8052]	8953	[11099, 10533]	12282	[2786, 7113]
2296	[4000, 4001]	5625	[8053, 7948]	8954	[10826, 46]	12283	[2131, 873]
2297	[1251, 3880]	5626	[4172, 8054]	8955	[1928, 11100]	12284	[2410, 6653]
2298	[4002, 4003]	5627	[8055, 1682]	8956	[11101, 505]	12285	[2674, 13080]
2299	[4004, 4005]	5628	[290, 8056]	8957	[6329, 11102]	12286	[12913, 6206]
2300	[280, 3464]	5629	[8057, 4319]	8958	[7122, 11103]	12287	[163, 7240]
2301	[4006, 4007]	5630	[3532, 8058]	8959	[10954, 2532]	12288	[13081, 6513]
2302	[4008, 4009]	5631	[8059, 8060]	8960	[11054, 11104]	12289	[2165, 11148]
2303	[4010, 4011]	5632	[8061, 284]	8961	[2509, 6835]	12290	[10557, 5918]

2304	[4012, 3530]	5633	[8062, 8063]	8962	[5716, 7446]	12291	[13082, 7160]
2305	[4013, 4014]	5634	[8064, 8065]	8963	[10993, 1877]	12292	[680, 3115]
2306	[4015, 1382]	5635	[8066, 8067]	8964	[7611, 10622]	12293	[7327, 11068]
2307	[1657, 4016]	5636	[3552, 3977]	8965	[11105, 11106]	12294	[5534, 11375]
2308	[1659, 4017]	5637	[8068, 8069]	8966	[6274, 11071]	12295	[11499, 5985]
2309	[3425, 4018]	5638	[8070, 8071]	8967	[6066, 7631]	12296	[5945, 6578]
2310	[4019, 3670]	5639	[8072, 4497]	8968	[6664, 10580]	12297	[11349, 13083]
2311	[4020, 4021]	5640	[4789, 8073]	8969	[11107, 7211]	12298	[10159, 838]
2312	[4022, 4023]	5641	[8074, 5053]	8970	[6970, 11108]	12299	[6421, 6342]
2313	[4024, 4025]	5642	[8075, 5030]	8971	[6040, 2393]	12300	[900, 13020]
2314	[1330, 3310]	5643	[8076, 8077]	8972	[11109, 11110]	12301	[11201, 13047]
2315	[4026, 4027]	5644	[1705, 5151]	8973	[2794, 6486]	12302	[11358, 6678]
2316	[3482, 4028]	5645	[8078, 8079]	8974	[811, 5544]	12303	[10784, 10479]
2317	[4029, 79]	5646	[8080, 1307]	8975	[741, 7099]	12304	[11602, 10513]
2318	[4030, 4031]	5647	[8081, 7787]	8976	[2937, 5967]	12305	[10304, 5497]
2319	[4032, 1427]	5648	[4806, 8082]	8977	[6493, 5419]	12306	[6479, 580]
2320	[4033, 4034]	5649	[8083, 8084]	8978	[7570, 2692]	12307	[13084, 7078]
2321	[4035, 1157]	5650	[8085, 7872]	8979	[11111, 5813]	12308	[11683, 552]
2322	[1680, 4036]	5651	[8086, 288]	8980	[3201, 11112]	12309	[251, 11667]
2323	[4037, 4038]	5652	[8087, 8088]	8981	[6325, 6572]	12310	[10165, 11005]
2324	[3338, 4039]	5653	[8089, 4136]	8982	[11113, 11114]	12311	[2899, 13010]
2325	[3235, 4040]	5654	[8090, 3627]	8983	[2854, 3166]	12312	[13063, 13085]
2326	[1713, 4041]	5655	[8091, 8092]	8984	[10987, 6927]	12313	[2617, 5434]
2327	[4042, 4043]	5656	[8093, 4380]	8985	[3112, 10901]	12314	[11572, 1829]
2328	[4044, 4045]	5657	[8094, 339]	8986	[11115, 6325]	12315	[7542, 7539]
2329	[400, 3578]	5658	[1807, 4423]	8987	[5644, 10674]	12316	[10725, 11252]
2330	[4046, 4047]	5659	[8095, 8096]	8988	[5904, 5825]	12317	[10965, 10489]
2331	[4048, 1453]	5660	[8097, 8098]	8989	[10813, 6170]	12318	[565, 6463]
2332	[3340, 4049]	5661	[8099, 1719]	8990	[11116, 1937]	12319	[11137, 6746]
2333	[4050, 4051]	5662	[3926, 5181]	8991	[3026, 11117]	12320	[2516, 11565]
2334	[1581, 4052]	5663	[1171, 1409]	8992	[11118, 11119]	12321	[7182, 6351]
2335	[3870, 4053]	5664	[4910, 1722]	8993	[11120, 840]	12322	[6375, 6422]
2336	[4054, 26]	5665	[4186, 8100]	8994	[6028, 11121]	12323	[7344, 2098]
2337	[327, 1527]	5666	[8101, 3608]	8995	[5808, 6742]	12324	[839, 11629]
2338	[4055, 3662]	5667	[8102, 4909]	8996	[10997, 5841]	12325	[2511, 7481]
2339	[4056, 4057]	5668	[8103, 4061]	8997	[2064, 11122]	12326	[13086, 3135]
2340	[4058, 4059]	5669	[3656, 8104]	8998	[11123, 11124]	12327	[13087, 13088]
2341	[4060, 4061]	5670	[8105, 8106]	8999	[6874, 10495]	12328	[6084, 5568]
2342	[4062, 3715]	5671	[7743, 4457]	9000	[11125, 11126]	12329	[11665, 5431]
2343	[4063, 4064]	5672	[8107, 8108]	9001	[169, 11127]	12330	[6668, 11350]
2344	[4065, 4066]	5673	[8109, 3449]	9002	[5884, 6498]	12331	[13089, 12937]
2345	[4067, 4068]	5674	[8110, 8111]	9003	[11128, 5320]	12332	[10208, 1950]
2346	[4069, 3516]	5675	[8112, 3592]	9004	[11129, 10246]	12333	[7604, 13076]
2347	[4070, 4071]	5676	[1742, 5273]	9005	[6024, 7655]	12334	[10388, 13090]

2348	[4007, 3300]	5677	[4017, 8113]	9006	[11130, 6074]	12335	[2573, 6601]
2349	[4072, 4073]	5678	[8114, 5096]	9007	[1978, 11069]	12336	[10829, 640]
2350	[4074, 4075]	5679	[7969, 8055]	9008	[11131, 2155]	12337	[11342, 10545]
2351	[4076, 4077]	5680	[8115, 393]	9009	[10572, 11132]	12338	[13091, 10665]
2352	[4078, 4079]	5681	[4767, 8116]	9010	[2559, 2553]	12339	[10889, 10942]
2353	[3791, 4080]	5682	[8117, 496]	9011	[563, 6554]	12340	[11475, 6330]
2354	[4081, 4082]	5683	[8118, 1325]	9012	[11133, 10967]	12341	[11052, 3188]
2355	[4083, 4084]	5684	[8119, 3858]	9013	[7026, 6465]	12342	[12957, 7052]
2356	[4085, 4086]	5685	[8120, 8121]	9014	[6444, 2029]	12343	[3146, 148]
2357	[4087, 3614]	5686	[8122, 5018]	9015	[2619, 11134]	12344	[7299, 3067]
2358	[4088, 4089]	5687	[8123, 4825]	9016	[10879, 5527]	12345	[13084, 10726]
2359	[4090, 4091]	5688	[1497, 8124]	9017	[11135, 2261]	12346	[2311, 10443]
2360	[1004, 1052]	5689	[8125, 1017]	9018	[7396, 10641]	12347	[11257, 729]
2361	[4092, 4093]	5690	[8126, 8127]	9019	[11136, 10213]	12348	[13092, 10878]
2362	[4094, 1678]	5691	[1761, 8120]	9020	[11137, 746]	12349	[11264, 6070]
2363	[4095, 4096]	5692	[385, 8128]	9021	[11138, 7478]	12350	[2408, 10910]
2364	[4097, 4098]	5693	[8129, 4919]	9022	[7190, 11139]	12351	[6303, 2711]
2365	[4099, 4100]	5694	[8130, 8131]	9023	[11140, 7620]	12352	[6485, 6753]
2366	[4101, 4102]	5695	[8132, 8133]	9024	[2839, 7260]	12353	[5469, 11096]
2367	[4103, 1249]	5696	[8134, 8135]	9025	[11041, 2675]	12354	[11171, 10882]
2368	[1132, 4104]	5697	[8136, 19]	9026	[6351, 10193]	12355	[10973, 2007]
2369	[4105, 4106]	5698	[8137, 8138]	9027	[7532, 944]	12356	[10167, 5372]
2370	[4107, 4108]	5699	[1277, 1720]	9028	[1850, 6179]	12357	[10798, 11146]
2371	[4109, 392]	5700	[8139, 7948]	9029	[7271, 6775]	12358	[6556, 7083]
2372	[4110, 1477]	5701	[5177, 8140]	9030	[11141, 2727]	12359	[13044, 6451]
2373	[4111, 3783]	5702	[8141, 8142]	9031	[903, 11142]	12360	[7176, 11053]
2374	[4112, 1086]	5703	[4346, 8143]	9032	[5471, 2082]	12361	[142, 3168]
2375	[4113, 4114]	5704	[8144, 3699]	9033	[11143, 5873]	12362	[5962, 12991]
2376	[4115, 4116]	5705	[8145, 8146]	9034	[6195, 10334]	12363	[11145, 7095]
2377	[4117, 4118]	5706	[8147, 8148]	9035	[10936, 10445]	12364	[5502, 7320]
2378	[4119, 4120]	5707	[8149, 4519]	9036	[7034, 2]	12365	[911, 13061]
2379	[4121, 3684]	5708	[8150, 1556]	9037	[11135, 11144]	12366	[6489, 661]
2380	[4122, 4123]	5709	[8151, 3491]	9038	[11145, 11065]	12367	[13093, 13094]
2381	[4124, 4125]	5710	[8152, 1535]	9039	[10569, 5339]	12368	[1946, 1873]
2382	[4126, 4127]	5711	[8153, 1163]	9040	[6845, 7283]	12369	[10989, 10988]
2383	[4128, 4129]	5712	[3777, 8154]	9041	[5950, 11146]	12370	[2650, 6933]
2384	[4130, 4131]	5713	[8155, 3408]	9042	[10154, 6833]	12371	[2649, 10353]
2385	[4132, 4030]	5714	[8156, 8157]	9043	[5559, 11147]	12372	[2263, 6921]
2386	[4133, 4134]	5715	[8158, 8159]	9044	[10882, 6948]	12373	[6923, 10986]
2387	[4135, 4136]	5716	[8160, 1601]	9045	[7293, 11148]	12374	[2656, 10539]
2388	[4137, 1803]	5717	[8161, 4159]	9046	[10544, 2234]	12375	[5912, 11447]
2389	[4138, 4139]	5718	[8162, 8163]	9047	[5798, 11149]	12376	[10587, 7629]
2390	[4140, 4141]	5719	[8164, 5140]	9048	[5482, 11150]	12377	[5457, 6015]
2391	[4142, 1781]	5720	[8165, 8166]	9049	[2877, 3012]	12378	[11461, 10606]

2392	[4143, 4144]	5721	[3210, 8167]	9050	[10904, 924]	12379	[13087, 1875]
2393	[4145, 4146]	5722	[8168, 4768]	9051	[10284, 10991]	12380	[6517, 5667]
2394	[3267, 4147]	5723	[122, 8169]	9052	[5394, 2441]	12381	[2760, 11130]
2395	[4148, 4149]	5724	[8170, 8171]	9053	[11151, 7136]	12382	[12905, 2515]
2396	[4150, 4151]	5725	[8172, 8173]	9054	[5658, 6476]	12383	[7156, 6482]
2397	[4152, 1317]	5726	[8174, 3907]	9055	[3179, 11152]	12384	[862, 13095]
2398	[4153, 4154]	5727	[8175, 8092]	9056	[3041, 11153]	12385	[10425, 12998]
2399	[4155, 3406]	5728	[4827, 7690]	9057	[2075, 11154]	12386	[234, 13096]
2400	[4156, 4157]	5729	[8176, 1512]	9058	[11155, 2333]	12387	[2487, 10566]
2401	[4158, 4159]	5730	[8177, 8178]	9059	[7259, 10919]	12388	[810, 2646]
2402	[3742, 1079]	5731	[7846, 7665]	9060	[11156, 806]	12389	[7205, 12966]
2403	[4160, 4161]	5732	[8179, 3619]	9061	[11153, 2289]	12390	[10957, 6887]
2404	[4162, 1540]	5733	[8180, 3663]	9062	[6016, 2793]	12391	[6427, 188]
2405	[4163, 4164]	5734	[4400, 3979]	9063	[919, 2850]	12392	[2117, 577]
2406	[4165, 1752]	5735	[3921, 8181]	9064	[11157, 6060]	12393	[11160, 13090]
2407	[4166, 4167]	5736	[8182, 3688]	9065	[10358, 11158]	12394	[5675, 11233]
2408	[4168, 4169]	5737	[4743, 8183]	9066	[3177, 2394]	12395	[500, 2729]
2409	[4170, 4171]	5738	[8184, 7836]	9067	[6085, 5569]	12396	[6667, 6790]
2410	[84, 4172]	5739	[8185, 1158]	9068	[5888, 11159]	12397	[13030, 6764]
2411	[4173, 4174]	5740	[8186, 4305]	9069	[11160, 10389]	12398	[10262, 5875]
2412	[988, 3252]	5741	[8187, 8188]	9070	[11161, 11162]	12399	[7572, 5788]
2413	[4175, 4176]	5742	[8189, 1222]	9071	[1939, 10403]	12400	[10355, 5531]
2414	[4177, 3511]	5743	[8190, 8191]	9072	[1845, 10252]	12401	[10654, 13026]
2415	[4178, 4179]	5744	[8192, 8193]	9073	[2847, 10460]	12402	[11463, 11521]
2416	[4180, 4181]	5745	[8194, 5086]	9074	[11163, 156]	12403	[6674, 11386]
2417	[4182, 1211]	5746	[4286, 3998]	9075	[10599, 5593]	12404	[10748, 6495]
2418	[4183, 1376]	5747	[8195, 8196]	9076	[6577, 3119]	12405	[13032, 11628]
2419	[4184, 4185]	5748	[8197, 4247]	9077	[11164, 2078]	12406	[5419, 6264]
2420	[3654, 4079]	5749	[8198, 397]	9078	[10160, 5490]	12407	[10657, 7282]
2421	[296, 4186]	5750	[8199, 8200]	9079	[2175, 2708]	12408	[864, 11412]
2422	[4187, 3766]	5751	[8201, 983]	9080	[2348, 11165]	12409	[11304, 13097]
2423	[4188, 4189]	5752	[8202, 5017]	9081	[3196, 2116]	12410	[12972, 6436]
2424	[4190, 4191]	5753	[3650, 4598]	9082	[11088, 6972]	12411	[12984, 7595]
2425	[4192, 4193]	5754	[8203, 8204]	9083	[11136, 11090]	12412	[7123, 2663]
2426	[4194, 1094]	5755	[8205, 8206]	9084	[10526, 2148]	12413	[5879, 6541]
2427	[4195, 3735]	5756	[8207, 8049]	9085	[11166, 10858]	12414	[11025, 11356]
2428	[4196, 4197]	5757	[8208, 3909]	9086	[3029, 11167]	12415	[727, 2504]
2429	[4198, 4199]	5758	[5012, 1610]	9087	[7368, 2798]	12416	[10321, 5389]
2430	[4200, 4201]	5759	[8209, 8210]	9088	[7110, 5648]	12417	[5974, 2441]
2431	[3250, 4202]	5760	[8211, 8212]	9089	[6476, 2581]	12418	[6076, 2095]
2432	[4203, 3335]	5761	[8213, 4766]	9090	[10736, 11168]	12419	[11511, 11387]
2433	[4204, 4205]	5762	[8214, 8215]	9091	[10179, 10613]	12420	[10664, 13098]
2434	[1382, 4206]	5763	[7997, 3821]	9092	[5440, 5695]	12421	[3207, 2636]
2435	[4207, 4208]	5764	[108, 8216]	9093	[6447, 2687]	12422	[13099, 212]

2436	[4209, 1101]	5765	[8217, 4027]	9094	[11169, 11170]	12423	[5615, 11567]
2437	[4210, 4211]	5766	[8218, 8219]	9095	[2445, 34]	12424	[10368, 864]
2438	[4212, 4213]	5767	[8220, 4768]	9096	[6896, 658]	12425	[2984, 2219]
2439	[4214, 987]	5768	[3216, 5253]	9097	[11171, 6947]	12426	[2207, 13100]
2440	[4215, 1195]	5769	[1797, 3617]	9098	[3169, 37]	12427	[7187, 6721]
2441	[4216, 4217]	5770	[1801, 8221]	9099	[11172, 11173]	12428	[11225, 723]
2442	[4218, 1361]	5771	[292, 8222]	9100	[10888, 5721]	12429	[640, 12920]
2443	[4219, 4220]	5772	[3373, 8003]	9101	[11174, 11175]	12430	[7245, 7554]
2444	[4221, 3331]	5773	[8223, 8224]	9102	[11125, 11176]	12431	[1924, 11615]
2445	[4222, 4223]	5774	[8225, 8226]	9103	[11177, 2677]	12432	[6797, 6695]
2446	[1071, 4224]	5775	[8227, 4118]	9104	[10430, 10416]	12433	[7325, 11010]
2447	[976, 1615]	5776	[8228, 8229]	9105	[5576, 11178]	12434	[6981, 10806]
2448	[4225, 4226]	5777	[8230, 7780]	9106	[11179, 7421]	12435	[12910, 10843]
2449	[4227, 4228]	5778	[4018, 8231]	9107	[6681, 6422]	12436	[3020, 6318]
2450	[4229, 4091]	5779	[8232, 8098]	9108	[10841, 6620]	12437	[5551, 2725]
2451	[4230, 4231]	5780	[4176, 7703]	9109	[11180, 505]	12438	[10825, 7488]
2452	[4232, 4233]	5781	[7964, 5237]	9110	[11181, 11182]	12439	[13005, 11449]
2453	[1574, 341]	5782	[8233, 4125]	9111	[753, 10979]	12440	[5855, 6669]
2454	[4234, 4235]	5783	[8234, 4865]	9112	[11183, 10804]	12441	[10962, 2088]
2455	[4236, 4237]	5784	[8235, 8236]	9113	[6257, 7089]	12442	[10633, 11582]
2456	[4238, 3394]	5785	[8237, 8238]	9114	[6462, 10493]	12443	[13101, 903]
2457	[1725, 4239]	5786	[5044, 8239]	9115	[2785, 11184]	12444	[13102, 10392]
2458	[4240, 4241]	5787	[8240, 1152]	9116	[7514, 11185]	12445	[2413, 12950]
2459	[4242, 267]	5788	[8241, 4057]	9117	[5486, 11186]	12446	[2161, 11189]
2460	[4243, 4244]	5789	[8242, 8243]	9118	[2505, 5868]	12447	[11576, 6893]
2461	[4245, 4246]	5790	[8244, 8245]	9119	[6418, 6143]	12448	[2264, 5689]
2462	[4247, 3443]	5791	[8246, 4418]	9120	[11187, 11188]	12449	[13103, 13104]
2463	[4248, 4249]	5792	[8247, 5023]	9121	[5420, 11189]	12450	[1849, 13062]
2464	[3393, 4250]	5793	[8248, 4538]	9122	[6259, 5979]	12451	[11560, 6000]
2465	[4251, 4252]	5794	[8249, 4209]	9123	[6420, 3152]	12452	[11365, 210]
2466	[4253, 3719]	5795	[8250, 5306]	9124	[11190, 11191]	12453	[2180, 13105]
2467	[1763, 4254]	5796	[8251, 8252]	9125	[675, 2974]	12454	[7363, 5696]
2468	[4255, 4256]	5797	[8253, 1750]	9126	[11192, 2479]	12455	[13106, 10387]
2469	[4257, 1616]	5798	[1361, 1212]	9127	[11193, 2780]	12456	[3075, 885]
2470	[4258, 4259]	5799	[8254, 1183]	9128	[2612, 5668]	12457	[1938, 5332]
2471	[4260, 4261]	5800	[8255, 4120]	9129	[2969, 11194]	12458	[892, 2540]
2472	[4262, 4263]	5801	[272, 4737]	9130	[7522, 10894]	12459	[10547, 589]
2473	[4264, 1648]	5802	[3242, 8256]	9131	[11018, 11195]	12460	[580, 11563]
2474	[4265, 4266]	5803	[8257, 4998]	9132	[11196, 2512]	12461	[10818, 160]
2475	[4267, 4268]	5804	[8258, 8259]	9133	[2773, 6213]	12462	[12963, 2341]
2476	[4269, 3488]	5805	[8260, 4714]	9134	[646, 947]	12463	[3004, 11192]
2477	[4270, 4271]	5806	[4483, 8261]	9135	[2607, 5774]	12464	[6027, 7064]
2478	[4272, 1311]	5807	[3916, 8262]	9136	[11197, 5985]	12465	[2997, 2954]
2479	[4273, 4274]	5808	[8263, 8086]	9137	[10436, 7436]	12466	[5989, 7222]

2480	[4275, 4276]	5809	[8264, 1446]	9138	[3143, 7139]	12467	[11098, 5822]
2481	[4277, 4278]	5810	[1371, 3725]	9139	[6247, 5712]	12468	[13107, 576]
2482	[3387, 1675]	5811	[8265, 4148]	9140	[1919, 5425]	12469	[2274, 2951]
2483	[4279, 4280]	5812	[8266, 4612]	9141	[11198, 6358]	12470	[2956, 5820]
2484	[4281, 4282]	5813	[8267, 4591]	9142	[1884, 6361]	12471	[3184, 184]
2485	[4283, 4284]	5814	[8268, 1446]	9143	[7460, 11199]	12472	[7133, 5877]
2486	[4285, 4286]	5815	[8269, 8270]	9144	[7256, 6199]	12473	[1933, 6882]
2487	[4287, 4288]	5816	[1495, 4667]	9145	[2067, 11200]	12474	[852, 5592]
2488	[4289, 4290]	5817	[8271, 8272]	9146	[11201, 11202]	12475	[13051, 7500]
2489	[4291, 1096]	5818	[1471, 8273]	9147	[10398, 2788]	12476	[10580, 13043]
2490	[3831, 4292]	5819	[64, 4252]	9148	[11203, 11204]	12477	[11380, 5932]
2491	[4293, 4294]	5820	[8274, 383]	9149	[11205, 11206]	12478	[13092, 13108]
2492	[4295, 1431]	5821	[4979, 7904]	9150	[5597, 10706]	12479	[853, 6754]
2493	[4296, 1473]	5822	[8275, 8276]	9151	[5826, 2385]	12480	[10173, 10784]
2494	[4297, 4298]	5823	[8277, 8278]	9152	[859, 5963]	12481	[13078, 13109]
2495	[4299, 3969]	5824	[8279, 7814]	9153	[7420, 6540]	12482	[6193, 13110]
2496	[4300, 4265]	5825	[8280, 8281]	9154	[11207, 3094]	12483	[11317, 6703]
2497	[4301, 4302]	5826	[7853, 8282]	9155	[11208, 11209]	12484	[7262, 13075]
2498	[4303, 461]	5827	[5136, 4650]	9156	[7028, 10410]	12485	[11630, 10340]
2499	[4304, 4305]	5828	[4757, 8283]	9157	[11210, 10545]	12486	[11495, 2798]
2500	[4306, 3779]	5829	[8284, 3771]	9158	[1831, 5666]	12487	[3126, 13111]
2501	[4307, 4068]	5830	[8285, 7771]	9159	[11211, 6109]	12488	[10487, 1841]
2502	[3885, 4308]	5831	[8286, 3712]	9160	[887, 1936]	12489	[7490, 743]
2503	[4309, 4310]	5832	[1346, 8224]	9161	[2351, 11212]	12490	[10352, 10211]
2504	[4311, 4149]	5833	[8106, 8287]	9162	[11213, 10764]	12491	[700, 11056]
2505	[4312, 4313]	5834	[274, 8288]	9163	[10574, 11130]	12492	[241, 6466]
2506	[4314, 4315]	5835	[8289, 8290]	9164	[11214, 225]	12493	[7039, 2784]
2507	[4316, 4317]	5836	[8291, 88]	9165	[6778, 2922]	12494	[11407, 11530]
2508	[4318, 4319]	5837	[4468, 1407]	9166	[10249, 11215]	12495	[5621, 3170]
2509	[4320, 4321]	5838	[8292, 4423]	9167	[11216, 7515]	12496	[5788, 13112]
2510	[1438, 4315]	5839	[8293, 8294]	9168	[2756, 11217]	12497	[13101, 5990]
2511	[4322, 3933]	5840	[4575, 8295]	9169	[2800, 2918]	12498	[11478, 10330]
2512	[4323, 4324]	5841	[8252, 8296]	9170	[6358, 11218]	12499	[1945, 7615]
2513	[4325, 3306]	5842	[8297, 4127]	9171	[7389, 7657]	12500	[6023, 5682]
2514	[4326, 1790]	5843	[8298, 4199]	9172	[6056, 5536]	12501	[7135, 11497]
2515	[4327, 4328]	5844	[8299, 1080]	9173	[708, 5397]	12502	[529, 795]
2516	[1449, 4329]	5845	[498, 8300]	9174	[11219, 1906]	12503	[6434, 5653]
2517	[4330, 3612]	5846	[8301, 3390]	9175	[7376, 6651]	12504	[749, 13113]
2518	[4331, 4332]	5847	[8302, 8303]	9176	[6688, 7304]	12505	[2049, 10347]
2519	[4333, 1064]	5848	[8304, 8305]	9177	[11220, 7430]	12506	[10865, 13114]
2520	[4334, 4335]	5849	[8306, 1189]	9178	[11221, 6233]	12507	[2439, 509]
2521	[4332, 4336]	5850	[7759, 7677]	9179	[11222, 2776]	12508	[2842, 2500]
2522	[4337, 1778]	5851	[8307, 3364]	9180	[732, 7202]	12509	[2293, 6176]
2523	[4338, 4339]	5852	[3761, 8308]	9181	[7639, 139]	12510	[12932, 2621]

2524	[4340, 3324]	5853	[8309, 4479]	9182	[1951, 7384]	12511	[899, 6969]
2525	[4341, 4342]	5854	[8310, 8311]	9183	[6761, 5702]	12512	[6669, 13055]
2526	[4343, 4344]	5855	[8312, 4507]	9184	[11223, 6349]	12513	[6117, 11534]
2527	[4345, 4346]	5856	[8313, 3887]	9185	[11224, 2000]	12514	[6414, 7167]
2528	[4347, 1129]	5857	[8314, 298]	9186	[11225, 11193]	12515	[2051, 2707]
2529	[4348, 4349]	5858	[3974, 8315]	9187	[6751, 11226]	12516	[2358, 13115]
2530	[4350, 3282]	5859	[1107, 259]	9188	[11063, 235]	12517	[10821, 11471]
2531	[4351, 4352]	5860	[8316, 8317]	9189	[11227, 6559]	12518	[10161, 13009]
2532	[4353, 3908]	5861	[1271, 8318]	9190	[1822, 10888]	12519	[13116, 13041]
2533	[3890, 4299]	5862	[8319, 3927]	9191	[6602, 2344]	12520	[11406, 2409]
2534	[3342, 4354]	5863	[8320, 8321]	9192	[11228, 7445]	12521	[12921, 11311]
2535	[4355, 4356]	5864	[8322, 1774]	9193	[7075, 11229]	12522	[13117, 3031]
2536	[4357, 4358]	5865	[8323, 8324]	9194	[10640, 7397]	12523	[12989, 527]
2537	[4359, 4360]	5866	[8325, 8142]	9195	[11080, 11230]	12524	[5778, 743]
2538	[4361, 4362]	5867	[8326, 8327]	9196	[6922, 11231]	12525	[11510, 5828]
2539	[4363, 4364]	5868	[8328, 8329]	9197	[11232, 6928]	12526	[11496, 7119]
2540	[4365, 4366]	5869	[8330, 3526]	9198	[869, 6718]	12527	[13081, 7599]
2541	[1159, 4367]	5870	[8331, 8332]	9199	[918, 11233]	12528	[13001, 6500]
2542	[4368, 4369]	5871	[8333, 4916]	9200	[11067, 7328]	12529	[7220, 13118]
2543	[4370, 4371]	5872	[5253, 8135]	9201	[11234, 2290]	12530	[7407, 13034]
2544	[4372, 4373]	5873	[8334, 5309]	9202	[11235, 6324]	12531	[5926, 882]
2545	[4374, 344]	5874	[8335, 8336]	9203	[11236, 11237]	12532	[6795, 13119]
2546	[4375, 307]	5875	[8337, 1087]	9204	[6469, 7651]	12533	[7071, 679]
2547	[4376, 444]	5876	[8338, 3429]	9205	[11238, 5679]	12534	[250, 10834]
2548	[4377, 4378]	5877	[1398, 3563]	9206	[6434, 6581]	12535	[2844, 13039]
2549	[4379, 4380]	5878	[8339, 8340]	9207	[11239, 11240]	12536	[11393, 11434]
2550	[4381, 4382]	5879	[8341, 4976]	9208	[11241, 11242]	12537	[2148, 2036]
2551	[4383, 4384]	5880	[8342, 8343]	9209	[5392, 11243]	12538	[2382, 13120]
2552	[4385, 1369]	5881	[8138, 3663]	9210	[5643, 2658]	12539	[7171, 2994]
2553	[4386, 4387]	5882	[8344, 8345]	9211	[5395, 2346]	12540	[11346, 11059]
2554	[1488, 1009]	5883	[8065, 8346]	9212	[6032, 10302]	12541	[2302, 2992]
2555	[4388, 4072]	5884	[8347, 8348]	9213	[11244, 2387]	12542	[11372, 7232]
2556	[4389, 1521]	5885	[8349, 4719]	9214	[3088, 7353]	12543	[5491, 1978]
2557	[3723, 4390]	5886	[8350, 8351]	9215	[11245, 6675]	12544	[13121, 1965]
2558	[4391, 4392]	5887	[8352, 8353]	9216	[7536, 11246]	12545	[2564, 5733]
2559	[4393, 4002]	5888	[8354, 8355]	9217	[11101, 2543]	12546	[2168, 7536]
2560	[4394, 3221]	5889	[1445, 4679]	9218	[2803, 11247]	12547	[6134, 12924]
2561	[4395, 4282]	5890	[8356, 8357]	9219	[11248, 11249]	12548	[7377, 5978]
2562	[4396, 4397]	5891	[8358, 3660]	9220	[10895, 5639]	12549	[2310, 13122]
2563	[1279, 4398]	5892	[8359, 8360]	9221	[10943, 2899]	12550	[13035, 5936]
2564	[4399, 4400]	5893	[5058, 1035]	9222	[11088, 10435]	12551	[3141, 10644]
2565	[372, 4401]	5894	[8361, 8362]	9223	[11250, 11251]	12552	[2681, 3138]
2566	[4402, 4403]	5895	[8363, 8364]	9224	[7019, 11126]	12553	[780, 227]
2567	[1579, 4404]	5896	[8365, 8366]	9225	[7284, 943]	12554	[11657, 10312]

2568	[18, 4405]	5897	[8367, 1107]	9226	[7157, 6483]	12555	[7356, 11276]
2569	[4406, 4407]	5898	[4869, 3729]	9227	[1902, 2567]	12556	[135, 13123]
2570	[4408, 4409]	5899	[7724, 1329]	9228	[10733, 7302]	12557	[6465, 6159]
2571	[4410, 3376]	5900	[8368, 8369]	9229	[11252, 5921]	12558	[11284, 517]
2572	[4411, 4412]	5901	[8370, 8371]	9230	[6174, 921]	12559	[10418, 516]
2573	[4082, 4413]	5902	[5273, 8372]	9231	[213, 5977]	12560	[6355, 10379]
2574	[4414, 4415]	5903	[8373, 4577]	9232	[6464, 2251]	12561	[226, 1846]
2575	[3979, 3745]	5904	[8374, 1019]	9233	[11253, 766]	12562	[10585, 6010]
2576	[4416, 3876]	5905	[8375, 8376]	9234	[2369, 6879]	12563	[2234, 6088]
2577	[4417, 3967]	5906	[8377, 1241]	9235	[10170, 10472]	12564	[7434, 7419]
2578	[4418, 4419]	5907	[4405, 5202]	9236	[11254, 2031]	12565	[5318, 13124]
2579	[4420, 4421]	5908	[5202, 4449]	9237	[11095, 5566]	12566	[3065, 2796]
2580	[4422, 4368]	5909	[4250, 4711]	9238	[653, 7549]	12567	[11585, 7059]
2581	[4423, 1587]	5910	[8378, 1580]	9239	[10416, 163]	12568	[5733, 13095]
2582	[4424, 4425]	5911	[8379, 4002]	9240	[2569, 5907]	12569	[2262, 755]
2583	[4426, 1331]	5912	[8380, 8381]	9241	[11255, 5989]	12570	[5366, 10354]
2584	[4427, 4428]	5913	[1002, 302]	9242	[11107, 2336]	12571	[7366, 5581]
2585	[4429, 4430]	5914	[8382, 5206]	9243	[2851, 6762]	12572	[5356, 10655]
2586	[4431, 1071]	5915	[8383, 4657]	9244	[7556, 10544]	12573	[6213, 10976]
2587	[4432, 3532]	5916	[8384, 8385]	9245	[920, 10957]	12574	[2942, 6732]
2588	[3818, 4433]	5917	[8386, 8387]	9246	[2336, 7212]	12575	[11680, 7524]
2589	[3821, 348]	5918	[8388, 4513]	9247	[10550, 11256]	12576	[2878, 10739]
2590	[4434, 1795]	5919	[4863, 4832]	9248	[10773, 650]	12577	[11611, 2881]
2591	[4435, 3211]	5920	[8389, 8390]	9249	[2868, 5444]	12578	[2007, 5420]
2592	[4436, 1116]	5921	[8391, 8392]	9250	[10344, 899]	12579	[7012, 5423]
2593	[4437, 3674]	5922	[8393, 8394]	9251	[11257, 2587]	12580	[10680, 57]
2594	[4438, 1470]	5923	[8395, 24]	9252	[7229, 5592]	12581	[7541, 10204]
2595	[4439, 479]	5924	[8396, 3239]	9253	[10439, 3199]	12582	[13102, 2148]
2596	[4440, 4376]	5925	[8397, 1187]	9254	[62, 5674]	12583	[10922, 13125]
2597	[4441, 1218]	5926	[4652, 8398]	9255	[11258, 2945]	12584	[10658, 2]
2598	[4442, 1485]	5927	[8399, 8020]	9256	[7230, 6666]	12585	[13126, 10720]
2599	[4443, 1203]	5928	[8400, 1258]	9257	[10601, 750]	12586	[7067, 3101]
2600	[3442, 4444]	5929	[8401, 389]	9258	[2222, 10250]	12587	[11087, 2172]
2601	[3444, 4445]	5930	[8402, 8403]	9259	[10822, 10977]	12588	[10952, 2518]
2602	[4446, 4447]	5931	[8404, 5080]	9260	[2654, 6928]	12589	[13127, 6114]
2603	[4448, 4449]	5932	[8405, 5108]	9261	[11259, 11260]	12590	[204, 6809]
2604	[4185, 4450]	5933	[8406, 8407]	9262	[534, 6479]	12591	[913, 5443]
2605	[4451, 4452]	5934	[8408, 1406]	9263	[7199, 5755]	12592	[10499, 6199]
2606	[4453, 1610]	5935	[8409, 8410]	9264	[11261, 11262]	12593	[152, 13124]
2607	[4454, 4455]	5936	[8411, 4369]	9265	[6259, 5426]	12594	[7656, 10799]
2608	[4456, 4328]	5937	[8412, 7983]	9266	[6765, 11263]	12595	[5780, 7558]
2609	[4457, 4458]	5938	[1239, 1488]	9267	[704, 5390]	12596	[10602, 6740]
2610	[4459, 1628]	5939	[8413, 3778]	9268	[7087, 808]	12597	[10783, 5502]
2611	[4460, 4461]	5940	[8414, 8415]	9269	[11264, 195]	12598	[13128, 10613]

2612	[4462, 3511]	5941	[8416, 8417]	9270	[11265, 10777]	12599	[6599, 2960]
2613	[4463, 4464]	5942	[8418, 4704]	9271	[11266, 5610]	12600	[7261, 6382]
2614	[4465, 4466]	5943	[4023, 4007]	9272	[5686, 7080]	12601	[7304, 6484]
2615	[4467, 4468]	5944	[8419, 8420]	9273	[11267, 2627]	12602	[6525, 6376]
2616	[4469, 4470]	5945	[8421, 1720]	9274	[240, 2500]	12603	[5456, 6208]
2617	[1561, 4471]	5946	[8422, 8271]	9275	[5469, 7223]	12604	[10546, 10264]
2618	[4472, 29]	5947	[3839, 1426]	9276	[6540, 11268]	12605	[13071, 7616]
2619	[4473, 4474]	5948	[8423, 4264]	9277	[802, 6662]	12606	[13129, 13057]
2620	[4475, 4476]	5949	[4554, 1467]	9278	[6061, 6275]	12607	[2616, 2970]
2621	[4477, 3450]	5950	[3450, 3630]	9279	[11269, 2095]	12608	[6234, 6775]
2622	[4478, 4479]	5951	[8424, 3375]	9280	[687, 11270]	12609	[10273, 10875]
2623	[4480, 4225]	5952	[1153, 328]	9281	[2020, 5588]	12610	[10964, 7069]
2624	[4481, 4236]	5953	[8425, 7932]	9282	[6966, 7442]	12611	[5409, 11487]
2625	[4482, 4483]	5954	[8426, 3266]	9283	[10267, 11271]	12612	[7018, 11125]
2626	[4484, 4485]	5955	[8427, 8215]	9284	[7061, 2226]	12613	[6695, 3200]
2627	[4486, 1095]	5956	[8294, 3659]	9285	[11272, 1877]	12614	[11244, 1924]
2628	[4487, 4488]	5957	[8428, 4308]	9286	[6147, 6536]	12615	[11060, 7352]
2629	[4489, 4490]	5958	[8429, 8430]	9287	[11061, 2686]	12616	[3195, 13130]
2630	[4491, 1094]	5959	[8431, 8432]	9288	[5359, 6384]	12617	[6021, 13131]
2631	[4492, 4493]	5960	[8433, 3395]	9289	[6073, 11273]	12618	[13126, 7432]
2632	[4494, 1416]	5961	[8434, 3391]	9290	[11274, 11045]	12619	[7415, 907]
2633	[4495, 4316]	5962	[1428, 8435]	9291	[10650, 10724]	12620	[7076, 5674]
2634	[4496, 4497]	5963	[4815, 8436]	9292	[10643, 11275]	12621	[11187, 10476]
2635	[4498, 4499]	5964	[4585, 8437]	9293	[7286, 11276]	12622	[10623, 7307]
2636	[4500, 4501]	5965	[8438, 5238]	9294	[11277, 2558]	12623	[10949, 7146]
2637	[4502, 4503]	5966	[8439, 8440]	9295	[2684, 7264]	12624	[5640, 5485]
2638	[4504, 4505]	5967	[8441, 4300]	9296	[5459, 6173]	12625	[10761, 2939]
2639	[4506, 4507]	5968	[8442, 8443]	9297	[10777, 2040]	12626	[10677, 1829]
2640	[4508, 4509]	5969	[8444, 4820]	9298	[11278, 11279]	12627	[2253, 2747]
2641	[4510, 4511]	5970	[3969, 8445]	9299	[10716, 10618]	12628	[13093, 6158]
2642	[1137, 4512]	5971	[3232, 319]	9300	[11280, 6069]	12629	[7172, 6201]
2643	[3849, 4513]	5972	[3538, 1574]	9301	[6226, 11281]	12630	[11448, 13006]
2644	[4514, 4515]	5973	[8446, 1299]	9302	[7553, 7246]	12631	[11521, 7536]
2645	[4516, 1710]	5974	[8447, 8448]	9303	[10803, 11282]	12632	[128, 13033]
2646	[4517, 1541]	5975	[8449, 8450]	9304	[11283, 2651]	12633	[2467, 13064]
2647	[4518, 4346]	5976	[4581, 8381]	9305	[7074, 7520]	12634	[3120, 11418]
2648	[4319, 4519]	5977	[418, 8451]	9306	[11284, 6855]	12635	[5430, 13132]
2649	[4520, 4521]	5978	[8452, 8453]	9307	[6050, 11285]	12636	[10791, 6290]
2650	[4522, 4523]	5979	[8454, 8455]	9308	[11286, 6233]	12637	[5782, 13130]
2651	[4524, 4525]	5980	[8456, 8457]	9309	[11287, 5811]	12638	[6992, 3077]
2652	[4526, 387]	5981	[4191, 8458]	9310	[11288, 7485]	12639	[11425, 10325]
2653	[4527, 4528]	5982	[1404, 1379]	9311	[10349, 11289]	12640	[11577, 7146]
2654	[4529, 4530]	5983	[8459, 1384]	9312	[7483, 11032]	12641	[2191, 6851]
2655	[4531, 4532]	5984	[8460, 3673]	9313	[11290, 7204]	12642	[12990, 10172]

2656	[4533, 4534]	5985	[8461, 8287]	9314	[6786, 11291]	12643	[6077, 11498]
2657	[4535, 4536]	5986	[8462, 8463]	9315	[3200, 11292]	12644	[2112, 5910]
2658	[4537, 4538]	5987	[8464, 7676]	9316	[11293, 11294]	12645	[6611, 6335]
2659	[4539, 4540]	5988	[8465, 1283]	9317	[2962, 6484]	12646	[552, 2725]
2660	[4541, 414]	5989	[3326, 8466]	9318	[7014, 11295]	12647	[11021, 10955]
2661	[4542, 3946]	5990	[8467, 7695]	9319	[7441, 6761]	12648	[2676, 7199]
2662	[4543, 4544]	5991	[8468, 8031]	9320	[11296, 3134]	12649	[13106, 10397]
2663	[4545, 4546]	5992	[8469, 8470]	9321	[5944, 7375]	12650	[7427, 12940]
2664	[4547, 4548]	5993	[8471, 7947]	9322	[11156, 5607]	12651	[10427, 5591]
2665	[4549, 4550]	5994	[8472, 4465]	9323	[6028, 7049]	12652	[2016, 12967]
2666	[4551, 4552]	5995	[8473, 93]	9324	[6308, 2255]	12653	[11248, 12956]
2667	[4553, 4554]	5996	[338, 8474]	9325	[11297, 11298]	12654	[11596, 2239]
2668	[4555, 4556]	5997	[8475, 392]	9326	[5602, 11299]	12655	[11517, 6437]
2669	[4043, 4557]	5998	[8476, 267]	9327	[5641, 5925]	12656	[10533, 13105]
2670	[4558, 1672]	5999	[4901, 8477]	9328	[10260, 2249]	12657	[6141, 7267]
2671	[4559, 4560]	6000	[3506, 7835]	9329	[239, 2842]	12658	[6133, 13115]
2672	[3796, 4561]	6001	[4712, 8478]	9330	[6906, 11289]	12659	[10863, 7004]
2673	[3594, 4464]	6002	[8479, 4508]	9331	[11300, 2804]	12660	[236, 12976]
2674	[4562, 4563]	6003	[8480, 4819]	9332	[11301, 233]	12661	[6225, 817]
2675	[4564, 4565]	6004	[8481, 8482]	9333	[11302, 5988]	12662	[917, 5675]
2676	[4566, 4567]	6005	[8483, 1058]	9334	[5466, 6739]	12663	[2389, 2796]
2677	[4568, 4569]	6006	[8484, 436]	9335	[11303, 6741]	12664	[10986, 10989]
2678	[4570, 3371]	6007	[4120, 8485]	9336	[10518, 5359]	12665	[11360, 6926]
2679	[3412, 3782]	6008	[8445, 1182]	9337	[6895, 7488]	12666	[6268, 2649]
2680	[3416, 4220]	6009	[4930, 3657]	9338	[11304, 2645]	12667	[6934, 10898]
2681	[4571, 4572]	6010	[8486, 3857]	9339	[11305, 2290]	12668	[5809, 5594]
2682	[4573, 4574]	6011	[8487, 4750]	9340	[2883, 2816]	12669	[11589, 10320]
2683	[4292, 4575]	6012	[8488, 8489]	9341	[11306, 3129]	12670	[7608, 6130]
2684	[4576, 4577]	6013	[323, 265]	9342	[11306, 5455]	12671	[13116, 10694]
2685	[3291, 4012]	6014	[8490, 1588]	9343	[11307, 5897]	12672	[5874, 2636]
2686	[4578, 4579]	6015	[4797, 1502]	9344	[11308, 7560]	12673	[2752, 11642]
2687	[4580, 4581]	6016	[8491, 8492]	9345	[11309, 7275]	12674	[7390, 5369]
2688	[4582, 4583]	6017	[8493, 8097]	9346	[11310, 2976]	12675	[2121, 13042]
2689	[4584, 3943]	6018	[8494, 1260]	9347	[701, 11311]	12676	[10280, 13083]
2690	[3262, 4585]	6019	[8495, 1486]	9348	[7488, 658]	12677	[585, 13133]
2691	[4586, 4587]	6020	[7954, 8496]	9349	[11312, 5357]	12678	[167, 13134]
2692	[4588, 1401]	6021	[1753, 339]	9350	[229, 6939]	12679	[6169, 10279]
2693	[4589, 4590]	6022	[8497, 8086]	9351	[11313, 6750]	12680	[11673, 7114]
2694	[4591, 4592]	6023	[8498, 23]	9352	[11164, 10172]	12681	[6453, 13131]
2695	[1309, 4593]	6024	[422, 7973]	9353	[2912, 11314]	12682	[7453, 2616]
2696	[4594, 4345]	6025	[8499, 8500]	9354	[11315, 7166]	12683	[12965, 7206]
2697	[4512, 4595]	6026	[8501, 8502]	9355	[2435, 11316]	12684	[10305, 1922]
2698	[3845, 4596]	6027	[3711, 8503]	9356	[11317, 11318]	12685	[13135, 3033]
2699	[4597, 4598]	6028	[7691, 8504]	9357	[11319, 11086]	12686	[13074, 10188]

2700	[4599, 4600]	6029	[8505, 8506]	9358	[7052, 854]	12687	[5979, 11558]
2701	[4601, 4602]	6030	[8507, 4576]	9359	[11320, 11057]	12688	[6495, 11441]
2702	[4603, 4604]	6031	[8508, 8509]	9360	[5867, 10295]	12689	[5754, 13123]
2703	[4605, 3723]	6032	[8510, 470]	9361	[6893, 11321]	12690	[6499, 13002]
2704	[4606, 4607]	6033	[8511, 7968]	9362	[7138, 7316]	12691	[6391, 13136]
2705	[4608, 359]	6034	[8512, 8513]	9363	[11174, 3174]	12692	[775, 11353]
2706	[4609, 4610]	6035	[8514, 8451]	9364	[2888, 11322]	12693	[13135, 2622]
2707	[4611, 1744]	6036	[8515, 1316]	9365	[10607, 6243]	12694	[6098, 3172]
2708	[4612, 4587]	6037	[8516, 1326]	9366	[6300, 11323]	12695	[13137, 6845]
2709	[486, 1631]	6038	[8517, 8508]	9367	[5766, 2284]	12696	[10453, 2416]
2710	[4613, 4614]	6039	[16, 5232]	9368	[11324, 11325]	12697	[7081, 6050]
2711	[4615, 4616]	6040	[8518, 5050]	9369	[10209, 907]	12698	[11459, 11488]
2712	[3438, 4617]	6041	[8519, 4320]	9370	[2526, 6647]	12699	[13082, 6282]
2713	[4618, 1658]	6042	[8520, 8521]	9371	[11326, 6544]	12700	[7499, 13052]
2714	[4134, 4619]	6043	[3789, 1283]	9372	[11327, 11328]	12701	[7065, 6127]
2715	[4620, 4621]	6044	[8522, 8523]	9373	[6862, 6115]	12702	[2778, 5663]
2716	[4622, 4623]	6045	[8524, 5277]	9374	[11329, 11330]	12703	[7002, 6232]
2717	[4624, 4625]	6046	[1665, 4020]	9375	[5622, 11331]	12704	[6945, 5887]
2718	[4626, 4627]	6047	[8525, 1197]	9376	[2298, 6226]	12705	[6656, 5575]
2719	[4628, 4004]	6048	[8526, 8527]	9377	[10740, 2715]	12706	[2337, 6693]
2720	[4629, 256]	6049	[3892, 483]	9378	[2755, 2470]	12707	[11591, 10229]
2721	[4630, 4631]	6050	[8528, 1131]	9379	[11332, 11280]	12708	[6296, 7491]
2722	[4632, 4633]	6051	[8529, 5095]	9380	[2955, 889]	12709	[10899, 11659]
2723	[4634, 4635]	6052	[8530, 4833]	9381	[2480, 6206]	12710	[6178, 6094]
2724	[4636, 1451]	6053	[8531, 3835]	9382	[10888, 3191]	12711	[2567, 5331]
2725	[4637, 4638]	6054	[4202, 1234]	9383	[6119, 10400]	12712	[11211, 2206]
2726	[4639, 4278]	6055	[8532, 8533]	9384	[11333, 11334]	12713	[11261, 155]
2727	[4640, 3869]	6056	[8534, 4800]	9385	[5679, 2080]	12714	[5965, 10401]
2728	[4641, 3871]	6057	[7695, 8535]	9386	[11335, 5683]	12715	[7234, 5768]
2729	[4642, 4643]	6058	[8536, 3620]	9387	[7032, 6313]	12716	[2214, 10582]
2730	[968, 4644]	6059	[8537, 8538]	9388	[6155, 938]	12717	[2086, 5979]
2731	[4645, 4646]	6060	[3658, 4128]	9389	[11336, 537]	12718	[6905, 11331]
2732	[4647, 3908]	6061	[8539, 8540]	9390	[945, 11337]	12719	[11362, 6153]
2733	[4648, 4649]	6062	[1425, 434]	9391	[11338, 2475]	12720	[13138, 5407]
2734	[4650, 3654]	6063	[3989, 1175]	9392	[10768, 10374]	12721	[2450, 11247]
2735	[4651, 4652]	6064	[8541, 7895]	9393	[11339, 11340]	12722	[592, 10503]
2736	[4653, 4654]	6065	[8542, 8295]	9394	[11294, 2280]	12723	[11250, 11640]
2737	[1693, 4655]	6066	[8543, 8544]	9395	[5456, 5908]	12724	[11429, 10528]
2738	[4656, 4657]	6067	[8545, 7846]	9396	[7312, 5850]	12725	[7594, 10566]
2739	[4658, 4659]	6068	[8546, 8547]	9397	[11301, 2584]	12726	[2272, 500]
2740	[4646, 4660]	6069	[8015, 1026]	9398	[812, 11341]	12727	[11354, 11139]
2741	[4661, 403]	6070	[8548, 8549]	9399	[2267, 5657]	12728	[3000, 2417]
2742	[4662, 4663]	6071	[8550, 8551]	9400	[11342, 10478]	12729	[744, 10522]
2743	[4664, 4665]	6072	[8552, 7686]	9401	[11343, 11251]	12730	[11674, 10458]

2744	[4666, 4667]	6073	[4889, 8553]	9402	[11344, 11115]	12731	[7174, 2144]
2745	[4668, 4669]	6074	[8554, 1561]	9403	[5389, 10189]	12732	[6716, 11423]
2746	[4670, 4671]	6075	[8555, 1800]	9404	[10871, 2033]	12733	[2723, 7372]
2747	[4672, 4673]	6076	[8556, 3668]	9405	[10484, 6650]	12734	[5385, 13060]
2748	[4674, 4675]	6077	[3952, 8557]	9406	[11345, 2354]	12735	[5808, 13139]
2749	[4676, 3711]	6078	[3549, 3904]	9407	[521, 5961]	12736	[5332, 12996]
2750	[3930, 4330]	6079	[8558, 8559]	9408	[11346, 6587]	12737	[6682, 10629]
2751	[3254, 4677]	6080	[8560, 1333]	9409	[5870, 7220]	12738	[2664, 6408]
2752	[4678, 4679]	6081	[8561, 8562]	9410	[11347, 5683]	12739	[7650, 2378]
2753	[4680, 1073]	6082	[8563, 8564]	9411	[2347, 2992]	12740	[2825, 12933]
2754	[4681, 4682]	6083	[389, 8340]	9412	[6208, 11348]	12741	[7214, 1982]
2755	[4433, 272]	6084	[8565, 8566]	9413	[11349, 10281]	12742	[10724, 6861]
2756	[1678, 4683]	6085	[8567, 8568]	9414	[6790, 11350]	12743	[5339, 13040]
2757	[4684, 1692]	6086	[8569, 8570]	9415	[2589, 5805]	12744	[2242, 11292]
2758	[4685, 4686]	6087	[8571, 982]	9416	[11351, 11230]	12745	[1994, 6964]
2759	[4687, 4688]	6088	[8572, 8573]	9417	[1993, 11352]	12746	[11058, 7375]
2760	[4689, 4690]	6089	[4118, 8574]	9418	[2553, 11353]	12747	[11670, 11556]
2761	[3389, 1055]	6090	[8216, 8575]	9419	[11354, 7191]	12748	[11559, 11291]
2762	[1232, 3776]	6091	[5100, 8576]	9420	[6755, 10474]	12749	[11011, 5520]
2763	[4691, 4692]	6092	[8577, 3769]	9421	[3106, 5652]	12750	[7413, 13140]
2764	[4693, 1227]	6093	[4703, 8567]	9422	[5317, 6519]	12751	[7644, 11170]
2765	[4694, 4695]	6094	[8578, 7853]	9423	[3170, 830]	12752	[6952, 12987]
2766	[4696, 4697]	6095	[3715, 8101]	9424	[11355, 6468]	12753	[2424, 11152]
2767	[4698, 4699]	6096	[8579, 8580]	9425	[712, 197]	12754	[6857, 729]
2768	[404, 4700]	6097	[8581, 5084]	9426	[7103, 2115]	12755	[11564, 10807]
2769	[3847, 4701]	6098	[8582, 8583]	9427	[11014, 6781]	12756	[3093, 12960]
2770	[4702, 4703]	6099	[8584, 1225]	9428	[11356, 714]	12757	[50, 1962]
2771	[4704, 4705]	6100	[1710, 1229]	9429	[5512, 6266]	12758	[13107, 1941]
2772	[4706, 4707]	6101	[8585, 3344]	9430	[11357, 6268]	12759	[861, 5733]
2773	[4708, 4147]	6102	[8586, 98]	9431	[6919, 6918]	12760	[2838, 7259]
2774	[4709, 4710]	6103	[8587, 8588]	9432	[6934, 2656]	12761	[157, 6912]
2775	[4711, 4712]	6104	[8589, 4483]	9433	[11231, 11358]	12762	[6163, 11032]
2776	[4713, 4714]	6105	[3307, 4960]	9434	[6931, 6269]	12763	[2644, 13097]
2777	[4715, 4371]	6106	[8204, 3281]	9435	[11358, 2652]	12764	[6395, 11108]
2778	[4716, 4717]	6107	[8590, 3320]	9436	[6932, 6923]	12765	[13021, 5701]
2779	[4718, 4719]	6108	[8591, 3628]	9437	[2656, 11359]	12766	[1829, 6466]
2780	[4720, 4721]	6109	[8592, 5129]	9438	[6916, 5512]	12767	[2380, 10809]
2781	[114, 4722]	6110	[8593, 1188]	9439	[10987, 10831]	12768	[6735, 6173]
2782	[4723, 1482]	6111	[8594, 1042]	9440	[10215, 1534]	12769	[2312, 2932]
2783	[4724, 4725]	6112	[3781, 8595]	9441	[6917, 10697]	12770	[11312, 10655]
2784	[4726, 4727]	6113	[8287, 8596]	9442	[6920, 11283]	12771	[772, 1825]
2785	[4317, 4728]	6114	[8597, 1314]	9443	[10697, 2262]	12772	[11638, 10607]
2786	[470, 4729]	6115	[8598, 8325]	9444	[10985, 2653]	12773	[5953, 6090]
2787	[1583, 4730]	6116	[4003, 8599]	9445	[11359, 10540]	12774	[7515, 5641]

2788	[4731, 4732]	6117	[8600, 306]	9446	[6679, 5366]	12775	[2325, 10395]
2789	[4733, 4734]	6118	[8071, 1043]	9447	[10354, 11232]	12776	[12934, 1891]
2790	[4735, 4736]	6119	[8466, 8601]	9448	[10831, 11357]	12777	[797, 790]
2791	[4737, 4738]	6120	[8602, 8603]	9449	[11360, 10987]	12778	[12979, 6473]
2792	[4739, 1771]	6121	[4966, 8604]	9450	[961, 6541]	12779	[1864, 11536]
2793	[4740, 4741]	6122	[8605, 8606]	9451	[10296, 1849]	12780	[7409, 13141]
2794	[4742, 4743]	6123	[8607, 8608]	9452	[10778, 1853]	12781	[6136, 10279]
2795	[4744, 4001]	6124	[8609, 1332]	9453	[921, 11361]	12782	[11118, 5678]
2796	[4745, 4746]	6125	[8610, 8611]	9454	[11362, 10560]	12783	[935, 2351]
2797	[4747, 86]	6126	[8612, 4410]	9455	[10570, 5546]	12784	[13103, 6277]
2798	[4748, 3426]	6127	[8613, 4765]	9456	[11286, 2176]	12785	[2012, 5923]
2799	[4749, 4511]	6128	[1697, 8614]	9457	[11030, 6230]	12786	[10819, 13125]
2800	[4750, 4751]	6129	[8615, 8616]	9458	[11363, 3007]	12787	[5606, 806]
2801	[4752, 4753]	6130	[8617, 3596]	9459	[11017, 6546]	12788	[2877, 6861]
2802	[4754, 4755]	6131	[5240, 8618]	9460	[6596, 11364]	12789	[2232, 13142]
2803	[4756, 4757]	6132	[8619, 7865]	9461	[10553, 5584]	12790	[2748, 11413]
2804	[4758, 4261]	6133	[5067, 5284]	9462	[11365, 5522]	12791	[5605, 712]
2805	[4759, 4760]	6134	[8620, 8621]	9463	[2186, 7000]	12792	[7276, 5627]
2806	[3855, 3476]	6135	[8622, 354]	9464	[5916, 11366]	12793	[11022, 7184]
2807	[4761, 4762]	6136	[4513, 8341]	9465	[2521, 550]	12794	[10326, 11562]
2808	[4763, 3991]	6137	[8623, 8624]	9466	[11367, 10194]	12795	[5555, 958]
2809	[4764, 4765]	6138	[268, 4459]	9467	[7398, 11368]	12796	[13143, 6604]
2810	[4766, 1196]	6139	[7776, 8190]	9468	[10538, 11369]	12797	[11389, 11466]
2811	[1459, 4767]	6140	[8625, 8626]	9469	[10609, 1970]	12798	[10636, 13122]
2812	[4768, 4769]	6141	[1041, 8627]	9470	[10787, 2506]	12799	[10698, 6867]
2813	[1623, 4770]	6142	[8628, 3847]	9471	[6608, 11370]	12800	[11221, 2176]
2814	[4771, 4772]	6143	[8629, 8630]	9472	[7006, 11371]	12801	[3191, 11574]
2815	[4773, 4774]	6144	[8206, 8631]	9473	[7520, 11229]	12802	[5449, 5385]
2816	[4775, 3429]	6145	[3465, 8632]	9474	[2040, 795]	12803	[6726, 6591]
2817	[4776, 1344]	6146	[8633, 1420]	9475	[11372, 5402]	12804	[10823, 7546]
2818	[3403, 403]	6147	[5284, 8634]	9476	[625, 11298]	12805	[5775, 6088]
2819	[4777, 4778]	6148	[8011, 8616]	9477	[2398, 832]	12806	[7444, 10302]
2820	[4779, 4780]	6149	[8635, 8636]	9478	[5644, 2659]	12807	[10763, 11581]
2821	[4781, 4782]	6150	[8637, 4528]	9479	[7605, 3154]	12808	[833, 184]
2822	[1519, 1362]	6151	[391, 3348]	9480	[1952, 6596]	12809	[10695, 6388]
2823	[4783, 4784]	6152	[8638, 8639]	9481	[5946, 11373]	12810	[787, 13118]
2824	[4096, 4785]	6153	[8640, 7975]	9482	[2123, 10374]	12811	[7372, 13144]
2825	[4786, 4787]	6154	[8641, 8642]	9483	[10471, 11374]	12812	[7461, 11566]
2826	[4788, 4789]	6155	[8643, 8644]	9484	[10362, 10477]	12813	[10619, 10728]
2827	[4790, 1571]	6156	[8645, 3318]	9485	[6941, 2846]	12814	[13037, 7007]
2828	[4791, 4792]	6157	[8646, 311]	9486	[188, 11375]	12815	[13145, 6535]
2829	[4793, 1287]	6158	[8647, 4897]	9487	[7394, 5983]	12816	[6431, 10760]
2830	[1799, 4794]	6159	[8193, 4941]	9488	[7401, 1975]	12817	[6092, 549]
2831	[4795, 3512]	6160	[7681, 3326]	9489	[6715, 5830]	12818	[2817, 11678]

2832	[3252, 4796]	6161	[3260, 1657]	9490	[508, 2160]	12819	[2851, 6887]
2833	[3863, 4797]	6162	[8648, 8649]	9491	[2383, 6971]	12820	[6595, 873]
2834	[4798, 4060]	6163	[8650, 8651]	9492	[11376, 723]	12821	[5742, 13031]
2835	[4799, 4433]	6164	[8652, 8221]	9493	[2255, 11377]	12822	[6957, 2518]
2836	[4800, 4801]	6165	[8653, 4188]	9494	[5445, 5481]	12823	[6818, 6669]
2837	[4802, 3361]	6166	[8654, 1611]	9495	[7162, 11378]	12824	[11293, 644]
2838	[4803, 4804]	6167	[8655, 8656]	9496	[11379, 5854]	12825	[2291, 13056]
2839	[4805, 4240]	6168	[8657, 8623]	9497	[5453, 6456]	12826	[2101, 5434]
2840	[1079, 4806]	6169	[8658, 3837]	9498	[11380, 11381]	12827	[3010, 10192]
2841	[4807, 466]	6170	[8659, 7987]	9499	[11325, 11016]	12828	[609, 11154]
2842	[4808, 4307]	6171	[8660, 1607]	9500	[11382, 761]	12829	[5697, 6256]
2843	[3888, 4809]	6172	[1357, 8468]	9501	[6337, 5994]	12830	[13013, 10204]
2844	[4810, 4811]	6173	[8661, 8662]	9502	[6204, 5872]	12831	[11172, 6252]
2845	[4812, 3387]	6174	[8663, 8664]	9503	[10913, 11383]	12832	[7517, 7021]
2846	[4813, 4238]	6175	[1764, 3854]	9504	[11384, 7347]	12833	[13138, 7420]
2847	[4814, 372]	6176	[8665, 7784]	9505	[1917, 2323]	12834	[2982, 11185]
2848	[3859, 4815]	6177	[4131, 4421]	9506	[543, 11385]	12835	[10252, 5617]
2849	[4816, 4817]	6178	[4515, 8375]	9507	[634, 2339]	12836	[5844, 557]
2850	[4818, 4819]	6179	[8666, 8667]	9508	[7652, 6351]	12837	[6085, 11410]
2851	[4820, 4821]	6180	[8668, 7833]	9509	[10348, 6308]	12838	[734, 11473]
2852	[264, 4639]	6181	[8669, 312]	9510	[10835, 6045]	12839	[10996, 6410]
2853	[4822, 4823]	6182	[8670, 5055]	9511	[5497, 2055]	12840	[6521, 2351]
2854	[4824, 4825]	6183	[8671, 8672]	9512	[11245, 11386]	12841	[13073, 10744]
2855	[4826, 4827]	6184	[8673, 7873]	9513	[2507, 7237]	12842	[5739, 598]
2856	[4828, 4829]	6185	[8674, 8675]	9514	[2424, 3180]	12843	[11183, 11282]
2857	[4830, 4831]	6186	[8676, 450]	9515	[2068, 11140]	12844	[10391, 13146]
2858	[4832, 4833]	6187	[3787, 7687]	9516	[11387, 2839]	12845	[10938, 5448]
2859	[4834, 4835]	6188	[8458, 1245]	9517	[2022, 11388]	12846	[13038, 6374]
2860	[4836, 4837]	6189	[8677, 1529]	9518	[5527, 2995]	12847	[11621, 12915]
2861	[4838, 1738]	6190	[8678, 8679]	9519	[10575, 6104]	12848	[7358, 10812]
2862	[4839, 1135]	6191	[1735, 8680]	9520	[11389, 11390]	12849	[11116, 5609]
2863	[3238, 4166]	6192	[4027, 4452]	9521	[11391, 3138]	12850	[5516, 13136]
2864	[4840, 4705]	6193	[8681, 5059]	9522	[10543, 7192]	12851	[11646, 13100]
2865	[4841, 4842]	6194	[8682, 7861]	9523	[5637, 2408]	12852	[11157, 5505]
2866	[4843, 4844]	6195	[8683, 4871]	9524	[10464, 3041]	12853	[7046, 1946]
2867	[4845, 4846]	6196	[3258, 8684]	9525	[41, 2409]	12854	[2745, 10700]
2868	[4847, 4848]	6197	[8685, 8686]	9526	[1986, 11392]	12855	[6482, 12992]
2869	[4849, 4850]	6198	[8687, 8688]	9527	[2066, 2404]	12856	[6394, 206]
2870	[4851, 4852]	6199	[4036, 4704]	9528	[11393, 11394]	12857	[2561, 10440]
2871	[4853, 4854]	6200	[8689, 4853]	9529	[183, 2600]	12858	[5563, 6848]
2872	[4855, 4856]	6201	[8690, 8691]	9530	[11395, 7315]	12859	[11432, 6192]
2873	[4857, 384]	6202	[8692, 8693]	9531	[2333, 6874]	12860	[12953, 10780]
2874	[1011, 3276]	6203	[8436, 1522]	9532	[11396, 11397]	12861	[11528, 11415]
2875	[4858, 3795]	6204	[282, 8688]	9533	[7101, 2184]	12862	[170, 2016]

2876	[4859, 4860]	6205	[8694, 8298]	9534	[11398, 2414]	12863	[13143, 2228]
2877	[4861, 4084]	6206	[8695, 8696]	9535	[2715, 6080]	12864	[6910, 5924]
2878	[4862, 4863]	6207	[8697, 8698]	9536	[11399, 231]	12865	[11682, 143]
2879	[4864, 4139]	6208	[8699, 8645]	9537	[11400, 7494]	12866	[6604, 6783]
2880	[4865, 4866]	6209	[5204, 974]	9538	[11401, 2556]	12867	[6348, 204]
2881	[4867, 3467]	6210	[8700, 4562]	9539	[6990, 11402]	12868	[681, 7574]
2882	[4868, 4869]	6211	[4721, 1267]	9540	[5460, 7592]	12869	[7224, 11019]
2883	[1173, 4870]	6212	[8701, 7708]	9541	[10749, 11191]	12870	[10601, 13113]
2884	[4871, 4872]	6213	[8702, 3505]	9542	[5472, 6156]	12871	[10860, 11093]
2885	[4873, 3602]	6214	[4147, 1463]	9543	[11403, 5479]	12872	[10681, 13024]
2886	[4874, 4875]	6215	[8703, 8704]	9544	[6876, 6811]	12873	[11622, 6332]
2887	[4876, 4877]	6216	[5212, 8705]	9545	[10545, 10323]	12874	[6976, 2009]
2888	[4239, 4695]	6217	[8706, 487]	9546	[11404, 11405]	12875	[2375, 11662]
2889	[4878, 4879]	6218	[8707, 3918]	9547	[10606, 3097]	12876	[12954, 11655]
2890	[4880, 4881]	6219	[8708, 5127]	9548	[11406, 42]	12877	[11606, 11162]
2891	[4882, 3581]	6220	[8709, 314]	9549	[7236, 2520]	12878	[10692, 2617]
2892	[4883, 4884]	6221	[8710, 4802]	9550	[878, 5393]	12879	[11138, 13147]
2893	[4885, 4280]	6222	[1619, 8711]	9551	[2910, 6637]	12880	[10244, 11540]
2894	[4886, 4887]	6223	[8712, 1536]	9552	[11407, 6980]	12881	[7117, 5704]
2895	[4342, 1061]	6224	[8713, 8058]	9553	[11408, 738]	12882	[7058, 13142]
2896	[4888, 4889]	6225	[8714, 1564]	9554	[11409, 5634]	12883	[2146, 11140]
2897	[4890, 3605]	6226	[8715, 292]	9555	[2635, 10337]	12884	[10690, 5738]
2898	[4891, 4649]	6227	[8716, 4816]	9556	[10605, 5720]	12885	[12985, 3125]
2899	[4892, 3643]	6228	[374, 8034]	9557	[5568, 11410]	12886	[10704, 6189]
2900	[4893, 4894]	6229	[5105, 8717]	9558	[7033, 11411]	12887	[13066, 2401]
2901	[4895, 4896]	6230	[8718, 1327]	9559	[10369, 11412]	12888	[10299, 7547]
2902	[1563, 4897]	6231	[8719, 8040]	9560	[5534, 189]	12889	[7318, 13146]
2903	[4898, 4899]	6232	[8720, 8721]	9561	[11413, 2516]	12890	[11236, 10565]
2904	[4900, 4901]	6233	[8722, 8559]	9562	[11414, 11415]	12891	[2365, 6482]
2905	[4241, 4902]	6234	[8723, 8724]	9563	[6794, 11387]	12892	[7489, 10706]
2906	[4903, 4329]	6235	[8725, 3399]	9564	[11416, 10584]	12893	[7279, 896]
2907	[4904, 3999]	6236	[8726, 3855]	9565	[11417, 2091]	12894	[6642, 10930]
2908	[4905, 4906]	6237	[8727, 8728]	9566	[5373, 3182]	12895	[11453, 5701]
2909	[4907, 4908]	6238	[8729, 5168]	9567	[7294, 11418]	12896	[13068, 2998]
2910	[3248, 497]	6239	[8730, 8731]	9568	[3090, 6490]	12897	[6591, 7338]
2911	[4909, 4910]	6240	[8732, 1465]	9569	[2520, 7618]	12898	[2036, 11094]
2912	[4911, 4364]	6241	[1116, 8719]	9570	[10496, 3005]	12899	[2843, 10754]
2913	[4912, 4913]	6242	[8733, 7917]	9571	[11419, 180]	12900	[2950, 59]
2914	[4914, 4593]	6243	[8734, 3833]	9572	[10157, 2594]	12901	[5667, 11121]
2915	[4915, 4192]	6244	[8735, 7860]	9573	[10411, 1914]	12902	[2948, 7540]
2916	[4916, 4917]	6245	[8736, 8737]	9574	[5724, 5812]	12903	[13086, 5877]
2917	[4918, 4427]	6246	[8738, 5209]	9575	[3102, 6408]	12904	[13003, 219]
2918	[4919, 4920]	6247	[8739, 8155]	9576	[11420, 10194]	12905	[13148, 8501]
2919	[4921, 1642]	6248	[8740, 368]	9577	[2147, 11421]	12906	[7773, 4793]

2920	[1778, 4922]	6249	[8741, 1053]	9578	[11422, 11423]	12907	[13149, 1742]
2921	[4923, 4924]	6250	[8742, 1554]	9579	[7219, 2469]	12908	[13150, 7824]
2922	[4925, 4926]	6251	[8743, 8744]	9580	[11424, 5318]	12909	[8608, 3571]
2923	[4927, 4928]	6252	[8745, 4977]	9581	[703, 5389]	12910	[4714, 10007]
2924	[4929, 4930]	6253	[8746, 8747]	9582	[2929, 5955]	12911	[7710, 5078]
2925	[4931, 4932]	6254	[8748, 8393]	9583	[11425, 11050]	12912	[13151, 8154]
2926	[4933, 3576]	6255	[8749, 8750]	9584	[11426, 10268]	12913	[13152, 13153]
2927	[4934, 3617]	6256	[8751, 8752]	9585	[5626, 7277]	12914	[13154, 9262]
2928	[4935, 340]	6257	[3898, 8753]	9586	[11427, 2773]	12915	[13155, 3572]
2929	[4936, 4937]	6258	[8754, 3823]	9587	[11413, 10824]	12916	[13156, 4931]
2930	[4938, 4939]	6259	[8755, 1288]	9588	[6590, 7056]	12917	[8890, 124]
2931	[4940, 4941]	6260	[8756, 8757]	9589	[7430, 10257]	12918	[4071, 4618]
2932	[4942, 1400]	6261	[8758, 8759]	9590	[11428, 10491]	12919	[13157, 4419]
2933	[4943, 4944]	6262	[8760, 1096]	9591	[11429, 11430]	12920	[13158, 10102]
2934	[4945, 4946]	6263	[8761, 7756]	9592	[11431, 5957]	12921	[13159, 12642]
2935	[4947, 4948]	6264	[8762, 8763]	9593	[11432, 11046]	12922	[13160, 13161]
2936	[4949, 380]	6265	[8764, 4533]	9594	[11433, 11434]	12923	[8096, 4113]
2937	[4950, 4951]	6266	[8765, 8766]	9595	[2605, 10834]	12924	[4398, 1780]
2938	[4952, 4953]	6267	[3352, 8767]	9596	[6122, 2352]	12925	[4181, 13162]
2939	[4954, 1711]	6268	[8656, 8768]	9597	[11239, 10845]	12926	[4550, 4382]
2940	[4955, 4956]	6269	[8769, 8770]	9598	[556, 11435]	12927	[3757, 8707]
2941	[4957, 3970]	6270	[8771, 4672]	9599	[11436, 11437]	12928	[13163, 7681]
2942	[4958, 4959]	6271	[5264, 8555]	9600	[2477, 10286]	12929	[13164, 11924]
2943	[4960, 4961]	6272	[8772, 8773]	9601	[821, 2462]	12930	[13165, 8911]
2944	[3582, 1371]	6273	[7884, 8774]	9602	[11193, 724]	12931	[9853, 8841]
2945	[4962, 1603]	6274	[8775, 7921]	9603	[11438, 2342]	12932	[13166, 7718]
2946	[4963, 4964]	6275	[8092, 8721]	9604	[6603, 11439]	12933	[11846, 4256]
2947	[4965, 4966]	6276	[8776, 495]	9605	[11440, 6239]	12934	[13167, 13168]
2948	[4967, 4968]	6277	[8777, 4358]	9606	[5840, 7265]	12935	[3785, 1122]
2949	[4969, 1522]	6278	[8778, 8779]	9607	[10647, 783]	12936	[13169, 8021]
2950	[4970, 4971]	6279	[8780, 8781]	9608	[2248, 2564]	12937	[13170, 3782]
2951	[3310, 4972]	6280	[8450, 8782]	9609	[10370, 2282]	12938	[8679, 12134]
2952	[4973, 4439]	6281	[8783, 8784]	9610	[7517, 7038]	12939	[13171, 4889]
2953	[4974, 3604]	6282	[8785, 8773]	9611	[2002, 11441]	12940	[5185, 4802]
2954	[4975, 1469]	6283	[8786, 7988]	9612	[11442, 5696]	12941	[4753, 12082]
2955	[4976, 4977]	6284	[8787, 8788]	9613	[6551, 10669]	12942	[4686, 13172]
2956	[4978, 4979]	6285	[1436, 8789]	9614	[10542, 2632]	12943	[1759, 1480]
2957	[1440, 4980]	6286	[8790, 8703]	9615	[11069, 2050]	12944	[13173, 3513]
2958	[4981, 4982]	6287	[8791, 7824]	9616	[11443, 11444]	12945	[3878, 9445]
2959	[1546, 4983]	6288	[1414, 1246]	9617	[11445, 540]	12946	[13174, 13175]
2960	[4984, 3514]	6289	[8792, 8793]	9618	[11446, 6263]	12947	[13176, 8696]
2961	[4985, 3543]	6290	[8794, 3327]	9619	[10294, 5655]	12948	[3530, 8019]
2962	[4986, 3787]	6291	[4336, 8795]	9620	[518, 11447]	12949	[9506, 13177]
2963	[4987, 1548]	6292	[8796, 4529]	9621	[11448, 11449]	12950	[1751, 9380]

2964	[4988, 4989]	6293	[8797, 3860]	9622	[11450, 2945]	12951	[8477, 8271]
2965	[4990, 4991]	6294	[8696, 3482]	9623	[5619, 938]	12952	[13178, 7743]
2966	[4992, 4527]	6295	[8798, 5006]	9624	[1856, 11451]	12953	[13179, 11686]
2967	[4993, 4994]	6296	[8799, 8800]	9625	[643, 2113]	12954	[3810, 1443]
2968	[4995, 350]	6297	[8781, 3613]	9626	[5896, 6008]	12955	[13180, 9983]
2969	[4796, 3800]	6298	[8801, 8802]	9627	[11452, 5475]	12956	[13181, 3642]
2970	[4996, 1367]	6299	[8803, 8804]	9628	[11453, 2618]	12957	[4587, 8080]
2971	[3697, 4997]	6300	[8805, 8806]	9629	[10627, 5558]	12958	[9688, 8763]
2972	[3360, 4998]	6301	[8807, 8808]	9630	[6827, 2564]	12959	[8688, 11851]
2973	[4999, 114]	6302	[4233, 8809]	9631	[7596, 11454]	12960	[13182, 4980]
2974	[1297, 4919]	6303	[8810, 7745]	9632	[2481, 1858]	12961	[13183, 7898]
2975	[5000, 1160]	6304	[8295, 4643]	9633	[11355, 6150]	12962	[8346, 9308]
2976	[440, 5001]	6305	[8811, 4345]	9634	[11455, 11456]	12963	[13184, 11910]
2977	[5002, 435]	6306	[8812, 8813]	9635	[6287, 7603]	12964	[13185, 266]
2978	[5003, 5004]	6307	[8814, 1507]	9636	[5495, 5888]	12965	[13186, 12151]
2979	[5005, 4065]	6308	[8815, 3255]	9637	[11457, 6686]	12966	[3478, 8345]
2980	[5006, 5007]	6309	[3588, 8816]	9638	[7489, 6700]	12967	[13187, 7897]
2981	[5008, 4383]	6310	[8817, 8768]	9639	[2000, 11458]	12968	[13188, 4972]
2982	[5009, 5010]	6311	[7818, 1777]	9640	[11459, 2259]	12969	[3322, 13189]
2983	[5011, 5012]	6312	[7912, 8198]	9641	[3062, 2499]	12970	[13190, 307]
2984	[5013, 5014]	6313	[8818, 447]	9642	[2722, 11460]	12971	[8050, 4995]
2985	[5015, 5016]	6314	[8819, 1012]	9643	[11461, 5720]	12972	[12195, 12020]
2986	[5017, 4467]	6315	[4657, 8820]	9644	[2658, 10674]	12973	[5152, 9730]
2987	[5018, 5019]	6316	[8821, 4205]	9645	[6172, 6015]	12974	[7806, 9914]
2988	[5020, 5021]	6317	[1151, 4546]	9646	[7164, 11294]	12975	[3751, 3229]
2989	[1780, 5022]	6318	[8822, 3636]	9647	[11462, 11186]	12976	[13191, 9842]
2990	[5023, 3803]	6319	[5064, 1663]	9648	[7253, 734]	12977	[9142, 12588]
2991	[5024, 1547]	6320	[8823, 3836]	9649	[5975, 10616]	12978	[7771, 8664]
2992	[5025, 5026]	6321	[8824, 8825]	9650	[11463, 2168]	12979	[13192, 5115]
2993	[4009, 4140]	6322	[3767, 8826]	9651	[3138, 11464]	12980	[13193, 8684]
2994	[3222, 5027]	6323	[8827, 3949]	9652	[11465, 11466]	12981	[13194, 10074]
2995	[5028, 5029]	6324	[5056, 8828]	9653	[10413, 710]	12982	[13195, 8557]
2996	[5030, 3213]	6325	[8829, 8830]	9654	[2385, 7127]	12983	[10137, 25]
2997	[5031, 5032]	6326	[8831, 8832]	9655	[10181, 6129]	12984	[13196, 10103]
2998	[3643, 5033]	6327	[8833, 8624]	9656	[5795, 5900]	12985	[4084, 5198]
2999	[5034, 5035]	6328	[8834, 4065]	9657	[11467, 11132]	12986	[8848, 1813]
3000	[5036, 5037]	6329	[8835, 8836]	9658	[6381, 7513]	12987	[4922, 1556]
3001	[5038, 5039]	6330	[8837, 8392]	9659	[5767, 6782]	12988	[13197, 13198]
3002	[5040, 1385]	6331	[8838, 8839]	9660	[2328, 11468]	12989	[13199, 13200]
3003	[5041, 3480]	6332	[8840, 8371]	9661	[11469, 11470]	12990	[13201, 13202]
3004	[5042, 4273]	6333	[8841, 4286]	9662	[10978, 754]	12991	[13203, 11949]
3005	[5043, 5044]	6334	[3681, 4834]	9663	[5509, 11471]	12992	[13204, 4004]
3006	[5045, 5046]	6335	[8842, 1108]	9664	[10513, 10944]	12993	[13205, 1468]
3007	[5047, 5048]	6336	[8843, 1109]	9665	[10393, 6449]	12994	[12104, 13206]

3008	[94, 4170]	6337	[8844, 8845]	9666	[7044, 7430]	12995	[13207, 11725]
3009	[5049, 4906]	6338	[8846, 4383]	9667	[7331, 11472]	12996	[13208, 1717]
3010	[5050, 5051]	6339	[8847, 8848]	9668	[11252, 10852]	12997	[1249, 13209]
3011	[5052, 5053]	6340	[1565, 5294]	9669	[1866, 538]	12998	[13210, 5266]
3012	[4860, 5054]	6341	[3563, 7825]	9670	[1884, 11473]	12999	[9127, 10041]
3013	[5055, 3333]	6342	[8849, 8850]	9671	[10683, 6475]	13000	[13211, 8082]
3014	[100, 5056]	6343	[8851, 8852]	9672	[6260, 11074]	13001	[12877, 4880]
3015	[5057, 1262]	6344	[8853, 8854]	9673	[5671, 11474]	13002	[13212, 4258]
3016	[1553, 5058]	6345	[8303, 8855]	9674	[11475, 11102]	13003	[13213, 9580]
3017	[5059, 5060]	6346	[8856, 8207]	9675	[5407, 6540]	13004	[1105, 8212]
3018	[5061, 3947]	6347	[3331, 5286]	9676	[11476, 940]	13005	[13214, 12438]
3019	[5062, 4165]	6348	[8857, 405]	9677	[2606, 3004]	13006	[13215, 268]
3020	[5063, 5064]	6349	[8858, 3271]	9678	[6059, 2641]	13007	[4298, 7860]
3021	[3344, 5065]	6350	[8859, 8860]	9679	[7378, 11477]	13008	[13216, 12683]
3022	[5066, 5067]	6351	[8861, 8862]	9680	[11403, 2211]	13009	[4977, 8540]
3023	[5068, 4090]	6352	[8863, 1190]	9681	[11478, 2331]	13010	[13217, 10150]
3024	[3350, 5069]	6353	[4983, 8850]	9682	[3008, 2486]	13011	[13218, 3822]
3025	[5070, 3243]	6354	[8864, 8865]	9683	[11479, 11125]	13012	[9694, 4540]
3026	[1047, 5071]	6355	[8866, 1714]	9684	[656, 6694]	13013	[3886, 8152]
3027	[5072, 4124]	6356	[444, 8867]	9685	[6130, 2907]	13014	[13219, 4101]
3028	[5073, 5074]	6357	[3596, 8868]	9686	[10350, 2559]	13015	[3356, 13220]
3029	[5075, 4367]	6358	[4280, 3492]	9687	[11480, 10634]	13016	[13221, 4722]
3030	[5076, 5077]	6359	[8869, 1314]	9688	[3106, 6434]	13017	[12486, 9536]
3031	[378, 1785]	6360	[7673, 8349]	9689	[7292, 6644]	13018	[13222, 8041]
3032	[1418, 278]	6361	[1410, 4169]	9690	[139, 11048]	13019	[3679, 4896]
3033	[5078, 976]	6362	[8870, 3680]	9691	[804, 11481]	13020	[13223, 9507]
3034	[5079, 3460]	6363	[8871, 3737]	9692	[11482, 3027]	13021	[8989, 13224]
3035	[5080, 5081]	6364	[8261, 3951]	9693	[11287, 2311]	13022	[13225, 13226]
3036	[5082, 1349]	6365	[3837, 8390]	9694	[5743, 3129]	13023	[3293, 5225]
3037	[5083, 5084]	6366	[8121, 5103]	9695	[11483, 11484]	13024	[1000, 9142]
3038	[5085, 5086]	6367	[8872, 320]	9696	[6189, 11485]	13025	[13227, 8772]
3039	[5087, 5088]	6368	[1193, 8873]	9697	[2960, 11486]	13026	[12331, 7737]
3040	[5089, 5090]	6369	[8874, 336]	9698	[2410, 7020]	13027	[12216, 1493]
3041	[4455, 3987]	6370	[8875, 8876]	9699	[1988, 11487]	13028	[13228, 12076]
3042	[5091, 5092]	6371	[8877, 7776]	9700	[6474, 10684]	13029	[12106, 8584]
3043	[1099, 5093]	6372	[5046, 8878]	9701	[7198, 5354]	13030	[4924, 13229]
3044	[5094, 1355]	6373	[20, 8879]	9702	[2258, 11488]	13031	[13230, 5177]
3045	[5095, 5096]	6374	[7694, 1518]	9703	[2411, 11369]	13032	[13231, 3905]
3046	[4833, 4082]	6375	[5027, 3743]	9704	[11489, 11490]	13033	[13232, 3746]
3047	[4403, 5097]	6376	[294, 4946]	9705	[5604, 10457]	13034	[13233, 4852]
3048	[5098, 4949]	6377	[3420, 4591]	9706	[5349, 145]	13035	[12243, 8412]
3049	[5099, 3595]	6378	[7888, 8800]	9707	[11491, 6802]	13036	[3971, 13234]
3050	[4848, 5100]	6379	[8880, 8881]	9708	[2832, 5618]	13037	[13235, 12062]
3051	[5101, 1263]	6380	[8882, 3934]	9709	[11492, 6497]	13038	[13236, 4204]

3052	[5102, 5103]	6381	[8883, 4921]	9710	[2433, 792]	13039	[3568, 3322]
3053	[5104, 3890]	6382	[8884, 8885]	9711	[11493, 10872]	13040	[13237, 488]
3054	[5026, 5105]	6383	[4598, 8886]	9712	[11427, 5378]	13041	[12690, 3764]
3055	[5106, 4533]	6384	[8887, 3745]	9713	[2133, 11494]	13042	[13238, 3269]
3056	[5107, 5108]	6385	[8888, 1274]	9714	[11003, 5382]	13043	[13239, 1334]
3057	[5109, 1770]	6386	[8889, 8240]	9715	[11495, 5858]	13044	[9893, 5291]
3058	[4104, 5110]	6387	[8140, 8890]	9716	[2348, 2993]	13045	[12432, 120]
3059	[5111, 3953]	6388	[96, 1695]	9717	[11496, 10451]	13046	[13240, 1253]
3060	[5112, 1445]	6389	[8891, 8892]	9718	[11151, 11497]	13047	[13241, 969]
3061	[5113, 5114]	6390	[8893, 8894]	9719	[2095, 11498]	13048	[13242, 7967]
3062	[5115, 4370]	6391	[8895, 3797]	9720	[11499, 880]	13049	[3904, 987]
3063	[5116, 5117]	6392	[1727, 8896]	9721	[10617, 10680]	13050	[13243, 76]
3064	[5118, 376]	6393	[8897, 1768]	9722	[6588, 10947]	13051	[13244, 8512]
3065	[5119, 4747]	6394	[3909, 4026]	9723	[7295, 6940]	13052	[13245, 8282]
3066	[5120, 5121]	6395	[8457, 8898]	9724	[6137, 11500]	13053	[9868, 8954]
3067	[5122, 3490]	6396	[8899, 4354]	9725	[6801, 10872]	13054	[13246, 4570]
3068	[5123, 5124]	6397	[8900, 8901]	9726	[11501, 7420]	13055	[13247, 9108]
3069	[3375, 4732]	6398	[8902, 1764]	9727	[6521, 618]	13056	[13248, 1732]
3070	[5125, 5126]	6399	[8903, 7857]	9728	[11502, 6595]	13057	[13249, 4920]
3071	[4066, 1393]	6400	[8904, 5236]	9729	[10840, 128]	13058	[3622, 1654]
3072	[5127, 3914]	6401	[8905, 8009]	9730	[11503, 2417]	13059	[13250, 5135]
3073	[5128, 5129]	6402	[7960, 8906]	9731	[11231, 2651]	13060	[13251, 5060]
3074	[5130, 1685]	6403	[8907, 8427]	9732	[10813, 7022]	13061	[13252, 3240]
3075	[5131, 4766]	6404	[8908, 8909]	9733	[11181, 11504]	13062	[13253, 4458]
3076	[5132, 5133]	6405	[8910, 1631]	9734	[11505, 5799]	13063	[11788, 13254]
3077	[5134, 1772]	6406	[8911, 8912]	9735	[6911, 5393]	13064	[13255, 5]
3078	[5135, 5136]	6407	[8913, 3698]	9736	[11506, 586]	13065	[13256, 328]
3079	[5137, 1022]	6408	[8914, 4671]	9737	[7648, 6424]	13066	[13257, 11801]
3080	[5138, 429]	6409	[8915, 8238]	9738	[10882, 10535]	13067	[13258, 11711]
3081	[5139, 4379]	6410	[8916, 4274]	9739	[3147, 11507]	13068	[13259, 5034]
3082	[5140, 5141]	6411	[8917, 8918]	9740	[10441, 6021]	13069	[13260, 13199]
3083	[5142, 5143]	6412	[8919, 8353]	9741	[11465, 11390]	13070	[13261, 5013]
3084	[5144, 5145]	6413	[4879, 8920]	9742	[11508, 139]	13071	[1044, 12326]
3085	[5146, 4712]	6414	[8921, 4930]	9743	[11509, 2886]	13072	[12583, 4948]
3086	[5147, 5110]	6415	[1303, 8922]	9744	[11510, 2733]	13073	[13262, 8172]
3087	[5148, 4792]	6416	[8808, 8923]	9745	[11511, 2838]	13074	[8013, 5005]
3088	[5149, 5150]	6417	[3804, 5260]	9746	[6853, 10365]	13075	[9640, 3697]
3089	[5151, 5152]	6418	[8924, 7877]	9747	[7237, 2647]	13076	[13263, 1704]
3090	[5153, 5154]	6419	[8925, 1303]	9748	[6095, 1831]	13077	[7869, 11739]
3091	[4844, 111]	6420	[4842, 8926]	9749	[1907, 11512]	13078	[13264, 12860]
3092	[5155, 382]	6421	[8927, 4798]	9750	[5528, 11513]	13079	[13265, 9955]
3093	[5156, 5157]	6422	[8928, 8929]	9751	[6055, 5535]	13080	[13266, 8828]
3094	[5158, 4755]	6423	[8930, 4335]	9752	[11105, 10220]	13081	[13267, 13268]
3095	[5159, 5160]	6424	[8931, 1196]	9753	[11514, 11515]	13082	[13269, 8786]

3096	[5161, 3540]	6425	[8932, 1644]	9754	[10797, 11516]	13083	[8353, 367]
3097	[5162, 5163]	6426	[8933, 8934]	9755	[11203, 6516]	13084	[13270, 11722]
3098	[5164, 5165]	6427	[8935, 4316]	9756	[2279, 6261]	13085	[13268, 8862]
3099	[5166, 5167]	6428	[8936, 1043]	9757	[11517, 2749]	13086	[3755, 13271]
3100	[5168, 3469]	6429	[8804, 4742]	9758	[7574, 11518]	13087	[13272, 8126]
3101	[4994, 5169]	6430	[4159, 1323]	9759	[2205, 7015]	13088	[12454, 5026]
3102	[5170, 3635]	6431	[8937, 8938]	9760	[2895, 10984]	13089	[13273, 9338]
3103	[5171, 5172]	6432	[8939, 1600]	9761	[11519, 10532]	13090	[9804, 4192]
3104	[5173, 5174]	6433	[8940, 3376]	9762	[2374, 561]	13091	[13274, 4851]
3105	[5175, 446]	6434	[3736, 8941]	9763	[11387, 7259]	13092	[9788, 1001]
3106	[393, 5176]	6435	[8942, 1184]	9764	[10343, 6102]	13093	[5141, 13275]
3107	[4447, 5177]	6436	[8943, 4009]	9765	[11520, 10828]	13094	[13189, 8848]
3108	[5178, 3672]	6437	[8944, 4542]	9766	[6501, 2432]	13095	[13276, 8025]
3109	[4784, 5179]	6438	[8945, 8946]	9767	[5860, 2984]	13096	[13277, 4617]
3110	[5180, 3804]	6439	[8947, 8948]	9768	[11521, 622]	13097	[9514, 4846]
3111	[5181, 1411]	6440	[8949, 8073]	9769	[6405, 854]	13098	[3550, 8047]
3112	[5182, 5183]	6441	[8950, 1129]	9770	[2668, 6458]	13099	[12661, 419]
3113	[5184, 5185]	6442	[8951, 8952]	9771	[6867, 2612]	13100	[13278, 1485]
3114	[1766, 5186]	6443	[8953, 8954]	9772	[2508, 2647]	13101	[4980, 1718]
3115	[5187, 4594]	6444	[8955, 8956]	9773	[6571, 10876]	13102	[13279, 3758]
3116	[5188, 4124]	6445	[7698, 8276]	9774	[2714, 5429]	13103	[13280, 13281]
3117	[28, 5189]	6446	[8957, 4428]	9775	[11469, 10186]	13104	[1350, 9188]
3118	[5190, 5191]	6447	[8958, 8959]	9776	[11296, 11522]	13105	[13282, 9867]
3119	[5192, 3954]	6448	[7958, 3243]	9777	[11523, 10782]	13106	[11949, 3311]
3120	[4671, 5193]	6449	[8918, 4148]	9778	[2223, 11524]	13107	[13177, 13283]
3121	[5194, 4525]	6450	[8960, 8961]	9779	[891, 609]	13108	[12543, 11846]
3122	[5195, 4763]	6451	[8962, 4254]	9780	[11198, 6946]	13109	[4700, 9491]
3123	[4466, 3737]	6452	[8963, 8964]	9781	[5826, 7210]	13110	[9921, 3641]
3124	[5196, 5197]	6453	[8965, 8966]	9782	[11483, 6632]	13111	[13284, 1021]
3125	[3701, 4131]	6454	[8967, 8284]	9783	[6320, 6459]	13112	[13285, 258]
3126	[5198, 1457]	6455	[4505, 8968]	9784	[11442, 7364]	13113	[13286, 5019]
3127	[3746, 5199]	6456	[8969, 4818]	9785	[11525, 2201]	13114	[9324, 8430]
3128	[5200, 5097]	6457	[8970, 3]	9786	[2999, 6203]	13115	[13287, 4757]
3129	[5201, 5202]	6458	[8971, 3248]	9787	[5610, 7151]	13116	[13288, 12720]
3130	[5203, 5204]	6459	[8972, 3946]	9788	[11526, 7322]	13117	[4617, 5295]
3131	[5205, 4250]	6460	[8973, 8974]	9789	[6509, 2254]	13118	[13289, 3921]
3132	[5206, 3528]	6461	[8975, 7968]	9790	[11400, 11527]	13119	[12815, 11812]
3133	[1548, 5207]	6462	[8054, 1474]	9791	[2846, 7426]	13120	[13290, 463]
3134	[5208, 5209]	6463	[8976, 4108]	9792	[11528, 11529]	13121	[13291, 1569]
3135	[5210, 4554]	6464	[8977, 8978]	9793	[5772, 3069]	13122	[13292, 4770]
3136	[5211, 5212]	6465	[8979, 3575]	9794	[2551, 10784]	13123	[9916, 4260]
3137	[4421, 5213]	6466	[8980, 8981]	9795	[11303, 5808]	13124	[13293, 1209]
3138	[5214, 5052]	6467	[8982, 8983]	9796	[6979, 11530]	13125	[13294, 3307]
3139	[4572, 5215]	6468	[1301, 8984]	9797	[2801, 11531]	13126	[13295, 12159]

3140	[4276, 3439]	6469	[1221, 8985]	9798	[11532, 11533]	13127	[8954, 1374]
3141	[5216, 5217]	6470	[8986, 8987]	9799	[10269, 11270]	13128	[9172, 13296]
3142	[5218, 5219]	6471	[3277, 7712]	9800	[627, 11534]	13129	[13297, 13298]
3143	[5220, 1552]	6472	[8988, 3615]	9801	[7484, 11535]	13130	[13299, 8705]
3144	[5221, 5222]	6473	[5277, 8989]	9802	[3119, 11536]	13131	[13300, 9250]
3145	[5223, 3930]	6474	[4038, 8990]	9803	[2643, 10909]	13132	[13301, 9664]
3146	[5224, 297]	6475	[8991, 1321]	9804	[10945, 11537]	13133	[11726, 5174]
3147	[5225, 5226]	6476	[8992, 8993]	9805	[7108, 11481]	13134	[13302, 9579]
3148	[5227, 1278]	6477	[8994, 1259]	9806	[2081, 11538]	13135	[12695, 13303]
3149	[5228, 4734]	6478	[8839, 8995]	9807	[11539, 2961]	13136	[13304, 4128]
3150	[1482, 3435]	6479	[7679, 3927]	9808	[2472, 11540]	13137	[13305, 13306]
3151	[5229, 5230]	6480	[8996, 5099]	9809	[3094, 7267]	13138	[1089, 3548]
3152	[5231, 5232]	6481	[8997, 1459]	9810	[11541, 524]	13139	[13307, 113]
3153	[434, 5233]	6482	[8998, 5221]	9811	[10344, 2867]	13140	[13308, 4736]
3154	[5234, 3776]	6483	[8999, 9000]	9812	[7059, 5528]	13141	[11908, 4030]
3155	[5235, 5236]	6484	[9001, 9002]	9813	[10328, 11542]	13142	[13309, 8896]
3156	[5237, 5238]	6485	[9003, 3398]	9814	[5887, 11543]	13143	[12251, 13310]
3157	[5239, 5240]	6486	[8879, 4165]	9815	[10674, 11544]	13144	[13311, 12607]
3158	[5241, 1464]	6487	[4846, 4633]	9816	[11073, 11545]	13145	[1363, 8199]
3159	[300, 5157]	6488	[9004, 5022]	9817	[11546, 2224]	13146	[3947, 8508]
3160	[5242, 351]	6489	[9005, 9006]	9818	[2460, 11458]	13147	[12316, 8747]
3161	[5243, 5244]	6490	[9007, 4266]	9819	[11000, 11547]	13148	[5328, 6811]
3162	[5245, 4237]	6491	[9008, 9009]	9820	[10618, 57]	13149	[6080, 13132]
3163	[5246, 5247]	6492	[9010, 9011]	9821	[10793, 6570]	13150	[7636, 5397]
3164	[5248, 4651]	6493	[7871, 9012]	9822	[590, 5372]	13151	[6349, 6809]
3165	[5249, 5250]	6494	[9013, 9014]	9823	[11548, 3176]	13152	[6001, 2528]
3166	[4025, 5251]	6495	[9015, 4044]	9824	[5379, 6214]	13153	[905, 6758]
3167	[5252, 5253]	6496	[8852, 4461]	9825	[7539, 11549]	13154	[11177, 7199]
3168	[5254, 5255]	6497	[1596, 4658]	9826	[7640, 140]	13155	[5868, 11037]
3169	[5256, 77]	6498	[9016, 3667]	9827	[10703, 752]	13156	[13089, 2769]
3170	[5257, 3470]	6499	[9017, 9018]	9828	[2078, 5513]	13157	[11072, 2484]
3171	[5258, 3318]	6500	[9019, 4682]	9829	[6264, 11550]	13158	[11207, 6141]
3172	[5259, 5260]	6501	[9020, 9021]	9830	[11551, 7009]	13159	[6241, 10855]
3173	[5261, 4484]	6502	[9022, 8153]	9831	[6029, 10729]	13160	[11141, 11659]
3174	[5262, 1527]	6503	[74, 5140]	9832	[11552, 10483]	13161	[7392, 2586]
3175	[5263, 5264]	6504	[9023, 9024]	9833	[2679, 2164]	13162	[7476, 6018]
3176	[5265, 3595]	6505	[8892, 8166]	9834	[10743, 11553]	13163	[11363, 10859]
3177	[1124, 5266]	6506	[9025, 9026]	9835	[11554, 3101]	13164	[10490, 13077]
3178	[5267, 5268]	6507	[9027, 487]	9836	[10568, 3041]	13165	[11631, 11023]
3179	[5269, 5270]	6508	[8300, 8382]	9837	[11309, 7386]	13166	[10337, 200]
3180	[4189, 289]	6509	[9028, 4674]	9838	[11555, 5364]	13167	[11546, 11524]
3181	[5271, 3575]	6510	[9029, 9030]	9839	[10449, 11556]	13168	[6346, 11661]
3182	[5272, 5273]	6511	[9031, 3422]	9840	[5575, 11072]	13169	[6741, 13139]
3183	[5274, 5275]	6512	[9032, 9033]	9841	[11557, 11477]	13170	[2058, 11663]

3184	[5276, 367]	6513	[9034, 3491]	9842	[6767, 2142]	13171	[5997, 2397]
3185	[1588, 5277]	6514	[5124, 9035]	9843	[5426, 11558]	13172	[11605, 1883]
3186	[5278, 4820]	6515	[9036, 9037]	9844	[10925, 2327]	13173	[10992, 13119]
3187	[5279, 5280]	6516	[9038, 1616]	9845	[11559, 6787]	13174	[2378, 10929]
3188	[4249, 4502]	6517	[9039, 9040]	9846	[11216, 731]	13175	[11532, 6316]
3189	[5281, 5282]	6518	[9041, 9042]	9847	[5851, 736]	13176	[2284, 10404]
3190	[5283, 5284]	6519	[9043, 9044]	9848	[11091, 5466]	13177	[11163, 6130]
3191	[5285, 5286]	6520	[9045, 492]	9849	[11560, 7399]	13178	[6061, 6846]
3192	[5287, 4097]	6521	[9046, 1198]	9850	[11561, 2630]	13179	[3185, 12912]
3193	[5288, 5289]	6522	[9047, 4660]	9851	[676, 11562]	13180	[11351, 11081]
3194	[1390, 5290]	6523	[9048, 3677]	9852	[6160, 11563]	13181	[11426, 11271]
3195	[5291, 5292]	6524	[7716, 9011]	9853	[11564, 5862]	13182	[7400, 6566]
3196	[5293, 5294]	6525	[9049, 9050]	9854	[2616, 11194]	13183	[13127, 11356]
3197	[5295, 1786]	6526	[8642, 9051]	9855	[717, 5790]	13184	[9, 12948]
3198	[1241, 5296]	6527	[4638, 4760]	9856	[10824, 11565]	13185	[1838, 10735]
3199	[5297, 5251]	6528	[9052, 8515]	9857	[7510, 2606]	13186	[7269, 13141]
3200	[5298, 5299]	6529	[9053, 3869]	9858	[7587, 11566]	13187	[778, 10337]
3201	[1295, 5300]	6530	[330, 3894]	9859	[10438, 11567]	13188	[654, 11545]
3202	[5301, 3912]	6531	[9054, 8983]	9860	[2854, 10455]	13189	[13117, 3196]
3203	[5302, 5303]	6532	[9055, 4971]	9861	[6223, 11568]	13190	[6648, 11178]
3204	[5304, 5056]	6533	[9056, 1478]	9862	[1969, 10610]	13191	[5991, 10352]
3205	[4655, 5305]	6534	[9057, 9058]	9863	[2792, 10402]	13192	[6013, 6752]
3206	[5306, 5307]	6535	[9059, 3346]	9864	[10932, 10856]	13193	[11315, 10266]
3207	[5308, 4502]	6536	[9060, 4129]	9865	[10323, 10264]	13194	[6103, 10576]
3208	[5309, 5310]	6537	[9061, 4150]	9866	[11569, 7332]	13195	[11677, 10607]
3209	[5311, 5312]	6538	[9062, 9063]	9867	[10402, 933]	13196	[13145, 10515]
3210	[5313, 5314]	6539	[9064, 8574]	9868	[7084, 6063]	13197	[6007, 6141]
3211	[5315, 5316]	6540	[9065, 9066]	9869	[2975, 11570]	13198	[11099, 2180]
3212	[5317, 553]	6541	[4011, 9067]	9870	[6890, 10911]	13199	[10951, 7184]
3213	[5318, 153]	6542	[9068, 3741]	9871	[5986, 6830]	13200	[10635, 2310]
3214	[5319, 5320]	6543	[9014, 9069]	9872	[10176, 2291]	13201	[7391, 5651]
3215	[2583, 5321]	6544	[9070, 8769]	9873	[11571, 1872]	13202	[11404, 5447]
3216	[735, 5322]	6545	[9071, 8659]	9874	[707, 7636]	13203	[7064, 6179]
3217	[5323, 5324]	6546	[9072, 3601]	9875	[7305, 2320]	13204	[818, 6339]
3218	[2461, 822]	6547	[9073, 7957]	9876	[6332, 11072]	13205	[13054, 882]
3219	[5325, 5326]	6548	[9074, 3755]	9877	[11572, 241]	13206	[11514, 2429]
3220	[5327, 1897]	6549	[9075, 9076]	9878	[6275, 11573]	13207	[6749, 11579]
3221	[5328, 5329]	6550	[9077, 1106]	9879	[5721, 11574]	13208	[10232, 770]
3222	[5330, 2252]	6551	[8506, 3901]	9880	[10275, 10646]	13209	[6390, 5516]
3223	[5331, 2737]	6552	[9078, 1794]	9881	[11575, 5354]	13210	[11300, 5369]
3224	[5332, 5333]	6553	[3576, 9079]	9882	[10816, 2691]	13211	[7054, 158]
3225	[747, 5334]	6554	[1134, 1291]	9883	[1879, 5321]	13212	[11672, 13312]
3226	[5335, 5336]	6555	[9080, 8005]	9884	[11576, 10552]	13213	[2268, 2530]
3227	[5337, 5338]	6556	[9081, 9082]	9885	[11577, 7209]	13214	[13121, 13053]

3228	[5339, 3087]	6557	[9083, 9084]	9886	[11578, 2545]	13215	[137, 11199]
3229	[502, 1860]	6558	[9085, 4869]	9887	[2041, 3103]	13216	[6443, 1962]
3230	[5340, 2730]	6559	[9086, 8116]	9888	[7209, 3122]	13217	[7637, 7571]
3231	[5341, 627]	6560	[9087, 1552]	9889	[10190, 5613]	13218	[2456, 6118]
3232	[5342, 5343]	6561	[3578, 4898]	9890	[11313, 11579]	13219	[1883, 6298]
3233	[5344, 5345]	6562	[8627, 3839]	9891	[10488, 11580]	13220	[11123, 10198]
3234	[5346, 5347]	6563	[9088, 9089]	9892	[11213, 11581]	13221	[11520, 11666]
3235	[5348, 2049]	6564	[9090, 4347]	9893	[11384, 6003]	13222	[7442, 2742]
3236	[5349, 2222]	6565	[9091, 3323]	9894	[6713, 2765]	13223	[3125, 6176]
3237	[5350, 5351]	6566	[306, 5013]	9895	[10667, 6690]	13224	[10422, 7589]
3238	[3091, 5352]	6567	[7930, 3765]	9896	[2376, 11582]	13225	[7571, 5581]
3239	[2621, 5353]	6568	[9092, 4929]	9897	[11583, 7163]	13226	[3016, 2287]
3240	[5354, 5355]	6569	[8128, 4395]	9898	[11338, 3131]	13227	[11676, 7278]
3241	[5356, 5357]	6570	[9093, 8310]	9899	[7416, 521]	13228	[11130, 11273]
3242	[5358, 1931]	6571	[9094, 8310]	9900	[11584, 2947]	13229	[11238, 2079]
3243	[5359, 5360]	6572	[4565, 4966]	9901	[7333, 11104]	13230	[6004, 10522]
3244	[5361, 5362]	6573	[8178, 1131]	9902	[5490, 11120]	13231	[10631, 10755]
3245	[5363, 5364]	6574	[7893, 9095]	9903	[11585, 5527]	13232	[7475, 198]
3246	[5365, 5366]	6575	[9096, 8874]	9904	[5327, 11586]	13233	[1961, 207]
3247	[5367, 5368]	6576	[9097, 4549]	9905	[7454, 872]	13234	[10417, 2465]
3248	[5369, 963]	6577	[9098, 3283]	9906	[11587, 5873]	13235	[12938, 10885]
3249	[5370, 5371]	6578	[9099, 9100]	9907	[3095, 11588]	13236	[5523, 6566]
3250	[5372, 2296]	6579	[9101, 1705]	9908	[2722, 11374]	13237	[13036, 7479]
3251	[5373, 5374]	6580	[9102, 4096]	9909	[1833, 6261]	13238	[11571, 1946]
3252	[1863, 5375]	6581	[5176, 3383]	9910	[11589, 6403]	13239	[11502, 2131]
3253	[5376, 5377]	6582	[1293, 9103]	9911	[670, 11364]	13240	[1980, 2868]
3254	[5378, 5379]	6583	[8022, 9104]	9912	[2434, 887]	13241	[5614, 13140]
3255	[864, 5380]	6584	[9105, 9106]	9913	[2475, 5384]	13242	[6426, 5533]
3256	[575, 1941]	6585	[9107, 1378]	9914	[5383, 647]	13243	[836, 5741]
3257	[650, 5381]	6586	[9108, 9109]	9915	[7432, 10756]	13244	[10318, 10897]
3258	[5382, 5383]	6587	[9110, 5288]	9916	[10893, 7523]	13245	[11639, 6793]
3259	[5384, 2958]	6588	[9111, 9112]	9917	[745, 6746]	13246	[3151, 5540]
3260	[5385, 5386]	6589	[9113, 1124]	9918	[6199, 5803]	13247	[2998, 6202]
3261	[5387, 5388]	6590	[9114, 8558]	9919	[7458, 11252]	13248	[10852, 7207]
3262	[5389, 5390]	6591	[9115, 7882]	9920	[11476, 5347]	13249	[6284, 2559]
3263	[5391, 2460]	6592	[3685, 1359]	9921	[11590, 2399]	13250	[5837, 7515]
3264	[2455, 686]	6593	[9116, 9117]	9922	[6872, 11033]	13251	[6805, 10379]
3265	[5392, 2610]	6594	[9118, 9066]	9923	[11591, 11592]	13252	[11013, 2437]
3266	[5393, 5394]	6595	[9119, 3692]	9924	[1920, 3068]	13253	[7217, 6196]
3267	[5395, 5396]	6596	[9120, 3440]	9925	[11593, 1904]	13254	[11324, 3029]
3268	[5397, 5398]	6597	[8693, 1064]	9926	[10685, 5692]	13255	[2618, 13]
3269	[5399, 5400]	6598	[9121, 1716]	9927	[11103, 7537]	13256	[5970, 6262]
3270	[5401, 5402]	6599	[9122, 9123]	9928	[2105, 6591]	13257	[12969, 544]
3271	[5403, 5404]	6600	[9124, 9125]	9929	[6489, 689]	13258	[947, 13046]

3272	[5405, 5406]	6601	[8793, 1190]	9930	[6370, 11594]	13259	[6940, 7426]
3273	[5407, 2026]	6602	[4213, 4553]	9931	[11305, 10176]	13260	[2018, 147]
3274	[5408, 1881]	6603	[9126, 9127]	9932	[5376, 5765]	13261	[11506, 13133]
3275	[1883, 5371]	6604	[9128, 7988]	9933	[10465, 11153]	13262	[10661, 13312]
3276	[1903, 2534]	6605	[5117, 460]	9934	[10292, 503]	13263	[13099, 3035]
3277	[1905, 3021]	6606	[8631, 4804]	9935	[3070, 11595]	13264	[11161, 11607]
3278	[3019, 2297]	6607	[3949, 8966]	9936	[6848, 237]	13265	[12929, 11547]
3279	[5409, 1989]	6608	[9129, 3868]	9937	[11596, 11597]	13266	[12995, 13019]
3280	[5410, 5411]	6609	[9130, 4751]	9938	[11598, 7581]	13267	[2595, 13134]
3281	[2784, 5412]	6610	[9131, 8561]	9939	[2299, 11281]	13268	[13128, 7181]
3282	[5413, 2642]	6611	[1183, 9132]	9940	[11599, 1827]	13269	[10459, 10157]
3283	[5414, 725]	6612	[1206, 8443]	9941	[6999, 11600]	13270	[3173, 11175]
3284	[5415, 5416]	6613	[9133, 3895]	9942	[1898, 1834]	13271	[10710, 6628]
3285	[5417, 2698]	6614	[9134, 489]	9943	[10954, 11601]	13272	[5361, 11097]
3286	[5418, 5419]	6615	[9135, 8122]	9944	[214, 216]	13273	[7591, 13144]
3287	[5420, 5421]	6616	[4659, 1679]	9945	[11602, 10940]	13274	[10688, 10981]
3288	[5422, 5423]	6617	[1577, 358]	9946	[7422, 747]	13275	[10851, 2119]
3289	[5424, 3199]	6618	[4490, 9136]	9947	[6034, 11603]	13276	[7548, 1982]
3290	[5425, 3068]	6619	[9137, 7661]	9948	[5839, 7264]	13277	[5897, 610]
3291	[2086, 5426]	6620	[254, 3751]	9949	[5796, 7017]	13278	[6437, 2704]
3292	[5427, 5428]	6621	[9138, 8991]	9950	[11604, 10562]	13279	[643, 5910]
3293	[5429, 5430]	6622	[9139, 3498]	9951	[870, 2307]	13280	[6406, 10283]
3294	[5431, 2199]	6623	[9140, 3544]	9952	[6490, 6237]	13281	[11333, 5416]
3295	[5432, 5433]	6624	[8595, 1714]	9953	[11605, 5370]	13282	[10338, 5532]
3296	[5434, 5435]	6625	[8069, 5021]	9954	[6382, 3020]	13283	[7036, 10789]
3297	[5436, 5437]	6626	[9141, 9142]	9955	[6052, 3045]	13284	[5908, 11348]
3298	[841, 5438]	6627	[9143, 8070]	9956	[11606, 11607]	13285	[10994, 11392]
3299	[5439, 249]	6628	[9144, 325]	9957	[10481, 695]	13286	[11219, 226]
3300	[5440, 5441]	6629	[9145, 8198]	9958	[6514, 10787]	13287	[2566, 5804]
3301	[5442, 5443]	6630	[1321, 4621]	9959	[11367, 2523]	13288	[11446, 6188]
3302	[1981, 5444]	6631	[9146, 9147]	9960	[11608, 2497]	13289	[5503, 5760]
3303	[5445, 3116]	6632	[9148, 4690]	9961	[11609, 10767]	13290	[6439, 11516]
3304	[5446, 5447]	6633	[9149, 7953]	9962	[11610, 2206]	13291	[2659, 11544]
3305	[2545, 2896]	6634	[9150, 4664]	9963	[6831, 5489]	13292	[13137, 10232]
3306	[5448, 870]	6635	[9151, 9152]	9964	[11611, 11612]	13293	[6438, 587]
3307	[5449, 5450]	6636	[9153, 9154]	9965	[7253, 1884]	13294	[10714, 13109]
3308	[5451, 5452]	6637	[9155, 3729]	9966	[10757, 2886]	13295	[2055, 6519]
3309	[5453, 5454]	6638	[8226, 9156]	9967	[7152, 175]	13296	[5473, 2382]
3310	[5455, 5456]	6639	[9157, 9158]	9968	[11613, 11614]	13297	[5958, 13096]
3311	[5457, 5458]	6640	[4476, 9159]	9969	[11613, 10660]	13298	[11224, 2460]
3312	[5459, 5460]	6641	[432, 4951]	9970	[10959, 10321]	13299	[7354, 6740]
3313	[5461, 5462]	6642	[458, 9160]	9971	[1997, 7387]	13300	[10591, 2490]
3314	[525, 5463]	6643	[9161, 8440]	9972	[11379, 6817]	13301	[6411, 10393]
3315	[5433, 928]	6644	[9162, 972]	9973	[5725, 6090]	13302	[883, 1917]

3316	[5464, 5465]	6645	[8922, 5269]	9974	[2189, 5804]	13303	[10555, 10225]
3317	[5466, 5467]	6646	[4579, 75]	9975	[7340, 11150]	13304	[11656, 6485]
3318	[5468, 5469]	6647	[9163, 4728]	9976	[2387, 11615]	13305	[7228, 5803]
3319	[5470, 5471]	6648	[9164, 9165]	9977	[10168, 10254]	13306	[10906, 3044]
3320	[5472, 2156]	6649	[9166, 7961]	9978	[53, 6243]	13307	[10880, 227]
3321	[5473, 951]	6650	[9167, 3436]	9979	[2820, 2328]	13308	[6626, 5946]
3322	[5474, 2818]	6651	[9168, 9169]	9980	[5400, 11616]	13309	[12946, 6118]
3323	[5475, 5476]	6652	[8415, 4313]	9981	[10505, 11617]	13310	[2591, 7251]
3324	[5477, 5478]	6653	[9170, 9171]	9982	[2256, 11618]	13311	[2552, 10479]
3325	[2210, 5479]	6654	[4762, 9172]	9983	[10814, 2266]	13312	[1784, 8566]
3326	[5480, 5481]	6655	[9173, 9174]	9984	[5405, 758]		
3327	[2738, 3205]	6656	[9175, 4279]	9985	[11332, 5596]		
3328	[250, 2022]	6657	[9176, 4907]	9986	[10854, 6242]		

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	2219	1	4438	1	6657	0	8876	1	11095	1
1	0	2220	1	4439	1	6658	1	8877	1	11096	1
2	1	2221	1	4440	0	6659	0	8878	1	11097	0
3	0	2222	0	4441	0	6660	1	8879	1	11098	0
4	1	2223	1	4442	1	6661	0	8880	1	11099	1
5	1	2224	0	4443	1	6662	0	8881	1	11100	1
6	0	2225	0	4444	1	6663	0	8882	0	11101	0
7	0	2226	0	4445	1	6664	1	8883	0	11102	0
8	0	2227	0	4446	1	6665	1	8884	1	11103	1
9	1	2228	1	4447	1	6666	1	8885	1	11104	0
10	1	2229	0	4448	1	6667	1	8886	0	11105	0
11	1	2230	0	4449	1	6668	1	8887	0	11106	1
12	1	2231	1	4450	1	6669	1	8888	0	11107	0
13	0	2232	1	4451	1	6670	1	8889	0	11108	1
14	0	2233	0	4452	1	6671	0	8890	0	11109	1
15	0	2234	1	4453	0	6672	1	8891	0	11110	1
16	0	2235	1	4454	1	6673	0	8892	0	11111	0
17	0	2236	1	4455	0	6674	1	8893	0	11112	1
18	0	2237	0	4456	0	6675	0	8894	1	11113	1
19	1	2238	1	4457	0	6676	0	8895	1	11114	0
20	0	2239	0	4458	1	6677	1	8896	0	11115	0
21	1	2240	1	4459	1	6678	1	8897	1	11116	0
22	1	2241	1	4460	0	6679	0	8898	0	11117	0
23	1	2242	1	4461	0	6680	0	8899	0	11118	0
24	0	2243	0	4462	0	6681	0	8900	1	11119	1
25	1	2244	1	4463	0	6682	1	8901	1	11120	1
26	1	2245	1	4464	1	6683	0	8902	1	11121	0
27	0	2246	1	4465	1	6684	0	8903	0	11122	0

28	0	2247	0	4466	1	6685	0	8904	1	11123	1
29	0	2248	1	4467	1	6686	1	8905	0	11124	1
30	1	2249	0	4468	0	6687	0	8906	0	11125	1
31	0	2250	0	4469	0	6688	0	8907	1	11126	1
32	1	2251	1	4470	1	6689	1	8908	1	11127	0
33	0	2252	1	4471	0	6690	1	8909	0	11128	0
34	1	2253	1	4472	0	6691	1	8910	0	11129	1
35	0	2254	0	4473	1	6692	1	8911	0	11130	1
36	1	2255	0	4474	1	6693	1	8912	1	11131	0
37	0	2256	0	4475	1	6694	1	8913	1	11132	0
38	0	2257	1	4476	0	6695	0	8914	0	11133	1
39	1	2258	1	4477	0	6696	1	8915	0	11134	1
40	1	2259	1	4478	1	6697	1	8916	1	11135	1
41	0	2260	0	4479	1	6698	0	8917	0	11136	0
42	1	2261	0	4480	0	6699	0	8918	1	11137	1
43	1	2262	0	4481	0	6700	0	8919	0	11138	0
44	1	2263	1	4482	0	6701	1	8920	0	11139	1
45	1	2264	0	4483	1	6702	0	8921	1	11140	1
46	0	2265	0	4484	1	6703	0	8922	0	11141	1
47	1	2266	0	4485	1	6704	1	8923	1	11142	1
48	1	2267	1	4486	1	6705	0	8924	1	11143	0
49	0	2268	1	4487	1	6706	1	8925	0	11144	1
50	0	2269	1	4488	1	6707	1	8926	0	11145	1
51	1	2270	0	4489	1	6708	1	8927	1	11146	0
52	1	2271	1	4490	1	6709	1	8928	0	11147	0
53	1	2272	1	4491	0	6710	1	8929	1	11148	0
54	0	2273	1	4492	1	6711	1	8930	0	11149	0
55	0	2274	1	4493	0	6712	0	8931	1	11150	1
56	0	2275	0	4494	1	6713	0	8932	1	11151	1
57	0	2276	1	4495	0	6714	0	8933	1	11152	1
58	0	2277	0	4496	0	6715	0	8934	1	11153	1
59	0	2278	0	4497	0	6716	1	8935	1	11154	0
60	1	2279	1	4498	1	6717	1	8936	0	11155	0
61	1	2280	0	4499	1	6718	1	8937	0	11156	1
62	0	2281	1	4500	0	6719	1	8938	1	11157	1
63	0	2282	0	4501	1	6720	1	8939	1	11158	0
64	0	2283	1	4502	0	6721	0	8940	1	11159	1
65	1	2284	1	4503	0	6722	0	8941	0	11160	0
66	1	2285	0	4504	0	6723	1	8942	0	11161	1
67	0	2286	1	4505	1	6724	0	8943	1	11162	1
68	0	2287	1	4506	0	6725	1	8944	0	11163	1
69	1	2288	0	4507	1	6726	1	8945	1	11164	0
70	0	2289	1	4508	1	6727	0	8946	0	11165	0
71	0	2290	0	4509	1	6728	0	8947	1	11166	1

72	1	2291	1	4510	0	6729	0	8948	1	11167	1
73	1	2292	1	4511	1	6730	0	8949	0	11168	0
74	0	2293	1	4512	0	6731	0	8950	1	11169	1
75	0	2294	0	4513	1	6732	0	8951	0	11170	1
76	1	2295	1	4514	0	6733	1	8952	0	11171	0
77	0	2296	1	4515	0	6734	1	8953	1	11172	1
78	0	2297	1	4516	0	6735	0	8954	0	11173	1
79	1	2298	1	4517	1	6736	1	8955	0	11174	1
80	1	2299	0	4518	0	6737	0	8956	0	11175	1
81	1	2300	1	4519	0	6738	1	8957	0	11176	0
82	0	2301	0	4520	0	6739	1	8958	0	11177	0
83	0	2302	0	4521	0	6740	0	8959	0	11178	1
84	1	2303	1	4522	0	6741	0	8960	0	11179	1
85	1	2304	0	4523	0	6742	1	8961	0	11180	1
86	0	2305	0	4524	1	6743	1	8962	0	11181	1
87	1	2306	0	4525	1	6744	0	8963	1	11182	0
88	1	2307	1	4526	0	6745	0	8964	1	11183	0
89	1	2308	1	4527	0	6746	0	8965	0	11184	1
90	1	2309	1	4528	0	6747	0	8966	0	11185	0
91	1	2310	0	4529	1	6748	0	8967	1	11186	1
92	0	2311	1	4530	0	6749	0	8968	1	11187	0
93	0	2312	0	4531	1	6750	0	8969	0	11188	0
94	1	2313	0	4532	0	6751	1	8970	0	11189	0
95	1	2314	1	4533	1	6752	1	8971	1	11190	0
96	1	2315	1	4534	0	6753	1	8972	1	11191	1
97	1	2316	1	4535	1	6754	1	8973	0	11192	1
98	1	2317	0	4536	0	6755	1	8974	0	11193	1
99	0	2318	0	4537	0	6756	1	8975	0	11194	0
100	1	2319	0	4538	0	6757	1	8976	1	11195	1
101	0	2320	0	4539	0	6758	1	8977	1	11196	1
102	1	2321	0	4540	0	6759	0	8978	0	11197	0
103	1	2322	1	4541	1	6760	0	8979	0	11198	1
104	1	2323	1	4542	0	6761	1	8980	0	11199	1
105	1	2324	1	4543	1	6762	1	8981	0	11200	0
106	0	2325	1	4544	1	6763	1	8982	1	11201	1
107	1	2326	1	4545	0	6764	1	8983	0	11202	1
108	1	2327	0	4546	0	6765	1	8984	1	11203	0
109	0	2328	0	4547	0	6766	1	8985	1	11204	0
110	0	2329	1	4548	1	6767	1	8986	0	11205	1
111	0	2330	0	4549	1	6768	0	8987	1	11206	0
112	1	2331	1	4550	0	6769	0	8988	1	11207	0
113	0	2332	1	4551	0	6770	1	8989	1	11208	1
114	1	2333	0	4552	0	6771	0	8990	0	11209	0
115	0	2334	1	4553	1	6772	1	8991	1	11210	0

116	0	2335	1	4554	1	6773	1	8992	0	11211	0
117	0	2336	0	4555	1	6774	0	8993	1	11212	0
118	1	2337	1	4556	1	6775	1	8994	0	11213	0
119	0	2338	0	4557	1	6776	1	8995	1	11214	0
120	1	2339	0	4558	0	6777	1	8996	0	11215	0
121	1	2340	0	4559	1	6778	1	8997	0	11216	1
122	0	2341	0	4560	0	6779	0	8998	1	11217	0
123	1	2342	0	4561	0	6780	1	8999	1	11218	0
124	0	2343	1	4562	1	6781	0	9000	1	11219	0
125	0	2344	1	4563	1	6782	1	9001	0	11220	1
126	0	2345	0	4564	1	6783	1	9002	0	11221	0
127	0	2346	1	4565	1	6784	0	9003	0	11222	0
128	0	2347	1	4566	1	6785	0	9004	1	11223	1
129	0	2348	1	4567	1	6786	1	9005	0	11224	1
130	0	2349	0	4568	1	6787	1	9006	1	11225	1
131	1	2350	1	4569	1	6788	0	9007	0	11226	0
132	1	2351	1	4570	0	6789	0	9008	0	11227	0
133	1	2352	1	4571	0	6790	0	9009	0	11228	0
134	1	2353	1	4572	0	6791	1	9010	1	11229	0
135	0	2354	0	4573	0	6792	1	9011	0	11230	1
136	0	2355	0	4574	1	6793	1	9012	1	11231	0
137	0	2356	1	4575	1	6794	0	9013	1	11232	0
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410	1	2629	1	4848	1	7067	1	9286	0	11505	0
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412	1	2631	1	4850	0	7069	1	9288	1	11507	1
413	0	2632	1	4851	1	7070	1	9289	0	11508	0
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416	0	2635	1	4854	1	7073	0	9292	1	11511	1
417	0	2636	0	4855	0	7074	1	9293	1	11512	0
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419	1	2638	0	4857	1	7076	1	9295	0	11514	1
420	0	2639	0	4858	1	7077	1	9296	1	11515	0
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422	0	2641	0	4860	0	7079	0	9298	1	11517	0
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679	0	2898	1	5117	1	7336	0	9555	1	11774	0
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683	1	2902	0	5121	1	7340	0	9559	1	11778	0
684	1	2903	0	5122	0	7341	0	9560	0	11779	1
685	1	2904	0	5123	0	7342	1	9561	1	11780	1
686	0	2905	0	5124	1	7343	0	9562	1	11781	1
687	1	2906	1	5125	0	7344	1	9563	0	11782	1

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691	1	2910	0	5129	1	7348	0	9567	0	11786	0
692	0	2911	0	5130	0	7349	1	9568	0	11787	0
693	0	2912	1	5131	0	7350	0	9569	1	11788	0
694	0	2913	0	5132	0	7351	1	9570	1	11789	1
695	0	2914	1	5133	0	7352	1	9571	1	11790	0
696	0	2915	0	5134	1	7353	0	9572	1	11791	1
697	1	2916	0	5135	0	7354	0	9573	1	11792	1
698	1	2917	0	5136	0	7355	1	9574	1	11793	0
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701	1	2920	1	5139	1	7358	0	9577	0	11796	0
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703	0	2922	0	5141	0	7360	0	9579	0	11798	1
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721	0	2940	1	5159	0	7378	1	9597	1	11816	0
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796	0	3015	0	5234	0	7453	0	9672	1	11891	1
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947	0	3166	0	5385	1	7604	0	9823	1	12042	0
948	1	3167	0	5386	0	7605	0	9824	0	12043	1
949	0	3168	1	5387	0	7606	1	9825	1	12044	0
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954	0	3173	0	5392	1	7611	1	9830	0	12049	0
955	0	3174	0	5393	0	7612	0	9831	0	12050	1
956	0	3175	0	5394	0	7613	0	9832	0	12051	1
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959	1	3178	0	5397	1	7616	1	9835	0	12054	1
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965	0	3184	0	5403	0	7622	0	9841	0	12060	0
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967	0	3186	0	5405	0	7624	0	9843	0	12062	1
968	0	3187	0	5406	1	7625	0	9844	0	12063	0
969	0	3188	1	5407	0	7626	0	9845	0	12064	1
970	1	3189	1	5408	0	7627	1	9846	1	12065	0
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972	1	3191	1	5410	1	7629	0	9848	1	12067	1
973	0	3192	0	5411	0	7630	0	9849	0	12068	0
974	0	3193	0	5412	0	7631	1	9850	0	12069	1
975	1	3194	1	5413	0	7632	0	9851	1	12070	0
976	0	3195	1	5414	1	7633	0	9852	1	12071	1
977	0	3196	1	5415	0	7634	0	9853	1	12072	1
978	0	3197	0	5416	0	7635	0	9854	0	12073	1
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984	1	3203	1	5422	1	7641	1	9860	0	12079	0
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986	1	3205	1	5424	0	7643	1	9862	1	12081	1
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1014	1	3233	1	5452	1	7671	0	9890	1	12109	0
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1472	0	3691	0	5910	1	8129	1	10348	1	12567	0
1473	0	3692	1	5911	0	8130	0	10349	1	12568	1
1474	0	3693	0	5912	0	8131	0	10350	0	12569	0
1475	1	3694	1	5913	1	8132	1	10351	1	12570	0
1476	0	3695	1	5914	0	8133	1	10352	1	12571	0
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1483	1	3702	1	5921	0	8140	1	10359	1	12578	0
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1487	0	3706	0	5925	0	8144	1	10363	0	12582	0
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1489	1	3708	1	5927	0	8146	0	10365	0	12584	0
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1492	0	3711	1	5930	1	8149	1	10368	1	12587	1
1493	0	3712	0	5931	1	8150	0	10369	1	12588	0
1494	0	3713	0	5932	1	8151	0	10370	0	12589	0
1495	0	3714	1	5933	0	8152	0	10371	1	12590	1
1496	1	3715	0	5934	0	8153	0	10372	0	12591	1
1497	1	3716	0	5935	1	8154	0	10373	0	12592	1
1498	0	3717	0	5936	1	8155	1	10374	1	12593	1
1499	0	3718	0	5937	0	8156	0	10375	0	12594	0
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1501	0	3720	1	5939	1	8158	0	10377	1	12596	1
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1511	0	3730	0	5949	1	8168	0	10387	0	12606	0
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1518	1	3737	1	5956	1	8175	1	10394	0	12613	0
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1521	1	3740	1	5959	0	8178	1	10397	1	12616	1
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1526	0	3745	0	5964	1	8183	1	10402	1	12621	0
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1530	0	3749	0	5968	0	8187	0	10406	1	12625	1
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1546	0	3765	0	5984	0	8203	1	10422	0	12641	1
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1574	0	3793	1	6012	0	8231	0	10450	0	12669	1
1575	0	3794	0	6013	0	8232	1	10451	1	12670	0
1576	0	3795	1	6014	1	8233	0	10452	0	12671	1
1577	0	3796	0	6015	1	8234	1	10453	0	12672	1
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1579	1	3798	0	6017	0	8236	1	10455	1	12674	0
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1624	0	3843	0	6062	1	8281	0	10500	1	12719	1
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1703	1	3922	0	6141	0	8360	0	10579	0	12798	1
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1730	0	3949	1	6168	0	8387	1	10606	0	12825	1
1731	0	3950	1	6169	0	8388	0	10607	0	12826	0
1732	1	3951	1	6170	0	8389	0	10608	0	12827	0
1733	0	3952	1	6171	1	8390	0	10609	0	12828	0
1734	1	3953	1	6172	0	8391	0	10610	1	12829	1
1735	0	3954	1	6173	1	8392	1	10611	1	12830	0
1736	1	3955	0	6174	1	8393	0	10612	0	12831	1
1737	0	3956	1	6175	1	8394	0	10613	0	12832	1
1738	0	3957	0	6176	0	8395	0	10614	1	12833	0
1739	1	3958	1	6177	1	8396	1	10615	0	12834	1
1740	0	3959	1	6178	0	8397	0	10616	0	12835	1
1741	0	3960	1	6179	1	8398	1	10617	1	12836	0
1742	1	3961	1	6180	0	8399	0	10618	1	12837	0
1743	0	3962	1	6181	1	8400	1	10619	0	12838	1

1744	1	3963	0	6182	1	8401	0	10620	1	12839	1
1745	1	3964	0	6183	1	8402	1	10621	0	12840	0
1746	1	3965	1	6184	0	8403	0	10622	1	12841	0
1747	1	3966	0	6185	1	8404	1	10623	0	12842	0
1748	0	3967	0	6186	0	8405	1	10624	1	12843	0
1749	0	3968	0	6187	0	8406	0	10625	0	12844	1
1750	0	3969	1	6188	1	8407	1	10626	1	12845	1
1751	0	3970	1	6189	1	8408	0	10627	0	12846	0
1752	1	3971	1	6190	0	8409	1	10628	0	12847	1
1753	1	3972	0	6191	0	8410	1	10629	1	12848	0
1754	0	3973	1	6192	0	8411	1	10630	0	12849	0
1755	1	3974	1	6193	1	8412	0	10631	0	12850	0
1756	1	3975	0	6194	1	8413	1	10632	1	12851	0
1757	0	3976	1	6195	1	8414	1	10633	0	12852	1
1758	0	3977	1	6196	1	8415	0	10634	0	12853	1
1759	0	3978	1	6197	0	8416	0	10635	0	12854	0
1760	0	3979	1	6198	1	8417	0	10636	1	12855	1
1761	0	3980	0	6199	0	8418	1	10637	1	12856	0
1762	1	3981	1	6200	0	8419	1	10638	1	12857	1
1763	1	3982	1	6201	0	8420	1	10639	0	12858	0
1764	1	3983	1	6202	1	8421	1	10640	0	12859	1
1765	0	3984	1	6203	1	8422	1	10641	1	12860	1
1766	1	3985	0	6204	0	8423	1	10642	0	12861	0
1767	0	3986	0	6205	1	8424	1	10643	1	12862	1
1768	0	3987	1	6206	0	8425	0	10644	0	12863	1
1769	0	3988	0	6207	1	8426	0	10645	0	12864	1
1770	1	3989	0	6208	1	8427	1	10646	0	12865	1
1771	0	3990	1	6209	1	8428	1	10647	0	12866	0
1772	0	3991	0	6210	1	8429	0	10648	1	12867	0
1773	1	3992	1	6211	1	8430	1	10649	1	12868	1
1774	1	3993	0	6212	0	8431	0	10650	1	12869	0
1775	1	3994	1	6213	1	8432	0	10651	0	12870	0
1776	0	3995	0	6214	0	8433	1	10652	0	12871	1
1777	0	3996	0	6215	1	8434	1	10653	0	12872	0
1778	1	3997	1	6216	1	8435	0	10654	0	12873	1
1779	0	3998	1	6217	1	8436	1	10655	1	12874	1
1780	0	3999	1	6218	1	8437	1	10656	1	12875	0
1781	1	4000	1	6219	1	8438	1	10657	1	12876	0
1782	0	4001	0	6220	0	8439	0	10658	0	12877	0
1783	0	4002	1	6221	0	8440	1	10659	0	12878	1
1784	0	4003	1	6222	1	8441	0	10660	0	12879	0
1785	0	4004	0	6223	1	8442	0	10661	0	12880	0
1786	0	4005	1	6224	0	8443	1	10662	1	12881	1
1787	0	4006	0	6225	0	8444	1	10663	0	12882	0

1788	0	4007	1	6226	1	8445	0	10664	0	12883	1
1789	0	4008	0	6227	0	8446	0	10665	0	12884	1
1790	1	4009	1	6228	1	8447	1	10666	1	12885	0
1791	1	4010	1	6229	1	8448	0	10667	0	12886	1
1792	0	4011	1	6230	1	8449	1	10668	0	12887	1
1793	0	4012	0	6231	1	8450	1	10669	0	12888	0
1794	1	4013	0	6232	0	8451	0	10670	1	12889	0
1795	1	4014	1	6233	1	8452	1	10671	0	12890	1
1796	0	4015	0	6234	1	8453	1	10672	0	12891	1
1797	0	4016	0	6235	0	8454	1	10673	1	12892	0
1798	0	4017	1	6236	0	8455	0	10674	1	12893	1
1799	0	4018	1	6237	0	8456	1	10675	0	12894	0
1800	0	4019	0	6238	1	8457	1	10676	0	12895	0
1801	0	4020	1	6239	1	8458	1	10677	0	12896	0
1802	0	4021	0	6240	0	8459	1	10678	0	12897	1
1803	0	4022	0	6241	0	8460	0	10679	0	12898	1
1804	0	4023	1	6242	0	8461	1	10680	0	12899	1
1805	0	4024	0	6243	1	8462	0	10681	0	12900	1
1806	0	4025	0	6244	0	8463	1	10682	1	12901	1
1807	0	4026	1	6245	1	8464	1	10683	0	12902	1
1808	0	4027	0	6246	0	8465	1	10684	0	12903	1
1809	1	4028	1	6247	0	8466	1	10685	1	12904	1
1810	1	4029	0	6248	0	8467	0	10686	1	12905	0
1811	0	4030	0	6249	1	8468	1	10687	1	12906	1
1812	1	4031	0	6250	0	8469	1	10688	1	12907	1
1813	1	4032	0	6251	0	8470	1	10689	1	12908	0
1814	1	4033	0	6252	0	8471	0	10690	1	12909	0
1815	1	4034	0	6253	1	8472	0	10691	0	12910	1
1816	1	4035	0	6254	1	8473	0	10692	1	12911	0
1817	0	4036	0	6255	1	8474	1	10693	0	12912	0
1818	0	4037	1	6256	1	8475	1	10694	0	12913	1
1819	1	4038	1	6257	1	8476	0	10695	0	12914	0
1820	1	4039	0	6258	0	8477	0	10696	0	12915	0
1821	0	4040	0	6259	1	8478	0	10697	0	12916	0
1822	0	4041	1	6260	1	8479	0	10698	0	12917	0
1823	1	4042	0	6261	0	8480	1	10699	1	12918	0
1824	0	4043	0	6262	1	8481	0	10700	0	12919	0
1825	0	4044	0	6263	0	8482	0	10701	0	12920	0
1826	0	4045	1	6264	1	8483	1	10702	0	12921	0
1827	0	4046	0	6265	0	8484	1	10703	1	12922	1
1828	0	4047	0	6266	1	8485	1	10704	1	12923	1
1829	0	4048	1	6267	1	8486	0	10705	1	12924	1
1830	1	4049	0	6268	0	8487	0	10706	1	12925	1
1831	0	4050	0	6269	1	8488	0	10707	0	12926	0

1832	1	4051	0	6270	0	8489	0	10708	1	12927	0
1833	0	4052	0	6271	1	8490	1	10709	1	12928	1
1834	1	4053	1	6272	1	8491	1	10710	0	12929	0
1835	0	4054	0	6273	0	8492	1	10711	1	12930	0
1836	0	4055	0	6274	0	8493	0	10712	0	12931	1
1837	0	4056	0	6275	1	8494	0	10713	0	12932	0
1838	0	4057	0	6276	1	8495	0	10714	0	12933	0
1839	0	4058	0	6277	1	8496	0	10715	1	12934	0
1840	1	4059	1	6278	1	8497	0	10716	0	12935	1
1841	0	4060	0	6279	1	8498	1	10717	0	12936	0
1842	0	4061	1	6280	1	8499	1	10718	0	12937	1
1843	1	4062	0	6281	1	8500	1	10719	0	12938	0
1844	0	4063	1	6282	0	8501	0	10720	0	12939	1
1845	0	4064	0	6283	1	8502	0	10721	1	12940	1
1846	0	4065	1	6284	1	8503	1	10722	0	12941	1
1847	0	4066	1	6285	1	8504	1	10723	0	12942	0
1848	0	4067	0	6286	1	8505	0	10724	0	12943	0
1849	1	4068	1	6287	1	8506	1	10725	0	12944	1
1850	0	4069	1	6288	0	8507	1	10726	1	12945	1
1851	0	4070	1	6289	1	8508	0	10727	1	12946	1
1852	0	4071	0	6290	0	8509	1	10728	0	12947	1
1853	0	4072	0	6291	0	8510	1	10729	0	12948	0
1854	1	4073	0	6292	1	8511	1	10730	0	12949	0
1855	0	4074	1	6293	0	8512	1	10731	0	12950	0
1856	1	4075	1	6294	1	8513	1	10732	1	12951	0
1857	1	4076	1	6295	1	8514	0	10733	1	12952	0
1858	0	4077	1	6296	1	8515	0	10734	0	12953	1
1859	0	4078	1	6297	0	8516	1	10735	1	12954	0
1860	1	4079	1	6298	1	8517	0	10736	1	12955	0
1861	0	4080	1	6299	1	8518	1	10737	0	12956	1
1862	0	4081	0	6300	0	8519	1	10738	0	12957	0
1863	1	4082	1	6301	1	8520	1	10739	1	12958	0
1864	1	4083	0	6302	1	8521	0	10740	1	12959	0
1865	1	4084	0	6303	1	8522	0	10741	1	12960	1
1866	0	4085	1	6304	0	8523	0	10742	0	12961	0
1867	0	4086	1	6305	1	8524	0	10743	1	12962	0
1868	1	4087	0	6306	1	8525	1	10744	1	12963	1
1869	1	4088	0	6307	0	8526	0	10745	0	12964	0
1870	0	4089	1	6308	1	8527	0	10746	0	12965	0
1871	1	4090	1	6309	1	8528	0	10747	0	12966	0
1872	0	4091	0	6310	1	8529	0	10748	0	12967	0
1873	1	4092	0	6311	1	8530	0	10749	1	12968	0
1874	0	4093	0	6312	0	8531	1	10750	0	12969	1
1875	0	4094	1	6313	1	8532	1	10751	0	12970	0

1876	0	4095	0	6314	1	8533	0	10752	1	12971	1
1877	0	4096	0	6315	0	8534	1	10753	1	12972	1
1878	0	4097	0	6316	0	8535	0	10754	0	12973	1
1879	1	4098	0	6317	1	8536	1	10755	1	12974	0
1880	1	4099	1	6318	1	8537	0	10756	0	12975	0
1881	0	4100	0	6319	0	8538	0	10757	1	12976	1
1882	1	4101	0	6320	0	8539	0	10758	1	12977	0
1883	0	4102	1	6321	1	8540	1	10759	1	12978	0
1884	0	4103	1	6322	0	8541	1	10760	0	12979	0
1885	0	4104	1	6323	1	8542	0	10761	1	12980	0
1886	0	4105	0	6324	1	8543	1	10762	1	12981	0
1887	0	4106	1	6325	0	8544	1	10763	1	12982	0
1888	1	4107	0	6326	0	8545	1	10764	0	12983	0
1889	1	4108	0	6327	1	8546	1	10765	1	12984	0
1890	1	4109	0	6328	0	8547	0	10766	1	12985	0
1891	0	4110	1	6329	0	8548	0	10767	1	12986	0
1892	1	4111	1	6330	1	8549	1	10768	1	12987	1
1893	0	4112	0	6331	1	8550	1	10769	1	12988	1
1894	1	4113	0	6332	1	8551	1	10770	0	12989	1
1895	0	4114	1	6333	1	8552	0	10771	0	12990	1
1896	0	4115	1	6334	1	8553	0	10772	1	12991	1
1897	0	4116	1	6335	0	8554	0	10773	1	12992	0
1898	0	4117	1	6336	0	8555	0	10774	0	12993	0
1899	0	4118	0	6337	1	8556	0	10775	1	12994	1
1900	1	4119	1	6338	0	8557	1	10776	0	12995	0
1901	0	4120	1	6339	1	8558	0	10777	0	12996	0
1902	0	4121	1	6340	0	8559	1	10778	0	12997	0
1903	0	4122	0	6341	0	8560	1	10779	0	12998	1
1904	0	4123	0	6342	1	8561	1	10780	1	12999	1
1905	1	4124	1	6343	0	8562	1	10781	1	13000	1
1906	1	4125	0	6344	1	8563	0	10782	0	13001	0
1907	0	4126	1	6345	1	8564	0	10783	0	13002	1
1908	1	4127	1	6346	1	8565	1	10784	0	13003	1
1909	1	4128	0	6347	0	8566	1	10785	1	13004	1
1910	1	4129	0	6348	0	8567	0	10786	0	13005	0
1911	1	4130	1	6349	0	8568	1	10787	0	13006	0
1912	0	4131	1	6350	1	8569	0	10788	0	13007	1
1913	0	4132	1	6351	0	8570	0	10789	1	13008	1
1914	1	4133	0	6352	1	8571	1	10790	1	13009	1
1915	0	4134	0	6353	0	8572	0	10791	0	13010	0
1916	0	4135	0	6354	1	8573	0	10792	1	13011	0
1917	0	4136	1	6355	0	8574	0	10793	0	13012	1
1918	0	4137	1	6356	1	8575	1	10794	1	13013	0
1919	0	4138	1	6357	1	8576	1	10795	0	13014	0

1920	0	4139	1	6358	0	8577	1	10796	1	13015	1
1921	1	4140	1	6359	1	8578	0	10797	0	13016	0
1922	0	4141	1	6360	0	8579	1	10798	0	13017	1
1923	1	4142	1	6361	1	8580	0	10799	0	13018	0
1924	1	4143	1	6362	0	8581	1	10800	1	13019	0
1925	1	4144	0	6363	0	8582	1	10801	1	13020	0
1926	0	4145	1	6364	1	8583	1	10802	1	13021	1
1927	0	4146	0	6365	1	8584	0	10803	1	13022	1
1928	0	4147	0	6366	1	8585	1	10804	1	13023	0
1929	0	4148	1	6367	0	8586	0	10805	1	13024	0
1930	0	4149	0	6368	0	8587	0	10806	0	13025	1
1931	0	4150	0	6369	1	8588	0	10807	1	13026	0
1932	1	4151	1	6370	0	8589	1	10808	0	13027	0
1933	0	4152	0	6371	1	8590	0	10809	0	13028	1
1934	0	4153	1	6372	0	8591	0	10810	1	13029	0
1935	0	4154	0	6373	0	8592	0	10811	1	13030	1
1936	0	4155	1	6374	0	8593	0	10812	1	13031	0
1937	0	4156	0	6375	1	8594	0	10813	1	13032	0
1938	0	4157	1	6376	1	8595	1	10814	1	13033	1
1939	0	4158	1	6377	0	8596	1	10815	0	13034	0
1940	0	4159	0	6378	0	8597	0	10816	0	13035	0
1941	0	4160	0	6379	1	8598	1	10817	0	13036	1
1942	0	4161	1	6380	0	8599	0	10818	1	13037	0
1943	1	4162	0	6381	0	8600	1	10819	1	13038	0
1944	0	4163	0	6382	1	8601	1	10820	1	13039	0
1945	1	4164	0	6383	0	8602	1	10821	0	13040	1
1946	1	4165	1	6384	0	8603	0	10822	0	13041	1
1947	0	4166	1	6385	0	8604	1	10823	0	13042	0
1948	0	4167	1	6386	0	8605	1	10824	1	13043	1
1949	0	4168	0	6387	1	8606	0	10825	0	13044	1
1950	1	4169	0	6388	1	8607	1	10826	0	13045	1
1951	0	4170	0	6389	0	8608	0	10827	1	13046	0
1952	0	4171	1	6390	0	8609	1	10828	0	13047	0
1953	0	4172	0	6391	1	8610	1	10829	1	13048	1
1954	0	4173	1	6392	0	8611	1	10830	0	13049	1
1955	0	4174	0	6393	1	8612	1	10831	1	13050	1
1956	1	4175	0	6394	0	8613	0	10832	1	13051	0
1957	1	4176	1	6395	1	8614	0	10833	0	13052	0
1958	0	4177	1	6396	0	8615	1	10834	1	13053	0
1959	0	4178	1	6397	1	8616	1	10835	1	13054	0
1960	1	4179	0	6398	1	8617	1	10836	1	13055	1
1961	0	4180	0	6399	0	8618	1	10837	1	13056	1
1962	0	4181	1	6400	1	8619	0	10838	0	13057	1
1963	1	4182	0	6401	0	8620	1	10839	1	13058	0

1964	1	4183	0	6402	0	8621	1	10840	1	13059	0
1965	1	4184	0	6403	1	8622	0	10841	1	13060	1
1966	0	4185	0	6404	1	8623	0	10842	0	13061	1
1967	0	4186	1	6405	0	8624	0	10843	1	13062	1
1968	1	4187	1	6406	0	8625	1	10844	0	13063	0
1969	1	4188	0	6407	1	8626	0	10845	0	13064	0
1970	0	4189	0	6408	0	8627	1	10846	1	13065	1
1971	1	4190	1	6409	0	8628	0	10847	0	13066	1
1972	0	4191	1	6410	1	8629	1	10848	1	13067	0
1973	0	4192	1	6411	0	8630	1	10849	0	13068	0
1974	0	4193	1	6412	0	8631	0	10850	0	13069	0
1975	0	4194	1	6413	1	8632	1	10851	1	13070	1
1976	1	4195	0	6414	1	8633	1	10852	1	13071	1
1977	1	4196	0	6415	0	8634	1	10853	0	13072	0
1978	0	4197	1	6416	0	8635	1	10854	1	13073	0
1979	0	4198	1	6417	1	8636	1	10855	1	13074	1
1980	0	4199	1	6418	1	8637	1	10856	1	13075	0
1981	1	4200	1	6419	0	8638	0	10857	0	13076	0
1982	1	4201	0	6420	1	8639	1	10858	0	13077	0
1983	0	4202	1	6421	1	8640	1	10859	1	13078	1
1984	0	4203	1	6422	0	8641	1	10860	1	13079	0
1985	1	4204	1	6423	0	8642	0	10861	1	13080	0
1986	0	4205	0	6424	1	8643	1	10862	0	13081	1
1987	0	4206	1	6425	1	8644	0	10863	0	13082	0
1988	1	4207	1	6426	1	8645	0	10864	1	13083	1
1989	1	4208	1	6427	1	8646	1	10865	1	13084	0
1990	1	4209	0	6428	0	8647	1	10866	1	13085	1
1991	1	4210	1	6429	1	8648	0	10867	1	13086	1
1992	1	4211	0	6430	0	8649	1	10868	0	13087	1
1993	0	4212	0	6431	0	8650	0	10869	1	13088	1
1994	0	4213	0	6432	1	8651	1	10870	1	13089	0
1995	0	4214	0	6433	1	8652	1	10871	1	13090	1
1996	0	4215	1	6434	0	8653	1	10872	0	13091	1
1997	0	4216	1	6435	0	8654	1	10873	0	13092	1
1998	1	4217	1	6436	1	8655	1	10874	0	13093	0
1999	0	4218	1	6437	0	8656	0	10875	0	13094	0
2000	1	4219	1	6438	1	8657	0	10876	0	13095	1
2001	1	4220	0	6439	1	8658	0	10877	0	13096	1
2002	0	4221	1	6440	0	8659	0	10878	1	13097	1
2003	0	4222	1	6441	1	8660	1	10879	1	13098	1
2004	0	4223	1	6442	0	8661	1	10880	0	13099	0
2005	0	4224	1	6443	1	8662	0	10881	1	13100	0
2006	0	4225	1	6444	0	8663	1	10882	1	13101	0
2007	0	4226	1	6445	0	8664	1	10883	1	13102	0

2008	0	4227	0	6446	0	8665	0	10884	1	13103	0
2009	1	4228	1	6447	0	8666	1	10885	0	13104	0
2010	1	4229	0	6448	0	8667	0	10886	0	13105	1
2011	1	4230	0	6449	1	8668	0	10887	1	13106	0
2012	1	4231	0	6450	0	8669	1	10888	0	13107	1
2013	1	4232	1	6451	0	8670	1	10889	0	13108	0
2014	1	4233	1	6452	1	8671	1	10890	1	13109	0
2015	1	4234	1	6453	0	8672	1	10891	0	13110	0
2016	0	4235	0	6454	1	8673	0	10892	1	13111	0
2017	1	4236	1	6455	1	8674	1	10893	1	13112	1
2018	0	4237	1	6456	0	8675	1	10894	0	13113	0
2019	0	4238	0	6457	0	8676	0	10895	1	13114	1
2020	1	4239	0	6458	1	8677	1	10896	1	13115	0
2021	1	4240	0	6459	1	8678	0	10897	1	13116	1
2022	0	4241	0	6460	0	8679	0	10898	0	13117	0
2023	0	4242	1	6461	0	8680	1	10899	0	13118	1
2024	0	4243	0	6462	0	8681	1	10900	0	13119	0
2025	0	4244	0	6463	1	8682	1	10901	1	13120	1
2026	1	4245	1	6464	1	8683	1	10902	1	13121	0
2027	1	4246	0	6465	0	8684	1	10903	1	13122	1
2028	1	4247	0	6466	0	8685	0	10904	0	13123	1
2029	1	4248	1	6467	1	8686	1	10905	1	13124	1
2030	1	4249	1	6468	0	8687	1	10906	1	13125	0
2031	1	4250	0	6469	1	8688	0	10907	0	13126	0
2032	0	4251	1	6470	0	8689	0	10908	0	13127	0
2033	0	4252	0	6471	1	8690	0	10909	1	13128	1
2034	0	4253	1	6472	1	8691	1	10910	1	13129	0
2035	0	4254	0	6473	1	8692	1	10911	0	13130	0
2036	1	4255	1	6474	1	8693	1	10912	1	13131	1
2037	1	4256	0	6475	1	8694	1	10913	1	13132	0
2038	1	4257	0	6476	0	8695	0	10914	0	13133	0
2039	0	4258	0	6477	0	8696	1	10915	0	13134	1
2040	1	4259	0	6478	0	8697	1	10916	1	13135	1
2041	0	4260	0	6479	1	8698	1	10917	0	13136	0
2042	0	4261	1	6480	0	8699	1	10918	0	13137	1
2043	0	4262	1	6481	0	8700	1	10919	0	13138	0
2044	1	4263	1	6482	1	8701	0	10920	1	13139	0
2045	0	4264	1	6483	1	8702	1	10921	0	13140	1
2046	1	4265	1	6484	0	8703	1	10922	0	13141	0
2047	0	4266	1	6485	0	8704	0	10923	1	13142	1
2048	0	4267	1	6486	1	8705	1	10924	1	13143	1
2049	1	4268	1	6487	1	8706	1	10925	0	13144	1
2050	0	4269	1	6488	1	8707	1	10926	1	13145	0
2051	0	4270	0	6489	0	8708	1	10927	1	13146	1

2052	0	4271	1	6490	0	8709	0	10928	0	13147	0
2053	1	4272	0	6491	0	8710	0	10929	1	13148	0
2054	0	4273	0	6492	1	8711	1	10930	1	13149	1
2055	0	4274	1	6493	1	8712	1	10931	0	13150	0
2056	1	4275	0	6494	1	8713	0	10932	1	13151	0
2057	1	4276	1	6495	1	8714	0	10933	1	13152	1
2058	1	4277	1	6496	1	8715	1	10934	1	13153	0
2059	0	4278	0	6497	1	8716	0	10935	0	13154	0
2060	0	4279	1	6498	1	8717	1	10936	1	13155	0
2061	1	4280	0	6499	1	8718	1	10937	0	13156	0
2062	0	4281	0	6500	0	8719	1	10938	1	13157	0
2063	0	4282	0	6501	1	8720	0	10939	0	13158	0
2064	0	4283	0	6502	1	8721	1	10940	1	13159	0
2065	1	4284	1	6503	0	8722	1	10941	0	13160	1
2066	1	4285	0	6504	1	8723	1	10942	0	13161	1
2067	1	4286	0	6505	0	8724	0	10943	0	13162	1
2068	0	4287	1	6506	0	8725	0	10944	1	13163	1
2069	1	4288	1	6507	0	8726	0	10945	1	13164	0
2070	0	4289	1	6508	0	8727	0	10946	0	13165	0
2071	1	4290	1	6509	0	8728	1	10947	0	13166	0
2072	1	4291	0	6510	0	8729	1	10948	1	13167	0
2073	1	4292	0	6511	1	8730	1	10949	0	13168	1
2074	1	4293	1	6512	0	8731	0	10950	1	13169	0
2075	1	4294	1	6513	1	8732	0	10951	1	13170	1
2076	0	4295	1	6514	1	8733	0	10952	0	13171	1
2077	0	4296	1	6515	1	8734	1	10953	1	13172	0
2078	0	4297	1	6516	1	8735	0	10954	0	13173	1
2079	0	4298	1	6517	0	8736	1	10955	1	13174	1
2080	0	4299	1	6518	1	8737	0	10956	0	13175	1
2081	1	4300	1	6519	0	8738	0	10957	1	13176	1
2082	0	4301	0	6520	1	8739	0	10958	0	13177	1
2083	1	4302	1	6521	0	8740	0	10959	1	13178	0
2084	0	4303	0	6522	0	8741	1	10960	0	13179	1
2085	0	4304	1	6523	1	8742	0	10961	0	13180	0
2086	0	4305	0	6524	0	8743	0	10962	1	13181	1
2087	0	4306	0	6525	1	8744	0	10963	1	13182	1
2088	0	4307	1	6526	0	8745	0	10964	0	13183	0
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2090	1	4309	0	6528	0	8747	0	10966	0	13185	0
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2097	1	4316	0	6535	0	8754	0	10973	1	13192	0
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2100	0	4319	0	6538	1	8757	0	10976	1	13195	0
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2107	1	4326	1	6545	0	8764	0	10983	0	13202	1
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2109	0	4328	1	6547	1	8766	0	10985	1	13204	0
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2111	1	4330	1	6549	1	8768	1	10987	1	13206	1
2112	1	4331	0	6550	0	8769	1	10988	1	13207	0
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2114	1	4333	0	6552	1	8771	0	10990	0	13209	0
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2118	1	4337	1	6556	1	8775	0	10994	1	13213	1
2119	0	4338	1	6557	0	8776	1	10995	0	13214	0
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2121	0	4340	0	6559	1	8778	1	10997	0	13216	1
2122	1	4341	1	6560	0	8779	0	10998	0	13217	0
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2126	0	4345	1	6564	1	8783	1	11002	1	13221	0
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2141	0	4360	0	6579	1	8798	1	11017	1	13236	0
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2143	0	4362	0	6581	0	8800	1	11019	1	13238	0
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2145	1	4364	0	6583	0	8802	0	11021	1	13240	0
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2160	1	4379	1	6598	1	8817	1	11036	1	13255	0
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2162	1	4381	1	6600	0	8819	1	11038	0	13257	1
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2166	1	4385	1	6604	0	8823	0	11042	0	13261	1
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2173	1	4392	1	6611	1	8830	0	11049	0	13268	1
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2178	1	4397	1	6616	0	8835	0	11054	0	13273	0
2179	0	4398	1	6617	0	8836	1	11055	1	13274	1
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2184	1	4403	0	6622	0	8841	1	11060	1	13279	0
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2186	0	4405	1	6624	1	8843	0	11062	0	13281	1
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2196	1	4415	0	6634	1	8853	1	11072	0	13291	0
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2198	1	4417	1	6636	1	8855	0	11074	0	13293	1
2199	1	4418	1	6637	1	8856	1	11075	1	13294	0
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2208	1	4427	1	6646	1	8865	1	11084	1	13303	0
2209	0	4428	1	6647	0	8866	0	11085	0	13304	0
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2211	0	4430	1	6649	1	8868	0	11087	1	13306	1
2212	1	4431	0	6650	1	8869	1	11088	1	13307	0
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2214	1	4433	1	6652	0	8871	0	11090	0	13309	1
2215	0	4434	0	6653	0	8872	0	11091	1	13310	1
2216	1	4435	1	6654	0	8873	0	11092	1	13311	1
2217	0	4436	1	6655	1	8874	1	11093	1	13312	0
2218	0	4437	0	6656	0	8875	0	11094	0		

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