

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

GUO-NIU HAN* AND YINING HU*

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

1. INTRODUCTION

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

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

as the limit of the finite continued fractions

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

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

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

admits a continued fraction expansion of form (1.1).

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

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

that we shall denote

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

Date: 9/04/2020 17:34:30 .

2010 Mathematics Subject Classification. 11B85, 11J70, 11B50, 11Y65, 05A15.

Key words and phrases. automatic sequence, continued fraction, Thue-Morse sequence.

* This paper was automatically generated from a computer program developed by the authors, with 5.7 hours CPU time used.

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

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

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

$$p_0(z) = z^{21} + z^{20} + z^{18} + z^{17} + z^{16} + z^{15} + z^{11} + z^{10} + z^8 + z^7 + z^6 + z^2 + 1,$$

$$p_1(z) = z^{26} + z^{23} + z^{22} + z^{20} + z^{19} + z^{18} + z^{17} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 \\ + z^8 + z^6 + z^4 + z^2,$$

$$p_2(z) = z^{28} + z^{24} + z^{18} + z^{16} + z^4,$$

$$p_3(z) = z^{26} + z^{23} + z^{22} + z^{20} + z^{19} + z^{18} + z^{17} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 \\ + z^8 + z^6 + z^4 + z^2,$$

$$p_4(z) = z^{24} + z^{21} + z^{17} + z^{16} + z^{15} + z^{11} + z^{10} + z^7 + z^6 + z^4 + z^2,$$

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

$$p_0(z) = z^{21} + z^{18} + z^{17} + z^{16} + z^{15} + z^{11} + z^{10} + z^8 + z^7 + z^6 + z^2,$$

$$p_1(z) = z^{26} + z^{23} + z^{22} + z^{20} + z^{19} + z^{18} + z^{17} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 \\ + z^8 + z^6 + z^4 + z^2,$$

$$p_2(z) = z^{28} + z^{24} + z^{18} + z^{16} + z^4,$$

$$p_3(z) = z^{26} + z^{23} + z^{22} + z^{20} + z^{19} + z^{18} + z^{17} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 \\ + z^8 + z^6 + z^4 + z^2,$$

$$p_4(z) = z^{24} + z^{21} + z^{20} + z^{17} + z^{16} + z^{15} + z^{11} + z^{10} + z^7 + z^6 + z^4 + z^2 + 1.$$

2. PROOF

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

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

By the basic properties of continued fractions, we have

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

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

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

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.*

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

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

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

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

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 $u = 2^{2k}$,

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

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

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

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

which can be rewritten as

$$(2.7) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[111w]_2],$$

$$(2.8) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\ &\quad + T[[1000w]_2], \end{aligned}$$

$$(2.9) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[101w]_2] \\ &\quad + T[[110w]_2] + T[[1001w]_2], \end{aligned}$$

$$(2.10) \quad \begin{aligned} 0 &= T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1010w]_2], \\ 0 &= T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] \end{aligned}$$

$$(2.11) \quad \begin{aligned} &\quad + T[[1011w]_2], \\ 0 &= T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2] \end{aligned}$$

$$(2.12) \quad + T[[1100w]_2],$$

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

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

$$(2.14) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[111w]_2],$$

$$(2.15) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\ &\quad + T[[1000w]_2], \end{aligned}$$

$$(2.16) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[101w]_2] \\ &\quad + T[[110w]_2] + T[[1001w]_2], \end{aligned}$$

$$(2.17) \quad \begin{aligned} 0 &= T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1010w]_2], \\ 0 &= T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] \end{aligned}$$

$$(2.18) \quad \begin{aligned} &\quad + T[[1011w]_2], \\ 0 &= T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2] \end{aligned}$$

$$(2.19) \quad + T[[1100w]_2],$$

$$(2.20) \quad 0 = T[[110w]_2] + T[[1101w]_2],$$

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 12289 states; its transition function and output function can be found in the annex. Let $A(s, w)$ denote the state reached after reading w from right to left starting from the state s , and τ the output function. Define

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

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

$$(2.21) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 111)), \end{aligned}$$

$$(2.22) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 101)) + \tau(A(s, 1000)), \end{aligned}$$

$$(2.23) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1001)), \end{aligned}$$

$$(2.24) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 1010)), \end{aligned}$$

$$(2.25) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 1011)), \end{aligned}$$

$$(2.26) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 1100)), \end{aligned}$$

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

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

$$(2.28) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 111)), \end{aligned}$$

$$(2.29) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 101)) + \tau(A(s, 1000)), \end{aligned}$$

$$(2.30) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1001)), \end{aligned}$$

$$(2.31) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 1010)), \end{aligned}$$

$$(2.32) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 1011)), \end{aligned}$$

$$(2.33) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 1100)), \end{aligned}$$

$$(2.34) \quad 0 = \tau(A(s, 110)) + \tau(A(s, 1101)),$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{40}), E_{40}) = (A(i, 0^{28}), E_{28})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 20$, which turns out to be true. $\square$

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

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

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

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

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

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

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

We give the proof of

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

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

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

Call this expression *lhs*. Note that both sides of identity M_{2k+1} have the same term of highest degree $x^{14v}R^o$. Therefore we only need to prove that their difference is $O(x^{14v})$. Using Lemma 2.1 it can be seen that the right side of identity M_{2k+1} is congruent, modulo x^{14v} , to

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

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

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

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

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

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

$$\lim_{n \rightarrow \infty} W_{2n+1,j,k} = W_{j,k}^o.$$

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

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{22} + x^{21} + x^{20} + x^{18} + x^{17} + x^{13} + x^{12} + x^{11} + x^{10} + x^8 \\ &\quad + x^7, \\ q_1(x) &= x^{26} + x^{24} + x^{22} + x^{20} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{11} + x^{10} + x^9 \\ &\quad + x^8 + x^6 + x^5 + x^2, \\ q_2(x) &= x^{24} + x^{12} + x^{10} + x^4 + 1, \\ q_3(x) &= x^{26} + x^{24} + x^{22} + x^{20} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{11} + x^{10} + x^9 \\ &\quad + x^8 + x^6 + x^5 + x^2, \\ q_4(x) &= x^{26} + x^{24} + x^{22} + x^{21} + x^{18} + x^{17} + x^{13} + x^{12} + x^{11} + x^7 + x^4. \end{aligned}$$

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

3. ANNEXE

All 16 polynomials are of the form

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

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

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

$$\begin{aligned} p_0(x) &= x^{156} + x^{152} + x^{146} + x^{144} + x^{140} + x^{132} + x^{130} + x^{118} + x^{112} + x^{104} \\ &\quad + x^{96} + x^{94} + x^{86} + x^{84} + x^{80} + x^{76} + x^{70} + x^{56} + x^{54} + x^{52} + x^{40} \\ &\quad + x^{38} + x^{36} + x^{30} + x^{24}, \\ p_3(x) &= x^{148} + x^{142} + x^{140} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{108} \\ &\quad + x^{106} + x^{104} + x^{102} + x^{100} + x^{96} + x^{90} + x^{86} + x^{72} + x^{68} + x^{66} \end{aligned}$$

$$\begin{aligned}
& + x^{64} + x^{58} + x^{56} + x^{50} + x^{48} + x^{42} + x^{40} + x^{36} + x^{34} + x^{30} + x^{28} \\
& + x^{26} + x^{18} + x^{16}, \\
p_6(x) &= x^{144} + x^{142} + x^{140} + x^{138} + x^{130} + x^{128} + x^{126} + x^{120} + x^{118} + x^{116} \\
& + x^{114} + x^{108} + x^{102} + x^{100} + x^{96} + x^{92} + x^{88} + x^{86} + x^{80} + x^{78} \\
& + x^{70} + x^{68} + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{54} + x^{50} + x^{48} + x^{46} \\
& + x^{44} + x^{42} + x^{30} + x^{28} + x^{26} + x^{24} + x^{18} + x^{16} + x^{14} + x^{10} + x^8 \\
& + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{140} + x^{134} + x^{132} + x^{128} + x^{126} + x^{124} + x^{118} + x^{114} \\
& + x^{108} + x^{106} + x^{96} + x^{86} + x^{80} + x^{66} + x^{62} + x^{54} + x^{50} + x^{46} + x^{44} \\
& + x^{36} + x^{34} + x^{32} + x^{30} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{12} + x^{10} \\
& + x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{136} + x^{120} + x^{112} + x^{104} + x^{88} + x^{80} + x^{56} + x^{48} + x^{40} + x^{32} \\
& + x^{24} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{140} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{125} + x^{124} \\
& + x^{123} + x^{121} + x^{120} + x^{119} + x^{118} + x^{114} + x^{112} + x^{107} + x^{105} \\
& + x^{101} + x^{100} + x^{98} + x^{95} + x^{94} + x^{89} + x^{88} + x^{86} + x^{83} + x^{82} + x^{80} \\
& + x^{79} + x^{78} + x^{73} + x^{72} + x^{71} + x^{69} + x^{67} + x^{66} + x^{61} + x^{58} + x^{57} \\
& + x^{54} + x^{53} + x^{52} + x^{50} + x^{48} + x^{45} + x^{43} + x^{42} + x^{41} + x^{38} + x^{37} \\
& + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{143} + x^{138} + x^{131} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} + x^{122} + x^{119} \\
& + x^{118} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} + x^{108} + x^{107} + x^{106} \\
& + x^{103} + x^{102} + x^{99} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{87} + x^{86} + x^{82} \\
& + x^{71} + x^{66} + x^{63} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{49} + x^{44} + x^{43} \\
& + x^{39} + x^{38} + x^{35} + x^{34} + x^{33} + x^{30} + x^{28} + x^{27} + x^{23} + x^{22} + x^{18}, \\
p_6(x) &= x^{141} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} \\
& + x^{125} + x^{124} + x^{122} + x^{121} + x^{116} + x^{115} + x^{114} + x^{112} + x^{105} \\
& + x^{101} + x^{100} + x^{98} + x^{93} + x^{89} + x^{88} + x^{87} + x^{86} + x^{83} + x^{82} + x^{80} \\
& + x^{79} + x^{77} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} + x^{69} + x^{66} + x^{61} + x^{57} \\
& + x^{56} + x^{54} + x^{51} + x^{49} + x^{46} + x^{45} + x^{43} + x^{41} + x^{40} + x^{36} + x^{34} \\
& + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{26} + x^{25} + x^{24} + x^{21} + x^{20} + x^{18} \\
& + x^{17} + x^{15} + x^{12}, \\
p_9(x) &= x^{139} + x^{135} + x^{134} + x^{131} + x^{130} + x^{126} + x^{123} + x^{121} + x^{118} + x^{116} \\
& + x^{115} + x^{110} + x^{107} + x^{105} + x^{103} + x^{102} + x^{100} + x^{99} + x^{98} + x^{97}
\end{aligned}$$

$$\begin{aligned}
& + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{86} + x^{84} + x^{83} \\
& + x^{81} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{68} + x^{67} + x^{65} \\
& + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{55} + x^{53} + x^{50} + x^{49} + x^{48} \\
& + x^{44} + x^{43} + x^{41} + x^{38} + x^{37} + x^{36} + x^{33} + x^{32} + x^{31} + x^{28} + x^{26} \\
& + x^{25} + x^{23} + x^{20} + x^{19} + x^{18} + x^{17} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} \\
& + x^6, \\
p_{12}(x) = & x^{137} + x^{135} + x^{132} + x^{129} + x^{127} + x^{124} + x^{117} + x^{115} + x^{112} + x^{105} \\
& + x^{103} + x^{100} + x^{97} + x^{95} + x^{92} + x^{85} + x^{83} + x^{80} + x^{73} + x^{71} + x^{68} \\
& + x^{65} + x^{63} + x^{60} + x^{57} + x^{55} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{44} + x^{37} + x^{35} + x^{32} + x^{25} + x^{23} + x^{20} + x^{17} + x^{15} + x^{12} + x^5 \\
& + x^3 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{140} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{125} + x^{124} \\
& + x^{123} + x^{121} + x^{120} + x^{119} + x^{118} + x^{114} + x^{112} + x^{107} + x^{105} \\
& + x^{101} + x^{100} + x^{98} + x^{95} + x^{94} + x^{89} + x^{88} + x^{86} + x^{83} + x^{82} + x^{80} \\
& + x^{79} + x^{78} + x^{73} + x^{72} + x^{71} + x^{69} + x^{67} + x^{66} + x^{61} + x^{58} + x^{57} \\
& + x^{54} + x^{53} + x^{52} + x^{50} + x^{48} + x^{45} + x^{43} + x^{42} + x^{41} + x^{38} + x^{37} \\
& + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{143} + x^{138} + x^{131} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} + x^{122} + x^{119} \\
& + x^{118} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} + x^{108} + x^{107} + x^{106} \\
& + x^{103} + x^{102} + x^{99} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{87} + x^{86} + x^{82} \\
& + x^{71} + x^{66} + x^{63} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{49} + x^{44} + x^{43} \\
& + x^{39} + x^{38} + x^{35} + x^{34} + x^{33} + x^{30} + x^{28} + x^{27} + x^{23} + x^{22} + x^{18}, \\
p_6(x) = & x^{141} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} \\
& + x^{125} + x^{124} + x^{122} + x^{121} + x^{116} + x^{115} + x^{114} + x^{112} + x^{105} \\
& + x^{101} + x^{100} + x^{98} + x^{93} + x^{89} + x^{88} + x^{87} + x^{86} + x^{83} + x^{82} + x^{80} \\
& + x^{79} + x^{77} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} + x^{69} + x^{66} + x^{61} + x^{57} \\
& + x^{56} + x^{54} + x^{51} + x^{49} + x^{46} + x^{45} + x^{43} + x^{41} + x^{40} + x^{36} + x^{34} \\
& + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{26} + x^{25} + x^{24} + x^{21} + x^{20} + x^{18} \\
& + x^{17} + x^{15} + x^{12}, \\
p_9(x) = & x^{139} + x^{135} + x^{134} + x^{131} + x^{130} + x^{126} + x^{123} + x^{121} + x^{118} + x^{116} \\
& + x^{115} + x^{110} + x^{107} + x^{105} + x^{103} + x^{102} + x^{100} + x^{99} + x^{98} + x^{97} \\
& + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{86} + x^{84} + x^{83} \\
& + x^{81} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{68} + x^{67} + x^{65}
\end{aligned}$$

$$\begin{aligned}
& + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{55} + x^{53} + x^{50} + x^{49} + x^{48} \\
& + x^{44} + x^{43} + x^{41} + x^{38} + x^{37} + x^{36} + x^{33} + x^{32} + x^{31} + x^{28} + x^{26} \\
& + x^{25} + x^{23} + x^{20} + x^{19} + x^{18} + x^{17} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} \\
& + x^6, \\
p_{12}(x) = & x^{137} + x^{135} + x^{132} + x^{129} + x^{127} + x^{124} + x^{117} + x^{115} + x^{112} + x^{105} \\
& + x^{103} + x^{100} + x^{97} + x^{95} + x^{92} + x^{85} + x^{83} + x^{80} + x^{73} + x^{71} + x^{68} \\
& + x^{65} + x^{63} + x^{60} + x^{57} + x^{55} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{44} + x^{37} + x^{35} + x^{32} + x^{25} + x^{23} + x^{20} + x^{17} + x^{15} + x^{12} + x^5 \\
& + x^3 + 1,
\end{aligned}$$

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

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

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

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

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

$$\begin{aligned}
p_0(x) = & x^{138} + x^{130} + x^{128} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{104} + x^{102} \\
& + x^{90} + x^{88} + x^{82} + x^{80} + x^{78} + x^{70} + x^{68} + x^{62} + x^{60} + x^{50} + x^{48} \\
& + x^{40} + x^{34} + x^{32} + x^{24}, \\
p_3(x) = & x^{126} + x^{118} + x^{116} + x^{114} + x^{112} + x^{106} + x^{98} + x^{96} + x^{92} + x^{86} \\
& + x^{82} + x^{78} + x^{76} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{58} + x^{54} + x^{52} \\
& + x^{48} + x^{42} + x^{38} + x^{32} + x^{24} + x^{22} + x^{20} + x^{18} + x^{16}, \\
p_6(x) = & x^{126} + x^{122} + x^{118} + x^{116} + x^{114} + x^{110} + x^{100} + x^{98} + x^{92} + x^{86} \\
& + x^{84} + x^{78} + x^{70} + x^{66} + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{48}
\end{aligned}$$

$$\begin{aligned}
& + x^{46} + x^{44} + x^{40} + x^{38} + x^{36} + x^{34} + x^{32} + x^{28} + x^{26} + x^{20} + x^{16} \\
& + x^{14} + x^{10} + x^8 + x^6 + x^4 + 1, \\
p_9(x) &= x^{122} + x^{114} + x^{112} + x^{110} + x^{108} + x^{104} + x^{102} + x^{98} + x^{92} + x^{90} \\
& + x^{88} + x^{84} + x^{80} + x^{72} + x^{70} + x^{68} + x^{58} + x^{56} + x^{54} + x^{52} + x^{48} \\
& + x^{44} + x^{42} + x^{40} + x^{38} + x^{30} + x^{28} + x^{18} + x^{16} + x^{12} + x^8 + x^4, \\
p_{12}(x) &= x^{122} + x^{118} + x^{112} + x^{90} + x^{86} + x^{80} + x^{58} + x^{54} + x^{48} + x^{42} + x^{38} \\
& + x^{32} + x^{10} + x^6 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{141} + x^{136} + x^{132} + x^{131} + x^{129} + x^{125} + x^{120} + x^{116} + x^{114} \\
& + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{105} + x^{100} \\
& + x^{99} + x^{97} + x^{95} + x^{93} + x^{91} + x^{89} + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} \\
& + x^{78} + x^{77} + x^{74} + x^{73} + x^{72} + x^{71} + x^{68} + x^{67} + x^{63} + x^{61} + x^{59} \\
& + x^{56} + x^{55} + x^{53} + x^{52} + x^{51} + x^{50} + x^{47} + x^{46} + x^{42} + x^{40} + x^{36} \\
& + x^{33}, \\
p_3(x) &= x^{143} + x^{138} + x^{131} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} + x^{122} + x^{119} \\
& + x^{118} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} + x^{108} + x^{107} + x^{106} \\
& + x^{103} + x^{102} + x^{99} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{87} + x^{86} + x^{82} \\
& + x^{71} + x^{66} + x^{63} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{49} + x^{44} + x^{43} \\
& + x^{39} + x^{38} + x^{35} + x^{34} + x^{33} + x^{30} + x^{28} + x^{27} + x^{23} + x^{22} + x^{18}, \\
p_6(x) &= x^{141} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} \\
& + x^{125} + x^{124} + x^{122} + x^{121} + x^{116} + x^{115} + x^{114} + x^{112} + x^{105} \\
& + x^{101} + x^{100} + x^{98} + x^{93} + x^{89} + x^{88} + x^{87} + x^{86} + x^{83} + x^{82} + x^{80} \\
& + x^{79} + x^{77} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} + x^{69} + x^{66} + x^{61} + x^{57} \\
& + x^{56} + x^{54} + x^{51} + x^{49} + x^{46} + x^{45} + x^{43} + x^{41} + x^{40} + x^{36} + x^{34} \\
& + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{26} + x^{25} + x^{24} + x^{21} + x^{20} + x^{18} \\
& + x^{17} + x^{15} + x^{12}, \\
p_9(x) &= x^{139} + x^{135} + x^{134} + x^{131} + x^{130} + x^{126} + x^{123} + x^{121} + x^{118} + x^{116} \\
& + x^{115} + x^{110} + x^{107} + x^{105} + x^{103} + x^{102} + x^{100} + x^{99} + x^{98} + x^{97} \\
& + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{86} + x^{84} + x^{83} \\
& + x^{81} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{68} + x^{67} + x^{65} \\
& + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{55} + x^{53} + x^{50} + x^{49} + x^{48} \\
& + x^{44} + x^{43} + x^{41} + x^{38} + x^{37} + x^{36} + x^{33} + x^{32} + x^{31} + x^{28} + x^{26} \\
& + x^{25} + x^{23} + x^{20} + x^{19} + x^{18} + x^{17} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} \\
& + x^6,
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{137} + x^{135} + x^{132} + x^{129} + x^{127} + x^{124} + x^{117} + x^{115} + x^{112} + x^{105} \\
& + x^{103} + x^{100} + x^{97} + x^{95} + x^{92} + x^{85} + x^{83} + x^{80} + x^{73} + x^{71} + x^{68} \\
& + x^{65} + x^{63} + x^{60} + x^{57} + x^{55} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{44} + x^{37} + x^{35} + x^{32} + x^{25} + x^{23} + x^{20} + x^{17} + x^{15} + x^{12} + x^5 \\
& + x^3 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{141} + x^{136} + x^{132} + x^{131} + x^{129} + x^{125} + x^{120} + x^{116} + x^{114} \\
& + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{105} + x^{100} \\
& + x^{99} + x^{97} + x^{95} + x^{93} + x^{91} + x^{89} + x^{88} + x^{87} + x^{84} + x^{82} + x^{80} \\
& + x^{78} + x^{77} + x^{74} + x^{73} + x^{72} + x^{71} + x^{68} + x^{67} + x^{63} + x^{61} + x^{59} \\
& + x^{56} + x^{55} + x^{53} + x^{52} + x^{51} + x^{50} + x^{47} + x^{46} + x^{42} + x^{40} + x^{36} \\
& + x^{33},
\end{aligned}$$

$$\begin{aligned}
p_3(x) = & x^{143} + x^{138} + x^{131} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} + x^{122} + x^{119} \\
& + x^{118} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} + x^{108} + x^{107} + x^{106} \\
& + x^{103} + x^{102} + x^{99} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{87} + x^{86} + x^{82} \\
& + x^{71} + x^{66} + x^{63} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{49} + x^{44} + x^{43} \\
& + x^{39} + x^{38} + x^{35} + x^{34} + x^{33} + x^{30} + x^{28} + x^{27} + x^{23} + x^{22} + x^{18},
\end{aligned}$$

$$\begin{aligned}
p_6(x) = & x^{141} + x^{139} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} \\
& + x^{125} + x^{124} + x^{122} + x^{121} + x^{116} + x^{115} + x^{114} + x^{112} + x^{105} \\
& + x^{101} + x^{100} + x^{98} + x^{93} + x^{89} + x^{88} + x^{87} + x^{86} + x^{83} + x^{82} + x^{80} \\
& + x^{79} + x^{77} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} + x^{69} + x^{66} + x^{61} + x^{57} \\
& + x^{56} + x^{54} + x^{51} + x^{49} + x^{46} + x^{45} + x^{43} + x^{41} + x^{40} + x^{36} + x^{34} \\
& + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{26} + x^{25} + x^{24} + x^{21} + x^{20} + x^{18} \\
& + x^{17} + x^{15} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_9(x) = & x^{139} + x^{135} + x^{134} + x^{131} + x^{130} + x^{126} + x^{123} + x^{121} + x^{118} + x^{116} \\
& + x^{115} + x^{110} + x^{107} + x^{105} + x^{103} + x^{102} + x^{100} + x^{99} + x^{98} + x^{97} \\
& + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{86} + x^{84} + x^{83} \\
& + x^{81} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{68} + x^{67} + x^{65} \\
& + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{55} + x^{53} + x^{50} + x^{49} + x^{48} \\
& + x^{44} + x^{43} + x^{41} + x^{38} + x^{37} + x^{36} + x^{33} + x^{32} + x^{31} + x^{28} + x^{26} \\
& + x^{25} + x^{23} + x^{20} + x^{19} + x^{18} + x^{17} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} \\
& + x^6,
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{137} + x^{135} + x^{132} + x^{129} + x^{127} + x^{124} + x^{117} + x^{115} + x^{112} + x^{105} \\
& + x^{103} + x^{100} + x^{97} + x^{95} + x^{92} + x^{85} + x^{83} + x^{80} + x^{73} + x^{71} + x^{68}
\end{aligned}$$

$$\begin{aligned}
& + x^{65} + x^{63} + x^{60} + x^{57} + x^{55} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{44} + x^{37} + x^{35} + x^{32} + x^{25} + x^{23} + x^{20} + x^{17} + x^{15} + x^{12} + x^5 \\
& + x^3 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{148} + x^{146} + x^{144} + x^{138} + x^{136} + x^{128} + x^{124} + x^{120} + x^{114} \\
&+ x^{112} + x^{110} + x^{106} + x^{102} + x^{96} + x^{92} + x^{86} + x^{84} + x^{82} + x^{80} \\
&+ x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{60} + x^{58} + x^{52} + x^{50} \\
&+ x^{48} + x^{42}, \\
p_3(x) &= x^{144} + x^{142} + x^{140} + x^{134} + x^{124} + x^{122} + x^{120} + x^{118} + x^{112} + x^{110} \\
&+ x^{106} + x^{104} + x^{102} + x^{92} + x^{90} + x^{88} + x^{78} + x^{76} + x^{72} + x^{68} + x^{60} \\
&+ x^{56} + x^{54} + x^{50} + x^{44} + x^{42} + x^{40} + x^{38} + x^{36} + x^{30} + x^{28} + x^{26} \\
&+ x^{16} + x^{12}, \\
p_6(x) &= x^{148} + x^{144} + x^{142} + x^{140} + x^{138} + x^{136} + x^{134} + x^{130} + x^{128} + x^{126} \\
&+ x^{124} + x^{120} + x^{118} + x^{104} + x^{102} + x^{96} + x^{76} + x^{70} + x^{66} + x^{64} \\
&+ x^{62} + x^{60} + x^{56} + x^{50} + x^{46} + x^{42} + x^{40} + x^{38} + x^{36} + x^{34} + x^{30} \\
&+ x^{28} + x^{26} + x^{20} + x^{16} + x^{14} + x^{12} + x^{10} + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{140} + x^{134} + x^{132} + x^{128} + x^{126} + x^{124} + x^{118} + x^{114} \\
&+ x^{108} + x^{106} + x^{96} + x^{86} + x^{80} + x^{66} + x^{62} + x^{54} + x^{50} + x^{46} + x^{44} \\
&+ x^{36} + x^{34} + x^{32} + x^{30} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{12} + x^{10} \\
&+ x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{136} + x^{120} + x^{112} + x^{104} + x^{88} + x^{80} + x^{56} + x^{48} + x^{40} + x^{32} \\
&+ x^{24} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{140} + x^{133} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} \\
&+ x^{127} + x^{126} + x^{121} + x^{120} + x^{117} + x^{116} + x^{110} + x^{108} + x^{105} \\
&+ x^{103} + x^{102} + x^{99} + x^{96} + x^{94} + x^{93} + x^{92} + x^{90} + x^{86} + x^{84} + x^{83} \\
&+ x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} \\
&+ x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} + x^{59} + x^{57} + x^{55} + x^{54} \\
&+ x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{43} + x^{42} + x^{40} + x^{39} + x^{36} \\
&+ x^{35} + x^{34} + x^{32} + x^{30} + x^{29} + x^{28} + x^{27} + x^{24}, \\
p_3(x) &= x^{145} + x^{141} + x^{140} + x^{139} + x^{136} + x^{133} + x^{128} + x^{127} + x^{124} + x^{123} \\
&+ x^{122} + x^{121} + x^{120} + x^{119} + x^{118} + x^{113} + x^{111} + x^{110} + x^{108} \\
&+ x^{107} + x^{106} + x^{104} + x^{102} + x^{101} + x^{100} + x^{99} + x^{96} + x^{94} + x^{86}
\end{aligned}$$

$$\begin{aligned}
& + x^{85} + x^{84} + x^{80} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} \\
& + x^{69} + x^{67} + x^{65} + x^{64} + x^{63} + x^{60} + x^{59} + x^{58} + x^{56} + x^{54} + x^{51} \\
& + x^{49} + x^{46} + x^{45} + x^{44} + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} \\
& + x^{33} + x^{31} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{16}, \\
p_6(x) = & x^{145} + x^{141} + x^{140} + x^{139} + x^{136} + x^{135} + x^{131} + x^{124} + x^{122} + x^{121} \\
& + x^{120} + x^{118} + x^{116} + x^{114} + x^{112} + x^{111} + x^{109} + x^{104} + x^{102} \\
& + x^{101} + x^{98} + x^{97} + x^{94} + x^{93} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{85} \\
& + x^{82} + x^{78} + x^{72} + x^{68} + x^{67} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} + x^{58} \\
& + x^{57} + x^{54} + x^{50} + x^{49} + x^{47} + x^{44} + x^{43} + x^{38} + x^{35} + x^{33} + x^{32} \\
& + x^{31} + x^{29} + x^{26} + x^{25} + x^{23} + x^{22} + x^{21} + x^{20} + x^{18} + x^{17} + x^{15} \\
& + x^{14} + x^{13} + x^{11} + x^8 + x^5 + x^3 + 1, \\
p_9(x) = & x^{145} + x^{143} + x^{140} + x^{125} + x^{123} + x^{120} + x^{113} + x^{111} + x^{108} + x^{93} \\
& + x^{91} + x^{88} + x^{81} + x^{79} + x^{76} + x^{65} + x^{63} + x^{61} + x^{60} + x^{59} + x^{56} \\
& + x^{45} + x^{43} + x^{40} + x^{33} + x^{31} + x^{28} + x^{13} + x^{11} + x^8, \\
p_{12}(x) = & x^{145} + x^{143} + x^{140} + x^{137} + x^{135} + x^{132} + x^{129} + x^{127} + x^{125} + x^{124} \\
& + x^{123} + x^{120} + x^{117} + x^{115} + x^{113} + x^{112} + x^{111} + x^{108} + x^{105} \\
& + x^{103} + x^{100} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{88} + x^{85} + x^{83} + x^{81} \\
& + x^{80} + x^{79} + x^{76} + x^{73} + x^{71} + x^{68} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} \\
& + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{43} + x^{40} + x^{37} \\
& + x^{35} + x^{33} + x^{32} + x^{31} + x^{28} + x^{25} + x^{23} + x^{20} + x^{17} + x^{15} + x^{13} \\
& + x^{12} + x^{11} + x^8 + x^5 + x^3 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{142} + x^{137} + x^{136} + x^{132} + x^{130} + x^{129} + x^{127} + x^{123} + x^{119} \\
& + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} + x^{103} \\
& + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{93} + x^{92} + x^{90} + x^{89} + x^{88} + x^{86} \\
& + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{78} + x^{73} + x^{72} + x^{71} + x^{69} + x^{66} \\
& + x^{65} + x^{63} + x^{61} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{52} + x^{48} + x^{45} \\
& + x^{44} + x^{41} + x^{40} + x^{39} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{134} + x^{132} + x^{130} + x^{128} + x^{127} + x^{123} + x^{122} + x^{120} + x^{118} + x^{117} \\
& + x^{116} + x^{112} + x^{111} + x^{107} + x^{106} + x^{104} + x^{102} + x^{101} + x^{100} \\
& + x^{96} + x^{95} + x^{91} + x^{90} + x^{88} + x^{85} + x^{82} + x^{62} + x^{60} + x^{58} + x^{56} \\
& + x^{55} + x^{54} + x^{52} + x^{51} + x^{47} + x^{45} + x^{43} + x^{40} + x^{38} + x^{37} + x^{36} \\
& + x^{32} + x^{31} + x^{27} + x^{26} + x^{24} + x^{21} + x^{18}, \\
p_6(x) = & x^{136} + x^{132} + x^{128} + x^{124} + x^{122} + x^{116} + x^{114} + x^{112} + x^{100} + x^{98}
\end{aligned}$$

$$\begin{aligned}
& + x^{88} + x^{86} + x^{82} + x^{80} + x^{74} + x^{70} + x^{66} + x^{56} + x^{54} + x^{46} + x^{40} \\
& + x^{36} + x^{34} + x^{32} + x^{30} + x^{26} + x^{24} + x^{20} + x^{18} + x^{12}, \\
p_9(x) &= x^{138} + x^{136} + x^{131} + x^{126} + x^{121} + x^{118} + x^{106} + x^{104} + x^{99} + x^{94} \\
& + x^{89} + x^{86} + x^{74} + x^{72} + x^{67} + x^{62} + x^{58} + x^{57} + x^{56} + x^{54} + x^{51} \\
& + x^{46} + x^{41} + x^{38} + x^{26} + x^{24} + x^{19} + x^{14} + x^9 + x^6, \\
p_{12}(x) &= x^{140} + x^{132} + x^{124} + x^{120} + x^{112} + x^{108} + x^{100} + x^{92} + x^{88} + x^{80} \\
& + x^{76} + x^{68} + x^{56} + x^{52} + x^{48} + x^{44} + x^{40} + x^{32} + x^{28} + x^{20} + x^{12} \\
& + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{152} + x^{150} + x^{149} + x^{146} + x^{145} + x^{142} + x^{139} + x^{138} \\
& + x^{137} + x^{135} + x^{133} + x^{131} + x^{130} + x^{128} + x^{127} + x^{124} + x^{118} \\
& + x^{115} + x^{113} + x^{111} + x^{106} + x^{104} + x^{101} + x^{100} + x^{99} + x^{97} + x^{93} \\
& + x^{92} + x^{91} + x^{89} + x^{88} + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{72} \\
& + x^{71} + x^{70} + x^{68} + x^{66} + x^{65} + x^{64} + x^{61} + x^{59} + x^{57} + x^{54} + x^{50} \\
& + x^{48} + x^{46} + x^{44} + x^{43} + x^{41} + x^{38} + x^{37} + x^{33}, \\
p_3(x) &= x^{154} + x^{152} + x^{150} + x^{148} + x^{147} + x^{146} + x^{144} + x^{143} + x^{139} + x^{138} \\
& + x^{137} + x^{136} + x^{135} + x^{132} + x^{131} + x^{129} + x^{126} + x^{121} + x^{119} \\
& + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} + x^{110} + x^{106} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{97} + x^{96} + x^{95} + x^{94} + x^{91} + x^{90} + x^{88} + x^{85} \\
& + x^{80} + x^{78} + x^{76} + x^{75} + x^{71} + x^{70} + x^{68} + x^{66} + x^{65} + x^{64} + x^{62} \\
& + x^{59} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{45} + x^{41} + x^{40} + x^{39} \\
& + x^{38} + x^{37} + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{26} + x^{24} + x^{21} + x^{18}, \\
p_6(x) &= x^{156} + x^{152} + x^{142} + x^{140} + x^{136} + x^{126} + x^{122} + x^{120} + x^{118} + x^{116} \\
& + x^{114} + x^{110} + x^{108} + x^{106} + x^{102} + x^{100} + x^{92} + x^{90} + x^{88} + x^{86} \\
& + x^{80} + x^{78} + x^{76} + x^{70} + x^{68} + x^{66} + x^{60} + x^{58} + x^{50} + x^{48} + x^{46} \\
& + x^{42} + x^{34} + x^{32} + x^{26} + x^{20} + x^{18} + x^{12}, \\
p_9(x) &= x^{158} + x^{156} + x^{151} + x^{150} + x^{148} + x^{146} + x^{143} + x^{141} + x^{138} + x^{136} \\
& + x^{133} + x^{131} + x^{130} + x^{124} + x^{121} + x^{119} + x^{116} + x^{114} + x^{111} \\
& + x^{109} + x^{106} + x^{104} + x^{101} + x^{99} + x^{98} + x^{92} + x^{89} + x^{87} + x^{84} \\
& + x^{82} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} + x^{70} + x^{69} + x^{68} \\
& + x^{67} + x^{63} + x^{62} + x^{61} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} + x^{51} + x^{50} \\
& + x^{44} + x^{41} + x^{39} + x^{36} + x^{34} + x^{31} + x^{29} + x^{26} + x^{24} + x^{21} + x^{19} \\
& + x^{18} + x^{14} + x^9 + x^6, \\
p_{12}(x) &= x^{160} + x^{136} + x^{132} + x^{128} + x^{120} + x^{112} + x^{104} + x^{100} + x^{96} + x^{88}
\end{aligned}$$

$$+ x^{72} + x^{68} + x^{52} + x^{40} + x^{32} + x^{24} + x^{20} + x^8 + 1,$$

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

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

$$\begin{aligned} p_0(x) = & x^{147} + x^{143} + x^{133} + x^{132} + x^{129} + x^{125} + x^{123} + x^{121} + x^{113} + x^{112} \\ & + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{89} + x^{87} \\ & + x^{86} + x^{85} + x^{83} + x^{82} + x^{81} + x^{78} + x^{76} + x^{75} + x^{73} + x^{71} + x^{69} \\ & + x^{66} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{54} + x^{53} + x^{48} + x^{47} + x^{44} \\ & + x^{43} + x^{42}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{145} + x^{140} + x^{133} + x^{129} + x^{128} + x^{127} + x^{118} + x^{117} + x^{116} + x^{115} \\ & + x^{112} + x^{111} + x^{110} + x^{105} + x^{103} + x^{102} + x^{97} + x^{94} + x^{93} + x^{92} \\ & + x^{90} + x^{89} + x^{87} + x^{86} + x^{83} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} \\ & + x^{71} + x^{70} + x^{65} + x^{63} + x^{61} + x^{60} + x^{58} + x^{57} + x^{54} + x^{53} + x^{52} \\ & + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{44} + x^{41} + x^{38} + x^{34} + x^{32} + x^{31} \\ & + x^{29} + x^{28} + x^{27} + x^{25} + x^{24} + x^{23} + x^{22}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{145} + x^{140} + x^{135} + x^{133} + x^{129} + x^{128} + x^{125} + x^{121} + x^{120} + x^{119} \\ & + x^{118} + x^{117} + x^{116} + x^{113} + x^{112} + x^{108} + x^{107} + x^{103} + x^{102} \\ & + x^{101} + x^{99} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{90} + x^{86} + x^{81} + x^{78} \\ & + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{67} + x^{65} + x^{64} + x^{63} \\ & + x^{62} + x^{58} + x^{53} + x^{50} + x^{48} + x^{47} + x^{46} + x^{44} + x^{43} + x^{39} + x^{38} \\ & + x^{37} + x^{34} + x^{32} + x^{30} + x^{23} + x^{22} + x^{21} + x^{19} + x^{16} + x^{14} + x^{12} \\ & + x^5 + x^3 + 1, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{145} + x^{143} + x^{140} + x^{125} + x^{123} + x^{120} + x^{113} + x^{111} + x^{108} + x^{93} \\ & + x^{91} + x^{88} + x^{81} + x^{79} + x^{76} + x^{65} + x^{63} + x^{61} + x^{60} + x^{59} + x^{56} \\ & + x^{45} + x^{43} + x^{40} + x^{33} + x^{31} + x^{28} + x^{13} + x^{11} + x^8, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{145} + x^{143} + x^{140} + x^{137} + x^{135} + x^{132} + x^{129} + x^{127} + x^{125} + x^{124} \\ & + x^{123} + x^{120} + x^{117} + x^{115} + x^{113} + x^{112} + x^{111} + x^{108} + x^{105} \\ & + x^{103} + x^{100} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{88} + x^{85} + x^{83} + x^{81} \\ & + x^{80} + x^{79} + x^{76} + x^{73} + x^{71} + x^{68} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} \\ & + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{43} + x^{40} + x^{37} \\ & + x^{35} + x^{33} + x^{32} + x^{31} + x^{28} + x^{25} + x^{23} + x^{20} + x^{17} + x^{15} + x^{13} \\ & + x^{12} + x^{11} + x^8 + x^5 + x^3 + 1, \end{aligned}$$

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

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

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{143} + x^{140} + x^{133} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} \\ & + x^{127} + x^{126} + x^{121} + x^{120} + x^{117} + x^{116} + x^{110} + x^{108} + x^{105} \end{aligned}$$

$$\begin{aligned}
& + x^{103} + x^{102} + x^{99} + x^{96} + x^{94} + x^{93} + x^{92} + x^{90} + x^{86} + x^{84} + x^{83} \\
& + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} \\
& + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} + x^{59} + x^{57} + x^{55} + x^{54} \\
& + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{43} + x^{42} + x^{40} + x^{39} + x^{36} \\
& + x^{35} + x^{34} + x^{32} + x^{30} + x^{29} + x^{28} + x^{27} + x^{24}, \\
p_3(x) = & x^{145} + x^{141} + x^{140} + x^{139} + x^{136} + x^{133} + x^{128} + x^{127} + x^{124} + x^{123} \\
& + x^{122} + x^{121} + x^{120} + x^{119} + x^{118} + x^{113} + x^{111} + x^{110} + x^{108} \\
& + x^{107} + x^{106} + x^{104} + x^{102} + x^{101} + x^{100} + x^{99} + x^{96} + x^{94} + x^{86} \\
& + x^{85} + x^{84} + x^{80} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} \\
& + x^{69} + x^{67} + x^{65} + x^{64} + x^{63} + x^{60} + x^{59} + x^{58} + x^{56} + x^{54} + x^{51} \\
& + x^{49} + x^{46} + x^{45} + x^{44} + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} \\
& + x^{33} + x^{31} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{16}, \\
p_6(x) = & x^{145} + x^{141} + x^{140} + x^{139} + x^{136} + x^{135} + x^{131} + x^{124} + x^{122} + x^{121} \\
& + x^{120} + x^{118} + x^{116} + x^{114} + x^{112} + x^{111} + x^{109} + x^{104} + x^{102} \\
& + x^{101} + x^{98} + x^{97} + x^{94} + x^{93} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{85} \\
& + x^{82} + x^{78} + x^{72} + x^{68} + x^{67} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} + x^{58} \\
& + x^{57} + x^{54} + x^{50} + x^{49} + x^{47} + x^{44} + x^{43} + x^{38} + x^{35} + x^{33} + x^{32} \\
& + x^{31} + x^{29} + x^{26} + x^{25} + x^{23} + x^{22} + x^{21} + x^{20} + x^{18} + x^{17} + x^{15} \\
& + x^{14} + x^{13} + x^{11} + x^8 + x^5 + x^3 + 1, \\
p_9(x) = & x^{145} + x^{143} + x^{140} + x^{125} + x^{123} + x^{120} + x^{113} + x^{111} + x^{108} + x^{93} \\
& + x^{91} + x^{88} + x^{81} + x^{79} + x^{76} + x^{65} + x^{63} + x^{61} + x^{60} + x^{59} + x^{56} \\
& + x^{45} + x^{43} + x^{40} + x^{33} + x^{31} + x^{28} + x^{13} + x^{11} + x^8, \\
p_{12}(x) = & x^{145} + x^{143} + x^{140} + x^{137} + x^{135} + x^{132} + x^{129} + x^{127} + x^{125} + x^{124} \\
& + x^{123} + x^{120} + x^{117} + x^{115} + x^{113} + x^{112} + x^{111} + x^{108} + x^{105} \\
& + x^{103} + x^{100} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{88} + x^{85} + x^{83} + x^{81} \\
& + x^{80} + x^{79} + x^{76} + x^{73} + x^{71} + x^{68} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} \\
& + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{43} + x^{40} + x^{37} \\
& + x^{35} + x^{33} + x^{32} + x^{31} + x^{28} + x^{25} + x^{23} + x^{20} + x^{17} + x^{15} + x^{13} \\
& + x^{12} + x^{11} + x^8 + x^5 + x^3 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{154} + x^{152} + x^{150} + x^{149} + x^{146} + x^{145} + x^{142} + x^{139} + x^{138} \\
& + x^{137} + x^{135} + x^{133} + x^{131} + x^{130} + x^{128} + x^{127} + x^{124} + x^{118} \\
& + x^{115} + x^{113} + x^{111} + x^{106} + x^{104} + x^{101} + x^{100} + x^{99} + x^{97} + x^{93} \\
& + x^{92} + x^{91} + x^{89} + x^{88} + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{72}
\end{aligned}$$

$$\begin{aligned}
& + x^{71} + x^{70} + x^{68} + x^{66} + x^{65} + x^{64} + x^{61} + x^{59} + x^{57} + x^{54} + x^{50} \\
& + x^{48} + x^{46} + x^{44} + x^{43} + x^{41} + x^{38} + x^{37} + x^{33}, \\
p_3(x) = & x^{154} + x^{152} + x^{150} + x^{148} + x^{147} + x^{146} + x^{144} + x^{143} + x^{139} + x^{138} \\
& + x^{137} + x^{136} + x^{135} + x^{132} + x^{131} + x^{129} + x^{126} + x^{121} + x^{119} \\
& + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} + x^{110} + x^{106} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{97} + x^{96} + x^{95} + x^{94} + x^{91} + x^{90} + x^{88} + x^{85} \\
& + x^{80} + x^{78} + x^{76} + x^{75} + x^{71} + x^{70} + x^{68} + x^{66} + x^{65} + x^{64} + x^{62} \\
& + x^{59} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{45} + x^{41} + x^{40} + x^{39} \\
& + x^{38} + x^{37} + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{26} + x^{24} + x^{21} + x^{18}, \\
p_6(x) = & x^{156} + x^{152} + x^{142} + x^{140} + x^{136} + x^{126} + x^{122} + x^{120} + x^{118} + x^{116} \\
& + x^{114} + x^{110} + x^{108} + x^{106} + x^{102} + x^{100} + x^{92} + x^{90} + x^{88} + x^{86} \\
& + x^{80} + x^{78} + x^{76} + x^{70} + x^{68} + x^{66} + x^{60} + x^{58} + x^{50} + x^{48} + x^{46} \\
& + x^{42} + x^{34} + x^{32} + x^{26} + x^{20} + x^{18} + x^{12}, \\
p_9(x) = & x^{158} + x^{156} + x^{151} + x^{150} + x^{148} + x^{146} + x^{143} + x^{141} + x^{138} + x^{136} \\
& + x^{133} + x^{131} + x^{130} + x^{124} + x^{121} + x^{119} + x^{116} + x^{114} + x^{111} \\
& + x^{109} + x^{106} + x^{104} + x^{101} + x^{99} + x^{98} + x^{92} + x^{89} + x^{87} + x^{84} \\
& + x^{82} + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} + x^{70} + x^{69} + x^{68} \\
& + x^{67} + x^{63} + x^{62} + x^{61} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} + x^{51} + x^{50} \\
& + x^{44} + x^{41} + x^{39} + x^{36} + x^{34} + x^{31} + x^{29} + x^{26} + x^{24} + x^{21} + x^{19} \\
& + x^{18} + x^{14} + x^9 + x^6, \\
p_{12}(x) = & x^{160} + x^{136} + x^{132} + x^{128} + x^{120} + x^{112} + x^{104} + x^{100} + x^{96} + x^{88} \\
& + x^{72} + x^{68} + x^{52} + x^{40} + x^{32} + x^{24} + x^{20} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{142} + x^{137} + x^{136} + x^{132} + x^{130} + x^{129} + x^{127} + x^{123} + x^{119} \\
& + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} + x^{103} \\
& + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{93} + x^{92} + x^{90} + x^{89} + x^{88} + x^{86} \\
& + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{78} + x^{73} + x^{72} + x^{71} + x^{69} + x^{66} \\
& + x^{65} + x^{63} + x^{61} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{52} + x^{48} + x^{45} \\
& + x^{44} + x^{41} + x^{40} + x^{39} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{134} + x^{132} + x^{130} + x^{128} + x^{127} + x^{123} + x^{122} + x^{120} + x^{118} + x^{117} \\
& + x^{116} + x^{112} + x^{111} + x^{107} + x^{106} + x^{104} + x^{102} + x^{101} + x^{100} \\
& + x^{96} + x^{95} + x^{91} + x^{90} + x^{88} + x^{85} + x^{82} + x^{62} + x^{60} + x^{58} + x^{56} \\
& + x^{55} + x^{54} + x^{52} + x^{51} + x^{47} + x^{45} + x^{43} + x^{40} + x^{38} + x^{37} + x^{36} \\
& + x^{32} + x^{31} + x^{27} + x^{26} + x^{24} + x^{21} + x^{18},
\end{aligned}$$

$$\begin{aligned}
p_6(x) &= x^{136} + x^{132} + x^{128} + x^{124} + x^{122} + x^{116} + x^{114} + x^{112} + x^{100} + x^{98} \\
&\quad + x^{88} + x^{86} + x^{82} + x^{80} + x^{74} + x^{70} + x^{66} + x^{56} + x^{54} + x^{46} + x^{40} \\
&\quad + x^{36} + x^{34} + x^{32} + x^{30} + x^{26} + x^{24} + x^{20} + x^{18} + x^{12}, \\
p_9(x) &= x^{138} + x^{136} + x^{131} + x^{126} + x^{121} + x^{118} + x^{106} + x^{104} + x^{99} + x^{94} \\
&\quad + x^{89} + x^{86} + x^{74} + x^{72} + x^{67} + x^{62} + x^{58} + x^{57} + x^{56} + x^{54} + x^{51} \\
&\quad + x^{46} + x^{41} + x^{38} + x^{26} + x^{24} + x^{19} + x^{14} + x^9 + x^6, \\
p_{12}(x) &= x^{140} + x^{132} + x^{124} + x^{120} + x^{112} + x^{108} + x^{100} + x^{92} + x^{88} + x^{80} \\
&\quad + x^{76} + x^{68} + x^{56} + x^{52} + x^{48} + x^{44} + x^{40} + x^{32} + x^{28} + x^{20} + x^{12} \\
&\quad + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{143} + x^{133} + x^{132} + x^{129} + x^{125} + x^{123} + x^{121} + x^{113} + x^{112} \\
&\quad + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{89} + x^{87} \\
&\quad + x^{86} + x^{85} + x^{83} + x^{82} + x^{81} + x^{78} + x^{76} + x^{75} + x^{73} + x^{71} + x^{69} \\
&\quad + x^{66} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{54} + x^{53} + x^{48} + x^{47} + x^{44} \\
&\quad + x^{43} + x^{42}, \\
p_3(x) &= x^{145} + x^{140} + x^{133} + x^{129} + x^{128} + x^{127} + x^{118} + x^{117} + x^{116} + x^{115} \\
&\quad + x^{112} + x^{111} + x^{110} + x^{105} + x^{103} + x^{102} + x^{97} + x^{94} + x^{93} + x^{92} \\
&\quad + x^{90} + x^{89} + x^{87} + x^{86} + x^{83} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} \\
&\quad + x^{71} + x^{70} + x^{65} + x^{63} + x^{61} + x^{60} + x^{58} + x^{57} + x^{54} + x^{53} + x^{52} \\
&\quad + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{44} + x^{41} + x^{38} + x^{34} + x^{32} + x^{31} \\
&\quad + x^{29} + x^{28} + x^{27} + x^{25} + x^{24} + x^{23} + x^{22}, \\
p_6(x) &= x^{145} + x^{140} + x^{135} + x^{133} + x^{129} + x^{128} + x^{125} + x^{121} + x^{120} + x^{119} \\
&\quad + x^{118} + x^{117} + x^{116} + x^{113} + x^{112} + x^{108} + x^{107} + x^{103} + x^{102} \\
&\quad + x^{101} + x^{99} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{90} + x^{86} + x^{81} + x^{78} \\
&\quad + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{67} + x^{65} + x^{64} + x^{63} \\
&\quad + x^{62} + x^{58} + x^{53} + x^{50} + x^{48} + x^{47} + x^{46} + x^{44} + x^{43} + x^{39} + x^{38} \\
&\quad + x^{37} + x^{34} + x^{32} + x^{30} + x^{23} + x^{22} + x^{21} + x^{19} + x^{16} + x^{14} + x^{12} \\
&\quad + x^5 + x^3 + 1, \\
p_9(x) &= x^{145} + x^{143} + x^{140} + x^{125} + x^{123} + x^{120} + x^{113} + x^{111} + x^{108} + x^{93} \\
&\quad + x^{91} + x^{88} + x^{81} + x^{79} + x^{76} + x^{65} + x^{63} + x^{61} + x^{60} + x^{59} + x^{56} \\
&\quad + x^{45} + x^{43} + x^{40} + x^{33} + x^{31} + x^{28} + x^{13} + x^{11} + x^8, \\
p_{12}(x) &= x^{145} + x^{143} + x^{140} + x^{137} + x^{135} + x^{132} + x^{129} + x^{127} + x^{125} + x^{124} \\
&\quad + x^{123} + x^{120} + x^{117} + x^{115} + x^{113} + x^{112} + x^{111} + x^{108} + x^{105} \\
&\quad + x^{103} + x^{100} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{88} + x^{85} + x^{83} + x^{81}
\end{aligned}$$

$$\begin{aligned}
& + x^{80} + x^{79} + x^{76} + x^{73} + x^{71} + x^{68} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} \\
& + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{43} + x^{40} + x^{37} \\
& + x^{35} + x^{33} + x^{32} + x^{31} + x^{28} + x^{25} + x^{23} + x^{20} + x^{17} + x^{15} + x^{13} \\
& + x^{12} + x^{11} + x^8 + x^5 + x^3 + 1,
\end{aligned}$$

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

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

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

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	3073	[4943, 986]	6146	[280, 1099]	9219	[10188, 4287]
1	[3, 4]	3074	[4944, 3539]	6147	[287, 8151]	9220	[4801, 8279]
2	[5, 6]	3075	[4945, 4946]	6148	[8152, 4878]	9221	[7255, 10401]
3	[7, 8]	3076	[4440, 4947]	6149	[8153, 8154]	9222	[10402, 4650]
4	[9, 10]	3077	[4948, 3431]	6150	[7517, 8155]	9223	[10403, 10404]
5	[11, 12]	3078	[4949, 3257]	6151	[8156, 1448]	9224	[10405, 10406]
6	[13, 14]	3079	[4454, 1532]	6152	[3392, 8157]	9225	[8350, 8076]
7	[15, 16]	3080	[4950, 1395]	6153	[4386, 8158]	9226	[118, 8156]
8	[17, 18]	3081	[469, 4136]	6154	[1218, 4991]	9227	[8212, 10407]
9	[19, 20]	3082	[4951, 3698]	6155	[464, 8159]	9228	[972, 10408]
10	[21, 22]	3083	[4209, 4207]	6156	[8160, 7634]	9229	[7511, 10194]
11	[23, 24]	3084	[4952, 4798]	6157	[7592, 7346]	9230	[7796, 75]
12	[25, 26]	3085	[4953, 1432]	6158	[8161, 3562]	9231	[7402, 10409]
13	[27, 28]	3086	[987, 3718]	6159	[1139, 8162]	9232	[10410, 7843]
14	[29, 30]	3087	[4954, 4955]	6160	[8163, 8164]	9233	[7481, 8700]
15	[31, 32]	3088	[4956, 1046]	6161	[8165, 4933]	9234	[10411, 8614]
16	[33, 34]	3089	[478, 4957]	6162	[8166, 1281]	9235	[10412, 8266]
17	[35, 36]	3090	[3834, 4958]	6163	[3425, 4693]	9236	[8445, 10413]
18	[37, 38]	3091	[4959, 1182]	6164	[8167, 1381]	9237	[10414, 7025]
19	[39, 40]	3092	[4960, 4961]	6165	[72, 4821]	9238	[8382, 10415]
20	[41, 42]	3093	[4962, 4963]	6166	[7218, 8168]	9239	[1119, 7336]
21	[43, 44]	3094	[4964, 3260]	6167	[8169, 398]	9240	[8144, 8512]
22	[45, 46]	3095	[1614, 4965]	6168	[1109, 8170]	9241	[4390, 1346]
23	[47, 48]	3096	[4966, 4967]	6169	[7387, 8171]	9242	[10416, 3354]
24	[49, 50]	3097	[1046, 4968]	6170	[273, 8172]	9243	[7922, 10417]
25	[51, 52]	3098	[4969, 1483]	6171	[8173, 337]	9244	[1749, 10151]
26	[53, 54]	3099	[4119, 4970]	6172	[7448, 306]	9245	[10418, 4412]
27	[55, 56]	3100	[4971, 4906]	6173	[8174, 8060]	9246	[10419, 7126]
28	[57, 58]	3101	[1518, 3998]	6174	[8175, 8176]	9247	[1786, 7787]
29	[59, 60]	3102	[4728, 4972]	6175	[7789, 8177]	9248	[1654, 460]
30	[61, 62]	3103	[4973, 4974]	6176	[8178, 4725]	9249	[4891, 10420]
31	[63, 64]	3104	[4975, 1440]	6177	[8137, 4007]	9250	[4608, 1075]
32	[65, 66]	3105	[4976, 74]	6178	[3940, 8179]	9251	[10421, 10138]
33	[67, 68]	3106	[3211, 4977]	6179	[8095, 4217]	9252	[10422, 4504]

34	[69, 70]	3107	[4978, 4979]	6180	[3866, 4334]	9253	[7231, 10423]
35	[71, 72]	3108	[3723, 1047]	6181	[1570, 8180]	9254	[10424, 3442]
36	[73, 74]	3109	[4980, 1591]	6182	[8181, 4457]	9255	[10425, 7374]
37	[75, 76]	3110	[1613, 4611]	6183	[8182, 1595]	9256	[10426, 1482]
38	[77, 78]	3111	[4981, 4982]	6184	[4186, 7743]	9257	[7038, 10382]
39	[79, 80]	3112	[4983, 1081]	6185	[8183, 4427]	9258	[10427, 1648]
40	[81, 82]	3113	[4984, 3575]	6186	[8184, 3682]	9259	[10428, 8421]
41	[83, 84]	3114	[4985, 4655]	6187	[8185, 1107]	9260	[7049, 10429]
42	[85, 86]	3115	[1762, 4986]	6188	[8186, 7839]	9261	[10430, 3661]
43	[87, 88]	3116	[4987, 4707]	6189	[8187, 4620]	9262	[10431, 7295]
44	[89, 90]	3117	[4673, 4988]	6190	[7060, 8188]	9263	[1004, 4097]
45	[91, 92]	3118	[4989, 3368]	6191	[1257, 8189]	9264	[4885, 396]
46	[93, 94]	3119	[4990, 4567]	6192	[8190, 8191]	9265	[8263, 4848]
47	[95, 96]	3120	[4991, 4395]	6193	[4105, 7811]	9266	[3331, 10432]
48	[97, 5]	3121	[4992, 2263]	6194	[7902, 4706]	9267	[7734, 10433]
49	[98, 99]	3122	[4993, 4994]	6195	[8192, 3702]	9268	[19, 10135]
50	[100, 101]	3123	[4995, 4996]	6196	[8193, 7800]	9269	[10434, 8192]
51	[102, 103]	3124	[4997, 614]	6197	[1555, 8194]	9270	[10435, 115]
52	[104, 105]	3125	[2439, 4998]	6198	[8195, 1426]	9271	[1722, 3223]
53	[106, 107]	3126	[4999, 168]	6199	[8196, 4619]	9272	[10436, 4041]
54	[108, 109]	3127	[60, 753]	6200	[7028, 7733]	9273	[10437, 8083]
55	[110, 111]	3128	[5000, 5001]	6201	[8197, 980]	9274	[10192, 4595]
56	[112, 113]	3129	[1992, 5002]	6202	[3876, 1474]	9275	[10206, 7767]
57	[114, 115]	3130	[5003, 5004]	6203	[8198, 7875]	9276	[10438, 3926]
58	[116, 117]	3131	[5005, 54]	6204	[1538, 8199]	9277	[8580, 1455]
59	[118, 119]	3132	[5006, 5007]	6205	[8200, 7456]	9278	[10439, 1185]
60	[120, 121]	3133	[5008, 2827]	6206	[7477, 4522]	9279	[4024, 3654]
61	[122, 123]	3134	[5009, 5010]	6207	[8201, 1494]	9280	[7648, 10440]
62	[124, 125]	3135	[5011, 2835]	6208	[8202, 1390]	9281	[10441, 4066]
63	[59, 126]	3136	[5012, 5013]	6209	[4196, 8203]	9282	[7656, 8133]
64	[127, 128]	3137	[5014, 202]	6210	[8204, 8205]	9283	[1014, 10442]
65	[129, 130]	3138	[5015, 5016]	6211	[8206, 8207]	9284	[10443, 10444]
66	[131, 132]	3139	[756, 2693]	6212	[7933, 4946]	9285	[8279, 10343]
67	[133, 134]	3140	[5017, 5018]	6213	[1672, 8208]	9286	[10445, 7197]
68	[135, 136]	3141	[5019, 5020]	6214	[8209, 8210]	9287	[10400, 7973]
69	[137, 138]	3142	[5021, 5022]	6215	[4505, 4315]	9288	[1603, 4521]
70	[139, 140]	3143	[5023, 5024]	6216	[1272, 7159]	9289	[1578, 4732]
71	[141, 142]	3144	[5025, 5026]	6217	[4586, 8211]	9290	[10298, 10446]
72	[143, 144]	3145	[1859, 2372]	6218	[8212, 8213]	9291	[10447, 93]
73	[145, 146]	3146	[5027, 5028]	6219	[3236, 4140]	9292	[10448, 8547]
74	[147, 148]	3147	[5029, 2335]	6220	[4878, 8214]	9293	[8500, 4818]
75	[149, 150]	3148	[2260, 2219]	6221	[8215, 274]	9294	[8335, 10435]
76	[151, 152]	3149	[569, 5030]	6222	[3793, 8216]	9295	[10449, 4180]
77	[153, 154]	3150	[5031, 5032]	6223	[7807, 90]	9296	[3831, 299]

78	[155, 156]	3151	[5033, 5034]	6224	[8217, 4576]	9297	[7834, 8071]
79	[157, 158]	3152	[5035, 5036]	6225	[1392, 8218]	9298	[10450, 1212]
80	[159, 160]	3153	[5037, 5038]	6226	[8219, 117]	9299	[10136, 10451]
81	[161, 162]	3154	[5039, 5040]	6227	[4643, 8220]	9300	[10452, 1199]
82	[163, 164]	3155	[912, 5041]	6228	[8221, 3504]	9301	[7184, 8541]
83	[165, 166]	3156	[5042, 649]	6229	[4360, 4152]	9302	[3928, 1374]
84	[167, 168]	3157	[5043, 5044]	6230	[7546, 8222]	9303	[10453, 4091]
85	[169, 170]	3158	[2189, 743]	6231	[8194, 4635]	9304	[10454, 10455]
86	[171, 172]	3159	[5045, 685]	6232	[1594, 8223]	9305	[3129, 10456]
87	[173, 174]	3160	[5046, 2999]	6233	[8224, 3382]	9306	[10457, 434]
88	[175, 176]	3161	[1822, 5047]	6234	[7093, 7574]	9307	[4660, 8352]
89	[177, 178]	3162	[5048, 5049]	6235	[3873, 3667]	9308	[1627, 3225]
90	[179, 180]	3163	[5050, 5051]	6236	[1590, 4094]	9309	[3157, 10458]
91	[181, 182]	3164	[799, 5052]	6237	[7646, 4123]	9310	[72, 10459]
92	[183, 184]	3165	[5053, 2607]	6238	[7472, 8225]	9311	[10460, 7007]
93	[185, 186]	3166	[5054, 633]	6239	[8226, 8227]	9312	[10461, 10455]
94	[187, 188]	3167	[5053, 2942]	6240	[4355, 7251]	9313	[4116, 7584]
95	[189, 190]	3168	[160, 724]	6241	[4382, 426]	9314	[10462, 4488]
96	[191, 192]	3169	[220, 5055]	6242	[956, 7156]	9315	[10463, 1146]
97	[193, 194]	3170	[5056, 581]	6243	[8228, 1280]	9316	[10464, 10351]
98	[195, 196]	3171	[2768, 5057]	6244	[3253, 7586]	9317	[10465, 8447]
99	[197, 198]	3172	[2263, 5058]	6245	[3616, 1433]	9318	[7216, 10466]
100	[199, 200]	3173	[5059, 5060]	6246	[102, 8229]	9319	[10467, 1300]
101	[201, 202]	3174	[716, 2470]	6247	[8230, 7990]	9320	[1405, 4459]
102	[203, 204]	3175	[2943, 5061]	6248	[8002, 7760]	9321	[4260, 8722]
103	[205, 206]	3176	[5062, 616]	6249	[1724, 3232]	9322	[8520, 7532]
104	[207, 208]	3177	[245, 5063]	6250	[3564, 3572]	9323	[10468, 8717]
105	[209, 210]	3178	[5064, 5065]	6251	[3194, 3348]	9324	[10469, 1569]
106	[211, 212]	3179	[5066, 3013]	6252	[8231, 7505]	9325	[4267, 10470]
107	[213, 214]	3180	[5067, 5068]	6253	[8232, 4091]	9326	[8333, 10471]
108	[215, 216]	3181	[5069, 645]	6254	[8233, 7441]	9327	[10472, 7639]
109	[217, 218]	3182	[2323, 5070]	6255	[4367, 3270]	9328	[4348, 4844]
110	[219, 220]	3183	[5071, 5072]	6256	[8234, 8235]	9329	[10473, 8758]
111	[221, 222]	3184	[5073, 5074]	6257	[8236, 1071]	9330	[10474, 1427]
112	[223, 224]	3185	[5075, 5076]	6258	[7019, 7396]	9331	[3489, 10475]
113	[225, 226]	3186	[2387, 5077]	6259	[8237, 3375]	9332	[10476, 10477]
114	[227, 228]	3187	[2374, 2995]	6260	[3663, 8238]	9333	[7609, 7557]
115	[229, 230]	3188	[5078, 5079]	6261	[8239, 1765]	9334	[10434, 3518]
116	[231, 232]	3189	[5080, 5081]	6262	[8240, 7851]	9335	[3243, 3725]
117	[233, 234]	3190	[5082, 1998]	6263	[8241, 3395]	9336	[10469, 3587]
118	[235, 236]	3191	[5083, 3065]	6264	[8242, 3300]	9337	[10478, 106]
119	[237, 238]	3192	[642, 5084]	6265	[3144, 1781]	9338	[3783, 10479]
120	[239, 240]	3193	[5085, 2852]	6266	[8243, 8244]	9339	[3239, 3586]
121	[241, 242]	3194	[56, 2355]	6267	[8113, 3369]	9340	[10480, 358]

122	[243, 244]	3195	[5086, 5087]	6268	[1655, 461]	9341	[10481, 10482]
123	[245, 246]	3196	[5088, 2623]	6269	[324, 7063]	9342	[106, 10483]
124	[247, 248]	3197	[5089, 5090]	6270	[8245, 7464]	9343	[8655, 10484]
125	[249, 250]	3198	[5091, 2735]	6271	[8246, 8247]	9344	[8229, 4508]
126	[251, 252]	3199	[5092, 2753]	6272	[8011, 7040]	9345	[10485, 3236]
127	[253, 254]	3200	[2682, 3078]	6273	[8248, 388]	9346	[7630, 10486]
128	[255, 256]	3201	[3071, 5093]	6274	[8249, 4296]	9347	[4281, 10381]
129	[257, 258]	3202	[5094, 5095]	6275	[8250, 8208]	9348	[272, 7492]
130	[259, 260]	3203	[231, 5096]	6276	[4073, 4757]	9349	[1073, 8052]
131	[261, 262]	3204	[5097, 5098]	6277	[1771, 8251]	9350	[7472, 3760]
132	[263, 264]	3205	[5091, 5099]	6278	[8252, 8253]	9351	[1217, 4210]
133	[265, 266]	3206	[5009, 2788]	6279	[8254, 472]	9352	[8139, 10487]
134	[267, 268]	3207	[5100, 5101]	6280	[8255, 8256]	9353	[10488, 7950]
135	[269, 270]	3208	[5102, 709]	6281	[3991, 106]	9354	[3758, 8302]
136	[271, 272]	3209	[5103, 5104]	6282	[8257, 3287]	9355	[10489, 10490]
137	[273, 274]	3210	[5105, 596]	6283	[8258, 8259]	9356	[8124, 10297]
138	[275, 276]	3211	[5106, 5107]	6284	[4334, 4575]	9357	[10491, 4330]
139	[277, 278]	3212	[5108, 5109]	6285	[1528, 7831]	9358	[8429, 10492]
140	[279, 280]	3213	[5110, 646]	6286	[8260, 8261]	9359	[7780, 10493]
141	[281, 282]	3214	[5111, 2455]	6287	[8262, 1730]	9360	[7369, 8610]
142	[283, 284]	3215	[5112, 5113]	6288	[8263, 1792]	9361	[10494, 8413]
143	[285, 286]	3216	[5114, 5115]	6289	[4941, 8264]	9362	[8190, 427]
144	[287, 288]	3217	[5116, 567]	6290	[8265, 8266]	9363	[7491, 10495]
145	[289, 290]	3218	[5117, 5118]	6291	[8267, 3639]	9364	[10496, 10497]
146	[291, 292]	3219	[2094, 5119]	6292	[3319, 3987]	9365	[10498, 1108]
147	[293, 294]	3220	[5120, 1822]	6293	[7561, 8257]	9366	[4739, 4804]
148	[295, 260]	3221	[572, 5121]	6294	[8268, 1118]	9367	[4844, 10499]
149	[296, 297]	3222	[5122, 2507]	6295	[3159, 125]	9368	[8472, 10500]
150	[298, 299]	3223	[5123, 5124]	6296	[8269, 8056]	9369	[259, 8466]
151	[300, 301]	3224	[2498, 5125]	6297	[8270, 8271]	9370	[10220, 10501]
152	[302, 303]	3225	[5126, 5127]	6298	[7819, 8272]	9371	[3525, 10502]
153	[304, 305]	3226	[5128, 2777]	6299	[8273, 8056]	9372	[4925, 10503]
154	[306, 307]	3227	[5129, 5130]	6300	[8274, 8275]	9373	[3154, 4972]
155	[308, 309]	3228	[527, 5131]	6301	[7253, 7320]	9374	[3491, 10504]
156	[310, 311]	3229	[5132, 5133]	6302	[4228, 3634]	9375	[3472, 10505]
157	[312, 313]	3230	[1801, 5134]	6303	[6994, 8276]	9376	[1503, 1114]
158	[314, 315]	3231	[5135, 5136]	6304	[8022, 8277]	9377	[10506, 4787]
159	[316, 317]	3232	[5137, 5138]	6305	[7981, 8065]	9378	[3470, 3472]
160	[318, 319]	3233	[3025, 2088]	6306	[8278, 8279]	9379	[10507, 7987]
161	[320, 321]	3234	[5139, 5140]	6307	[8280, 8281]	9380	[10464, 8062]
162	[322, 323]	3235	[5141, 5142]	6308	[7763, 8282]	9381	[8670, 10508]
163	[324, 325]	3236	[1910, 2100]	6309	[8283, 3869]	9382	[7162, 10479]
164	[326, 327]	3237	[5075, 5143]	6310	[4514, 1396]	9383	[8325, 10509]
165	[328, 329]	3238	[2810, 5144]	6311	[8284, 3721]	9384	[10510, 4293]

166	[330, 331]	3239	[3101, 923]	6312	[8285, 8286]	9385	[7998, 4297]
167	[332, 333]	3240	[5145, 5146]	6313	[4436, 4537]	9386	[4342, 1651]
168	[334, 335]	3241	[1956, 5147]	6314	[4191, 7607]	9387	[10511, 7611]
169	[336, 337]	3242	[5148, 5149]	6315	[3885, 4678]	9388	[10512, 292]
170	[338, 339]	3243	[5150, 5151]	6316	[7610, 8287]	9389	[7045, 10513]
171	[340, 341]	3244	[5152, 885]	6317	[3925, 8288]	9390	[10514, 10490]
172	[342, 343]	3245	[5153, 5154]	6318	[1740, 8289]	9391	[10515, 4126]
173	[344, 345]	3246	[2318, 5155]	6319	[4150, 8290]	9392	[4580, 10516]
174	[346, 347]	3247	[5156, 5157]	6320	[8291, 86]	9393	[1641, 10517]
175	[348, 349]	3248	[2686, 5158]	6321	[4394, 4054]	9394	[4884, 4942]
176	[350, 351]	3249	[3090, 5159]	6322	[8292, 1506]	9395	[7808, 10518]
177	[352, 353]	3250	[5160, 5161]	6323	[8293, 3595]	9396	[7872, 10519]
178	[354, 355]	3251	[5162, 733]	6324	[1540, 8294]	9397	[10520, 1738]
179	[356, 357]	3252	[2345, 5163]	6325	[1444, 1789]	9398	[3438, 8300]
180	[358, 359]	3253	[5164, 1923]	6326	[8295, 4741]	9399	[7052, 8241]
181	[360, 361]	3254	[5165, 5166]	6327	[8296, 8297]	9400	[1557, 10521]
182	[362, 363]	3255	[5167, 5168]	6328	[4047, 995]	9401	[10522, 1047]
183	[364, 365]	3256	[5169, 5170]	6329	[3614, 8298]	9402	[10474, 10523]
184	[366, 367]	3257	[5171, 5172]	6330	[8027, 8299]	9403	[4894, 10524]
185	[368, 369]	3258	[5173, 5174]	6331	[7281, 8205]	9404	[10525, 1208]
186	[370, 371]	3259	[5175, 5176]	6332	[8035, 8300]	9405	[10526, 7158]
187	[372, 373]	3260	[5177, 931]	6333	[7254, 4579]	9406	[10527, 1115]
188	[374, 324]	3261	[503, 5178]	6334	[8301, 8302]	9407	[4234, 1372]
189	[283, 375]	3262	[5179, 905]	6335	[6996, 8303]	9408	[10528, 10529]
190	[376, 377]	3263	[5180, 2990]	6336	[7541, 8304]	9409	[10530, 425]
191	[378, 379]	3264	[5181, 5182]	6337	[8305, 3935]	9410	[7991, 1364]
192	[380, 381]	3265	[5183, 5184]	6338	[8306, 3812]	9411	[1020, 3582]
193	[382, 383]	3266	[5185, 5186]	6339	[3185, 8307]	9412	[7659, 3802]
194	[384, 385]	3267	[5187, 2620]	6340	[8308, 3391]	9413	[10531, 8604]
195	[64, 386]	3268	[3046, 5188]	6341	[8309, 3452]	9414	[4859, 7749]
196	[387, 388]	3269	[5189, 5190]	6342	[4647, 8310]	9415	[1530, 10532]
197	[389, 390]	3270	[5191, 2021]	6343	[8311, 7137]	9416	[269, 1628]
198	[391, 392]	3271	[5109, 938]	6344	[8312, 8313]	9417	[3561, 10533]
199	[335, 393]	3272	[2072, 5192]	6345	[7206, 3540]	9418	[10534, 10535]
200	[394, 395]	3273	[5193, 5194]	6346	[8314, 8315]	9419	[10361, 8438]
201	[396, 397]	3274	[5195, 163]	6347	[8316, 1740]	9420	[3791, 10536]
202	[398, 399]	3275	[5196, 5197]	6348	[4392, 8317]	9421	[87, 7449]
203	[400, 401]	3276	[5198, 5199]	6349	[3205, 8318]	9422	[376, 7549]
204	[402, 403]	3277	[5200, 5201]	6350	[3669, 7138]	9423	[10537, 1608]
205	[404, 405]	3278	[5202, 2321]	6351	[4735, 95]	9424	[7063, 10538]
206	[406, 407]	3279	[5203, 5204]	6352	[8319, 7472]	9425	[10539, 7757]
207	[408, 409]	3280	[5205, 5206]	6353	[8320, 8321]	9426	[10540, 7615]
208	[410, 411]	3281	[5207, 5208]	6354	[8322, 7708]	9427	[10541, 4720]
209	[412, 413]	3282	[5209, 5210]	6355	[4065, 7828]	9428	[10542, 8588]

210	[414, 415]	3283	[5211, 2428]	6356	[8323, 1367]	9429	[8265, 10543]
211	[416, 417]	3284	[3087, 5140]	6357	[4005, 4578]	9430	[1707, 93]
212	[418, 419]	3285	[5212, 5213]	6358	[8324, 7820]	9431	[8052, 10544]
213	[285, 420]	3286	[5214, 2823]	6359	[8325, 8326]	9432	[3836, 7377]
214	[421, 422]	3287	[14, 1837]	6360	[8327, 8328]	9433	[10545, 3522]
215	[423, 424]	3288	[5215, 769]	6361	[8235, 8329]	9434	[341, 4001]
216	[425, 426]	3289	[5216, 1959]	6362	[8330, 8331]	9435	[3312, 10546]
217	[427, 428]	3290	[5217, 5218]	6363	[4734, 3949]	9436	[10547, 10497]
218	[429, 430]	3291	[5219, 5220]	6364	[1149, 8332]	9437	[8318, 7668]
219	[431, 432]	3292	[5221, 535]	6365	[8333, 8334]	9438	[10548, 7229]
220	[433, 434]	3293	[5222, 5223]	6366	[8335, 114]	9439	[8786, 10549]
221	[435, 436]	3294	[5224, 5225]	6367	[8336, 4169]	9440	[10550, 1470]
222	[437, 438]	3295	[5226, 5227]	6368	[1261, 8337]	9441	[3592, 1112]
223	[439, 440]	3296	[5228, 1879]	6369	[8338, 1756]	9442	[1100, 3437]
224	[441, 442]	3297	[5229, 5230]	6370	[7141, 8339]	9443	[10551, 976]
225	[443, 444]	3298	[5231, 2630]	6371	[1367, 7547]	9444	[3499, 10552]
226	[445, 446]	3299	[5232, 5233]	6372	[8340, 4000]	9445	[8456, 10553]
227	[447, 448]	3300	[5234, 1809]	6373	[7815, 8341]	9446	[4314, 3591]
228	[449, 450]	3301	[5184, 5235]	6374	[8342, 7645]	9447	[7810, 10554]
229	[451, 452]	3302	[5236, 2717]	6375	[8206, 8343]	9448	[1779, 10555]
230	[453, 454]	3303	[5237, 2391]	6376	[8344, 8345]	9449	[4085, 358]
231	[455, 456]	3304	[5043, 5238]	6377	[8346, 8347]	9450	[8127, 10556]
232	[457, 297]	3305	[5239, 5240]	6378	[8258, 1268]	9451	[4645, 10557]
233	[458, 459]	3306	[5241, 5242]	6379	[1723, 8348]	9452	[4439, 4279]
234	[460, 461]	3307	[5243, 5244]	6380	[8349, 3229]	9453	[3450, 3318]
235	[462, 463]	3308	[5245, 2838]	6381	[8350, 1550]	9454	[3421, 1124]
236	[464, 465]	3309	[731, 5246]	6382	[7085, 3262]	9455	[7509, 356]
237	[466, 381]	3310	[586, 728]	6383	[8351, 7172]	9456	[10558, 10501]
238	[467, 468]	3311	[5247, 5248]	6384	[8352, 7326]	9457	[10559, 1074]
239	[469, 470]	3312	[5249, 2463]	6385	[8353, 4922]	9458	[4012, 7551]
240	[471, 472]	3313	[5250, 5251]	6386	[8354, 8355]	9459	[10560, 3554]
241	[473, 474]	3314	[5252, 5253]	6387	[3414, 8356]	9460	[4, 10561]
242	[475, 476]	3315	[2996, 5254]	6388	[7851, 8357]	9461	[1231, 1558]
243	[477, 478]	3316	[1979, 172]	6389	[7114, 8358]	9462	[10562, 10563]
244	[479, 480]	3317	[2809, 3022]	6390	[8359, 8360]	9463	[3420, 1123]
245	[481, 482]	3318	[5255, 5256]	6391	[8361, 4315]	9464	[4913, 8526]
246	[483, 484]	3319	[5257, 5258]	6392	[8122, 8362]	9465	[10463, 3724]
247	[485, 486]	3320	[5259, 5260]	6393	[8363, 1079]	9466	[10564, 99]
248	[487, 488]	3321	[5261, 1964]	6394	[8364, 4949]	9467	[10565, 7417]
249	[489, 490]	3322	[5262, 5263]	6395	[8365, 1359]	9468	[3733, 10566]
250	[491, 492]	3323	[5264, 656]	6396	[8366, 7303]	9469	[7725, 1493]
251	[493, 494]	3324	[5265, 5266]	6397	[7697, 8367]	9470	[10567, 1333]
252	[495, 496]	3325	[1812, 5072]	6398	[8368, 1665]	9471	[10526, 302]
253	[497, 498]	3326	[5267, 584]	6399	[7407, 6985]	9472	[4011, 7550]

254	[499, 500]	3327	[5268, 5269]	6400	[8369, 4172]	9473	[1714, 10568]
255	[501, 502]	3328	[1923, 5270]	6401	[7482, 8370]	9474	[1354, 10444]
256	[503, 504]	3329	[1920, 5083]	6402	[8371, 8025]	9475	[352, 8436]
257	[505, 506]	3330	[1923, 641]	6403	[8372, 1412]	9476	[10569, 4197]
258	[507, 508]	3331	[5271, 5272]	6404	[88, 7450]	9477	[8092, 10570]
259	[509, 510]	3332	[2305, 5273]	6405	[4748, 4386]	9478	[1431, 10571]
260	[511, 512]	3333	[5272, 5274]	6406	[4860, 7364]	9479	[7579, 7271]
261	[513, 514]	3334	[5270, 642]	6407	[8373, 4222]	9480	[4199, 8517]
262	[515, 516]	3335	[2347, 2892]	6408	[3540, 3814]	9481	[7362, 4480]
263	[517, 518]	3336	[2205, 2301]	6409	[8374, 8375]	9482	[4385, 10572]
264	[519, 520]	3337	[5085, 5275]	6410	[8376, 4115]	9483	[10573, 8093]
265	[521, 522]	3338	[5276, 5277]	6411	[4800, 8278]	9484	[983, 10574]
266	[523, 524]	3339	[5278, 5279]	6412	[8377, 7669]	9485	[10575, 4695]
267	[37, 525]	3340	[2720, 5280]	6413	[1612, 4610]	9486	[10576, 4908]
268	[526, 527]	3341	[5281, 5032]	6414	[8378, 8379]	9487	[10577, 3178]
269	[528, 529]	3342	[5282, 5283]	6415	[8380, 1014]	9488	[3826, 10578]
270	[530, 531]	3343	[2471, 5284]	6416	[8381, 4827]	9489	[7263, 7892]
271	[532, 533]	3344	[2935, 2763]	6417	[8382, 1049]	9490	[10579, 440]
272	[534, 535]	3345	[5285, 5286]	6418	[7573, 8383]	9491	[10580, 4047]
273	[536, 537]	3346	[2703, 2229]	6419	[4451, 4740]	9492	[10581, 4955]
274	[538, 539]	3347	[5112, 5287]	6420	[8384, 4739]	9493	[4562, 3289]
275	[540, 541]	3348	[5288, 5289]	6421	[8202, 4207]	9494	[8175, 10582]
276	[542, 543]	3349	[5290, 5291]	6422	[7749, 8385]	9495	[1212, 4835]
277	[544, 545]	3350	[5292, 820]	6423	[8386, 3832]	9496	[1380, 8336]
278	[546, 547]	3351	[5293, 790]	6424	[4978, 8387]	9497	[10583, 4510]
279	[548, 549]	3352	[5294, 2881]	6425	[8388, 8389]	9498	[10584, 3247]
280	[550, 551]	3353	[2404, 5295]	6426	[8390, 8306]	9499	[10585, 4372]
281	[552, 553]	3354	[5296, 5297]	6427	[8391, 4014]	9500	[10586, 10587]
282	[554, 555]	3355	[5298, 797]	6428	[7992, 1365]	9501	[8666, 10588]
283	[556, 557]	3356	[728, 5299]	6429	[1077, 8392]	9502	[3577, 7930]
284	[558, 559]	3357	[2554, 5300]	6430	[7740, 3859]	9503	[1727, 7328]
285	[560, 561]	3358	[2425, 532]	6431	[8393, 1685]	9504	[10589, 3776]
286	[562, 563]	3359	[5301, 2422]	6432	[3441, 8394]	9505	[3927, 7791]
287	[564, 565]	3360	[2070, 5302]	6433	[8395, 8396]	9506	[1316, 10590]
288	[566, 537]	3361	[5303, 5304]	6434	[8397, 8398]	9507	[10591, 7795]
289	[567, 568]	3362	[5305, 2260]	6435	[8399, 7389]	9508	[7449, 10592]
290	[569, 570]	3363	[5306, 5307]	6436	[8400, 25]	9509	[1453, 10593]
291	[571, 572]	3364	[5308, 5309]	6437	[8401, 4784]	9510	[8771, 10594]
292	[573, 574]	3365	[5310, 5311]	6438	[7577, 1004]	9511	[7067, 4349]
293	[575, 576]	3366	[5312, 5313]	6439	[4164, 1527]	9512	[439, 10595]
294	[577, 578]	3367	[876, 207]	6440	[8402, 1758]	9513	[8367, 4727]
295	[579, 580]	3368	[5314, 5194]	6441	[8403, 8404]	9514	[1314, 491]
296	[581, 582]	3369	[5051, 5315]	6442	[4406, 8405]	9515	[7601, 429]
297	[583, 584]	3370	[5316, 5317]	6443	[8406, 7577]	9516	[8760, 8376]

298	[585, 586]	3371	[5318, 3071]	6444	[8165, 8407]	9517	[1772, 8598]
299	[587, 588]	3372	[2105, 5319]	6445	[8408, 7696]	9518	[8622, 10596]
300	[589, 590]	3373	[5060, 5320]	6446	[7175, 4160]	9519	[7563, 3804]
301	[591, 592]	3374	[889, 5321]	6447	[4730, 8409]	9520	[10597, 4144]
302	[593, 594]	3375	[5295, 5322]	6448	[4702, 3432]	9521	[1175, 10598]
303	[595, 596]	3376	[5323, 5324]	6449	[8410, 8411]	9522	[4934, 4010]
304	[597, 539]	3377	[5325, 5326]	6450	[8412, 8413]	9523	[1111, 10599]
305	[598, 599]	3378	[168, 5327]	6451	[7480, 4883]	9524	[10600, 3729]
306	[600, 601]	3379	[5328, 5329]	6452	[8414, 1154]	9525	[3231, 7712]
307	[602, 603]	3380	[5330, 5331]	6453	[3281, 8415]	9526	[4428, 3199]
308	[604, 605]	3381	[5002, 5332]	6454	[1644, 8416]	9527	[10601, 4277]
309	[606, 607]	3382	[5333, 5334]	6455	[8417, 4869]	9528	[4733, 6979]
310	[608, 609]	3383	[831, 5335]	6456	[8418, 3567]	9529	[7876, 3159]
311	[610, 156]	3384	[5336, 5337]	6457	[4386, 8419]	9530	[10602, 7112]
312	[611, 612]	3385	[5338, 5339]	6458	[8147, 8420]	9531	[3320, 10603]
313	[613, 614]	3386	[5340, 5199]	6459	[7568, 3999]	9532	[10604, 1337]
314	[615, 616]	3387	[882, 2137]	6460	[8421, 8422]	9533	[478, 10605]
315	[617, 618]	3388	[5341, 5342]	6461	[68, 8114]	9534	[10606, 3902]
316	[619, 620]	3389	[5343, 5344]	6462	[1544, 7764]	9535	[4535, 3551]
317	[621, 622]	3390	[5345, 5346]	6463	[252, 3264]	9536	[3454, 10607]
318	[623, 624]	3391	[766, 519]	6464	[4170, 1382]	9537	[3893, 10608]
319	[625, 626]	3392	[5347, 5348]	6465	[1607, 8423]	9538	[1196, 3548]
320	[627, 628]	3393	[5349, 697]	6466	[4714, 4527]	9539	[6991, 417]
321	[629, 630]	3394	[5350, 5302]	6467	[8424, 8425]	9540	[1072, 10609]
322	[631, 632]	3395	[5351, 5352]	6468	[1481, 4281]	9541	[4874, 7149]
323	[633, 634]	3396	[5353, 2499]	6469	[3860, 4789]	9542	[10610, 10524]
324	[635, 636]	3397	[5354, 2855]	6470	[261, 8426]	9543	[25, 10611]
325	[637, 638]	3398	[5355, 5356]	6471	[8427, 4027]	9544	[7257, 4871]
326	[639, 640]	3399	[5357, 209]	6472	[7635, 8428]	9545	[8722, 8044]
327	[641, 642]	3400	[2871, 5358]	6473	[4433, 7291]	9546	[10612, 7925]
328	[643, 644]	3401	[5359, 2945]	6474	[8429, 7194]	9547	[10613, 10614]
329	[645, 646]	3402	[5360, 2565]	6475	[8430, 8431]	9548	[10615, 10290]
330	[647, 648]	3403	[32, 195]	6476	[8432, 8345]	9549	[10143, 3490]
331	[649, 48]	3404	[5361, 5362]	6477	[8433, 8434]	9550	[7250, 279]
332	[497, 650]	3405	[5363, 5364]	6478	[8435, 8436]	9551	[7613, 8138]
333	[651, 652]	3406	[5365, 5366]	6479	[8437, 7705]	9552	[10616, 4190]
334	[653, 654]	3407	[5367, 5368]	6480	[8438, 311]	9553	[4435, 1121]
335	[655, 656]	3408	[5369, 5370]	6481	[8439, 3580]	9554	[10597, 8021]
336	[32, 657]	3409	[5034, 834]	6482	[8401, 8440]	9555	[1284, 8304]
337	[658, 659]	3410	[5371, 5372]	6483	[7186, 8441]	9556	[8076, 1551]
338	[660, 661]	3411	[2731, 779]	6484	[7163, 8396]	9557	[7292, 3404]
339	[662, 663]	3412	[5373, 5374]	6485	[1386, 8442]	9558	[10617, 8574]
340	[664, 665]	3413	[5375, 2695]	6486	[8443, 7240]	9559	[10618, 1241]
341	[137, 666]	3414	[5376, 5377]	6487	[8444, 7920]	9560	[10446, 4228]

342	[667, 668]	3415	[5378, 926]	6488	[8445, 8446]	9561	[7055, 4854]
343	[669, 520]	3416	[5379, 2760]	6489	[3407, 7198]	9562	[1563, 10619]
344	[670, 671]	3417	[5380, 860]	6490	[6986, 8447]	9563	[3743, 10620]
345	[672, 673]	3418	[5381, 5382]	6491	[8448, 8449]	9564	[120, 10621]
346	[674, 675]	3419	[5383, 5384]	6492	[8450, 1105]	9565	[10622, 3325]
347	[676, 677]	3420	[5385, 5386]	6493	[1322, 8451]	9566	[4530, 7954]
348	[678, 679]	3421	[5387, 37]	6494	[79, 8452]	9567	[3713, 1387]
349	[680, 681]	3422	[5388, 5389]	6495	[7828, 4405]	9568	[10416, 10623]
350	[682, 683]	3423	[1904, 5390]	6496	[8453, 1656]	9569	[10624, 7908]
351	[684, 685]	3424	[5322, 5391]	6497	[8454, 8455]	9570	[4830, 8807]
352	[686, 687]	3425	[5392, 669]	6498	[8456, 8457]	9571	[10625, 10626]
353	[688, 689]	3426	[2429, 5393]	6499	[4127, 3853]	9572	[10619, 3184]
354	[690, 691]	3427	[880, 5394]	6500	[7685, 1414]	9573	[4282, 4642]
355	[692, 693]	3428	[5395, 136]	6501	[4502, 7152]	9574	[10627, 4689]
356	[694, 695]	3429	[783, 5396]	6502	[4179, 3558]	9575	[1115, 10628]
357	[696, 697]	3430	[523, 5397]	6503	[8458, 1353]	9576	[10629, 1724]
358	[698, 699]	3431	[5398, 5399]	6504	[4129, 8459]	9577	[10630, 1485]
359	[700, 701]	3432	[2964, 2183]	6505	[8460, 7745]	9578	[10631, 1466]
360	[702, 703]	3433	[5400, 5401]	6506	[7775, 7071]	9579	[1695, 10632]
361	[704, 705]	3434	[5402, 5403]	6507	[1491, 8461]	9580	[1273, 7970]
362	[706, 707]	3435	[663, 5404]	6508	[8462, 8463]	9581	[8547, 10633]
363	[708, 709]	3436	[5405, 186]	6509	[7647, 4462]	9582	[4834, 10634]
364	[710, 711]	3437	[5406, 5407]	6510	[8330, 8464]	9583	[3543, 4092]
365	[712, 713]	3438	[223, 5408]	6511	[8465, 4928]	9584	[10635, 1283]
366	[714, 715]	3439	[5409, 5410]	6512	[8466, 8467]	9585	[4373, 7178]
367	[716, 717]	3440	[2283, 5027]	6513	[8468, 8164]	9586	[10303, 8271]
368	[718, 719]	3441	[2273, 5411]	6514	[7576, 1003]	9587	[7395, 1001]
369	[720, 721]	3442	[3010, 496]	6515	[3635, 7677]	9588	[346, 10636]
370	[722, 577]	3443	[5412, 5413]	6516	[4864, 8469]	9589	[10637, 3288]
371	[723, 724]	3444	[2847, 52]	6517	[3206, 8470]	9590	[10638, 3847]
372	[725, 726]	3445	[5414, 5415]	6518	[8471, 8251]	9591	[8131, 3747]
373	[727, 728]	3446	[5416, 5417]	6519	[8472, 8473]	9592	[3840, 1017]
374	[729, 730]	3447	[5418, 1842]	6520	[8474, 7333]	9593	[7273, 1662]
375	[731, 732]	3448	[5419, 1953]	6521	[4569, 8475]	9594	[10639, 10640]
376	[733, 734]	3449	[5420, 5421]	6522	[4650, 3350]	9595	[3865, 4333]
377	[735, 736]	3450	[5422, 5257]	6523	[8476, 468]	9596	[10641, 4757]
378	[737, 738]	3451	[5423, 5424]	6524	[4656, 8477]	9597	[10392, 4227]
379	[739, 740]	3452	[5425, 2703]	6525	[4831, 8478]	9598	[10642, 7432]
380	[741, 742]	3453	[5426, 5047]	6526	[8479, 4901]	9599	[10643, 3194]
381	[743, 744]	3454	[5427, 5428]	6527	[8480, 4822]	9600	[10644, 3923]
382	[745, 746]	3455	[2530, 2224]	6528	[8481, 4433]	9601	[3718, 10645]
383	[747, 748]	3456	[5429, 5430]	6529	[1689, 1098]	9602	[10646, 1160]
384	[749, 750]	3457	[547, 5431]	6530	[7327, 7931]	9603	[10647, 10484]
385	[751, 752]	3458	[5432, 5433]	6531	[4702, 1126]	9604	[7032, 10648]

386	[126, 753]	3459	[56, 5434]	6532	[3778, 8482]	9605	[4658, 4699]
387	[208, 754]	3460	[2565, 5001]	6533	[8483, 3840]	9606	[3825, 4659]
388	[755, 756]	3461	[1906, 5435]	6534	[8484, 8485]	9607	[3830, 298]
389	[757, 758]	3462	[5436, 5437]	6535	[7596, 8486]	9608	[7394, 10649]
390	[759, 760]	3463	[5207, 5438]	6536	[8045, 3659]	9609	[7786, 10650]
391	[761, 762]	3464	[5439, 5440]	6537	[7681, 7965]	9610	[4858, 3855]
392	[763, 764]	3465	[568, 2722]	6538	[8487, 8488]	9611	[10571, 7205]
393	[765, 766]	3466	[5441, 826]	6539	[8489, 7027]	9612	[10651, 10307]
394	[767, 768]	3467	[5442, 5443]	6540	[3725, 8490]	9613	[4245, 10652]
395	[769, 770]	3468	[581, 5279]	6541	[7915, 3527]	9614	[1384, 3454]
396	[771, 772]	3469	[5444, 5445]	6542	[1409, 4583]	9615	[10653, 8154]
397	[773, 774]	3470	[903, 5446]	6543	[8462, 1467]	9616	[3551, 10654]
398	[775, 776]	3471	[5447, 1899]	6544	[8487, 1187]	9617	[8089, 10252]
399	[777, 778]	3472	[5448, 725]	6545	[6545, 6545]	9618	[1780, 10655]
400	[779, 780]	3473	[5446, 5449]	6546	[6980, 8491]	9619	[7959, 3808]
401	[781, 782]	3474	[5450, 5451]	6547	[8492, 4060]	9620	[4123, 4462]
402	[783, 784]	3475	[5452, 5453]	6548	[8493, 3667]	9621	[3736, 10656]
403	[785, 786]	3476	[5310, 5454]	6549	[8494, 6999]	9622	[10657, 3511]
404	[787, 788]	3477	[5455, 3014]	6550	[8458, 3934]	9623	[7089, 10658]
405	[789, 790]	3478	[5456, 5457]	6551	[3856, 7927]	9624	[4940, 7310]
406	[791, 792]	3479	[5458, 5459]	6552	[7002, 8441]	9625	[10659, 483]
407	[793, 512]	3480	[5460, 2591]	6553	[8495, 1768]	9626	[10660, 1635]
408	[698, 794]	3481	[5461, 5462]	6554	[8162, 3523]	9627	[7346, 10661]
409	[795, 796]	3482	[5463, 5464]	6555	[1008, 7460]	9628	[10662, 4414]
410	[797, 798]	3483	[1901, 5465]	6556	[4129, 4629]	9629	[10663, 3220]
411	[799, 800]	3484	[1983, 5466]	6557	[8496, 7700]	9630	[10131, 10664]
412	[801, 802]	3485	[633, 5467]	6558	[8497, 1627]	9631	[10665, 7493]
413	[803, 804]	3486	[1906, 5468]	6559	[1406, 1504]	9632	[3658, 10666]
414	[805, 806]	3487	[5469, 3061]	6560	[8312, 8498]	9633	[10667, 7021]
415	[807, 808]	3488	[5470, 5471]	6561	[8322, 8499]	9634	[10668, 1406]
416	[809, 810]	3489	[854, 5472]	6562	[7617, 8500]	9635	[3334, 7401]
417	[811, 812]	3490	[5473, 5474]	6563	[8501, 1157]	9636	[7392, 7700]
418	[813, 197]	3491	[157, 5475]	6564	[3942, 8502]	9637	[10669, 3936]
419	[814, 815]	3492	[5476, 5477]	6565	[8503, 8504]	9638	[10473, 10670]
420	[816, 817]	3493	[5478, 2325]	6566	[8505, 8506]	9639	[8365, 10671]
421	[818, 649]	3494	[5479, 5480]	6567	[8507, 8012]	9640	[10147, 3779]
422	[819, 820]	3495	[5481, 5482]	6568	[8508, 1700]	9641	[7843, 10672]
423	[686, 618]	3496	[5483, 5484]	6569	[8243, 8509]	9642	[10428, 10673]
424	[821, 822]	3497	[5485, 5305]	6570	[4378, 1328]	9643	[7528, 10674]
425	[823, 824]	3498	[5486, 5487]	6571	[8510, 1138]	9644	[10675, 10493]
426	[825, 826]	3499	[658, 5488]	6572	[3934, 259]	9645	[7239, 10676]
427	[827, 828]	3500	[5489, 2455]	6573	[8511, 8512]	9646	[8222, 4158]
428	[829, 830]	3501	[3020, 2578]	6574	[1106, 8513]	9647	[8750, 4686]
429	[831, 832]	3502	[5490, 1806]	6575	[8514, 7839]	9648	[10677, 4945]

430	[833, 834]	3503	[5491, 57]	6576	[8309, 8515]	9649	[3889, 10678]
431	[835, 836]	3504	[5492, 5440]	6577	[8516, 1195]	9650	[7102, 3766]
432	[837, 838]	3505	[5493, 2108]	6578	[8517, 4033]	9651	[3894, 3213]
433	[839, 840]	3506	[5494, 5495]	6579	[8466, 8518]	9652	[1604, 10679]
434	[841, 842]	3507	[1877, 5496]	6580	[8519, 8520]	9653	[10680, 8547]
435	[843, 844]	3508	[5497, 5079]	6581	[8521, 7295]	9654	[10681, 3423]
436	[845, 846]	3509	[5285, 5132]	6582	[4506, 4316]	9655	[8664, 1507]
437	[847, 848]	3510	[524, 5498]	6583	[7795, 8522]	9656	[3504, 28]
438	[849, 850]	3511	[5379, 823]	6584	[8523, 8524]	9657	[7958, 3807]
439	[851, 852]	3512	[5499, 2797]	6585	[8525, 8526]	9658	[10682, 8062]
440	[853, 854]	3513	[505, 2015]	6586	[8527, 4109]	9659	[4610, 10683]
441	[530, 855]	3514	[5500, 770]	6587	[3864, 4344]	9660	[10684, 4333]
442	[856, 857]	3515	[5501, 5502]	6588	[8528, 4526]	9661	[7700, 7799]
443	[858, 859]	3516	[2904, 5503]	6589	[8529, 7099]	9662	[1274, 10685]
444	[860, 861]	3517	[5504, 3085]	6590	[7294, 7569]	9663	[10549, 8674]
445	[862, 863]	3518	[2388, 5505]	6591	[7185, 4469]	9664	[7526, 10686]
446	[864, 865]	3519	[5506, 144]	6592	[8117, 8530]	9665	[10687, 321]
447	[866, 867]	3520	[5507, 5508]	6593	[325, 7064]	9666	[4576, 3339]
448	[868, 869]	3521	[3016, 5509]	6594	[8424, 8531]	9667	[3948, 10688]
449	[870, 871]	3522	[5510, 5511]	6595	[8532, 1171]	9668	[7244, 10689]
450	[872, 873]	3523	[2116, 2982]	6596	[8533, 8534]	9669	[8756, 8364]
451	[874, 875]	3524	[5512, 2376]	6597	[8535, 8536]	9670	[7169, 1039]
452	[876, 877]	3525	[2771, 5513]	6598	[431, 4126]	9671	[29, 3126]
453	[878, 879]	3526	[5514, 5515]	6599	[7200, 8537]	9672	[1410, 4106]
454	[880, 881]	3527	[7, 1964]	6600	[8538, 7181]	9673	[10199, 10690]
455	[882, 883]	3528	[5516, 5517]	6601	[7793, 8539]	9674	[4959, 10283]
456	[884, 885]	3529	[5518, 2278]	6602	[3495, 7417]	9675	[10691, 8629]
457	[886, 887]	3530	[2009, 5519]	6603	[1180, 8540]	9676	[1474, 10692]
458	[888, 889]	3531	[5520, 3046]	6604	[8541, 4469]	9677	[10693, 4551]
459	[890, 891]	3532	[5521, 5522]	6605	[8542, 4762]	9678	[8389, 10408]
460	[892, 893]	3533	[5523, 3051]	6606	[3987, 3776]	9679	[10403, 10694]
461	[894, 895]	3534	[5391, 5524]	6607	[4658, 3770]	9680	[10695, 4212]
462	[896, 897]	3535	[5525, 5526]	6608	[1079, 7349]	9681	[8461, 66]
463	[898, 899]	3536	[1984, 2685]	6609	[8543, 8155]	9682	[3699, 7910]
464	[900, 901]	3537	[5527, 5528]	6610	[4543, 7252]	9683	[7534, 10696]
465	[902, 903]	3538	[5529, 1861]	6611	[3915, 8544]	9684	[7361, 10697]
466	[904, 558]	3539	[5530, 5531]	6612	[8545, 3517]	9685	[10698, 1667]
467	[905, 906]	3540	[5532, 5533]	6613	[8491, 8546]	9686	[10699, 10640]
468	[907, 908]	3541	[5534, 5535]	6614	[8547, 7284]	9687	[10700, 1579]
469	[725, 909]	3542	[5536, 5065]	6615	[8548, 4292]	9688	[1243, 7366]
470	[910, 911]	3543	[5537, 5441]	6616	[4677, 7976]	9689	[3508, 10701]
471	[912, 913]	3544	[5538, 5539]	6617	[8549, 3336]	9690	[1265, 1621]
472	[914, 915]	3545	[5540, 2059]	6618	[4595, 3884]	9691	[7295, 10702]
473	[916, 917]	3546	[5541, 5542]	6619	[4316, 8550]	9692	[7710, 10233]

474	[918, 919]	3547	[5543, 808]	6620	[8551, 3574]	9693	[3443, 10703]
475	[920, 921]	3548	[2522, 5544]	6621	[8552, 4529]	9694	[7235, 10132]
476	[922, 923]	3549	[5545, 5240]	6622	[3683, 8553]	9695	[10704, 8748]
477	[892, 924]	3550	[5546, 5547]	6623	[8554, 1616]	9696	[7246, 10705]
478	[925, 926]	3551	[5548, 5549]	6624	[8454, 8555]	9697	[1247, 10706]
479	[927, 928]	3552	[2775, 5550]	6625	[410, 987]	9698	[10707, 3402]
480	[929, 930]	3553	[5551, 5552]	6626	[8556, 3411]	9699	[10708, 4045]
481	[931, 932]	3554	[2213, 5553]	6627	[8557, 8558]	9700	[1068, 10567]
482	[933, 934]	3555	[5554, 5555]	6628	[8559, 4563]	9701	[10709, 7228]
483	[935, 936]	3556	[5556, 5557]	6629	[8560, 4038]	9702	[311, 966]
484	[937, 938]	3557	[5558, 5559]	6630	[467, 8561]	9703	[10710, 4862]
485	[939, 940]	3558	[5560, 5561]	6631	[8562, 1675]	9704	[10711, 3698]
486	[941, 942]	3559	[5562, 2878]	6632	[3365, 8563]	9705	[10712, 7965]
487	[943, 944]	3560	[5563, 2728]	6633	[7559, 8564]	9706	[10572, 8419]
488	[945, 946]	3561	[5196, 5564]	6634	[8565, 3818]	9707	[8480, 7710]
489	[947, 948]	3562	[5565, 5566]	6635	[8566, 4416]	9708	[3172, 7423]
490	[949, 950]	3563	[5567, 5568]	6636	[7948, 7686]	9709	[1443, 7955]
491	[951, 952]	3564	[2877, 3087]	6637	[8567, 7125]	9710	[7979, 10713]
492	[953, 954]	3565	[5569, 5570]	6638	[8568, 8277]	9711	[8112, 3677]
493	[955, 956]	3566	[5571, 5572]	6639	[8569, 7545]	9712	[10714, 8360]
494	[957, 958]	3567	[5573, 2281]	6640	[8285, 8570]	9713	[1506, 10715]
495	[959, 960]	3568	[5574, 2438]	6641	[8571, 3929]	9714	[4681, 7143]
496	[961, 962]	3569	[5575, 5576]	6642	[8572, 8217]	9715	[995, 10716]
497	[963, 964]	3570	[2154, 5577]	6643	[8573, 8574]	9716	[10717, 3641]
498	[965, 966]	3571	[1826, 5578]	6644	[322, 6982]	9717	[10718, 4133]
499	[967, 968]	3572	[5579, 5580]	6645	[8575, 7809]	9718	[7355, 4028]
500	[969, 970]	3573	[3048, 5581]	6646	[7973, 4837]	9719	[10454, 10719]
501	[971, 972]	3574	[1986, 2694]	6647	[8470, 8576]	9720	[8689, 4142]
502	[973, 974]	3575	[5582, 5583]	6648	[110, 3168]	9721	[10720, 7522]
503	[975, 976]	3576	[5584, 5552]	6649	[7307, 8577]	9722	[10437, 10721]
504	[977, 978]	3577	[5585, 5130]	6650	[8578, 4024]	9723	[8465, 3306]
505	[979, 980]	3578	[170, 2103]	6651	[8579, 8004]	9724	[1488, 10400]
506	[981, 982]	3579	[5586, 5587]	6652	[260, 8518]	9725	[10722, 7727]
507	[983, 984]	3580	[5588, 5200]	6653	[8580, 1144]	9726	[4219, 258]
508	[985, 986]	3581	[5589, 5590]	6654	[8581, 6545]	9727	[4699, 10723]
509	[987, 988]	3582	[1924, 5289]	6655	[8582, 8583]	9728	[7718, 8685]
510	[989, 990]	3583	[5591, 5592]	6656	[8584, 990]	9729	[4198, 10541]
511	[991, 992]	3584	[3019, 2241]	6657	[1298, 8585]	9730	[10724, 8502]
512	[993, 994]	3585	[5593, 2407]	6658	[3384, 8586]	9731	[7548, 3642]
513	[995, 996]	3586	[3102, 5594]	6659	[8587, 8588]	9732	[8521, 1752]
514	[997, 998]	3587	[5595, 5596]	6660	[8589, 8590]	9733	[10725, 4868]
515	[999, 1000]	3588	[5597, 2160]	6661	[7315, 8591]	9734	[7761, 8634]
516	[1001, 1002]	3589	[5598, 5599]	6662	[8592, 1465]	9735	[10726, 3489]
517	[1003, 1004]	3590	[5600, 5601]	6663	[3785, 8181]	9736	[1321, 10727]

518	[1005, 1006]	3591	[5602, 5159]	6664	[8255, 3674]	9737	[4008, 10728]
519	[1007, 1008]	3592	[5603, 5604]	6665	[8593, 8536]	9738	[7711, 10729]
520	[1009, 1010]	3593	[3062, 5605]	6666	[8280, 8594]	9739	[8428, 4775]
521	[1011, 1012]	3594	[5606, 5607]	6667	[7414, 1338]	9740	[7364, 10730]
522	[1013, 1014]	3595	[2095, 5608]	6668	[4316, 8595]	9741	[10731, 4814]
523	[1015, 1016]	3596	[5609, 1961]	6669	[1390, 1490]	9742	[4662, 10732]
524	[1017, 1018]	3597	[2718, 5610]	6670	[8596, 3976]	9743	[10733, 10229]
525	[1019, 1020]	3598	[5611, 5612]	6671	[8597, 4040]	9744	[8635, 10734]
526	[1021, 1022]	3599	[5613, 5614]	6672	[1056, 4242]	9745	[3410, 10735]
527	[1023, 1024]	3600	[5615, 5616]	6673	[7152, 4326]	9746	[10736, 10280]
528	[1025, 1026]	3601	[5037, 2761]	6674	[7890, 8219]	9747	[4141, 8586]
529	[1027, 1028]	3602	[5617, 3028]	6675	[8251, 8598]	9748	[4353, 4260]
530	[1029, 1030]	3603	[2194, 5618]	6676	[3603, 8599]	9749	[4924, 7445]
531	[1031, 1032]	3604	[5619, 5620]	6677	[8600, 8274]	9750	[10737, 1655]
532	[1033, 1034]	3605	[2130, 5621]	6678	[8601, 3123]	9751	[10738, 7006]
533	[1035, 1036]	3606	[5622, 2734]	6679	[3691, 4890]	9752	[3358, 10739]
534	[1037, 1038]	3607	[5623, 2176]	6680	[4346, 8602]	9753	[3588, 8107]
535	[1039, 1040]	3608	[5624, 5625]	6681	[8603, 3514]	9754	[3636, 10577]
536	[1041, 1042]	3609	[5626, 5566]	6682	[3707, 8604]	9755	[8372, 10740]
537	[1043, 1044]	3610	[5627, 5628]	6683	[1659, 7034]	9756	[1003, 4096]
538	[1045, 1046]	3611	[5629, 5630]	6684	[3468, 8605]	9757	[4060, 4824]
539	[1047, 1048]	3612	[2587, 5631]	6685	[7309, 4021]	9758	[4056, 10741]
540	[1049, 1050]	3613	[5632, 5424]	6686	[8606, 1038]	9759	[10742, 3701]
541	[1051, 1052]	3614	[2095, 5633]	6687	[8031, 1286]	9760	[7396, 3506]
542	[1053, 1054]	3615	[5634, 2859]	6688	[8607, 1605]	9761	[10743, 10744]
543	[1055, 1056]	3616	[5635, 5636]	6689	[8608, 1729]	9762	[10745, 3167]
544	[1057, 1058]	3617	[5637, 5638]	6690	[7593, 8609]	9763	[6978, 3282]
545	[1059, 1060]	3618	[5639, 5640]	6691	[8610, 8611]	9764	[3283, 1322]
546	[1061, 1062]	3619	[5641, 5642]	6692	[8612, 3983]	9765	[10204, 3658]
547	[1063, 1064]	3620	[5643, 5644]	6693	[8613, 1562]	9766	[10746, 3407]
548	[1065, 1066]	3621	[660, 860]	6694	[4495, 8614]	9767	[10747, 8103]
549	[1067, 1068]	3622	[794, 2729]	6695	[4410, 8316]	9768	[10748, 7779]
550	[1069, 1070]	3623	[5645, 2024]	6696	[8615, 8616]	9769	[10749, 4989]
551	[1071, 1072]	3624	[5646, 5647]	6697	[7604, 8504]	9770	[10750, 1628]
552	[1073, 1074]	3625	[3045, 5648]	6698	[1508, 8617]	9771	[10751, 1777]
553	[1075, 1076]	3626	[1993, 5649]	6699	[8618, 288]	9772	[10752, 1034]
554	[1077, 1078]	3627	[661, 861]	6700	[7824, 4941]	9773	[3201, 10753]
555	[1079, 1080]	3628	[5650, 5651]	6701	[8619, 8227]	9774	[10315, 1766]
556	[1081, 1082]	3629	[5652, 2128]	6702	[7067, 4472]	9775	[10577, 10231]
557	[1083, 1084]	3630	[5653, 5654]	6703	[8620, 4631]	9776	[10754, 83]
558	[1085, 1086]	3631	[5494, 2282]	6704	[8621, 395]	9777	[8004, 10142]
559	[1087, 94]	3632	[5655, 5656]	6705	[8622, 8623]	9778	[3620, 3945]
560	[1088, 1089]	3633	[5657, 2596]	6706	[6992, 483]	9779	[4888, 10477]
561	[1090, 1091]	3634	[5658, 5659]	6707	[8624, 4323]	9780	[3780, 7341]

562	[1092, 1093]	3635	[5660, 5661]	6708	[122, 8280]	9781	[10755, 1591]
563	[1094, 1095]	3636	[5662, 5064]	6709	[8625, 309]	9782	[3782, 3662]
564	[1096, 1097]	3637	[5663, 5066]	6710	[3219, 8626]	9783	[8612, 3959]
565	[1098, 1099]	3638	[5293, 5664]	6711	[4002, 8627]	9784	[8302, 1246]
566	[1100, 1101]	3639	[5665, 5666]	6712	[8628, 1155]	9785	[1037, 10756]
567	[1102, 1103]	3640	[2636, 5667]	6713	[7552, 8629]	9786	[10757, 4940]
568	[1104, 1105]	3641	[512, 5531]	6714	[1072, 8630]	9787	[1271, 10758]
569	[1106, 1107]	3642	[5668, 5617]	6715	[7518, 8219]	9788	[10759, 103]
570	[1108, 386]	3643	[2077, 5669]	6716	[1255, 8631]	9789	[7921, 10760]
571	[1109, 1110]	3644	[5670, 5555]	6717	[8047, 8632]	9790	[10761, 3214]
572	[1111, 1112]	3645	[1795, 5671]	6718	[8633, 8609]	9791	[10762, 8262]
573	[1113, 955]	3646	[588, 5672]	6719	[4291, 8472]	9792	[7587, 3480]
574	[1114, 1011]	3647	[5204, 3038]	6720	[8634, 8382]	9793	[1033, 7596]
575	[1115, 1116]	3648	[5673, 5674]	6721	[8491, 7377]	9794	[7131, 105]
576	[1117, 1118]	3649	[5675, 748]	6722	[1007, 7459]	9795	[4449, 10763]
577	[1119, 1120]	3650	[5676, 2901]	6723	[8635, 4275]	9796	[7198, 1715]
578	[1121, 1122]	3651	[5222, 5315]	6724	[8636, 8637]	9797	[10197, 10406]
579	[1123, 1124]	3652	[5677, 5045]	6725	[4659, 3386]	9798	[6977, 3281]
580	[1125, 1126]	3653	[5678, 5679]	6726	[8638, 4820]	9799	[1594, 3443]
581	[1127, 1128]	3654	[5680, 5681]	6727	[6545, 8581]	9800	[10764, 3879]
582	[1129, 1130]	3655	[5682, 5683]	6728	[8639, 4295]	9801	[7521, 3897]
583	[1131, 1132]	3656	[2694, 5684]	6729	[4637, 3413]	9802	[7204, 4062]
584	[1133, 1134]	3657	[682, 5024]	6730	[1462, 475]	9803	[8601, 445]
585	[1135, 1136]	3658	[1842, 5685]	6731	[3637, 3178]	9804	[466, 283]
586	[1137, 1138]	3659	[681, 5686]	6732	[89, 8640]	9805	[4084, 10480]
587	[1139, 1140]	3660	[2471, 5687]	6733	[8641, 7741]	9806	[4321, 4464]
588	[1141, 450]	3661	[5688, 5224]	6734	[8642, 3610]	9807	[3545, 10603]
589	[1142, 1143]	3662	[5689, 5690]	6735	[8643, 3644]	9808	[7451, 8215]
590	[1144, 1145]	3663	[2517, 5691]	6736	[1103, 4743]	9809	[1102, 1710]
591	[1146, 1147]	3664	[5692, 5693]	6737	[8644, 3231]	9810	[3901, 10765]
592	[1148, 101]	3665	[2007, 5694]	6738	[8645, 8646]	9811	[3816, 10766]
593	[1149, 1150]	3666	[2029, 5320]	6739	[3327, 7009]	9812	[4246, 370]
594	[1151, 1152]	3667	[2322, 5666]	6740	[4055, 8647]	9813	[10767, 10768]
595	[1153, 1154]	3668	[5695, 3075]	6741	[1785, 4175]	9814	[1501, 3731]
596	[1155, 1156]	3669	[496, 5696]	6742	[4604, 7177]	9815	[3406, 10769]
597	[1157, 1158]	3670	[5495, 2283]	6743	[8381, 4514]	9816	[8191, 428]
598	[1159, 1160]	3671	[5697, 5698]	6744	[3855, 8648]	9817	[10770, 1590]
599	[1161, 374]	3672	[5699, 5700]	6745	[8649, 7411]	9818	[4243, 7580]
600	[1162, 1163]	3673	[5701, 5702]	6746	[8650, 8218]	9819	[10771, 10350]
601	[1164, 1165]	3674	[5703, 5704]	6747	[335, 7188]	9820	[10772, 3637]
602	[1166, 1167]	3675	[5705, 5706]	6748	[8651, 1198]	9821	[8501, 7150]
603	[1168, 1169]	3676	[5707, 5708]	6749	[4097, 1615]	9822	[3621, 443]
604	[1170, 1171]	3677	[5709, 5710]	6750	[3789, 8652]	9823	[1181, 10773]
605	[1172, 1173]	3678	[5388, 5711]	6751	[8653, 970]	9824	[10534, 10774]

606	[1174, 1175]	3679	[2636, 184]	6752	[7673, 3272]	9825	[7757, 4018]
607	[1176, 1177]	3680	[5712, 5713]	6753	[8654, 252]	9826	[3307, 10775]
608	[1178, 1179]	3681	[5714, 5715]	6754	[8087, 7168]	9827	[4171, 10776]
609	[1180, 1181]	3682	[2796, 2202]	6755	[7698, 1580]	9828	[8364, 3256]
610	[1182, 1183]	3683	[2816, 5716]	6756	[8655, 8656]	9829	[10777, 7980]
611	[1184, 1185]	3684	[2164, 5161]	6757	[7278, 8657]	9830	[10778, 7730]
612	[1186, 1187]	3685	[620, 5135]	6758	[7837, 4446]	9831	[10779, 3486]
613	[1188, 1189]	3686	[2779, 5717]	6759	[8658, 8659]	9832	[10780, 10516]
614	[1190, 1191]	3687	[5718, 5719]	6760	[257, 8660]	9833	[3763, 8197]
615	[1192, 1193]	3688	[2617, 5615]	6761	[8661, 3193]	9834	[7911, 10781]
616	[1194, 1195]	3689	[39, 5720]	6762	[477, 7779]	9835	[10782, 8070]
617	[1196, 1197]	3690	[5721, 5722]	6763	[8038, 1289]	9836	[468, 3418]
618	[1198, 1018]	3691	[1805, 5723]	6764	[8662, 8048]	9837	[471, 10783]
619	[1199, 1200]	3692	[5724, 2895]	6765	[8663, 290]	9838	[7244, 8329]
620	[1201, 1202]	3693	[1940, 5725]	6766	[8292, 8664]	9839	[8003, 10141]
621	[1203, 1204]	3694	[923, 5726]	6767	[3959, 3984]	9840	[3386, 8352]
622	[1205, 1206]	3695	[2732, 5727]	6768	[1300, 4241]	9841	[10654, 1489]
623	[1207, 1208]	3696	[171, 5728]	6769	[8546, 314]	9842	[10784, 4168]
624	[1209, 1210]	3697	[5729, 689]	6770	[8665, 4005]	9843	[10467, 1055]
625	[1211, 1212]	3698	[5730, 2689]	6771	[8666, 8667]	9844	[3135, 1638]
626	[1213, 994]	3699	[5731, 5732]	6772	[1570, 8668]	9845	[10210, 8571]
627	[1214, 1215]	3700	[722, 2992]	6773	[8669, 3285]	9846	[10785, 1013]
628	[1216, 1217]	3701	[5438, 5733]	6774	[1335, 4029]	9847	[3524, 8170]
629	[1218, 1219]	3702	[5734, 5735]	6775	[8670, 8671]	9848	[982, 3769]
630	[1220, 1221]	3703	[5736, 5737]	6776	[7094, 4513]	9849	[10786, 1361]
631	[1222, 1223]	3704	[5738, 2652]	6777	[8672, 7258]	9850	[3552, 10787]
632	[1224, 1225]	3705	[3043, 5739]	6778	[4547, 1182]	9851	[8557, 4940]
633	[1226, 1227]	3706	[5740, 1905]	6779	[8673, 8674]	9852	[7096, 4558]
634	[1228, 1229]	3707	[2349, 5741]	6780	[336, 7867]	9853	[8797, 4105]
635	[1230, 1231]	3708	[5742, 5743]	6781	[3169, 1713]	9854	[10788, 10789]
636	[1232, 955]	3709	[2484, 5744]	6782	[1276, 3187]	9855	[7886, 7640]
637	[1233, 1234]	3710	[5745, 5746]	6783	[8675, 342]	9856	[3930, 8706]
638	[1235, 1236]	3711	[5747, 5748]	6784	[8676, 8677]	9857	[10790, 7172]
639	[1237, 1238]	3712	[5749, 5750]	6785	[1510, 7595]	9858	[10791, 4478]
640	[1239, 1240]	3713	[2269, 1998]	6786	[8678, 4627]	9859	[10480, 4052]
641	[1241, 1242]	3714	[5751, 5752]	6787	[8679, 8148]	9860	[3153, 4728]
642	[1243, 1244]	3715	[5753, 2043]	6788	[8680, 3284]	9861	[7831, 10792]
643	[1245, 1246]	3716	[5754, 5755]	6789	[8681, 3755]	9862	[10793, 10614]
644	[1247, 1248]	3717	[5131, 5756]	6790	[8682, 4259]	9863	[1518, 10794]
645	[1249, 1250]	3718	[2653, 5757]	6791	[63, 1108]	9864	[8642, 7356]
646	[1251, 1252]	3719	[1851, 908]	6792	[8683, 8108]	9865	[7268, 10795]
647	[1253, 1254]	3720	[1839, 5758]	6793	[8234, 7244]	9866	[10796, 10797]
648	[1255, 1256]	3721	[2902, 5421]	6794	[8684, 7762]	9867	[10798, 7592]
649	[1257, 1258]	3722	[2039, 5759]	6795	[8524, 8685]	9868	[10799, 369]

650	[1259, 467]	3723	[2608, 1957]	6796	[3422, 7797]	9869	[3904, 10800]
651	[1260, 1261]	3724	[5760, 2848]	6797	[1524, 7434]	9870	[7975, 8357]
652	[1262, 1263]	3725	[1895, 5761]	6798	[8219, 8686]	9871	[3569, 10801]
653	[1264, 1265]	3726	[5762, 5763]	6799	[3332, 8687]	9872	[7940, 83]
654	[1266, 1267]	3727	[5764, 5765]	6800	[458, 3891]	9873	[4201, 10802]
655	[1268, 1269]	3728	[3011, 5766]	6801	[8688, 8689]	9874	[10159, 10803]
656	[1270, 1271]	3729	[5767, 245]	6802	[8690, 8691]	9875	[3899, 1540]
657	[1272, 1273]	3730	[2256, 5768]	6803	[1564, 8692]	9876	[10804, 4928]
658	[1274, 1275]	3731	[2715, 817]	6804	[7211, 8305]	9877	[10805, 10196]
659	[492, 415]	3732	[5466, 5769]	6805	[4767, 8693]	9878	[10788, 10482]
660	[1276, 1277]	3733	[5770, 5771]	6806	[8694, 8477]	9879	[4716, 7661]
661	[1278, 1279]	3734	[2863, 5772]	6807	[7839, 8695]	9880	[8084, 3905]
662	[316, 1280]	3735	[5773, 5774]	6808	[1666, 8696]	9881	[10806, 4918]
663	[1281, 1282]	3736	[5775, 5776]	6809	[8697, 3762]	9882	[8766, 4135]
664	[1283, 1284]	3737	[2999, 5777]	6810	[1171, 4346]	9883	[7007, 10807]
665	[1285, 1286]	3738	[5778, 5779]	6811	[1362, 3954]	9884	[4819, 8380]
666	[1287, 1288]	3739	[5780, 1963]	6812	[7947, 4180]	9885	[4363, 1350]
667	[1289, 1290]	3740	[5710, 5781]	6813	[8596, 8698]	9886	[7218, 10797]
668	[1291, 1292]	3741	[1919, 5782]	6814	[8699, 7629]	9887	[7967, 4327]
669	[1293, 1294]	3742	[2301, 1918]	6815	[8010, 4552]	9888	[10808, 1068]
670	[1295, 1296]	3743	[5084, 5783]	6816	[4982, 1320]	9889	[10809, 3790]
671	[435, 1297]	3744	[5784, 5785]	6817	[8700, 8701]	9890	[7729, 10810]
672	[1298, 1299]	3745	[5786, 5787]	6818	[8658, 1693]	9891	[4165, 1528]
673	[1300, 1056]	3746	[5170, 5788]	6819	[8320, 8702]	9892	[1631, 7186]
674	[1301, 1302]	3747	[5789, 5726]	6820	[8703, 3791]	9893	[10811, 8718]
675	[1303, 1304]	3748	[5790, 5791]	6821	[8704, 8034]	9894	[3919, 10812]
676	[1305, 1306]	3749	[5792, 5374]	6822	[7746, 4485]	9895	[1697, 1023]
677	[1307, 1308]	3750	[5793, 500]	6823	[8705, 8706]	9896	[3720, 348]
678	[475, 1309]	3751	[5794, 2211]	6824	[8707, 7890]	9897	[10813, 3145]
679	[1310, 1311]	3752	[5795, 5796]	6825	[8708, 8709]	9898	[4137, 8733]
680	[1312, 1313]	3753	[5457, 721]	6826	[8710, 8149]	9899	[10814, 8555]
681	[1314, 1315]	3754	[5797, 2671]	6827	[7466, 8323]	9900	[4310, 10770]
682	[1316, 1317]	3755	[5798, 2133]	6828	[7117, 8711]	9901	[7069, 3389]
683	[1318, 1319]	3756	[5799, 5800]	6829	[7754, 8712]	9902	[10815, 347]
684	[1320, 1321]	3757	[5801, 933]	6830	[7485, 8713]	9903	[8000, 10816]
685	[1322, 1323]	3758	[5802, 5803]	6831	[8714, 8171]	9904	[4701, 1125]
686	[1324, 1325]	3759	[5804, 625]	6832	[8359, 8715]	9905	[1584, 4786]
687	[1326, 1327]	3760	[5805, 5553]	6833	[8716, 7909]	9906	[4958, 3421]
688	[1328, 1329]	3761	[5806, 2099]	6834	[8101, 8717]	9907	[309, 4701]
689	[1330, 1331]	3762	[5807, 1901]	6835	[3538, 8718]	9908	[10817, 7249]
690	[1332, 1333]	3763	[5141, 5808]	6836	[8719, 1217]	9909	[7431, 10818]
691	[1334, 1335]	3764	[5809, 5810]	6837	[8720, 3730]	9910	[8439, 4193]
692	[1336, 1337]	3765	[2970, 1832]	6838	[4306, 8721]	9911	[3993, 10819]
693	[1338, 1339]	3766	[5811, 5812]	6839	[8484, 7689]	9912	[10820, 4356]

694	[1340, 1341]	3767	[5274, 5364]	6840	[8722, 1645]	9913	[8673, 10821]
695	[1342, 1343]	3768	[866, 5813]	6841	[8723, 1555]	9914	[8593, 10822]
696	[1344, 1345]	3769	[1840, 5814]	6842	[7157, 4297]	9915	[10823, 1459]
697	[1346, 1148]	3770	[5815, 5074]	6843	[3127, 3378]	9916	[8268, 4023]
698	[1347, 1348]	3771	[5816, 2913]	6844	[8724, 7020]	9917	[3361, 10824]
699	[1349, 1350]	3772	[5400, 5817]	6845	[8725, 7291]	9918	[7930, 7182]
700	[1351, 1352]	3773	[5818, 717]	6846	[8726, 4393]	9919	[3859, 4788]
701	[1353, 295]	3774	[2527, 5819]	6847	[8246, 8580]	9920	[10825, 3633]
702	[1354, 1355]	3775	[5291, 2688]	6848	[7524, 3695]	9921	[4951, 8716]
703	[1356, 319]	3776	[5258, 2556]	6849	[8727, 1497]	9922	[7539, 3175]
704	[86, 1357]	3777	[5820, 13]	6850	[8728, 7600]	9923	[1715, 8399]
705	[1358, 1359]	3778	[5165, 5821]	6851	[8729, 1025]	9924	[10826, 8590]
706	[1360, 1361]	3779	[628, 2595]	6852	[1704, 8730]	9925	[10306, 4107]
707	[1362, 1363]	3780	[1836, 5822]	6853	[3403, 8597]	9926	[3601, 3344]
708	[1364, 1365]	3781	[2305, 5785]	6854	[1676, 8731]	9927	[10827, 1656]
709	[1366, 1367]	3782	[5275, 5271]	6855	[8732, 8733]	9928	[8143, 8511]
710	[1368, 1369]	3783	[627, 2594]	6856	[1458, 8734]	9929	[4371, 10828]
711	[1370, 1371]	3784	[5823, 5824]	6857	[7477, 4696]	9930	[10829, 1694]
712	[1372, 1373]	3785	[2925, 2883]	6858	[8444, 8735]	9931	[1051, 10830]
713	[1374, 1375]	3786	[5376, 5825]	6859	[448, 8736]	9932	[10831, 445]
714	[1376, 1377]	3787	[2165, 2831]	6860	[3697, 8244]	9933	[3619, 10625]
715	[1378, 1379]	3788	[5826, 5216]	6861	[8421, 8737]	9934	[10832, 8001]
716	[1380, 1381]	3789	[5827, 5828]	6862	[7462, 3191]	9935	[8166, 10171]
717	[1382, 1383]	3790	[2033, 5281]	6863	[8703, 7669]	9936	[4497, 8693]
718	[1384, 1385]	3791	[5829, 5570]	6864	[8738, 4076]	9937	[7237, 10833]
719	[1386, 1387]	3792	[5830, 744]	6865	[8739, 4104]	9938	[10834, 10835]
720	[1388, 1389]	3793	[5831, 5832]	6866	[8740, 3412]	9939	[7520, 3854]
721	[1390, 1391]	3794	[5087, 2318]	6867	[3976, 8741]	9940	[10836, 7846]
722	[1392, 1393]	3795	[5833, 5834]	6868	[1477, 7606]	9941	[10837, 373]
723	[1394, 1395]	3796	[2965, 2184]	6869	[3967, 3541]	9942	[4046, 10838]
724	[1396, 1397]	3797	[5835, 2418]	6870	[8433, 8742]	9943	[10839, 4772]
725	[1398, 1399]	3798	[5836, 5635]	6871	[8743, 4911]	9944	[73, 3299]
726	[1400, 1401]	3799	[5837, 5838]	6872	[8134, 4935]	9945	[1685, 10840]
727	[1402, 1267]	3800	[2782, 5839]	6873	[1620, 8744]	9946	[7430, 8782]
728	[1403, 1404]	3801	[5840, 5841]	6874	[4040, 8745]	9947	[10441, 402]
729	[1405, 1406]	3802	[5842, 61]	6875	[4796, 8746]	9948	[1760, 3830]
730	[1407, 1408]	3803	[5843, 53]	6876	[7054, 4853]	9949	[10236, 10841]
731	[1409, 1410]	3804	[5844, 5845]	6877	[4844, 8747]	9950	[10842, 7997]
732	[1411, 1412]	3805	[5846, 191]	6878	[7509, 1766]	9951	[7893, 91]
733	[1413, 1414]	3806	[5847, 5114]	6879	[7135, 8748]	9952	[8383, 1625]
734	[1415, 1416]	3807	[5848, 5849]	6880	[4708, 1403]	9953	[3646, 4043]
735	[1417, 1418]	3808	[5850, 5851]	6881	[1260, 4652]	9954	[10843, 1599]
736	[1419, 1420]	3809	[5852, 5853]	6882	[8749, 1691]	9955	[1633, 7980]
737	[480, 1421]	3810	[5854, 2747]	6883	[8750, 7562]	9956	[4114, 7419]

738	[1422, 1423]	3811	[5855, 5856]	6884	[4104, 7810]	9957	[4899, 10844]
739	[1424, 1425]	3812	[5857, 5858]	6885	[3423, 8751]	9958	[10845, 7544]
740	[1426, 1427]	3813	[2977, 5859]	6886	[8752, 7582]	9959	[3811, 10846]
741	[1428, 1429]	3814	[5531, 949]	6887	[8753, 3616]	9960	[10847, 8691]
742	[1430, 482]	3815	[5860, 5861]	6888	[8754, 123]	9961	[3583, 10848]
743	[1431, 1432]	3816	[1903, 5862]	6889	[3798, 8755]	9962	[10849, 8404]
744	[1433, 323]	3817	[685, 5066]	6890	[1625, 7370]	9963	[3935, 7915]
745	[387, 1434]	3818	[5863, 5864]	6891	[7371, 8411]	9964	[10850, 8213]
746	[1435, 1436]	3819	[5865, 2606]	6892	[4935, 3821]	9965	[400, 7941]
747	[1437, 1438]	3820	[5866, 5867]	6893	[7223, 3475]	9966	[10851, 1091]
748	[1439, 1440]	3821	[5868, 636]	6894	[7841, 8756]	9967	[1340, 7544]
749	[1441, 1442]	3822	[5701, 5869]	6895	[8757, 8758]	9968	[3814, 10503]
750	[1443, 1214]	3823	[5745, 5282]	6896	[8759, 3928]	9969	[4613, 10852]
751	[1444, 1445]	3824	[5870, 5871]	6897	[7288, 4114]	9970	[4484, 10853]
752	[1446, 1447]	3825	[2267, 5872]	6898	[8760, 1552]	9971	[10854, 7489]
753	[119, 1448]	3826	[5873, 2295]	6899	[7144, 8761]	9972	[1002, 3507]
754	[1449, 1450]	3827	[5874, 5875]	6900	[8762, 4900]	9973	[10855, 390]
755	[1451, 1452]	3828	[5876, 5877]	6901	[3712, 1386]	9974	[10856, 8118]
756	[1453, 1454]	3829	[5878, 5879]	6902	[7192, 3962]	9975	[10857, 8500]
757	[1455, 1145]	3830	[2660, 587]	6903	[8763, 8583]	9976	[10858, 1120]
758	[1456, 1457]	3831	[2881, 5480]	6904	[8764, 8765]	9977	[4404, 10859]
759	[1458, 1459]	3832	[5880, 5115]	6905	[4639, 4595]	9978	[10833, 10860]
760	[1391, 1460]	3833	[5881, 2071]	6906	[8766, 469]	9979	[10861, 1531]
761	[1461, 1413]	3834	[5882, 5883]	6907	[7678, 4422]	9980	[10862, 984]
762	[1462, 1463]	3835	[2243, 5594]	6908	[8164, 7658]	9981	[10863, 3375]
763	[1464, 1465]	3836	[2245, 5884]	6909	[3403, 7545]	9982	[1455, 10864]
764	[1466, 1467]	3837	[5885, 5611]	6910	[8767, 1201]	9983	[10699, 8333]
765	[1468, 1007]	3838	[5886, 5887]	6911	[8768, 7503]	9984	[10865, 7615]
766	[1469, 1470]	3839	[2529, 2223]	6912	[8615, 8769]	9985	[10866, 10272]
767	[1394, 1471]	3840	[3016, 1905]	6913	[8738, 8770]	9986	[10867, 1739]
768	[1472, 1473]	3841	[5797, 2221]	6914	[8771, 4095]	9987	[7773, 7635]
769	[1474, 1475]	3842	[3044, 5888]	6915	[8772, 1366]	9988	[7426, 1133]
770	[1126, 1476]	3843	[2779, 5889]	6916	[8773, 1197]	9989	[10625, 4903]
771	[1477, 1478]	3844	[5890, 5891]	6917	[7041, 8774]	9990	[10868, 119]
772	[1479, 1480]	3845	[5892, 5893]	6918	[8775, 8776]	9991	[8545, 10869]
773	[1481, 1482]	3846	[5894, 5895]	6919	[8777, 3735]	9992	[10503, 490]
774	[1010, 1483]	3847	[5896, 5393]	6920	[3514, 1266]	9993	[8353, 10870]
775	[1484, 1485]	3848	[5897, 5898]	6921	[8778, 7115]	9994	[10586, 10871]
776	[1486, 1487]	3849	[5899, 5169]	6922	[8779, 7864]	9995	[10372, 10777]
777	[1488, 1489]	3850	[625, 5900]	6923	[7833, 8780]	9996	[8394, 4195]
778	[1490, 1460]	3851	[5448, 5901]	6924	[8781, 4731]	9997	[4639, 4146]
779	[1491, 65]	3852	[2606, 5902]	6925	[8782, 1049]	9998	[7821, 10346]
780	[1492, 1493]	3853	[838, 5903]	6926	[3990, 8783]	9999	[10838, 995]
781	[1494, 1495]	3854	[5904, 554]	6927	[8784, 8207]	10000	[4100, 10872]

782	[1496, 1497]	3855	[5905, 5906]	6928	[8785, 1071]	10001	[4093, 7306]
783	[1498, 1499]	3856	[5907, 5198]	6929	[8786, 8673]	10002	[4467, 10873]
784	[1500, 1501]	3857	[2877, 5139]	6930	[8787, 4226]	10003	[8573, 10874]
785	[1502, 1503]	3858	[5908, 5909]	6931	[4804, 8788]	10004	[10875, 8498]
786	[1504, 1505]	3859	[5910, 5911]	6932	[8789, 7128]	10005	[10876, 4078]
787	[1506, 1507]	3860	[5912, 5913]	6933	[3716, 8790]	10006	[1096, 10860]
788	[1508, 1509]	3861	[5914, 5915]	6934	[8791, 4681]	10007	[10677, 7933]
789	[357, 1510]	3862	[5916, 2743]	6935	[8279, 1384]	10008	[1332, 7690]
790	[359, 1511]	3863	[2846, 51]	6936	[7160, 8077]	10009	[10877, 1303]
791	[965, 1512]	3864	[5917, 49]	6937	[4302, 8792]	10010	[7241, 10878]
792	[1513, 1514]	3865	[2261, 5918]	6938	[8793, 8210]	10011	[7106, 10879]
793	[1515, 1516]	3866	[5919, 2543]	6939	[8337, 1016]	10012	[8103, 7916]
794	[1517, 1518]	3867	[5920, 5921]	6940	[8794, 3961]	10013	[1543, 10880]
795	[1519, 1520]	3868	[5922, 5923]	6941	[3326, 7008]	10014	[7555, 3664]
796	[1521, 1522]	3869	[5924, 5925]	6942	[8795, 3449]	10015	[8716, 3699]
797	[1523, 1524]	3870	[5926, 5927]	6943	[7304, 8796]	10016	[1785, 1278]
798	[1525, 1526]	3871	[5928, 2553]	6944	[8739, 8797]	10017	[10881, 4744]
799	[1527, 1528]	3872	[5929, 2076]	6945	[8798, 8657]	10018	[7583, 10506]
800	[1529, 1510]	3873	[5000, 5930]	6946	[4518, 8799]	10019	[8707, 7518]
801	[105, 1431]	3874	[5931, 5932]	6947	[4856, 7640]	10020	[10309, 4475]
802	[1530, 1531]	3875	[5888, 5933]	6948	[8800, 4673]	10021	[10882, 8438]
803	[1532, 1533]	3876	[234, 5934]	6949	[1560, 1249]	10022	[7074, 10883]
804	[1534, 1535]	3877	[5935, 5936]	6950	[7442, 7734]	10023	[114, 1218]
805	[1536, 1537]	3878	[3107, 58]	6951	[8801, 1037]	10024	[10884, 7759]
806	[1538, 1539]	3879	[2666, 5937]	6952	[8430, 8802]	10025	[10885, 10557]
807	[1540, 1541]	3880	[2648, 5938]	6953	[1307, 7266]	10026	[3224, 4310]
808	[1542, 1543]	3881	[5939, 5940]	6954	[8803, 1499]	10027	[10886, 4724]
809	[1544, 1545]	3882	[2012, 3035]	6955	[4376, 3204]	10028	[1523, 7433]
810	[1546, 1547]	3883	[5941, 5942]	6956	[3964, 8424]	10029	[10887, 8086]
811	[1548, 1549]	3884	[2573, 2930]	6957	[1780, 8804]	10030	[10888, 3584]
812	[1550, 1551]	3885	[2865, 5943]	6958	[7822, 380]	10031	[10422, 10889]
813	[1552, 1553]	3886	[5944, 5945]	6959	[4368, 4088]	10032	[8533, 10890]
814	[1554, 1511]	3887	[2852, 5271]	6960	[1663, 7601]	10033	[4232, 10891]
815	[1555, 1556]	3888	[5946, 902]	6961	[1513, 8805]	10034	[403, 3826]
816	[1557, 1558]	3889	[1813, 5947]	6962	[8806, 4456]	10035	[1416, 1418]
817	[1559, 1560]	3890	[5227, 5213]	6963	[1223, 7927]	10036	[7900, 4968]
818	[1195, 97]	3891	[5948, 5949]	6964	[8807, 3327]	10037	[10892, 3539]
819	[74, 1561]	3892	[889, 2315]	6965	[1784, 8808]	10038	[10893, 3646]
820	[1562, 1563]	3893	[5950, 5951]	6966	[276, 1251]	10039	[3506, 7179]
821	[1564, 1565]	3894	[2644, 2584]	6967	[8809, 4419]	10040	[3929, 977]
822	[337, 1566]	3895	[5952, 914]	6968	[7337, 7038]	10041	[10894, 294]
823	[1567, 1568]	3896	[802, 743]	6969	[4853, 8810]	10042	[10895, 4441]
824	[1569, 1570]	3897	[5571, 5953]	6970	[8811, 8812]	10043	[4187, 3128]
825	[1571, 1572]	3898	[5954, 5496]	6971	[7608, 3878]	10044	[10743, 10896]

826	[1573, 1574]	3899	[5955, 2027]	6972	[8813, 3226]	10045	[8247, 1144]
827	[1575, 1576]	3900	[2403, 5956]	6973	[1027, 8814]	10046	[10897, 257]
828	[1577, 385]	3901	[2211, 1829]	6974	[3660, 3993]	10047	[10898, 3880]
829	[1142, 1578]	3902	[5957, 5958]	6975	[8815, 8140]	10048	[4851, 10899]
830	[1579, 1580]	3903	[2314, 2171]	6976	[6468, 5928]	10049	[10900, 1191]
831	[1159, 1544]	3904	[5795, 5959]	6977	[6256, 8816]	10050	[10901, 8646]
832	[1581, 1582]	3905	[5960, 1841]	6978	[2109, 2452]	10051	[4500, 4337]
833	[1583, 1584]	3906	[5961, 2989]	6979	[6529, 8817]	10052	[3772, 10902]
834	[1585, 1586]	3907	[5962, 5963]	6980	[243, 8818]	10053	[4211, 10903]
835	[1587, 1588]	3908	[5774, 5964]	6981	[8819, 698]	10054	[3644, 10519]
836	[1589, 1590]	3909	[5544, 5965]	6982	[8820, 1955]	10055	[3554, 10904]
837	[1591, 1592]	3910	[5966, 5967]	6983	[6413, 2803]	10056	[10905, 1620]
838	[1593, 1594]	3911	[5968, 2780]	6984	[696, 8821]	10057	[10906, 7889]
839	[1147, 1595]	3912	[5969, 5970]	6985	[6664, 1871]	10058	[10907, 4269]
840	[1596, 1597]	3913	[170, 822]	6986	[5029, 8822]	10059	[4881, 4063]
841	[1598, 1599]	3914	[5971, 5020]	6987	[8823, 8824]	10060	[1124, 18]
842	[1600, 1601]	3915	[5359, 169]	6988	[8825, 8826]	10061	[7123, 1776]
843	[1602, 1603]	3916	[2233, 5972]	6989	[8827, 8828]	10062	[7003, 996]
844	[1604, 1605]	3917	[5025, 218]	6990	[5880, 8829]	10063	[3956, 4565]
845	[282, 1606]	3918	[2496, 5973]	6991	[8830, 2237]	10064	[3250, 3525]
846	[1607, 1608]	3919	[5974, 5975]	6992	[6878, 937]	10065	[7166, 4648]
847	[1609, 1610]	3920	[5976, 5252]	6993	[8831, 6634]	10066	[10908, 7361]
848	[1611, 1394]	3921	[2587, 5977]	6994	[2997, 5527]	10067	[3842, 4735]
849	[1612, 1613]	3922	[5978, 5085]	6995	[8832, 6080]	10068	[7314, 3822]
850	[1614, 1615]	3923	[5979, 2704]	6996	[6957, 8833]	10069	[10909, 7572]
851	[1616, 1617]	3924	[5822, 2851]	6997	[8834, 8835]	10070	[10910, 3361]
852	[1618, 1619]	3925	[5785, 5980]	6998	[8836, 8837]	10071	[10911, 7185]
853	[1620, 1621]	3926	[5273, 5979]	6999	[3022, 5144]	10072	[7941, 10912]
854	[1622, 1623]	3927	[1836, 5978]	7000	[2218, 8838]	10073	[7829, 3388]
855	[1624, 1625]	3928	[3065, 2180]	7001	[5468, 708]	10074	[1716, 7389]
856	[1626, 1627]	3929	[2891, 1835]	7002	[706, 5360]	10075	[4356, 8078]
857	[1628, 1629]	3930	[5981, 5982]	7003	[8839, 6484]	10076	[4745, 4967]
858	[1630, 1631]	3931	[5983, 2855]	7004	[8840, 8841]	10077	[8542, 10913]
859	[1632, 1633]	3932	[5425, 2228]	7005	[6584, 8842]	10078	[4287, 10914]
860	[1634, 1635]	3933	[5984, 804]	7006	[8843, 6618]	10079	[3544, 3320]
861	[1277, 1636]	3934	[5985, 511]	7007	[2335, 8844]	10080	[1724, 4591]
862	[1637, 1638]	3935	[5538, 5309]	7008	[8845, 8846]	10081	[7918, 1103]
863	[1639, 1640]	3936	[5986, 5987]	7009	[584, 3112]	10082	[1207, 10915]
864	[1641, 1642]	3937	[2804, 5988]	7010	[8847, 8848]	10083	[4088, 8263]
865	[1448, 1643]	3938	[5989, 5990]	7011	[8849, 8850]	10084	[4399, 10916]
866	[1087, 1644]	3939	[1878, 5991]	7012	[8851, 2612]	10085	[4925, 489]
867	[1645, 1646]	3940	[205, 5203]	7013	[8852, 797]	10086	[4683, 961]
868	[1647, 1648]	3941	[5992, 5864]	7014	[637, 5009]	10087	[8505, 10917]
869	[1649, 1650]	3942	[1992, 5993]	7015	[8853, 2472]	10088	[123, 8281]

870	[1651, 1652]	3943	[5994, 5995]	7016	[8854, 238]	10089	[8259, 1269]
871	[1653, 399]	3944	[916, 513]	7017	[8855, 8856]	10090	[10918, 4438]
872	[1654, 1655]	3945	[1959, 5996]	7018	[8857, 8858]	10091	[7503, 7002]
873	[1656, 1657]	3946	[5997, 5998]	7019	[8859, 5648]	10092	[7549, 7276]
874	[1658, 1659]	3947	[5999, 906]	7020	[6011, 6739]	10093	[427, 10919]
875	[1660, 398]	3948	[6000, 2739]	7021	[5067, 8860]	10094	[10920, 1486]
876	[1661, 410]	3949	[5032, 6001]	7022	[8861, 2359]	10095	[10921, 7382]
877	[1638, 1292]	3950	[2592, 6002]	7023	[2666, 8862]	10096	[1750, 10922]
878	[1662, 1663]	3951	[6003, 865]	7024	[1913, 5367]	10097	[8346, 10923]
879	[1664, 1665]	3952	[2483, 6004]	7025	[5631, 6419]	10098	[10924, 1542]
880	[1666, 1667]	3953	[6005, 6006]	7026	[6665, 8863]	10099	[7743, 8072]
881	[1668, 65]	3954	[6007, 6008]	7027	[2472, 5135]	10100	[3377, 10925]
882	[1669, 1670]	3955	[2493, 3001]	7028	[6072, 8864]	10101	[10926, 3294]
883	[1671, 1672]	3956	[5500, 6009]	7029	[8865, 2378]	10102	[1335, 1536]
884	[281, 1673]	3957	[6010, 6011]	7030	[5456, 720]	10103	[10927, 4717]
885	[1674, 1675]	3958	[6012, 6013]	7031	[8866, 8867]	10104	[369, 10928]
886	[1676, 1677]	3959	[6014, 6015]	7032	[8868, 8869]	10105	[7173, 4]
887	[1678, 1679]	3960	[6016, 2699]	7033	[48, 2503]	10106	[7507, 4022]
888	[1680, 1681]	3961	[6017, 6018]	7034	[8870, 6752]	10107	[3476, 10929]
889	[1682, 1683]	3962	[6019, 6020]	7035	[506, 2558]	10108	[10930, 3150]
890	[1684, 1685]	3963	[2166, 2832]	7036	[2601, 6362]	10109	[7081, 10931]
891	[1686, 1657]	3964	[2194, 6021]	7037	[8871, 5036]	10110	[10165, 4621]
892	[256, 1687]	3965	[6022, 5792]	7038	[6605, 8872]	10111	[1320, 8039]
893	[1688, 1689]	3966	[2397, 6023]	7039	[8873, 6665]	10112	[10932, 1698]
894	[1690, 1691]	3967	[5662, 5536]	7040	[8874, 5757]	10113	[4098, 10933]
895	[1692, 1693]	3968	[6024, 6025]	7041	[6414, 8875]	10114	[4037, 8379]
896	[1694, 1451]	3969	[6026, 796]	7042	[6275, 53]	10115	[1010, 10934]
897	[1695, 1696]	3970	[6027, 6028]	7043	[8876, 5344]	10116	[10935, 4451]
898	[1697, 1698]	3971	[2918, 6029]	7044	[2942, 2608]	10117	[10381, 3363]
899	[1699, 1700]	3972	[5260, 2237]	7045	[5827, 8877]	10118	[4930, 4961]
900	[1448, 1701]	3973	[6030, 6031]	7046	[2785, 130]	10119	[28, 3347]
901	[1702, 1703]	3974	[6032, 6033]	7047	[5692, 2051]	10120	[328, 10936]
902	[1704, 315]	3975	[5953, 6034]	7048	[8878, 2346]	10121	[10937, 10938]
903	[1705, 1706]	3976	[6029, 6035]	7049	[5974, 8879]	10122	[10939, 3934]
904	[1707, 1087]	3977	[6036, 6037]	7050	[8880, 5504]	10123	[4975, 10940]
905	[1708, 1709]	3978	[6038, 6039]	7051	[5936, 5640]	10124	[3622, 444]
906	[1710, 1711]	3979	[2188, 6040]	7052	[6721, 5351]	10125	[1616, 10941]
907	[1712, 1713]	3980	[2627, 2590]	7053	[8881, 8882]	10126	[3781, 10942]
908	[1714, 1339]	3981	[2183, 6041]	7054	[8883, 6864]	10127	[3017, 10943]
909	[1715, 1716]	3982	[3001, 2884]	7055	[6346, 5449]	10128	[2659, 10944]
910	[1717, 1718]	3983	[1810, 6042]	7056	[2467, 8884]	10129	[161, 9878]
911	[1719, 1696]	3984	[6043, 2540]	7057	[8885, 5108]	10130	[5926, 10945]
912	[1720, 1721]	3985	[2668, 5324]	7058	[6218, 8860]	10131	[5790, 10946]
913	[1722, 957]	3986	[5736, 6044]	7059	[610, 8886]	10132	[10947, 5549]

914	[1723, 1724]	3987	[5424, 1944]	7060	[8887, 6144]	10133	[10948, 5018]
915	[1725, 1726]	3988	[2543, 6045]	7061	[620, 8888]	10134	[10121, 2038]
916	[1515, 997]	3989	[2889, 2535]	7062	[726, 8889]	10135	[6212, 9165]
917	[1727, 1728]	3990	[2892, 2300]	7063	[5262, 8890]	10136	[2794, 10949]
918	[1729, 1730]	3991	[6046, 213]	7064	[6364, 5561]	10137	[6829, 3047]
919	[1731, 1732]	3992	[6047, 5520]	7065	[5409, 2770]	10138	[9257, 2684]
920	[1733, 1734]	3993	[6048, 942]	7066	[2424, 6749]	10139	[10950, 5463]
921	[1735, 1736]	3994	[6049, 2196]	7067	[6721, 6417]	10140	[5969, 9779]
922	[1737, 1738]	3995	[5917, 6050]	7068	[8891, 1799]	10141	[6716, 9940]
923	[1739, 1740]	3996	[5972, 6051]	7069	[5086, 2317]	10142	[9989, 3009]
924	[1741, 1742]	3997	[2369, 6052]	7070	[6724, 1937]	10143	[10951, 766]
925	[1743, 1744]	3998	[2738, 2551]	7071	[1990, 6523]	10144	[9742, 10952]
926	[1745, 1746]	3999	[5247, 5342]	7072	[8892, 2491]	10145	[10953, 6895]
927	[1747, 1748]	4000	[2344, 6053]	7073	[936, 4994]	10146	[2624, 10954]
928	[1749, 1563]	4001	[6054, 6055]	7074	[2489, 1896]	10147	[4995, 10955]
929	[1750, 1751]	4002	[6056, 2723]	7075	[917, 514]	10148	[6477, 2225]
930	[1752, 1753]	4003	[6057, 901]	7076	[2119, 8893]	10149	[10956, 6757]
931	[1754, 1755]	4004	[670, 6058]	7077	[8894, 6837]	10150	[10957, 5959]
932	[1756, 1757]	4005	[6059, 5577]	7078	[2153, 6059]	10151	[10958, 5073]
933	[1713, 1758]	4006	[5123, 6060]	7079	[8895, 843]	10152	[10959, 6881]
934	[1759, 1568]	4007	[6061, 6062]	7080	[8896, 8897]	10153	[10960, 2149]
935	[1760, 1761]	4008	[6063, 6064]	7081	[2108, 2451]	10154	[8998, 5455]
936	[1762, 1763]	4009	[6065, 2710]	7082	[648, 1803]	10155	[10961, 10037]
937	[1764, 1765]	4010	[2177, 6066]	7083	[6650, 8898]	10156	[1808, 10962]
938	[1766, 357]	4011	[4992, 6067]	7084	[5155, 8899]	10157	[193, 10963]
939	[1767, 1768]	4012	[6068, 2488]	7085	[5961, 5180]	10158	[5492, 10964]
940	[1769, 1770]	4013	[6069, 5584]	7086	[5980, 2704]	10159	[6238, 10965]
941	[1771, 1772]	4014	[6070, 3072]	7087	[2303, 8900]	10160	[6679, 6202]
942	[1773, 1774]	4015	[6033, 5887]	7088	[8901, 2822]	10161	[2558, 9848]
943	[1626, 1775]	4016	[6071, 1797]	7089	[5328, 1815]	10162	[10966, 2857]
944	[392, 1776]	4017	[6072, 6073]	7090	[8902, 8903]	10163	[5011, 10967]
945	[1777, 1778]	4018	[6074, 37]	7091	[8904, 2519]	10164	[10968, 6148]
946	[1779, 1780]	4019	[6075, 6076]	7092	[2726, 8905]	10165	[8914, 10969]
947	[1781, 1782]	4020	[6077, 3030]	7093	[8906, 8907]	10166	[10016, 10970]
948	[1783, 273]	4021	[6078, 6079]	7094	[635, 8908]	10167	[2023, 10971]
949	[1784, 1785]	4022	[5445, 6080]	7095	[8909, 214]	10168	[2559, 10972]
950	[998, 1786]	4023	[6081, 6082]	7096	[6738, 2946]	10169	[5481, 10973]
951	[1483, 1162]	4024	[6083, 2967]	7097	[8910, 8911]	10170	[10121, 6908]
952	[1787, 1788]	4025	[6084, 6085]	7098	[8912, 8913]	10171	[10974, 9938]
953	[1789, 1790]	4026	[6086, 6087]	7099	[5233, 5206]	10172	[10975, 5985]
954	[1791, 1792]	4027	[6088, 2253]	7100	[8914, 8915]	10173	[9386, 10976]
955	[1793, 1794]	4028	[6089, 6090]	7101	[8916, 8917]	10174	[10977, 9546]
956	[1795, 1796]	4029	[6091, 6092]	7102	[8918, 5274]	10175	[10978, 6393]
957	[1797, 1798]	4030	[6093, 6094]	7103	[5585, 8919]	10176	[542, 10979]

958	[1799, 1800]	4031	[6095, 6096]	7104	[5004, 1948]	10177	[10980, 2802]
959	[1801, 1802]	4032	[6097, 2342]	7105	[8920, 2362]	10178	[2016, 10981]
960	[1803, 1804]	4033	[6098, 5800]	7106	[6396, 8921]	10179	[10982, 5586]
961	[1805, 1806]	4034	[6099, 2642]	7107	[8922, 8923]	10180	[3113, 2067]
962	[1807, 1808]	4035	[6100, 6101]	7108	[2238, 8924]	10181	[5512, 10983]
963	[1809, 1810]	4036	[6102, 6103]	7109	[8925, 2275]	10182	[10984, 2120]
964	[1811, 1812]	4037	[1808, 6104]	7110	[6777, 8926]	10183	[2840, 139]
965	[1813, 1814]	4038	[2905, 6105]	7111	[8927, 2170]	10184	[9267, 6725]
966	[609, 1815]	4039	[6106, 2014]	7112	[5608, 215]	10185	[10985, 9443]
967	[1816, 1817]	4040	[195, 2812]	7113	[8928, 6406]	10186	[9615, 9682]
968	[1818, 1819]	4041	[6085, 2454]	7114	[8929, 2429]	10187	[6139, 10986]
969	[1820, 801]	4042	[5655, 6107]	7115	[8888, 5136]	10188	[5843, 5005]
970	[1821, 1822]	4043	[6108, 6109]	7116	[6763, 8930]	10189	[10987, 601]
971	[128, 1823]	4044	[6110, 2926]	7117	[1995, 8931]	10190	[10988, 9698]
972	[1824, 1825]	4045	[5901, 909]	7118	[8932, 2526]	10191	[10989, 792]
973	[1826, 1827]	4046	[6111, 6112]	7119	[1853, 8933]	10192	[10990, 10991]
974	[1828, 742]	4047	[839, 2774]	7120	[8934, 2017]	10193	[2946, 9947]
975	[1829, 1830]	4048	[6113, 5048]	7121	[8935, 2183]	10194	[5466, 10992]
976	[1831, 1832]	4049	[2823, 2252]	7122	[6322, 8936]	10195	[5980, 9416]
977	[1833, 1834]	4050	[239, 6114]	7123	[6973, 503]	10196	[5706, 2304]
978	[1835, 1836]	4051	[6115, 592]	7124	[5540, 8937]	10197	[6839, 1991]
979	[843, 903]	4052	[6116, 6117]	7125	[8938, 5779]	10198	[10993, 2387]
980	[1837, 1838]	4053	[3028, 6118]	7126	[6483, 5256]	10199	[6457, 9821]
981	[1839, 1840]	4054	[5556, 6119]	7127	[8939, 173]	10200	[10994, 8982]
982	[1841, 1842]	4055	[6120, 2553]	7128	[8940, 2778]	10201	[9871, 6307]
983	[1843, 1844]	4056	[6121, 6122]	7129	[6094, 8941]	10202	[5069, 5110]
984	[1845, 666]	4057	[1821, 5426]	7130	[8942, 8909]	10203	[215, 10995]
985	[1846, 1847]	4058	[6123, 5362]	7131	[203, 2035]	10204	[10996, 681]
986	[1848, 1849]	4059	[5433, 6124]	7132	[6952, 8943]	10205	[735, 10997]
987	[1850, 1851]	4060	[5922, 226]	7133	[6531, 769]	10206	[9745, 9932]
988	[1852, 1853]	4061	[6125, 2280]	7134	[5204, 8944]	10207	[5876, 10998]
989	[1854, 1855]	4062	[6126, 6127]	7135	[5641, 8945]	10208	[9199, 2923]
990	[1856, 1857]	4063	[6128, 5301]	7136	[6903, 5840]	10209	[9907, 10999]
991	[1858, 1859]	4064	[6129, 6130]	7137	[8946, 8947]	10210	[3065, 2891]
992	[1860, 1861]	4065	[5397, 5498]	7138	[6242, 2980]	10211	[9805, 10056]
993	[1862, 851]	4066	[6131, 6033]	7139	[8948, 6839]	10212	[9175, 2975]
994	[1863, 932]	4067	[6132, 2065]	7140	[8949, 8950]	10213	[2280, 11000]
995	[1864, 1865]	4068	[2641, 6133]	7141	[5507, 8951]	10214	[2166, 11001]
996	[1866, 1867]	4069	[6134, 2755]	7142	[1849, 6226]	10215	[11002, 3100]
997	[1868, 1869]	4070	[647, 6135]	7143	[8952, 637]	10216	[5162, 6506]
998	[1870, 1871]	4071	[6136, 5771]	7144	[2618, 5616]	10217	[11003, 9089]
999	[1872, 1873]	4072	[553, 6137]	7145	[8953, 8954]	10218	[10019, 9651]
1000	[1874, 1875]	4073	[2975, 6138]	7146	[2613, 8955]	10219	[11004, 6585]
1001	[1876, 1877]	4074	[6139, 6140]	7147	[8956, 8818]	10220	[5412, 5189]

1002	[1878, 1879]	4075	[2319, 6141]	7148	[8957, 165]	10221	[11005, 5004]
1003	[1880, 1881]	4076	[6142, 5934]	7149	[8958, 5487]	10222	[11006, 5745]
1004	[1882, 1883]	4077	[5427, 6143]	7150	[6724, 574]	10223	[5250, 5641]
1005	[1884, 1885]	4078	[6144, 5511]	7151	[8959, 2900]	10224	[5470, 11007]
1006	[1886, 62]	4079	[5351, 6145]	7152	[2297, 8960]	10225	[11008, 2102]
1007	[1887, 1888]	4080	[2664, 5975]	7153	[8961, 652]	10226	[2550, 5209]
1008	[1889, 588]	4081	[6146, 234]	7154	[8962, 2211]	10227	[6312, 3024]
1009	[1890, 1891]	4082	[585, 727]	7155	[8963, 5891]	10228	[5653, 8870]
1010	[779, 1892]	4083	[6147, 6148]	7156	[1794, 5620]	10229	[6107, 6196]
1011	[812, 1893]	4084	[2344, 6149]	7157	[5302, 6109]	10230	[11009, 2060]
1012	[1894, 1895]	4085	[6150, 6151]	7158	[2972, 5463]	10231	[11010, 6550]
1013	[1896, 1897]	4086	[6152, 1845]	7159	[8836, 8824]	10232	[2746, 11011]
1014	[1898, 1899]	4087	[6153, 2715]	7160	[8964, 185]	10233	[2896, 6646]
1015	[1900, 814]	4088	[6154, 2216]	7161	[8866, 8965]	10234	[6424, 11012]
1016	[1901, 1902]	4089	[173, 2780]	7162	[8966, 8967]	10235	[11013, 190]
1017	[1903, 1904]	4090	[6155, 6156]	7163	[6113, 5957]	10236	[6000, 10015]
1018	[1905, 1906]	4091	[2906, 6157]	7164	[8968, 2156]	10237	[11014, 2753]
1019	[57, 1907]	4092	[2239, 6158]	7165	[6546, 8969]	10238	[11015, 5690]
1020	[1908, 1909]	4093	[6159, 6160]	7166	[8970, 8971]	10239	[11016, 8877]
1021	[1910, 1911]	4094	[6161, 5095]	7167	[8972, 8973]	10240	[11017, 2440]
1022	[525, 1912]	4095	[6162, 2727]	7168	[8974, 6648]	10241	[11018, 2716]
1023	[1913, 1914]	4096	[6163, 2876]	7169	[5423, 1943]	10242	[2155, 11019]
1024	[1915, 1916]	4097	[2957, 1993]	7170	[677, 551]	10243	[11020, 2768]
1025	[1917, 1918]	4098	[6121, 6164]	7171	[5678, 8975]	10244	[2029, 6692]
1026	[1919, 1920]	4099	[36, 6165]	7172	[8976, 8977]	10245	[11021, 11022]
1027	[1921, 1922]	4100	[6166, 6167]	7173	[6670, 8978]	10246	[11023, 11024]
1028	[857, 1923]	4101	[6168, 5517]	7174	[5164, 2302]	10247	[2337, 11025]
1029	[1924, 1925]	4102	[5071, 6169]	7175	[6308, 8979]	10248	[11026, 6612]
1030	[1926, 810]	4103	[6170, 6171]	7176	[8980, 2268]	10249	[6415, 5412]
1031	[864, 1927]	4104	[6172, 5715]	7177	[8981, 5884]	10250	[9639, 9872]
1032	[1928, 1929]	4105	[6173, 5299]	7178	[8982, 713]	10251	[5173, 9618]
1033	[905, 1930]	4106	[6174, 2198]	7179	[8983, 5745]	10252	[3070, 5157]
1034	[1931, 1932]	4107	[2569, 230]	7180	[8984, 8985]	10253	[9526, 5960]
1035	[1933, 1934]	4108	[6175, 6176]	7181	[2834, 2637]	10254	[11027, 2485]
1036	[1935, 1936]	4109	[6177, 2256]	7182	[8986, 2716]	10255	[2252, 9885]
1037	[1937, 1938]	4110	[6178, 6179]	7183	[8987, 6095]	10256	[11028, 5061]
1038	[1939, 1940]	4111	[2262, 6180]	7184	[1840, 8988]	10257	[11029, 952]
1039	[1941, 1942]	4112	[6181, 6182]	7185	[753, 6003]	10258	[5793, 643]
1040	[1943, 1944]	4113	[3118, 6183]	7186	[6592, 8989]	10259	[3027, 9052]
1041	[1945, 1946]	4114	[5006, 5939]	7187	[8990, 3068]	10260	[11030, 6439]
1042	[1947, 1948]	4115	[6184, 2585]	7188	[6096, 5472]	10261	[11031, 700]
1043	[1949, 1950]	4116	[51, 6185]	7189	[8991, 5693]	10262	[11032, 8974]
1044	[1918, 1920]	4117	[5718, 6186]	7190	[8992, 2]	10263	[11033, 9474]
1045	[1951, 1952]	4118	[220, 6187]	7191	[8993, 846]	10264	[6696, 9408]

1046	[1953, 1954]	4119	[6188, 6189]	7192	[2678, 2587]	10265	[2071, 6879]
1047	[1955, 1956]	4120	[6190, 2530]	7193	[8994, 8995]	10266	[5996, 11034]
1048	[1957, 1958]	4121	[6191, 862]	7194	[2309, 148]	10267	[2190, 1828]
1049	[42, 1959]	4122	[2836, 6192]	7195	[8996, 2549]	10268	[1814, 5267]
1050	[1960, 1961]	4123	[690, 6193]	7196	[854, 8997]	10269	[11035, 9191]
1051	[1962, 1963]	4124	[5981, 2862]	7197	[2160, 2466]	10270	[11036, 6199]
1052	[1964, 1965]	4125	[6194, 6195]	7198	[8998, 3013]	10271	[2971, 10950]
1053	[1872, 1966]	4126	[5656, 6196]	7199	[8999, 1940]	10272	[5550, 5039]
1054	[1967, 1968]	4127	[836, 2085]	7200	[181, 9000]	10273	[795, 11037]
1055	[540, 1969]	4128	[6197, 6198]	7201	[5862, 5390]	10274	[11038, 6888]
1056	[1970, 516]	4129	[2741, 6199]	7202	[6098, 9001]	10275	[9340, 9552]
1057	[1971, 1972]	4130	[3015, 5740]	7203	[5334, 5507]	10276	[6935, 11039]
1058	[1973, 209]	4131	[6200, 736]	7204	[541, 9002]	10277	[2392, 11040]
1059	[1974, 1975]	4132	[5181, 6201]	7205	[6331, 5016]	10278	[5952, 6694]
1060	[1976, 1977]	4133	[5771, 6202]	7206	[6815, 9003]	10279	[2902, 6496]
1061	[1816, 205]	4134	[1799, 6203]	7207	[6368, 9004]	10280	[9864, 5774]
1062	[1978, 1979]	4135	[6204, 6205]	7208	[8868, 9005]	10281	[9319, 672]
1063	[1980, 1981]	4136	[6206, 5492]	7209	[9006, 696]	10282	[11041, 6701]
1064	[1982, 1983]	4137	[712, 6207]	7210	[2125, 6562]	10283	[11042, 3043]
1065	[1890, 1984]	4138	[6208, 5457]	7211	[9007, 5538]	10284	[9023, 5922]
1066	[1985, 1986]	4139	[6209, 6210]	7212	[9008, 9009]	10285	[8838, 14]
1067	[1987, 1988]	4140	[6211, 1838]	7213	[9010, 949]	10286	[11043, 6158]
1068	[1989, 760]	4141	[5002, 6212]	7214	[9011, 5053]	10287	[6858, 5177]
1069	[791, 1990]	4142	[2446, 6213]	7215	[2402, 1987]	10288	[11044, 6602]
1070	[1991, 1992]	4143	[6214, 778]	7216	[5643, 9012]	10289	[6779, 11045]
1071	[1993, 1994]	4144	[757, 5297]	7217	[5691, 8872]	10290	[6169, 9373]
1072	[1995, 1933]	4145	[6215, 3081]	7218	[3020, 3081]	10291	[11046, 9819]
1073	[1996, 1997]	4146	[6216, 2865]	7219	[9013, 6970]	10292	[2506, 11047]
1074	[1998, 1999]	4147	[844, 5446]	7220	[9014, 5471]	10293	[2656, 11048]
1075	[2000, 2001]	4148	[2386, 2219]	7221	[2544, 9015]	10294	[11049, 875]
1076	[2002, 210]	4149	[6217, 6218]	7222	[2013, 9016]	10295	[13, 9856]
1077	[2003, 2004]	4150	[944, 5515]	7223	[5244, 9017]	10296	[11050, 2604]
1078	[2005, 2006]	4151	[946, 1865]	7224	[5317, 2630]	10297	[11051, 598]
1079	[2007, 2008]	4152	[6219, 6165]	7225	[9018, 9019]	10298	[2181, 11052]
1080	[2009, 2010]	4153	[6220, 2721]	7226	[2356, 5904]	10299	[11053, 2360]
1081	[2011, 2012]	4154	[1962, 6221]	7227	[2972, 6312]	10300	[9732, 929]
1082	[2013, 2014]	4155	[6222, 6223]	7228	[2922, 2987]	10301	[2138, 536]
1083	[2015, 2016]	4156	[5782, 5083]	7229	[9020, 5644]	10302	[6710, 2846]
1084	[2017, 2018]	4157	[6008, 6224]	7230	[5907, 5340]	10303	[1980, 11054]
1085	[2019, 2020]	4158	[2939, 5710]	7231	[5778, 9021]	10304	[11055, 6252]
1086	[2021, 2022]	4159	[5323, 6225]	7232	[5113, 2647]	10305	[5626, 11056]
1087	[2023, 2024]	4160	[6226, 5198]	7233	[819, 9022]	10306	[8957, 5861]
1088	[550, 2025]	4161	[6227, 6228]	7234	[5530, 9010]	10307	[5346, 2495]
1089	[2026, 2027]	4162	[863, 877]	7235	[9023, 225]	10308	[11057, 1914]

1090	[2028, 2029]	4163	[5746, 6229]	7236	[5689, 9024]	10309	[6307, 3109]
1091	[2030, 2031]	4164	[6230, 6231]	7237	[9025, 9026]	10310	[11058, 6340]
1092	[2032, 2033]	4165	[6232, 6233]	7238	[9027, 6277]	10311	[943, 5514]
1093	[2034, 2035]	4166	[6078, 6234]	7239	[9028, 9029]	10312	[2989, 11059]
1094	[2036, 2037]	4167	[2621, 5071]	7240	[5186, 9030]	10313	[11060, 5867]
1095	[2038, 2039]	4168	[6235, 216]	7241	[5914, 9031]	10314	[11061, 2087]
1096	[2040, 2041]	4169	[2523, 5965]	7242	[9032, 1910]	10315	[8849, 9525]
1097	[2042, 2043]	4170	[5156, 2527]	7243	[6702, 9033]	10316	[2060, 11062]
1098	[2044, 2045]	4171	[5855, 6236]	7244	[535, 9034]	10317	[11063, 2569]
1099	[549, 2046]	4172	[6237, 5040]	7245	[5781, 2985]	10318	[9664, 11064]
1100	[532, 2047]	4173	[6238, 6239]	7246	[3071, 9035]	10319	[11065, 9541]
1101	[2048, 2049]	4174	[6240, 5184]	7247	[9036, 6564]	10320	[11066, 2836]
1102	[145, 2050]	4175	[5617, 6241]	7248	[6904, 9037]	10321	[6850, 11067]
1103	[2051, 2052]	4176	[494, 6242]	7249	[5421, 9038]	10322	[11068, 6210]
1104	[2053, 2054]	4177	[5189, 6243]	7250	[6928, 550]	10323	[6286, 11069]
1105	[2055, 1989]	4178	[6244, 5560]	7251	[9039, 622]	10324	[1803, 11070]
1106	[2056, 2057]	4179	[6095, 854]	7252	[6241, 6118]	10325	[8830, 2794]
1107	[2058, 2059]	4180	[2701, 6245]	7253	[8901, 5214]	10326	[11071, 6954]
1108	[2060, 2061]	4181	[6246, 6247]	7254	[6036, 9040]	10327	[11, 5850]
1109	[2062, 2063]	4182	[6248, 5208]	7255	[6771, 5425]	10328	[2814, 763]
1110	[2064, 2065]	4183	[2175, 623]	7256	[2526, 5476]	10329	[9451, 2072]
1111	[1854, 2066]	4184	[6249, 5529]	7257	[3073, 5479]	10330	[11072, 5124]
1112	[2067, 2068]	4185	[493, 6250]	7258	[8929, 5896]	10331	[6660, 5293]
1113	[2069, 2070]	4186	[2437, 6251]	7259	[9041, 1804]	10332	[5039, 11073]
1114	[2071, 2072]	4187	[5764, 6252]	7260	[6901, 5437]	10333	[9942, 9912]
1115	[2073, 2074]	4188	[2898, 6253]	7261	[2518, 9042]	10334	[5725, 2724]
1116	[2075, 2076]	4189	[2979, 6254]	7262	[9043, 9044]	10335	[6326, 9547]
1117	[2077, 2078]	4190	[2616, 6255]	7263	[3111, 9045]	10336	[11074, 2146]
1118	[240, 2079]	4191	[6256, 6257]	7264	[639, 9046]	10337	[3114, 10044]
1119	[2080, 2081]	4192	[218, 6258]	7265	[5364, 528]	10338	[9429, 11075]
1120	[1948, 1977]	4193	[6259, 5704]	7266	[9047, 9048]	10339	[11076, 5906]
1121	[2082, 2083]	4194	[6260, 222]	7267	[9049, 2113]	10340	[11077, 6228]
1122	[2084, 2085]	4195	[928, 6018]	7268	[809, 9050]	10341	[11078, 6711]
1123	[2086, 2087]	4196	[1864, 6261]	7269	[9051, 5612]	10342	[5444, 8832]
1124	[2088, 2089]	4197	[6262, 6263]	7270	[611, 6654]	10343	[8835, 6404]
1125	[2090, 2091]	4198	[2423, 6264]	7271	[9052, 9053]	10344	[11079, 6575]
1126	[2092, 2093]	4199	[2646, 6098]	7272	[8880, 3084]	10345	[6769, 11080]
1127	[2094, 2095]	4200	[6265, 6266]	7273	[2998, 2599]	10346	[10034, 5708]
1128	[2096, 2097]	4201	[947, 6267]	7274	[5428, 5033]	10347	[8887, 5510]
1129	[900, 2098]	4202	[873, 6268]	7275	[6865, 9054]	10348	[11081, 6595]
1130	[2099, 2100]	4203	[6269, 6270]	7276	[9055, 9056]	10349	[11082, 5871]
1131	[2101, 2102]	4204	[6271, 6272]	7277	[6827, 6355]	10350	[11083, 6818]
1132	[2103, 2104]	4205	[6188, 6273]	7278	[210, 6968]	10351	[9321, 6826]
1133	[2105, 2106]	4206	[6274, 6275]	7279	[9057, 6383]	10352	[6586, 2271]

1134	[2107, 2010]	4207	[6276, 2006]	7280	[9058, 3067]	10353	[11084, 6177]
1135	[2108, 2109]	4208	[2050, 6276]	7281	[792, 9059]	10354	[11085, 8827]
1136	[2110, 200]	4209	[6277, 3098]	7282	[9060, 5942]	10355	[11086, 2680]
1137	[2111, 2112]	4210	[2254, 5696]	7283	[9061, 9062]	10356	[9043, 11087]
1138	[2113, 2114]	4211	[5137, 6278]	7284	[9063, 9064]	10357	[11088, 9337]
1139	[2115, 2116]	4212	[1938, 5565]	7285	[5291, 5730]	10358	[8910, 11089]
1140	[2117, 2118]	4213	[5150, 6279]	7286	[9065, 5475]	10359	[5172, 11090]
1141	[2119, 2120]	4214	[5287, 2647]	7287	[2806, 9064]	10360	[234, 11091]
1142	[2121, 2122]	4215	[6280, 6281]	7288	[8883, 2011]	10361	[9153, 610]
1143	[2123, 2124]	4216	[5238, 1890]	7289	[2874, 9066]	10362	[9718, 2375]
1144	[2125, 45]	4217	[6282, 779]	7290	[8903, 524]	10363	[11092, 11093]
1145	[2126, 2127]	4218	[6283, 6284]	7291	[9067, 2309]	10364	[11094, 9584]
1146	[2128, 2129]	4219	[6285, 6039]	7292	[8918, 5363]	10365	[3101, 5789]
1147	[2130, 2131]	4220	[6286, 6287]	7293	[8900, 5822]	10366	[9439, 11095]
1148	[2132, 2133]	4221	[6288, 673]	7294	[6545, 6544]	10367	[11096, 6188]
1149	[2134, 2135]	4222	[128, 5168]	7295	[5705, 528]	10368	[5320, 6097]
1150	[2136, 2137]	4223	[6289, 5221]	7296	[5275, 6581]	10369	[11097, 5603]
1151	[2138, 566]	4224	[6290, 5889]	7297	[9068, 1982]	10370	[614, 2811]
1152	[2139, 2140]	4225	[2292, 6291]	7298	[9069, 735]	10371	[11098, 2091]
1153	[2141, 2142]	4226	[5572, 2425]	7299	[2729, 3101]	10372	[5971, 11099]
1154	[2143, 2144]	4227	[1933, 6292]	7300	[2053, 3104]	10373	[5517, 939]
1155	[2145, 2146]	4228	[3056, 2187]	7301	[9070, 9071]	10374	[5468, 5102]
1156	[2147, 152]	4229	[6293, 5651]	7302	[1929, 5984]	10375	[11100, 2773]
1157	[2148, 2149]	4230	[6294, 2379]	7303	[5576, 1809]	10376	[5022, 6784]
1158	[2150, 634]	4231	[871, 6295]	7304	[2364, 1945]	10377	[11101, 6938]
1159	[2151, 2152]	4232	[6083, 2165]	7305	[9072, 1986]	10378	[1955, 9154]
1160	[2153, 2154]	4233	[6296, 659]	7306	[520, 6555]	10379	[11102, 6589]
1161	[2155, 2156]	4234	[2128, 6297]	7307	[2062, 6415]	10380	[9787, 9203]
1162	[2157, 2158]	4235	[6298, 5433]	7308	[2083, 2293]	10381	[9007, 5308]
1163	[2159, 2160]	4236	[836, 6299]	7309	[9073, 9074]	10382	[11103, 6578]
1164	[2161, 2162]	4237	[6300, 662]	7310	[9075, 6277]	10383	[5008, 11104]
1165	[2163, 2164]	4238	[6301, 5296]	7311	[9076, 832]	10384	[11105, 2653]
1166	[2165, 2166]	4239	[750, 2766]	7312	[6493, 6030]	10385	[2857, 9595]
1167	[2167, 2168]	4240	[6302, 2108]	7313	[9077, 2022]	10386	[11106, 598]
1168	[2169, 2170]	4241	[6303, 6304]	7314	[5398, 9078]	10387	[5598, 11107]
1169	[2171, 2172]	4242	[1969, 2316]	7315	[6007, 9079]	10388	[187, 2409]
1170	[2173, 2174]	4243	[6305, 6306]	7316	[2778, 6290]	10389	[1810, 11108]
1171	[2175, 2176]	4244	[6307, 850]	7317	[2804, 9080]	10390	[11109, 917]
1172	[2177, 2178]	4245	[6308, 6309]	7318	[5406, 9081]	10391	[2048, 6407]
1173	[2179, 2180]	4246	[6310, 723]	7319	[5433, 6862]	10392	[6730, 241]
1174	[2181, 2182]	4247	[6024, 6311]	7320	[9082, 6113]	10393	[10068, 11110]
1175	[2183, 2184]	4248	[6312, 5464]	7321	[6756, 935]	10394	[11111, 5604]
1176	[2185, 2186]	4249	[6313, 5854]	7322	[9083, 5927]	10395	[11112, 176]
1177	[2187, 2188]	4250	[6314, 6315]	7323	[2112, 6731]	10396	[2277, 235]

1178	[801, 2189]	4251	[6316, 5547]	7324	[5660, 9084]	10397	[11113, 5554]
1179	[2190, 741]	4252	[6317, 6318]	7325	[6805, 6263]	10398	[11114, 11115]
1180	[2191, 2192]	4253	[6319, 6320]	7326	[6701, 3070]	10399	[9329, 9319]
1181	[2193, 2194]	4254	[6321, 2491]	7327	[5552, 6971]	10400	[9514, 6850]
1182	[2195, 2196]	4255	[2865, 2544]	7328	[8984, 2060]	10401	[11116, 6623]
1183	[2197, 2198]	4256	[6322, 6323]	7329	[9085, 594]	10402	[2932, 11117]
1184	[2199, 2200]	4257	[2843, 6062]	7330	[3115, 9086]	10403	[2101, 9182]
1185	[2201, 2202]	4258	[6324, 664]	7331	[6034, 2426]	10404	[2025, 2284]
1186	[1833, 2203]	4259	[2133, 776]	7332	[9087, 5114]	10405	[9352, 11118]
1187	[2204, 2205]	4260	[6325, 5995]	7333	[6868, 6436]	10406	[10010, 5937]
1188	[2206, 495]	4261	[6326, 2913]	7334	[9088, 9089]	10407	[11119, 9962]
1189	[2207, 2208]	4262	[6327, 6328]	7335	[9090, 1881]	10408	[9861, 3102]
1190	[2209, 2210]	4263	[6329, 838]	7336	[9091, 5053]	10409	[11120, 2652]
1191	[2211, 2212]	4264	[6330, 6331]	7337	[673, 9092]	10410	[6435, 11121]
1192	[2213, 2214]	4265	[5497, 6332]	7338	[9093, 9094]	10411	[11085, 9647]
1193	[2215, 2216]	4266	[5240, 6333]	7339	[5552, 9095]	10412	[8983, 6611]
1194	[2217, 2218]	4267	[2289, 6334]	7340	[9096, 9097]	10413	[9851, 9556]
1195	[2219, 11]	4268	[6335, 2856]	7341	[9098, 9099]	10414	[2986, 11122]
1196	[664, 2220]	4269	[6336, 6337]	7342	[6046, 8909]	10415	[9233, 9576]
1197	[2221, 2222]	4270	[2894, 6338]	7343	[9049, 6606]	10416	[9047, 11123]
1198	[2223, 2224]	4271	[6339, 6340]	7344	[2435, 9100]	10417	[11124, 2353]
1199	[2225, 2226]	4272	[6341, 2631]	7345	[9101, 6767]	10418	[6233, 11125]
1200	[2227, 1796]	4273	[6342, 6343]	7346	[575, 6451]	10419	[5852, 11126]
1201	[2228, 2229]	4274	[6344, 6345]	7347	[9102, 6921]	10420	[11127, 6656]
1202	[2230, 2231]	4275	[2279, 2164]	7348	[2911, 5525]	10421	[600, 11128]
1203	[710, 2232]	4276	[903, 6346]	7349	[9028, 6709]	10422	[5187, 11129]
1204	[2233, 2234]	4277	[5174, 6347]	7350	[9103, 6417]	10423	[11130, 10]
1205	[2235, 2236]	4278	[5712, 911]	7351	[1960, 2690]	10424	[756, 11131]
1206	[2237, 2238]	4279	[559, 5893]	7352	[2329, 2312]	10425	[11042, 751]
1207	[2239, 2240]	4280	[6348, 5669]	7353	[5152, 5011]	10426	[2751, 11132]
1208	[144, 2241]	4281	[6349, 6171]	7354	[5279, 9104]	10427	[2848, 9207]
1209	[2242, 2243]	4282	[2683, 3079]	7355	[6792, 6091]	10428	[729, 11133]
1210	[2244, 2245]	4283	[6227, 6350]	7356	[9105, 1841]	10429	[11134, 6380]
1211	[2246, 2247]	4284	[6351, 6352]	7357	[6233, 8954]	10430	[9650, 6049]
1212	[2248, 1821]	4285	[6353, 6354]	7358	[9106, 2340]	10431	[6608, 11135]
1213	[2249, 2250]	4286	[6355, 6356]	7359	[5771, 9107]	10432	[11136, 9194]
1214	[2251, 2252]	4287	[2662, 6357]	7360	[694, 5563]	10433	[11137, 2532]
1215	[2253, 730]	4288	[2754, 6358]	7361	[828, 9108]	10434	[6794, 5734]
1216	[495, 2254]	4289	[6359, 5985]	7362	[750, 6543]	10435	[5485, 2259]
1217	[2255, 2256]	4290	[615, 6360]	7363	[812, 9109]	10436	[11138, 11139]
1218	[2257, 2258]	4291	[6325, 6361]	7364	[5219, 2909]	10437	[5017, 11140]
1219	[2259, 2260]	4292	[6362, 591]	7365	[6870, 2049]	10438	[9283, 11141]
1220	[2261, 2262]	4293	[2908, 6363]	7366	[9110, 9111]	10439	[781, 6668]
1221	[2263, 2264]	4294	[6244, 6364]	7367	[9112, 667]	10440	[11142, 10947]

1222	[2265, 2266]	4295	[2992, 578]	7368	[9113, 248]	10441	[2116, 11143]
1223	[2267, 2268]	4296	[6365, 5903]	7369	[9114, 9115]	10442	[11144, 9406]
1224	[2269, 2270]	4297	[6094, 2598]	7370	[2188, 2536]	10443	[2884, 2143]
1225	[2271, 2272]	4298	[6366, 5253]	7371	[6152, 137]	10444	[6225, 8991]
1226	[2273, 2274]	4299	[3091, 6367]	7372	[9116, 6677]	10445	[10951, 5392]
1227	[2275, 2276]	4300	[6368, 6369]	7373	[2195, 9117]	10446	[11145, 2185]
1228	[2277, 563]	4301	[5317, 880]	7374	[6579, 228]	10447	[10102, 11146]
1229	[2278, 2279]	4302	[6370, 6371]	7375	[2310, 9118]	10448	[2590, 11147]
1230	[2280, 2281]	4303	[5276, 6372]	7376	[6812, 2322]	10449	[10070, 11148]
1231	[2282, 2283]	4304	[6373, 6374]	7377	[5594, 617]	10450	[6663, 6847]
1232	[551, 2284]	4305	[6375, 6376]	7378	[9119, 715]	10451	[11149, 9803]
1233	[2285, 2286]	4306	[2003, 2925]	7379	[9120, 6528]	10452	[551, 11150]
1234	[2287, 2288]	4307	[2800, 6042]	7380	[9121, 5807]	10453	[8831, 11151]
1235	[2289, 2290]	4308	[6377, 5215]	7381	[9122, 2636]	10454	[147, 11152]
1236	[2054, 2291]	4309	[6378, 246]	7382	[5661, 9123]	10455	[5633, 215]
1237	[2292, 2293]	4310	[6379, 6380]	7383	[9124, 580]	10456	[11153, 6733]
1238	[2294, 2295]	4311	[6381, 2209]	7384	[211, 9125]	10457	[11154, 9372]
1239	[2296, 2297]	4312	[6382, 5228]	7385	[9126, 545]	10458	[11155, 5968]
1240	[2298, 2299]	4313	[6383, 5602]	7386	[2244, 8981]	10459	[11156, 9048]
1241	[2300, 2301]	4314	[5266, 5098]	7387	[9127, 9128]	10460	[2672, 3056]
1242	[2302, 641]	4315	[133, 6384]	7388	[6370, 6737]	10461	[5232, 5205]
1243	[2303, 1836]	4316	[5809, 5028]	7389	[1940, 5807]	10462	[9250, 10076]
1244	[2304, 2305]	4317	[6385, 6386]	7390	[3014, 1883]	10463	[214, 2130]
1245	[2306, 2307]	4318	[6387, 6363]	7391	[9129, 9130]	10464	[4999, 6904]
1246	[2308, 2309]	4319	[719, 5630]	7392	[604, 9131]	10465	[2258, 11157]
1247	[2310, 2311]	4320	[631, 6388]	7393	[2643, 6487]	10466	[11158, 9094]
1248	[2312, 814]	4321	[6389, 6390]	7394	[9132, 6026]	10467	[9587, 1970]
1249	[2313, 2314]	4322	[5358, 6391]	7395	[6382, 1878]	10468	[175, 11159]
1250	[815, 2315]	4323	[6354, 807]	7396	[8858, 9133]	10469	[652, 2816]
1251	[541, 2316]	4324	[6392, 6393]	7397	[2377, 9134]	10470	[11160, 2668]
1252	[2317, 2318]	4325	[2333, 5691]	7398	[9135, 6928]	10471	[11161, 11162]
1253	[2102, 2319]	4326	[2299, 2097]	7399	[9136, 682]	10472	[11163, 11164]
1254	[2320, 2321]	4327	[6394, 6395]	7400	[9137, 9138]	10473	[5303, 5541]
1255	[2322, 2323]	4328	[5265, 5097]	7401	[2849, 9139]	10474	[10022, 1908]
1256	[2324, 2325]	4329	[5611, 6396]	7402	[1941, 9140]	10475	[11165, 151]
1257	[2326, 2327]	4330	[6397, 2212]	7403	[9079, 6224]	10476	[11166, 9529]
1258	[603, 2328]	4331	[6191, 6398]	7404	[9141, 5427]	10477	[11167, 833]
1259	[1850, 907]	4332	[2673, 2187]	7405	[8994, 9142]	10478	[5639, 11168]
1260	[2329, 1900]	4333	[926, 6399]	7406	[5693, 2052]	10479	[9396, 6554]
1261	[2330, 2331]	4334	[5918, 6180]	7407	[9143, 9144]	10480	[6503, 700]
1262	[2332, 2333]	4335	[2416, 6400]	7408	[9145, 5093]	10481	[1848, 9462]
1263	[2334, 658]	4336	[6401, 6402]	7409	[9146, 6881]	10482	[6929, 1954]
1264	[2335, 2336]	4337	[749, 6403]	7410	[8902, 523]	10483	[11169, 11170]
1265	[2337, 2338]	4338	[44, 6404]	7411	[2419, 658]	10484	[6690, 918]

1266	[2339, 2340]	4339	[5007, 5940]	7412	[9147, 9148]	10485	[14, 6211]
1267	[2341, 2168]	4340	[6035, 6405]	7413	[2696, 9149]	10486	[11171, 3063]
1268	[2134, 2342]	4341	[3006, 6406]	7414	[9150, 9151]	10487	[11172, 5727]
1269	[2343, 2344]	4342	[6407, 6408]	7415	[5072, 9152]	10488	[1894, 6741]
1270	[2345, 2346]	4343	[6409, 6410]	7416	[9153, 155]	10489	[5815, 2298]
1271	[2347, 2204]	4344	[6411, 5683]	7417	[9154, 5147]	10490	[2602, 591]
1272	[2348, 2349]	4345	[6230, 6412]	7418	[6720, 9103]	10491	[5751, 11173]
1273	[2350, 2351]	4346	[5613, 2127]	7419	[9155, 9156]	10492	[11174, 5233]
1274	[2352, 2353]	4347	[6413, 6414]	7420	[1998, 5398]	10493	[10084, 2469]
1275	[2354, 2355]	4348	[6415, 6416]	7421	[9157, 9158]	10494	[6342, 6963]
1276	[2356, 2357]	4349	[5320, 2134]	7422	[6178, 5400]	10495	[11175, 6200]
1277	[2358, 2359]	4350	[6417, 5352]	7423	[9159, 6568]	10496	[5064, 11176]
1278	[501, 2360]	4351	[6167, 201]	7424	[6541, 2040]	10497	[574, 1938]
1279	[2361, 2362]	4352	[6418, 5535]	7425	[2124, 9160]	10498	[6269, 11177]
1280	[2363, 2226]	4353	[6419, 6326]	7426	[9161, 9162]	10499	[11178, 9762]
1281	[2364, 2365]	4354	[6420, 2911]	7427	[8, 1965]	10500	[9967, 2912]
1282	[2366, 1892]	4355	[2069, 5350]	7428	[9163, 2324]	10501	[9794, 6357]
1283	[733, 2367]	4356	[6421, 5353]	7429	[9154, 9164]	10502	[11179, 682]
1284	[2368, 599]	4357	[6422, 6423]	7430	[5332, 9165]	10503	[5533, 2442]
1285	[2369, 2370]	4358	[6424, 6425]	7431	[2539, 9166]	10504	[11180, 11124]
1286	[2371, 2372]	4359	[2088, 6426]	7432	[6863, 3045]	10505	[11181, 6863]
1287	[2373, 2374]	4360	[2912, 5526]	7433	[9167, 9168]	10506	[2552, 11124]
1288	[2375, 2376]	4361	[5559, 6427]	7434	[9169, 2672]	10507	[5912, 11182]
1289	[2377, 2378]	4362	[5970, 6428]	7435	[9170, 9171]	10508	[11183, 11184]
1290	[2379, 2089]	4363	[822, 2104]	7436	[9172, 9173]	10509	[9778, 10124]
1291	[2380, 2381]	4364	[6429, 2923]	7437	[9174, 2792]	10510	[2683, 11185]
1292	[2382, 954]	4365	[6430, 6431]	7438	[9175, 2985]	10511	[11166, 870]
1293	[2383, 2384]	4366	[5241, 5191]	7439	[5931, 9176]	10512	[2147, 11186]
1294	[2385, 201]	4367	[6432, 6433]	7440	[9177, 5770]	10513	[11187, 9908]
1295	[2259, 2386]	4368	[5224, 6434]	7441	[8872, 2657]	10514	[6732, 11188]
1296	[2348, 2387]	4369	[6435, 6436]	7442	[9138, 9178]	10515	[9303, 11189]
1297	[38, 1912]	4370	[6437, 5533]	7443	[5242, 2021]	10516	[6632, 9017]
1298	[2388, 2389]	4371	[5775, 6438]	7444	[2533, 9179]	10517	[11190, 3033]
1299	[2390, 2391]	4372	[6439, 6440]	7445	[9180, 9181]	10518	[11191, 9181]
1300	[2392, 2393]	4373	[6441, 5249]	7446	[9182, 2319]	10519	[10020, 6715]
1301	[2394, 2395]	4374	[6442, 6443]	7447	[9183, 3004]	10520	[5844, 11192]
1302	[2396, 2126]	4375	[6444, 194]	7448	[5092, 602]	10521	[11193, 9327]
1303	[2397, 2398]	4376	[6445, 6446]	7449	[1932, 2664]	10522	[9538, 11194]
1304	[2399, 2400]	4377	[6447, 5601]	7450	[174, 2781]	10523	[11195, 3084]
1305	[897, 755]	4378	[6448, 787]	7451	[9184, 9185]	10524	[9520, 9034]
1306	[899, 2401]	4379	[2561, 6449]	7452	[9186, 2799]	10525	[519, 6802]
1307	[2402, 2403]	4380	[6327, 6450]	7453	[2761, 9187]	10526	[6712, 595]
1308	[2404, 2405]	4381	[5451, 6451]	7454	[5307, 9188]	10527	[9336, 2075]
1309	[2406, 2407]	4382	[5591, 6452]	7455	[5381, 133]	10528	[2903, 9220]

1310	[630, 2408]	4383	[6453, 6160]	7456	[5965, 851]	10529	[9464, 2220]
1311	[2409, 2410]	4384	[6454, 6455]	7457	[2618, 9189]	10530	[517, 11196]
1312	[2411, 2412]	4385	[521, 6456]	7458	[6658, 626]	10531	[8964, 5405]
1313	[2413, 695]	4386	[6457, 2877]	7459	[9190, 9191]	10532	[11197, 6452]
1314	[2414, 953]	4387	[6458, 6459]	7460	[1888, 9192]	10533	[11198, 6474]
1315	[2415, 807]	4388	[6460, 6461]	7461	[5215, 5500]	10534	[5128, 6385]
1316	[2416, 2417]	4389	[6462, 1847]	7462	[9193, 9194]	10535	[9910, 2487]
1317	[2418, 2419]	4390	[6463, 2132]	7463	[5093, 9195]	10536	[11199, 557]
1318	[2420, 2421]	4391	[6464, 716]	7464	[9196, 2213]	10537	[11200, 6817]
1319	[2394, 2422]	4392	[6465, 6466]	7465	[6217, 5067]	10538	[11201, 5473]
1320	[2423, 2424]	4393	[6467, 504]	7466	[47, 2502]	10539	[9230, 6074]
1321	[2425, 2426]	4394	[6468, 6120]	7467	[9197, 9198]	10540	[745, 11202]
1322	[2427, 2208]	4395	[2258, 6469]	7468	[9199, 59]	10541	[2420, 9930]
1323	[2428, 690]	4396	[6470, 6471]	7469	[9200, 5925]	10542	[150, 9315]
1324	[2429, 2430]	4397	[6472, 6473]	7470	[242, 9201]	10543	[11203, 6855]
1325	[2431, 2432]	4398	[5286, 5133]	7471	[6885, 9202]	10544	[11204, 9423]
1326	[2433, 2434]	4399	[2520, 6474]	7472	[9203, 9204]	10545	[10026, 11205]
1327	[2435, 2436]	4400	[6475, 6423]	7473	[9205, 9206]	10546	[11206, 6144]
1328	[2437, 2438]	4401	[1820, 3068]	7474	[9207, 607]	10547	[11010, 6336]
1329	[2439, 2440]	4402	[6476, 6055]	7475	[9208, 9209]	10548	[8949, 11207]
1330	[12, 2441]	4403	[6249, 1860]	7476	[3104, 9210]	10549	[1974, 2680]
1331	[2442, 2443]	4404	[6477, 2363]	7477	[2111, 5996]	10550	[11046, 11208]
1332	[2444, 2445]	4405	[5498, 5590]	7478	[6010, 5080]	10551	[135, 2819]
1333	[760, 1808]	4406	[6476, 6478]	7479	[9211, 9009]	10552	[11209, 9151]
1334	[2446, 2447]	4407	[6304, 2778]	7480	[9212, 9213]	10553	[10949, 9296]
1335	[2124, 2448]	4408	[6479, 6480]	7481	[841, 9214]	10554	[11210, 2280]
1336	[2449, 2450]	4409	[6481, 5881]	7482	[2169, 9215]	10555	[6913, 2857]
1337	[2451, 2452]	4410	[5110, 3048]	7483	[9216, 5981]	10556	[11211, 2539]
1338	[2453, 2454]	4411	[6482, 6483]	7484	[2384, 2501]	10557	[196, 9580]
1339	[2455, 2456]	4412	[6484, 142]	7485	[8885, 6878]	10558	[9761, 11212]
1340	[2457, 2458]	4413	[6485, 6486]	7486	[9217, 240]	10559	[9259, 11213]
1341	[2459, 2460]	4414	[6487, 2584]	7487	[9218, 2922]	10560	[11214, 5554]
1342	[1895, 2461]	4415	[6488, 6489]	7488	[9219, 2556]	10561	[11215, 11216]
1343	[2462, 2463]	4416	[6490, 1798]	7489	[9220, 6916]	10562	[2470, 10118]
1344	[162, 2464]	4417	[3007, 5318]	7490	[9221, 2209]	10563	[9493, 8936]
1345	[2465, 2466]	4418	[6491, 6492]	7491	[6859, 9222]	10564	[11138, 11217]
1346	[2467, 2468]	4419	[206, 3037]	7492	[6101, 5408]	10565	[5685, 6952]
1347	[652, 2469]	4420	[5509, 1906]	7493	[9223, 2199]	10566	[11218, 8869]
1348	[2470, 2471]	4421	[6493, 2616]	7494	[8933, 5269]	10567	[10095, 9385]
1349	[619, 2472]	4422	[6494, 6495]	7495	[5796, 9224]	10568	[11219, 233]
1350	[2473, 1794]	4423	[6496, 872]	7496	[5545, 9225]	10569	[8839, 141]
1351	[2474, 2475]	4424	[6497, 145]	7497	[9226, 6150]	10570	[11220, 6090]
1352	[865, 2476]	4425	[5788, 1993]	7498	[9227, 9228]	10571	[10113, 11221]
1353	[2477, 2478]	4426	[6498, 6499]	7499	[9229, 5155]	10572	[9331, 6951]

1354	[2479, 2480]	4427	[2790, 2967]	7500	[9230, 5387]	10573	[775, 11222]
1355	[2481, 2482]	4428	[6394, 2682]	7501	[9231, 9232]	10574	[11223, 5238]
1356	[2483, 2388]	4429	[2323, 6500]	7502	[9233, 9234]	10575	[6033, 2814]
1357	[2484, 2485]	4430	[6154, 6501]	7503	[2296, 6892]	10576	[2245, 11224]
1358	[937, 2486]	4431	[6460, 5838]	7504	[6008, 9235]	10577	[5365, 11225]
1359	[2487, 2488]	4432	[5802, 6502]	7505	[9236, 11]	10578	[2065, 2424]
1360	[2489, 2490]	4433	[1927, 2476]	7506	[2051, 9237]	10579	[11226, 2619]
1361	[2491, 2393]	4434	[5450, 575]	7507	[9238, 8848]	10580	[945, 1864]
1362	[2492, 2493]	4435	[835, 2084]	7508	[9239, 9240]	10581	[845, 2510]
1363	[2494, 2495]	4436	[6503, 6504]	7509	[9241, 696]	10582	[11227, 9647]
1364	[2496, 2497]	4437	[554, 2512]	7510	[9209, 9242]	10583	[5919, 9488]
1365	[2498, 2499]	4438	[1965, 2928]	7511	[818, 47]	10584	[9018, 2950]
1366	[2500, 2501]	4439	[557, 5492]	7512	[9243, 2890]	10585	[3000, 2285]
1367	[2502, 2503]	4440	[536, 6505]	7513	[9244, 9245]	10586	[2927, 11228]
1368	[2504, 2505]	4441	[6506, 2367]	7514	[5105, 9246]	10587	[6697, 8899]
1369	[2506, 2507]	4442	[6463, 5798]	7515	[5977, 6419]	10588	[8985, 2061]
1370	[2508, 2509]	4443	[2210, 1893]	7516	[2389, 6905]	10589	[2217, 5820]
1371	[2510, 2511]	4444	[6491, 2401]	7517	[6197, 9247]	10590	[11229, 5849]
1372	[2512, 2513]	4445	[6507, 2045]	7518	[9248, 233]	10591	[11230, 9952]
1373	[2514, 606]	4446	[5098, 5732]	7519	[9249, 5883]	10592	[11231, 9209]
1374	[2515, 2516]	4447	[6508, 1802]	7520	[9250, 552]	10593	[11232, 9589]
1375	[2180, 1835]	4448	[2796, 1967]	7521	[8858, 9251]	10594	[11233, 5913]
1376	[2332, 2517]	4449	[5290, 6509]	7522	[9252, 2432]	10595	[11234, 6571]
1377	[2518, 2519]	4450	[6510, 49]	7523	[9253, 6631]	10596	[11235, 5617]
1378	[2520, 505]	4451	[6511, 939]	7524	[2573, 9254]	10597	[6527, 11236]
1379	[2521, 803]	4452	[5370, 2154]	7525	[5226, 5212]	10598	[11237, 11238]
1380	[2522, 2523]	4453	[6512, 6513]	7526	[6556, 9255]	10599	[11239, 6161]
1381	[2524, 140]	4454	[5559, 5858]	7527	[6131, 5886]	10600	[8999, 9121]
1382	[2525, 2526]	4455	[6514, 6515]	7528	[5429, 9256]	10601	[9238, 11240]
1383	[2527, 2528]	4456	[5685, 5721]	7529	[2490, 1897]	10602	[3005, 8928]
1384	[2529, 2530]	4457	[2883, 895]	7530	[2427, 9257]	10603	[6854, 6671]
1385	[2531, 2532]	4458	[6516, 2972]	7531	[6314, 9258]	10604	[1859, 8976]
1386	[2533, 2534]	4459	[6517, 6518]	7532	[9259, 3117]	10605	[11241, 1896]
1387	[2535, 2536]	4460	[6519, 6520]	7533	[9260, 9261]	10606	[8855, 11242]
1388	[715, 2128]	4461	[6521, 12]	7534	[9203, 9262]	10607	[11243, 1904]
1389	[717, 2471]	4462	[6192, 6522]	7535	[9093, 9263]	10608	[9689, 11244]
1390	[2537, 2538]	4463	[792, 6523]	7536	[6800, 3086]	10609	[11245, 6136]
1391	[2539, 2540]	4464	[6524, 1957]	7537	[9264, 6167]	10610	[6684, 6805]
1392	[2541, 2431]	4465	[6525, 3114]	7538	[6678, 1793]	10611	[9563, 5264]
1393	[2542, 2543]	4466	[6480, 6526]	7539	[9265, 6909]	10612	[9783, 9101]
1394	[2544, 2545]	4467	[6527, 6528]	7540	[9266, 2361]	10613	[236, 11246]
1395	[2546, 2547]	4468	[1987, 5956]	7541	[9267, 2632]	10614	[2426, 2047]
1396	[2548, 2549]	4469	[5835, 5686]	7542	[5939, 5452]	10615	[6714, 6068]
1397	[2550, 2551]	4470	[6529, 6530]	7543	[9268, 5636]	10616	[10032, 9161]

1398	[2552, 2352]	4471	[6377, 6531]	7544	[2056, 6789]	10617	[6852, 8938]
1399	[2553, 693]	4472	[6532, 6533]	7545	[6480, 5681]	10618	[9172, 11247]
1400	[2554, 2555]	4473	[6534, 6233]	7546	[2599, 5777]	10619	[11248, 11249]
1401	[2556, 2557]	4474	[6535, 6536]	7547	[2501, 3083]	10620	[11250, 9099]
1402	[2015, 2558]	4475	[6537, 2173]	7548	[5267, 3111]	10621	[11251, 9144]
1403	[2559, 2560]	4476	[6538, 611]	7549	[9269, 6194]	10622	[6635, 11252]
1404	[2561, 2562]	4477	[828, 6539]	7550	[2541, 9252]	10623	[11253, 9329]
1405	[2563, 2564]	4478	[6540, 2398]	7551	[6067, 2264]	10624	[6409, 11254]
1406	[567, 527]	4479	[209, 5865]	7552	[5035, 9270]	10625	[9734, 11170]
1407	[707, 2565]	4480	[6541, 6542]	7553	[9271, 5337]	10626	[5153, 11255]
1408	[787, 1983]	4481	[6543, 627]	7554	[5324, 5692]	10627	[9180, 11256]
1409	[2566, 2567]	4482	[5785, 5979]	7555	[6786, 6268]	10628	[11257, 595]
1410	[2568, 2569]	4483	[6544, 6545]	7556	[9129, 9272]	10629	[11032, 6647]
1411	[2570, 2571]	4484	[1921, 5084]	7557	[9273, 9274]	10630	[6146, 6142]
1412	[2572, 2573]	4485	[5607, 2204]	7558	[1868, 9275]	10631	[2510, 11258]
1413	[1951, 2574]	4486	[6546, 6547]	7559	[944, 9276]	10632	[11259, 549]
1414	[2575, 2576]	4487	[838, 6548]	7560	[1832, 842]	10633	[11260, 2314]
1415	[185, 2577]	4488	[1814, 583]	7561	[6102, 6402]	10634	[11261, 169]
1416	[2578, 2579]	4489	[2722, 6549]	7562	[9277, 9278]	10635	[11051, 2368]
1417	[2151, 2580]	4490	[6550, 6337]	7563	[2537, 5846]	10636	[11262, 9973]
1418	[2577, 2581]	4491	[5758, 5814]	7564	[6497, 9279]	10637	[5332, 11263]
1419	[2582, 2583]	4492	[5126, 6551]	7565	[9280, 6456]	10638	[5731, 11264]
1420	[2584, 2585]	4493	[2705, 857]	7566	[9281, 6471]	10639	[9082, 9829]
1421	[2586, 2587]	4494	[3058, 6552]	7567	[5729, 9282]	10640	[6875, 6421]
1422	[2588, 2589]	4495	[572, 6553]	7568	[9209, 2344]	10641	[548, 3036]
1423	[2590, 2591]	4496	[6160, 6554]	7569	[9283, 9284]	10642	[2698, 11265]
1424	[2592, 2593]	4497	[6555, 774]	7570	[6693, 819]	10643	[9624, 5288]
1425	[2594, 2595]	4498	[1900, 888]	7571	[5183, 9285]	10644	[2515, 11266]
1426	[50, 2596]	4499	[6556, 6557]	7572	[9192, 2118]	10645	[11267, 9976]
1427	[2597, 2598]	4500	[6186, 6558]	7573	[9127, 9286]	10646	[2578, 9445]
1428	[2599, 2600]	4501	[6559, 6560]	7574	[9287, 5879]	10647	[9190, 11268]
1429	[2601, 2602]	4502	[5100, 2677]	7575	[9038, 873]	10648	[11269, 2412]
1430	[2603, 2604]	4503	[6561, 5486]	7576	[9288, 9289]	10649	[11270, 10027]
1431	[208, 2605]	4504	[6562, 46]	7577	[5170, 2957]	10650	[11271, 6793]
1432	[210, 2606]	4505	[2283, 5809]	7578	[9290, 5384]	10651	[247, 11272]
1433	[2607, 2608]	4506	[6563, 6564]	7579	[9205, 3030]	10652	[11273, 178]
1434	[2609, 2610]	4507	[5441, 6565]	7580	[6535, 9291]	10653	[771, 11274]
1435	[2502, 2611]	4508	[6566, 2605]	7581	[5111, 9292]	10654	[6876, 2492]
1436	[2079, 2612]	4509	[926, 6567]	7582	[9293, 198]	10655	[808, 2244]
1437	[2613, 2614]	4510	[5895, 6568]	7583	[9294, 9295]	10656	[11275, 2939]
1438	[2615, 2616]	4511	[6569, 1931]	7584	[2238, 9296]	10657	[6150, 11276]
1439	[2617, 2618]	4512	[6570, 5520]	7585	[5185, 9138]	10658	[11277, 9255]
1440	[2619, 2620]	4513	[653, 6571]	7586	[9297, 9298]	10659	[6432, 11278]
1441	[2621, 1812]	4514	[2737, 2550]	7587	[2723, 5665]	10660	[6441, 2462]

1442	[2622, 2550]	4515	[2458, 5987]	7588	[9299, 2806]	10661	[11279, 5904]
1443	[2623, 2253]	4516	[2469, 2817]	7589	[53, 9300]	10662	[5794, 6397]
1444	[2624, 2625]	4517	[6572, 129]	7590	[9301, 8833]	10663	[5102, 11280]
1445	[2626, 2627]	4518	[2032, 6573]	7591	[9302, 712]	10664	[11281, 2696]
1446	[2628, 2629]	4519	[180, 789]	7592	[9303, 2328]	10665	[6918, 6374]
1447	[2630, 881]	4520	[6574, 6575]	7593	[788, 9304]	10666	[11282, 6002]
1448	[236, 2631]	4521	[6576, 6156]	7594	[9305, 5949]	10667	[1896, 11283]
1449	[2632, 2633]	4522	[6577, 6578]	7595	[2758, 2400]	10668	[2912, 6024]
1450	[2634, 2601]	4523	[5356, 6579]	7596	[5175, 9306]	10669	[6853, 6670]
1451	[2635, 2636]	4524	[6222, 6580]	7597	[9307, 5382]	10670	[11284, 9353]
1452	[2637, 1916]	4525	[6581, 5272]	7598	[9308, 1856]	10671	[11285, 9252]
1453	[2638, 2639]	4526	[6383, 3090]	7599	[9309, 5536]	10672	[11286, 868]
1454	[2640, 1933]	4527	[2721, 6582]	7600	[5172, 2272]	10673	[11226, 5187]
1455	[2641, 2642]	4528	[827, 6583]	7601	[5033, 833]	10674	[11287, 8962]
1456	[2643, 2644]	4529	[6584, 6585]	7602	[9310, 927]	10675	[9940, 9383]
1457	[2645, 2646]	4530	[6586, 5172]	7603	[2229, 9311]	10676	[11288, 8971]
1458	[2647, 2648]	4531	[6587, 6094]	7604	[2399, 9312]	10677	[6511, 6932]
1459	[582, 2649]	4532	[5160, 6588]	7605	[760, 9313]	10678	[11289, 6113]
1460	[2538, 191]	4533	[6111, 6589]	7606	[5074, 2299]	10679	[11290, 2574]
1461	[2650, 2575]	4534	[6590, 5548]	7607	[5491, 3107]	10680	[2805, 9063]
1462	[2651, 922]	4535	[6591, 2694]	7608	[2551, 5210]	10681	[2637, 6010]
1463	[2652, 2269]	4536	[6592, 6593]	7609	[8819, 5763]	10682	[61, 11291]
1464	[2653, 2654]	4537	[6594, 6595]	7610	[5462, 9314]	10683	[11292, 10943]
1465	[2655, 1932]	4538	[6504, 701]	7611	[9315, 2602]	10684	[4993, 11293]
1466	[2656, 2657]	4539	[2939, 6596]	7612	[9316, 9137]	10685	[11294, 5287]
1467	[2658, 2659]	4540	[2479, 6597]	7613	[1837, 9317]	10686	[9865, 11162]
1468	[2660, 1889]	4541	[6598, 2442]	7614	[9318, 5787]	10687	[8966, 11295]
1469	[2661, 2662]	4542	[6599, 6600]	7615	[9319, 6288]	10688	[11296, 5097]
1470	[2663, 2664]	4543	[6601, 6602]	7616	[9320, 6745]	10689	[11297, 6850]
1471	[2665, 2666]	4544	[6603, 6604]	7617	[9321, 9322]	10690	[11298, 6130]
1472	[2667, 2668]	4545	[6605, 2656]	7618	[9273, 9323]	10691	[5369, 2153]
1473	[2669, 2244]	4546	[6606, 2114]	7619	[9324, 823]	10692	[11299, 5544]
1474	[1843, 2670]	4547	[6607, 2197]	7620	[9325, 5149]	10693	[5287, 6537]
1475	[2671, 2222]	4548	[6608, 6609]	7621	[9326, 9327]	10694	[11300, 2070]
1476	[2672, 2673]	4549	[5772, 188]	7622	[9281, 9328]	10695	[6647, 2248]
1477	[2674, 2675]	4550	[9, 6610]	7623	[9329, 9330]	10696	[11301, 10020]
1478	[2676, 2677]	4551	[6611, 5282]	7624	[3041, 5427]	10697	[11302, 6281]
1479	[2678, 2679]	4552	[5997, 6612]	7625	[9331, 9332]	10698	[6908, 6643]
1480	[2680, 2681]	4553	[6613, 1853]	7626	[1999, 5399]	10699	[5212, 11303]
1481	[2682, 2683]	4554	[1887, 6614]	7627	[6519, 9333]	10700	[6627, 11304]
1482	[2208, 2684]	4555	[535, 6615]	7628	[5435, 708]	10701	[6685, 2961]
1483	[1891, 2685]	4556	[6616, 3054]	7629	[9334, 5370]	10702	[11305, 9139]
1484	[2686, 2687]	4557	[6318, 6617]	7630	[5271, 8918]	10703	[11306, 9137]
1485	[2688, 2689]	4558	[6618, 6287]	7631	[571, 9335]	10704	[10959, 546]

1486	[2690, 2691]	4559	[6619, 6620]	7632	[9336, 5929]	10705	[5382, 6384]
1487	[2692, 2693]	4560	[6621, 2739]	7633	[2789, 6083]	10706	[11307, 9831]
1488	[2694, 2695]	4561	[6464, 5818]	7634	[2270, 1999]	10707	[6181, 11308]
1489	[2696, 2697]	4562	[6622, 6623]	7635	[2563, 9337]	10708	[2812, 11309]
1490	[2698, 2699]	4563	[6624, 131]	7636	[9338, 5943]	10709	[593, 11310]
1491	[2700, 1819]	4564	[6625, 6626]	7637	[9098, 9339]	10710	[9533, 9230]
1492	[2299, 2701]	4565	[6627, 6628]	7638	[5295, 6955]	10711	[5266, 5731]
1493	[2702, 2703]	4566	[763, 6629]	7639	[9340, 179]	10712	[741, 11311]
1494	[2704, 2705]	4567	[5867, 946]	7640	[2581, 1979]	10713	[2235, 11024]
1495	[2706, 640]	4568	[6630, 6631]	7641	[8826, 6181]	10714	[6343, 11312]
1496	[2707, 2708]	4569	[5243, 6632]	7642	[743, 9341]	10715	[11313, 197]
1497	[2709, 2710]	4570	[6633, 6634]	7643	[9342, 5812]	10716	[11314, 9124]
1498	[2275, 2711]	4571	[1911, 5697]	7644	[1842, 9343]	10717	[9827, 629]
1499	[2712, 2713]	4572	[6489, 5587]	7645	[6398, 863]	10718	[494, 2979]
1500	[2714, 2715]	4573	[6514, 5824]	7646	[9294, 9344]	10719	[11315, 9457]
1501	[2716, 2717]	4574	[6635, 6001]	7647	[6310, 160]	10720	[1876, 5954]
1502	[2718, 2719]	4575	[2543, 6636]	7648	[2584, 9345]	10721	[11316, 6846]
1503	[2209, 812]	4576	[6637, 2880]	7649	[5413, 5190]	10722	[11317, 3057]
1504	[2720, 2721]	4577	[6283, 6638]	7650	[9346, 839]	10723	[11318, 10069]
1505	[527, 2722]	4578	[6058, 5111]	7651	[9347, 9348]	10724	[11248, 11319]
1506	[2723, 2322]	4579	[671, 5111]	7652	[9349, 2919]	10725	[913, 11320]
1507	[2724, 1902]	4580	[3032, 6639]	7653	[5537, 825]	10726	[11230, 5473]
1508	[2725, 2726]	4581	[6640, 5451]	7654	[9350, 784]	10727	[11321, 9430]
1509	[2727, 663]	4582	[6607, 6174]	7655	[589, 9198]	10728	[11322, 10094]
1510	[695, 2728]	4583	[782, 6641]	7656	[2595, 9351]	10729	[11323, 5447]
1511	[699, 2729]	4584	[5045, 5663]	7657	[9352, 9353]	10730	[11324, 5407]
1512	[2730, 2731]	4585	[6642, 6008]	7658	[9354, 6469]	10731	[8970, 11325]
1513	[2732, 2733]	4586	[6573, 5031]	7659	[6407, 9355]	10732	[11326, 9981]
1514	[2734, 2735]	4587	[6643, 5759]	7660	[9356, 9357]	10733	[5452, 11327]
1515	[2736, 1870]	4588	[643, 2496]	7661	[9358, 9359]	10734	[11328, 5748]
1516	[2314, 1936]	4589	[6644, 6645]	7662	[6747, 5055]	10735	[11329, 9665]
1517	[2737, 2738]	4590	[5879, 6646]	7663	[9360, 9361]	10736	[11330, 11331]
1518	[2739, 2740]	4591	[6647, 6648]	7664	[6030, 6255]	10737	[10968, 11332]
1519	[2741, 2742]	4592	[149, 2634]	7665	[2632, 6726]	10738	[9647, 6738]
1520	[774, 2743]	4593	[6649, 633]	7666	[9362, 948]	10739	[11333, 3114]
1521	[2744, 2745]	4594	[129, 912]	7667	[9363, 2468]	10740	[11334, 10991]
1522	[2746, 2747]	4595	[6650, 6137]	7668	[5358, 2547]	10741	[11335, 6518]
1523	[606, 2748]	4596	[5195, 5920]	7669	[9364, 5580]	10742	[692, 11336]
1524	[2749, 2750]	4597	[5986, 6651]	7670	[5255, 9365]	10743	[5325, 11337]
1525	[2751, 2752]	4598	[2037, 5294]	7671	[9366, 2790]	10744	[11338, 5878]
1526	[2753, 603]	4599	[2313, 1935]	7672	[9367, 9368]	10745	[9952, 11339]
1527	[2754, 2755]	4600	[5041, 6652]	7673	[9369, 5356]	10746	[5663, 8998]
1528	[623, 2756]	4601	[6653, 6654]	7674	[9370, 5816]	10747	[6833, 9287]
1529	[2757, 2758]	4602	[5637, 6655]	7675	[6110, 6690]	10748	[2926, 6944]

1530	[2759, 757]	4603	[2433, 6195]	7676	[9371, 732]	10749	[9369, 9678]
1531	[2760, 824]	4604	[6458, 6656]	7677	[9372, 1867]	10750	[3099, 11340]
1532	[2761, 2762]	4605	[6657, 2996]	7678	[5072, 9373]	10751	[9860, 2242]
1533	[2763, 800]	4606	[5804, 6658]	7679	[9374, 5484]	10752	[9922, 9307]
1534	[2764, 2765]	4607	[6659, 5225]	7680	[9375, 9376]	10753	[11341, 161]
1535	[2766, 627]	4608	[5357, 2002]	7681	[904, 9377]	10754	[9200, 11342]
1536	[2767, 2768]	4609	[6660, 789]	7682	[2770, 6322]	10755	[5594, 686]
1537	[2769, 2770]	4610	[674, 5118]	7683	[9378, 2107]	10756	[11343, 3012]
1538	[2771, 2772]	4611	[2872, 755]	7684	[2092, 9379]	10757	[898, 6491]
1539	[2773, 2774]	4612	[6661, 6095]	7685	[5982, 2863]	10758	[11344, 9298]
1540	[2775, 2776]	4613	[2040, 6662]	7686	[9380, 2800]	10759	[207, 6566]
1541	[2027, 2777]	4614	[824, 6663]	7687	[2821, 6282]	10760	[11345, 8817]
1542	[2778, 2779]	4615	[2736, 6664]	7688	[9381, 9382]	10761	[9997, 2453]
1543	[2780, 2781]	4616	[6665, 242]	7689	[9383, 6098]	10762	[9155, 11346]
1544	[2782, 2783]	4617	[6666, 2803]	7690	[2674, 9384]	10763	[9304, 10992]
1545	[2784, 2785]	4618	[6048, 6667]	7691	[9385, 5360]	10764	[6974, 11347]
1546	[2786, 2787]	4619	[6668, 6641]	7692	[9386, 9387]	10765	[11348, 927]
1547	[638, 2788]	4620	[130, 5041]	7693	[131, 9388]	10766	[11349, 11225]
1548	[2789, 2790]	4621	[6669, 6214]	7694	[9389, 2933]	10767	[6532, 11350]
1549	[2408, 2638]	4622	[2525, 2658]	7695	[9390, 9391]	10768	[644, 2497]
1550	[2791, 2792]	4623	[6670, 6671]	7696	[9392, 5768]	10769	[10117, 8999]
1551	[2793, 2640]	4624	[6622, 6672]	7697	[5588, 6758]	10770	[11351, 6161]
1552	[2794, 2238]	4625	[5119, 5608]	7698	[6069, 5551]	10771	[10087, 11352]
1553	[2795, 2796]	4626	[5890, 6673]	7699	[9393, 5798]	10772	[5510, 11353]
1554	[2725, 2797]	4627	[1945, 6674]	7700	[9394, 9053]	10773	[11354, 2629]
1555	[2798, 2799]	4628	[6675, 6241]	7701	[9395, 2092]	10774	[11355, 8955]
1556	[1809, 2800]	4629	[5806, 1910]	7702	[6159, 9396]	10775	[11356, 6320]
1557	[2801, 2802]	4630	[6676, 2311]	7703	[2352, 9397]	10776	[11357, 5540]
1558	[2803, 2804]	4631	[6677, 212]	7704	[9398, 1909]	10777	[6448, 1982]
1559	[2805, 2806]	4632	[6678, 2473]	7705	[5796, 6748]	10778	[6442, 11358]
1560	[888, 815]	4633	[5770, 6679]	7706	[9399, 6262]	10779	[8820, 9405]
1561	[146, 2005]	4634	[6680, 6681]	7707	[9400, 9401]	10780	[6015, 6387]
1562	[2807, 1992]	4635	[6682, 1800]	7708	[6824, 2365]	10781	[11114, 11359]
1563	[2504, 2808]	4636	[5546, 6683]	7709	[9287, 2896]	10782	[5753, 11360]
1564	[2809, 2810]	4637	[6684, 6262]	7710	[6663, 6181]	10783	[11361, 5291]
1565	[2811, 2673]	4638	[6685, 6686]	7711	[9402, 9403]	10784	[6061, 11362]
1566	[657, 2812]	4639	[2880, 2573]	7712	[5134, 2988]	10785	[9944, 1898]
1567	[2383, 2500]	4640	[2652, 5082]	7713	[6346, 9404]	10786	[918, 11363]
1568	[2813, 2109]	4641	[6687, 2245]	7714	[5570, 6105]	10787	[11364, 9357]
1569	[2814, 2815]	4642	[2684, 830]	7715	[9405, 1956]	10788	[2886, 11365]
1570	[2816, 2817]	4643	[5863, 6688]	7716	[6485, 9406]	10789	[11366, 6707]
1571	[564, 2818]	4644	[2984, 756]	7717	[628, 9407]	10790	[8863, 11367]
1572	[2819, 2820]	4645	[5829, 2905]	7718	[9408, 1929]	10791	[5562, 2030]
1573	[2821, 2731]	4646	[6689, 6690]	7719	[2415, 5543]	10792	[6004, 5505]

1574	[2822, 2823]	4647	[6691, 3046]	7720	[813, 9293]	10793	[9013, 9828]
1575	[2824, 2825]	4648	[6692, 2134]	7721	[1822, 9409]	10794	[11368, 6257]
1576	[2826, 2827]	4649	[6693, 5292]	7722	[5509, 9410]	10795	[11369, 5752]
1577	[45, 2828]	4650	[6694, 915]	7723	[1914, 5368]	10796	[11370, 11371]
1578	[2319, 2829]	4651	[5026, 6258]	7724	[907, 5801]	10797	[11022, 9385]
1579	[2830, 2018]	4652	[5725, 1901]	7725	[3066, 9411]	10798	[5244, 11372]
1580	[2831, 2832]	4653	[2307, 1797]	7726	[9412, 9413]	10799	[1975, 11373]
1581	[2833, 2834]	4654	[6695, 5174]	7727	[9414, 5685]	10800	[11374, 5628]
1582	[885, 2835]	4655	[6696, 1928]	7728	[9415, 161]	10801	[11375, 6638]
1583	[2526, 2659]	4656	[2318, 6697]	7729	[2300, 1917]	10802	[11376, 2517]
1584	[2836, 2837]	4657	[6698, 2848]	7730	[9416, 2705]	10803	[11377, 2981]
1585	[547, 2838]	4658	[6419, 5816]	7731	[9417, 6547]	10804	[890, 11378]
1586	[2839, 2131]	4659	[5624, 6699]	7732	[9418, 5626]	10805	[5361, 11379]
1587	[55, 2354]	4660	[6700, 6701]	7733	[9419, 6295]	10806	[2714, 816]
1588	[2840, 2524]	4661	[6702, 2696]	7734	[9132, 795]	10807	[11380, 11238]
1589	[2080, 2068]	4662	[6498, 6703]	7735	[3042, 5428]	10808	[11381, 10095]
1590	[2140, 2841]	4663	[6704, 195]	7736	[9408, 2521]	10809	[2581, 171]
1591	[169, 821]	4664	[6705, 6706]	7737	[9420, 9421]	10810	[11382, 6580]
1592	[2842, 2843]	4665	[6707, 5387]	7738	[9422, 9423]	10811	[6175, 11383]
1593	[2844, 2845]	4666	[6708, 6709]	7739	[9424, 6119]	10812	[11384, 2066]
1594	[2846, 2847]	4667	[5978, 2851]	7740	[2140, 9425]	10813	[2548, 11385]
1595	[2848, 606]	4668	[2954, 5313]	7741	[9426, 9427]	10814	[6619, 11386]
1596	[2849, 2850]	4669	[12, 5851]	7742	[707, 5000]	10815	[2873, 5460]
1597	[2851, 2852]	4670	[6710, 6711]	7743	[2037, 3073]	10816	[11387, 9467]
1598	[2853, 2854]	4671	[6712, 5105]	7744	[5589, 9428]	10817	[10093, 9334]
1599	[2855, 2856]	4672	[5584, 6713]	7745	[5783, 5607]	10818	[11388, 738]
1600	[2857, 2626]	4673	[6714, 2487]	7746	[9429, 5218]	10819	[11389, 3043]
1601	[2858, 1958]	4674	[6715, 1849]	7747	[9430, 45]	10820	[8912, 11390]
1602	[42, 2111]	4675	[6716, 2645]	7748	[927, 6017]	10821	[11391, 6162]
1603	[673, 2859]	4676	[6717, 5317]	7749	[5279, 2649]	10822	[11392, 155]
1604	[2860, 2861]	4677	[5089, 6718]	7750	[9431, 6140]	10823	[6339, 11393]
1605	[2862, 2863]	4678	[5920, 164]	7751	[141, 2404]	10824	[11394, 6975]
1606	[2864, 2865]	4679	[5106, 5558]	7752	[2339, 9432]	10825	[588, 11395]
1607	[144, 2866]	4680	[5949, 5244]	7753	[5635, 9433]	10826	[2380, 11396]
1608	[2867, 2594]	4681	[5519, 635]	7754	[6392, 9434]	10827	[10990, 11397]
1609	[2868, 2869]	4682	[6719, 5326]	7755	[9435, 9436]	10828	[11398, 9529]
1610	[2870, 145]	4683	[1989, 1807]	7756	[5882, 9437]	10829	[5929, 11399]
1611	[2871, 2546]	4684	[6720, 6721]	7757	[9418, 5565]	10830	[6344, 11216]
1612	[896, 2872]	4685	[6722, 5429]	7758	[6319, 9438]	10831	[9963, 11400]
1613	[2873, 2590]	4686	[5392, 519]	7759	[6105, 6157]	10832	[2570, 9835]
1614	[2874, 2875]	4687	[235, 6341]	7760	[9439, 9440]	10833	[11401, 9148]
1615	[2876, 2877]	4688	[6723, 6724]	7761	[5483, 9441]	10834	[2368, 11402]
1616	[2878, 2031]	4689	[6725, 6726]	7762	[9442, 9443]	10835	[6403, 6543]
1617	[2879, 2880]	4690	[6727, 611]	7763	[9444, 5963]	10836	[2767, 9531]

1618	[2881, 2882]	4691	[695, 6728]	7764	[9445, 9446]	10837	[6204, 11403]
1619	[2004, 2883]	4692	[6179, 5817]	7765	[9447, 5512]	10838	[11154, 1866]
1620	[2285, 2884]	4693	[2759, 5296]	7766	[9448, 9449]	10839	[886, 6814]
1621	[2885, 2186]	4694	[5873, 6729]	7767	[908, 933]	10840	[11404, 703]
1622	[2886, 2887]	4695	[2919, 6035]	7768	[6381, 811]	10841	[5666, 6500]
1623	[2888, 2576]	4696	[6730, 6665]	7769	[9450, 1851]	10842	[2358, 2661]
1624	[2889, 2188]	4697	[5996, 6731]	7770	[5881, 9451]	10843	[5543, 2669]
1625	[2288, 2890]	4698	[2607, 6524]	7771	[5391, 9452]	10844	[11405, 5877]
1626	[2891, 2303]	4699	[6732, 6733]	7772	[9453, 38]	10845	[2908, 11406]
1627	[528, 2304]	4700	[6266, 2837]	7773	[35, 6219]	10846	[11407, 2763]
1628	[2892, 2205]	4701	[6734, 2092]	7774	[6474, 506]	10847	[9568, 11408]
1629	[529, 2305]	4702	[614, 2672]	7775	[2148, 9454]	10848	[11409, 11083]
1630	[2444, 2893]	4703	[5658, 6735]	7776	[9455, 6390]	10849	[9684, 11410]
1631	[2894, 2895]	4704	[6736, 6737]	7777	[2234, 9456]	10850	[6274, 5843]
1632	[2896, 2897]	4705	[6738, 6624]	7778	[3095, 9457]	10851	[5895, 11411]
1633	[2898, 2144]	4706	[6739, 6740]	7779	[9390, 9458]	10852	[11412, 3094]
1634	[2157, 2899]	4707	[6741, 5761]	7780	[5650, 9459]	10853	[11413, 5945]
1635	[2900, 1966]	4708	[5200, 2561]	7781	[9460, 6079]	10854	[9673, 211]
1636	[2357, 554]	4709	[6723, 573]	7782	[5941, 9461]	10855	[9609, 10083]
1637	[2414, 2382]	4710	[6742, 2093]	7783	[2028, 5060]	10856	[2132, 775]
1638	[2901, 2902]	4711	[5783, 2347]	7784	[9462, 5907]	10857	[5505, 6834]
1639	[2903, 2904]	4712	[5083, 2179]	7785	[9463, 921]	10858	[11351, 5094]
1640	[190, 2670]	4713	[6743, 6162]	7786	[6324, 9464]	10859	[11414, 6120]
1641	[2905, 2906]	4714	[6744, 6745]	7787	[1871, 6213]	10860	[2436, 5171]
1642	[2907, 2908]	4715	[2906, 6746]	7788	[9465, 2341]	10861	[667, 11415]
1643	[238, 2909]	4716	[219, 6747]	7789	[2915, 9466]	10862	[5847, 5880]
1644	[2910, 705]	4717	[5208, 5733]	7790	[5502, 930]	10863	[2667, 5323]
1645	[2911, 2912]	4718	[5661, 2350]	7791	[8916, 9467]	10864	[11416, 6868]
1646	[2913, 2914]	4719	[5959, 6748]	7792	[9468, 5939]	10865	[8843, 6286]
1647	[2915, 2916]	4720	[6264, 6749]	7793	[2193, 9469]	10866	[9088, 11417]
1648	[2917, 2276]	4721	[6750, 6751]	7794	[6819, 5027]	10867	[2582, 11418]
1649	[2918, 2919]	4722	[5654, 6752]	7795	[162, 9470]	10868	[9710, 11184]
1650	[2920, 2071]	4723	[2512, 6753]	7796	[9471, 151]	10869	[11419, 2193]
1651	[2921, 2922]	4724	[6754, 928]	7797	[9472, 6437]	10870	[11420, 746]
1652	[2923, 60]	4725	[6755, 1891]	7798	[9473, 9324]	10871	[11421, 6134]
1653	[2924, 783]	4726	[6756, 6757]	7799	[9474, 8867]	10872	[11422, 2776]
1654	[2925, 894]	4727	[6758, 5201]	7800	[6050, 50]	10873	[11381, 11022]
1655	[2926, 918]	4728	[6759, 5540]	7801	[9475, 6843]	10874	[11423, 2317]
1656	[2927, 2928]	4729	[6760, 6218]	7802	[6543, 2867]	10875	[2523, 1862]
1657	[2929, 2930]	4730	[2361, 6761]	7803	[806, 6367]	10876	[2531, 11424]
1658	[2039, 2931]	4731	[5604, 2074]	7804	[2326, 5637]	10877	[2757, 2399]
1659	[2932, 2933]	4732	[6762, 192]	7805	[5940, 5453]	10878	[9965, 9905]
1660	[909, 2934]	4733	[6763, 6764]	7806	[2265, 9476]	10879	[11425, 5187]
1661	[2935, 799]	4734	[5280, 6582]	7807	[6955, 5391]	10880	[9688, 5247]

1662	[2936, 2937]	4735	[2121, 6765]	7808	[9167, 2764]	10881	[8959, 1872]
1663	[2938, 2939]	4736	[5888, 740]	7809	[9376, 573]	10882	[8976, 11426]
1664	[2465, 2940]	4737	[6766, 5932]	7810	[9477, 2397]	10883	[11427, 5778]
1665	[2941, 2942]	4738	[2020, 5415]	7811	[5715, 154]	10884	[5191, 9077]
1666	[2943, 2944]	4739	[5422, 6767]	7812	[9478, 5674]	10885	[9364, 11428]
1667	[2945, 821]	4740	[5282, 6229]	7813	[871, 6479]	10886	[6298, 6861]
1668	[2946, 131]	4741	[6135, 1803]	7814	[6956, 9452]	10887	[2753, 9303]
1669	[860, 2947]	4742	[6768, 2338]	7815	[2958, 9479]	10888	[823, 8825]
1670	[2948, 1825]	4743	[6769, 6770]	7816	[9225, 6333]	10889	[11429, 6403]
1671	[2508, 2949]	4744	[2604, 5224]	7817	[9480, 6577]	10890	[11430, 609]
1672	[2950, 2951]	4745	[6771, 2702]	7818	[9481, 2702]	10891	[11431, 890]
1673	[2952, 2953]	4746	[6772, 6773]	7819	[2705, 5164]	10892	[9472, 5532]
1674	[2954, 2955]	4747	[6163, 6457]	7820	[1922, 5783]	10893	[2070, 6108]
1675	[2956, 2957]	4748	[5334, 6774]	7821	[5270, 1921]	10894	[2082, 2292]
1676	[2958, 2959]	4749	[6775, 6189]	7822	[9482, 6809]	10895	[9755, 5924]
1677	[2960, 2961]	4750	[2921, 2986]	7823	[5602, 9483]	10896	[2797, 9939]
1678	[2962, 2963]	4751	[6776, 1885]	7824	[9105, 5418]	10897	[6059, 507]
1679	[2218, 13]	4752	[6777, 6778]	7825	[9035, 6972]	10898	[6525, 2139]
1680	[2964, 2965]	4753	[5081, 6740]	7826	[9484, 9485]	10899	[11432, 6409]
1681	[150, 2601]	4754	[5306, 6779]	7827	[9170, 9486]	10900	[11433, 11434]
1682	[507, 2966]	4755	[6780, 2460]	7828	[6130, 2231]	10901	[50, 11435]
1683	[2967, 2166]	4756	[2115, 2981]	7829	[6970, 9487]	10902	[11436, 9542]
1684	[2575, 2968]	4757	[5203, 3037]	7830	[9488, 6636]	10903	[11437, 6073]
1685	[663, 2296]	4758	[2000, 6781]	7831	[6482, 5255]	10904	[11438, 9268]
1686	[2969, 2970]	4759	[1817, 206]	7832	[9489, 9490]	10905	[11145, 2885]
1687	[2971, 2972]	4760	[6782, 6421]	7833	[2868, 9491]	10906	[49, 5657]
1688	[2973, 2974]	4761	[2764, 6783]	7834	[2715, 9492]	10907	[11079, 11439]
1689	[2975, 2976]	4762	[6784, 2436]	7835	[650, 237]	10908	[3082, 11440]
1690	[2977, 2978]	4763	[2791, 6785]	7836	[6302, 2813]	10909	[496, 11441]
1691	[2884, 2898]	4764	[6786, 6787]	7837	[5646, 5429]	10910	[227, 11442]
1692	[2979, 2980]	4765	[2684, 6788]	7838	[2709, 2712]	10911	[10996, 5835]
1693	[2981, 2982]	4766	[2412, 6789]	7839	[2770, 9493]	10912	[11443, 5249]
1694	[2983, 2637]	4767	[5145, 6790]	7840	[9494, 8911]	10913	[11444, 9026]
1695	[897, 2984]	4768	[5533, 6791]	7841	[9025, 9495]	10914	[11445, 5264]
1696	[2985, 2976]	4769	[6792, 6793]	7842	[9496, 806]	10915	[11200, 11083]
1697	[2983, 1915]	4770	[6794, 6795]	7843	[5022, 2435]	10916	[9501, 9186]
1698	[2986, 2987]	4771	[6796, 6797]	7844	[6501, 3120]	10917	[11446, 9940]
1699	[1802, 2988]	4772	[5057, 2199]	7845	[6091, 9497]	10918	[2952, 11447]
1700	[2989, 2990]	4773	[6798, 6177]	7846	[9359, 2008]	10919	[11448, 5307]
1701	[2991, 2917]	4774	[6799, 5920]	7847	[5831, 9498]	10920	[2609, 11449]
1702	[2992, 2993]	4775	[5526, 6025]	7848	[5044, 6755]	10921	[9904, 9124]
1703	[2994, 2995]	4776	[5316, 5231]	7849	[6276, 9499]	10922	[11450, 6945]
1704	[2996, 2997]	4777	[6800, 2278]	7850	[5531, 9500]	10923	[11451, 2653]
1705	[2998, 2999]	4778	[1882, 6801]	7851	[5324, 8991]	10924	[11452, 11453]

1706	[3000, 3001]	4779	[6802, 6555]	7852	[5710, 9175]	10925	[11454, 5369]
1707	[2863, 187]	4780	[6803, 2796]	7853	[5763, 699]	10926	[11214, 5670]
1708	[3002, 3003]	4781	[646, 3049]	7854	[8891, 6682]	10927	[6192, 11455]
1709	[3004, 931]	4782	[6804, 6550]	7855	[6090, 2106]	10928	[11456, 1840]
1710	[3005, 3006]	4783	[6805, 6806]	7856	[6906, 6215]	10929	[11457, 9867]
1711	[2050, 2005]	4784	[6807, 511]	7857	[5338, 9501]	10930	[6856, 5703]
1712	[3007, 3008]	4785	[6808, 6809]	7858	[9502, 8989]	10931	[11458, 5013]
1713	[222, 3009]	4786	[2659, 5477]	7859	[6353, 2415]	10932	[5103, 11459]
1714	[2206, 3010]	4787	[2837, 6522]	7860	[9206, 3031]	10933	[11460, 9888]
1715	[3011, 3012]	4788	[6300, 2727]	7861	[9503, 9504]	10934	[9302, 8982]
1716	[3013, 3014]	4789	[5911, 518]	7862	[9505, 1895]	10935	[2161, 11461]
1717	[136, 2820]	4790	[5848, 6810]	7863	[9506, 4996]	10936	[11462, 2583]
1718	[3015, 3016]	4791	[6811, 6812]	7864	[6165, 819]	10937	[5347, 9636]
1719	[3017, 3018]	4792	[2568, 229]	7865	[5371, 9507]	10938	[6583, 9108]
1720	[143, 3019]	4793	[6813, 6814]	7866	[5344, 5301]	10939	[9372, 11463]
1721	[166, 3020]	4794	[6815, 6816]	7867	[9508, 890]	10940	[11464, 8958]
1722	[2798, 3021]	4795	[6817, 6818]	7868	[9509, 5386]	10941	[11465, 5277]
1723	[3022, 3023]	4796	[6569, 2655]	7869	[2288, 898]	10942	[11466, 2516]
1724	[3024, 3025]	4797	[2282, 6819]	7870	[9510, 1846]	10943	[11467, 4614]
1725	[3026, 3027]	4798	[6711, 2847]	7871	[9511, 150]	10944	[11468, 3426]
1726	[2707, 934]	4799	[6820, 5794]	7872	[5836, 9268]	10945	[7621, 8747]
1727	[3028, 3029]	4800	[6027, 6821]	7873	[9512, 3119]	10946	[11469, 8711]
1728	[3030, 3031]	4801	[6186, 6822]	7874	[6022, 5373]	10947	[7589, 7944]
1729	[3032, 3033]	4802	[2494, 6823]	7875	[1829, 9513]	10948	[10448, 7283]
1730	[3034, 3035]	4803	[6143, 5033]	7876	[9514, 249]	10949	[7384, 4807]
1731	[3036, 2046]	4804	[5461, 6439]	7877	[9515, 217]	10950	[8106, 7493]
1732	[3037, 3038]	4805	[6767, 5258]	7878	[9516, 6409]	10951	[1249, 11470]
1733	[2910, 3039]	4806	[6047, 6691]	7879	[9326, 9517]	10952	[4753, 345]
1734	[3040, 2783]	4807	[5998, 6824]	7880	[9518, 741]	10953	[3795, 11471]
1735	[3041, 3042]	4808	[127, 5167]	7881	[9519, 9464]	10954	[484, 7073]
1736	[3043, 752]	4809	[6825, 6826]	7882	[534, 9520]	10955	[3652, 3555]
1737	[3044, 739]	4810	[2608, 2858]	7883	[2212, 9513]	10956	[3200, 1762]
1738	[2825, 3045]	4811	[5955, 5128]	7884	[9521, 5411]	10957	[3839, 8651]
1739	[3046, 3047]	4812	[6827, 6828]	7885	[9522, 8920]	10958	[473, 7074]
1740	[3048, 3049]	4813	[6691, 6829]	7886	[2579, 9446]	10959	[10777, 1063]
1741	[3050, 3051]	4814	[6830, 5353]	7887	[9523, 1869]	10960	[7806, 89]
1742	[3052, 2639]	4815	[1967, 6831]	7888	[597, 9524]	10961	[1745, 8642]
1743	[1858, 2371]	4816	[6832, 2390]	7889	[1861, 9525]	10962	[11472, 8191]
1744	[3053, 3054]	4817	[6833, 5878]	7890	[9292, 2456]	10963	[11473, 8522]
1745	[2712, 3055]	4818	[6834, 6835]	7891	[9526, 9105]	10964	[11474, 4307]
1746	[1975, 2681]	4819	[1802, 6836]	7892	[6465, 9527]	10965	[8558, 4444]
1747	[3056, 2889]	4820	[6795, 5735]	7893	[2635, 183]	10966	[3474, 4380]
1748	[3057, 2288]	4821	[142, 2405]	7894	[9528, 182]	10967	[11475, 7317]
1749	[3058, 3059]	4822	[2246, 6837]	7895	[6834, 8843]	10968	[4877, 10560]

1750	[939, 3060]	4823	[6838, 6839]	7896	[9529, 871]	10969	[11476, 8100]
1751	[3061, 2197]	4824	[6840, 6410]	7897	[2878, 9530]	10970	[4596, 3885]
1752	[3062, 3063]	4825	[5202, 6841]	7898	[9531, 5057]	10971	[3478, 3996]
1753	[3064, 3065]	4826	[2540, 6842]	7899	[774, 9532]	10972	[10415, 3620]
1754	[3066, 3067]	4827	[1798, 6843]	7900	[9533, 6707]	10973	[11477, 3464]
1755	[3068, 2189]	4828	[5249, 6844]	7901	[9426, 9534]	10974	[8587, 11478]
1756	[1929, 803]	4829	[2787, 6151]	7902	[747, 9535]	10975	[4403, 991]
1757	[3069, 3070]	4830	[6845, 5268]	7903	[9536, 671]	10976	[10769, 7198]
1758	[3008, 3071]	4831	[805, 3091]	7904	[9537, 9291]	10977	[8374, 11479]
1759	[2229, 3072]	4832	[721, 1989]	7905	[9538, 9539]	10978	[1146, 8182]
1760	[3073, 2881]	4833	[6793, 6092]	7906	[9540, 2920]	10979	[11480, 7654]
1761	[3074, 3075]	4834	[2141, 6846]	7907	[5318, 9145]	10980	[3608, 4399]
1762	[3076, 3077]	4835	[6847, 6182]	7908	[5861, 166]	10981	[11481, 8176]
1763	[3078, 3079]	4836	[6848, 6849]	7909	[5894, 9159]	10982	[3803, 7612]
1764	[702, 3080]	4837	[6850, 250]	7910	[9541, 9133]	10983	[11482, 7529]
1765	[3081, 2579]	4838	[929, 6851]	7911	[9073, 9542]	10984	[10393, 3758]
1766	[3082, 3083]	4839	[2710, 2713]	7912	[6481, 2920]	10985	[1041, 11483]
1767	[3084, 3085]	4840	[6852, 5778]	7913	[6359, 6807]	10986	[4669, 3287]
1768	[3086, 2279]	4841	[2176, 2756]	7914	[9543, 1981]	10987	[255, 7632]
1769	[3087, 3088]	4842	[6853, 6854]	7915	[9544, 5516]	10988	[4204, 10548]
1770	[3089, 3090]	4843	[2844, 6855]	7916	[9545, 9546]	10989	[1259, 8476]
1771	[3091, 3092]	4844	[6414, 2804]	7917	[6395, 3078]	10990	[443, 10250]
1772	[3093, 3094]	4845	[6856, 6259]	7918	[6959, 9436]	10991	[11484, 8755]
1773	[3095, 3096]	4846	[6219, 6693]	7919	[9547, 9548]	10992	[1476, 1175]
1774	[3097, 3098]	4847	[2443, 570]	7920	[6295, 6480]	10993	[8249, 11485]
1775	[3099, 3100]	4848	[2860, 868]	7921	[920, 9549]	10994	[7999, 11486]
1776	[762, 733]	4849	[6857, 2879]	7922	[5935, 5639]	10995	[11487, 4888]
1777	[2651, 3101]	4850	[6858, 3004]	7923	[9550, 2524]	10996	[3230, 7711]
1778	[2242, 3102]	4851	[6859, 6860]	7924	[5943, 2545]	10997	[11488, 10563]
1779	[2853, 3103]	4852	[6861, 6862]	7925	[6343, 6964]	10998	[1080, 7350]
1780	[3104, 2291]	4853	[2824, 6863]	7926	[9551, 6790]	10999	[10873, 7218]
1781	[2449, 3105]	4854	[6864, 2012]	7927	[9552, 180]	11000	[11489, 7038]
1782	[3106, 3107]	4855	[6865, 6866]	7928	[9553, 577]	11001	[11490, 4495]
1783	[3108, 538]	4856	[6572, 2785]	7929	[9554, 9555]	11002	[7996, 11491]
1784	[3109, 3110]	4857	[6867, 6868]	7930	[2019, 5414]	11003	[4533, 7399]
1785	[3111, 3112]	4858	[6700, 3069]	7931	[6356, 6495]	11004	[7388, 11492]
1786	[1936, 2172]	4859	[237, 5219]	7932	[9378, 2009]	11005	[3126, 3377]
1787	[3113, 2080]	4860	[6869, 6870]	7933	[6333, 9556]	11006	[462, 7301]
1788	[3114, 2140]	4861	[1953, 6871]	7934	[9557, 2900]	11007	[11493, 3757]
1789	[3115, 3116]	4862	[6872, 2296]	7935	[2716, 9558]	11008	[7185, 3950]
1790	[1958, 3117]	4863	[755, 2692]	7936	[558, 5892]	11009	[7796, 3563]
1791	[3118, 3119]	4864	[6873, 6383]	7937	[136, 9559]	11010	[7837, 11494]
1792	[2216, 3120]	4865	[6874, 6875]	7938	[9216, 6934]	11011	[11495, 3546]
1793	[3121, 3122]	4866	[2411, 2056]	7939	[6209, 9560]	11012	[10915, 4779]

1794	[3123, 446]	4867	[6876, 6877]	7940	[5842, 1886]	11013	[4070, 11496]
1795	[308, 3124]	4868	[6878, 5109]	7941	[2199, 9561]	11014	[3775, 11497]
1796	[3125, 405]	4869	[5048, 5958]	7942	[9562, 2158]	11015	[7847, 11498]
1797	[3126, 3127]	4870	[6879, 5192]	7943	[9563, 655]	11016	[3268, 11499]
1798	[3128, 1760]	4871	[5754, 3044]	7944	[8846, 5615]	11017	[1344, 7870]
1799	[1563, 3129]	4872	[6880, 586]	7945	[9564, 2761]	11018	[10937, 11500]
1800	[3130, 3131]	4873	[6881, 5245]	7946	[555, 2513]	11019	[319, 3518]
1801	[3132, 3133]	4874	[6174, 6882]	7947	[5234, 9380]	11020	[4276, 7054]
1802	[3134, 3135]	4875	[6883, 5304]	7948	[6488, 5586]	11021	[4258, 11501]
1803	[3136, 3137]	4876	[6884, 5773]	7949	[2072, 9565]	11022	[10184, 10835]
1804	[3138, 3139]	4877	[6885, 6886]	7950	[6013, 2213]	11023	[4265, 10832]
1805	[3140, 3141]	4878	[2647, 2173]	7951	[9110, 9566]	11024	[11502, 1463]
1806	[3142, 3143]	4879	[2223, 6887]	7952	[5534, 9567]	11025	[4488, 8731]
1807	[3144, 3145]	4880	[5343, 6128]	7953	[870, 9419]	11026	[7581, 8707]
1808	[454, 3146]	4881	[5238, 6755]	7954	[8828, 2946]	11027	[4324, 11503]
1809	[3147, 3148]	4882	[5801, 2707]	7955	[9568, 9569]	11028	[8678, 11504]
1810	[3149, 3150]	4883	[6828, 6356]	7956	[9570, 6343]	11029	[7202, 11505]
1811	[3151, 3152]	4884	[5897, 6888]	7957	[9571, 9572]	11030	[1712, 8402]
1812	[3153, 3154]	4885	[520, 773]	7958	[5786, 9573]	11031	[7541, 11506]
1813	[3155, 3156]	4886	[6889, 630]	7959	[5686, 2419]	11032	[7647, 110]
1814	[3157, 70]	4887	[2936, 6890]	7960	[1846, 9574]	11033	[8274, 11507]
1815	[1179, 3158]	4888	[5462, 6440]	7961	[9575, 9576]	11034	[11508, 3255]
1816	[3159, 3160]	4889	[6336, 6891]	7962	[1927, 9577]	11035	[7471, 3759]
1817	[1178, 3161]	4890	[5404, 6892]	7963	[2256, 9578]	11036	[4825, 11509]
1818	[3162, 3163]	4891	[5593, 6893]	7964	[9579, 1877]	11037	[11510, 7543]
1819	[3164, 467]	4892	[2186, 6531]	7965	[2812, 9580]	11038	[7005, 382]
1820	[3165, 3166]	4893	[6894, 6895]	7966	[9377, 559]	11039	[11511, 4658]
1821	[3167, 1156]	4894	[5373, 6896]	7967	[5281, 6635]	11040	[11512, 7082]
1822	[3168, 3169]	4895	[6897, 6898]	7968	[9581, 5495]	11041	[4788, 11513]
1823	[3170, 3171]	4896	[6899, 6900]	7969	[5214, 2251]	11042	[7982, 11514]
1824	[3172, 3173]	4897	[6901, 6902]	7970	[2349, 5077]	11043	[7627, 11515]
1825	[3174, 1347]	4898	[6903, 2557]	7971	[9582, 5443]	11044	[1347, 4542]
1826	[3175, 3176]	4899	[6904, 5327]	7972	[6555, 5916]	11045	[11516, 8506]
1827	[3177, 1095]	4900	[6905, 6835]	7973	[2492, 3000]	11046	[277, 11517]
1828	[3178, 3179]	4901	[6906, 3020]	7974	[9241, 5349]	11047	[4214, 7427]
1829	[3180, 3181]	4902	[6265, 2836]	7975	[9347, 2482]	11048	[11518, 4222]
1830	[3182, 3183]	4903	[6881, 547]	7976	[2786, 6150]	11049	[3818, 11519]
1831	[3129, 3184]	4904	[214, 2839]	7977	[9583, 8846]	11050	[7424, 7237]
1832	[3185, 3186]	4905	[177, 6907]	7978	[9544, 6168]	11051	[8791, 1161]
1833	[3187, 3188]	4906	[6818, 5339]	7979	[5950, 9584]	11052	[4231, 1290]
1834	[3189, 3190]	4907	[6587, 2597]	7980	[2897, 5863]	11053	[1208, 11520]
1835	[3191, 3192]	4908	[6908, 2039]	7981	[2086, 9585]	11054	[4918, 420]
1836	[3193, 1271]	4909	[6909, 2997]	7982	[715, 9586]	11055	[1577, 11521]
1837	[28, 3194]	4910	[1898, 6910]	7983	[5887, 2815]	11056	[11522, 4826]

1838	[30, 3127]	4911	[561, 645]	7984	[9587, 515]	11057	[4561, 7393]
1839	[3195, 3196]	4912	[2722, 5756]	7985	[9588, 9589]	11058	[1598, 1472]
1840	[3197, 3198]	4913	[1948, 6911]	7986	[5730, 9590]	11059	[11523, 402]
1841	[3199, 3200]	4914	[6912, 5911]	7987	[9591, 668]	11060	[7300, 1779]
1842	[3201, 1447]	4915	[6913, 6914]	7988	[9592, 8903]	11061	[8174, 11524]
1843	[1120, 3202]	4916	[2405, 5322]	7989	[6867, 6435]	11062	[11525, 3318]
1844	[3203, 3204]	4917	[5414, 6915]	7990	[5964, 6774]	11063	[1388, 11526]
1845	[3205, 3206]	4918	[2904, 6916]	7991	[6421, 2498]	11064	[10344, 10567]
1846	[3207, 3208]	4919	[6917, 6019]	7992	[9593, 5603]	11065	[1567, 11527]
1847	[3209, 3210]	4920	[6918, 6919]	7993	[5367, 9594]	11066	[1391, 11528]
1848	[3211, 3212]	4921	[5169, 2956]	7994	[9595, 2627]	11067	[11529, 3969]
1849	[3213, 1420]	4922	[6835, 6618]	7995	[2442, 569]	11068	[4053, 10526]
1850	[3214, 1714]	4923	[2646, 5799]	7996	[2374, 9596]	11069	[11530, 8797]
1851	[3215, 3216]	4924	[6734, 6742]	7997	[5947, 583]	11070	[11531, 10509]
1852	[3217, 3218]	4925	[6920, 6921]	7998	[5976, 6366]	11071	[3861, 11532]
1853	[3219, 3220]	4926	[2577, 1978]	7999	[2704, 856]	11072	[4426, 11533]
1854	[3221, 3222]	4927	[2557, 5841]	8000	[5084, 5606]	11073	[11534, 10841]
1855	[3223, 958]	4928	[913, 6652]	8001	[9597, 555]	11074	[26, 11535]
1856	[3224, 1788]	4929	[6914, 2626]	8002	[9248, 6146]	11075	[4898, 7994]
1857	[3225, 1244]	4930	[3084, 6922]	8003	[160, 9598]	11076	[7354, 11536]
1858	[3226, 3227]	4931	[6923, 6924]	8004	[6450, 9599]	11077	[3722, 4721]
1859	[3228, 3229]	4932	[6362, 6115]	8005	[3004, 1863]	11078	[8725, 4662]
1860	[3230, 3231]	4933	[6891, 2308]	8006	[5560, 9600]	11079	[4126, 7226]
1861	[3232, 3233]	4934	[2304, 5784]	8007	[6479, 5680]	11080	[3747, 4425]
1862	[1188, 3234]	4935	[6396, 6925]	8008	[9601, 9602]	11081	[975, 1571]
1863	[3235, 3236]	4936	[6926, 6364]	8009	[6089, 2105]	11082	[1157, 11537]
1864	[3237, 3238]	4937	[6450, 6927]	8010	[797, 9603]	11083	[8684, 7362]
1865	[1778, 3239]	4938	[6701, 5156]	8011	[6779, 9188]	11084	[7936, 3858]
1866	[3240, 3241]	4939	[2097, 6245]	8012	[2776, 5039]	11085	[3355, 11538]
1867	[3242, 1011]	4940	[6928, 677]	8013	[9604, 6699]	11086	[4873, 4453]
1868	[3243, 3244]	4941	[5419, 6929]	8014	[4997, 9169]	11087	[3883, 7715]
1869	[3245, 3246]	4942	[6542, 2041]	8015	[9605, 2004]	11088	[4079, 11539]
1870	[3247, 1672]	4943	[2650, 2888]	8016	[500, 644]	11089	[7325, 8701]
1871	[3248, 3249]	4944	[1904, 6930]	8017	[9606, 6309]	11090	[11540, 7470]
1872	[3250, 3251]	4945	[6931, 2709]	8018	[9607, 9511]	11091	[11541, 3717]
1873	[3252, 3253]	4946	[6932, 3060]	8019	[552, 6650]	11092	[4154, 10935]
1874	[3254, 3255]	4947	[6933, 6934]	8020	[9608, 6194]	11093	[8120, 3777]
1875	[3256, 3257]	4948	[6935, 6936]	8021	[9609, 9329]	11094	[7444, 11542]
1876	[1551, 3258]	4949	[6937, 6938]	8022	[6303, 8940]	11095	[8096, 1009]
1877	[3259, 3260]	4950	[2833, 2983]	8023	[9610, 2623]	11096	[8621, 11543]
1878	[3261, 1115]	4951	[5600, 6939]	8024	[5314, 9611]	11097	[4848, 11544]
1879	[3262, 3263]	4952	[2801, 6940]	8025	[5990, 9204]	11098	[392, 11545]
1880	[3264, 3265]	4953	[6941, 6331]	8026	[700, 9612]	11099	[8068, 7392]
1881	[3266, 3267]	4954	[38, 6942]	8027	[1862, 8922]	11100	[1244, 4568]

1882	[3268, 3269]	4955	[5254, 5527]	8028	[9469, 5618]	11101	[451, 7655]
1883	[3270, 3271]	4956	[5982, 6943]	8029	[9613, 859]	11102	[3640, 11546]
1884	[3272, 3273]	4957	[6944, 919]	8030	[9614, 2269]	11103	[3679, 8328]
1885	[3274, 81]	4958	[6294, 2088]	8031	[2739, 9615]	11104	[10686, 4049]
1886	[3275, 3276]	4959	[2566, 6945]	8032	[9616, 3105]	11105	[3513, 7788]
1887	[3277, 3278]	4960	[6946, 6947]	8033	[2997, 9617]	11106	[4266, 11547]
1888	[3279, 3280]	4961	[498, 237]	8034	[9618, 6347]	11107	[8751, 4370]
1889	[3281, 3282]	4962	[5184, 6948]	8035	[9069, 6200]	11108	[11548, 7201]
1890	[3283, 3284]	4963	[6949, 561]	8036	[678, 9619]	11109	[991, 11549]
1891	[3285, 3286]	4964	[1931, 2663]	8037	[2861, 869]	11110	[4192, 7608]
1892	[3287, 979]	4965	[6950, 6951]	8038	[5385, 9620]	11111	[1195, 1679]
1893	[3288, 3289]	4966	[6952, 5722]	8039	[9621, 9622]	11112	[4494, 10411]
1894	[3191, 3290]	4967	[5147, 5643]	8040	[8947, 3052]	11113	[7682, 11550]
1895	[3291, 3292]	4968	[6943, 5772]	8041	[9623, 5583]	11114	[4550, 11551]
1896	[3293, 3294]	4969	[6953, 6441]	8042	[9624, 1924]	11115	[10807, 1176]
1897	[3295, 3296]	4970	[2191, 6954]	8043	[5656, 9625]	11116	[4720, 11552]
1898	[3297, 3298]	4971	[6955, 6956]	8044	[2474, 9626]	11117	[3609, 10916]
1899	[3299, 1561]	4972	[5038, 2762]	8045	[9627, 9628]	11118	[4294, 325]
1900	[3300, 1555]	4973	[2626, 2873]	8046	[6472, 9629]	11119	[4970, 11553]
1901	[3301, 3302]	4974	[188, 2410]	8047	[5575, 5234]	11120	[7607, 3877]
1902	[3303, 1308]	4975	[6957, 6958]	8048	[8897, 9274]	11121	[11554, 10413]
1903	[3304, 3305]	4976	[6959, 6960]	8049	[9630, 9631]	11122	[11555, 4719]
1904	[1203, 1053]	4977	[6961, 6433]	8050	[9632, 558]	11123	[1445, 1790]
1905	[3306, 3307]	4978	[1874, 6962]	8051	[6280, 6274]	11124	[10910, 3498]
1906	[3246, 3308]	4979	[6963, 6964]	8052	[5521, 9633]	11125	[11556, 7933]
1907	[3309, 3310]	4980	[6965, 6966]	8053	[1997, 2640]	11126	[8385, 7365]
1908	[3311, 3312]	4981	[785, 6967]	8054	[931, 9634]	11127	[460, 473]
1909	[3313, 3314]	4982	[5953, 2425]	8055	[9635, 5792]	11128	[3714, 10329]
1910	[3315, 3316]	4983	[6968, 5902]	8056	[9636, 9637]	11129	[11557, 7086]
1911	[3317, 1450]	4984	[1917, 1919]	8057	[9638, 2382]	11130	[7655, 1092]
1912	[3318, 3319]	4985	[2219, 6521]	8058	[9639, 6696]	11131	[11558, 10896]
1913	[3320, 3321]	4986	[6969, 5308]	8059	[240, 8851]	11132	[10781, 1389]
1914	[3322, 3323]	4987	[6970, 1874]	8060	[9640, 5672]	11133	[11559, 8712]
1915	[3324, 3325]	4988	[6713, 6971]	8061	[5088, 6088]	11134	[4495, 11560]
1916	[3326, 3327]	4989	[5093, 6972]	8062	[5505, 6905]	11135	[7575, 4590]
1917	[3328, 3329]	4990	[6973, 6467]	8063	[2298, 2096]	11136	[1767, 11561]
1918	[3330, 3331]	4991	[6974, 6975]	8064	[9465, 2167]	11137	[1365, 1111]
1919	[3332, 3333]	4992	[6976, 3870]	8065	[9641, 6928]	11138	[1075, 11562]
1920	[3329, 3334]	4993	[6977, 6978]	8066	[9642, 6164]	11139	[11563, 1668]
1921	[3335, 3336]	4994	[1761, 3831]	8067	[9643, 9644]	11140	[10186, 7259]
1922	[3337, 3253]	4995	[6979, 6980]	8068	[3027, 9394]	11141	[4456, 10170]
1923	[1627, 1243]	4996	[6981, 4085]	8069	[9645, 9646]	11142	[3767, 11564]
1924	[3338, 3339]	4997	[4240, 4442]	8070	[9647, 8828]	11143	[11565, 10535]
1925	[3340, 3341]	4998	[6982, 3723]	8071	[6305, 6924]	11144	[7651, 1376]

1926	[3207, 1127]	4999	[3631, 6983]	8072	[9648, 3074]	11145	[8141, 3754]
1927	[3342, 3343]	5000	[6984, 1303]	8073	[9649, 510]	11146	[3171, 3468]
1928	[3344, 1532]	5001	[1363, 3955]	8074	[9650, 2195]	11147	[11566, 4832]
1929	[83, 1006]	5002	[4616, 6985]	8075	[9651, 1848]	11148	[10555, 10655]
1930	[3345, 3346]	5003	[6986, 6987]	8076	[8947, 2638]	11149	[3317, 11567]
1931	[3347, 3348]	5004	[6988, 6989]	8077	[2351, 5767]	11150	[11568, 4157]
1932	[3349, 3350]	5005	[6990, 6991]	8078	[9652, 5623]	11151	[4358, 7452]
1933	[3351, 3352]	5006	[6992, 6993]	8079	[222, 9653]	11152	[11569, 1721]
1934	[3353, 3354]	5007	[6994, 6995]	8080	[6281, 6275]	11153	[10146, 7531]
1935	[3355, 3356]	5008	[6996, 6997]	8081	[1798, 9654]	11154	[1503, 3242]
1936	[3357, 1048]	5009	[6998, 6999]	8082	[9038, 6786]	11155	[4424, 11570]
1937	[3358, 3359]	5010	[7000, 7001]	8083	[6648, 1821]	11156	[7916, 3140]
1938	[955, 3360]	5011	[1631, 7002]	8084	[6454, 6020]	11157	[11571, 3446]
1939	[3361, 3362]	5012	[4047, 7003]	8085	[3076, 9655]	11158	[7053, 7692]
1940	[3363, 3364]	5013	[7004, 3933]	8086	[2777, 9656]	11159	[7469, 29]
1941	[3365, 3366]	5014	[7005, 7006]	8087	[6705, 5767]	11160	[1143, 11572]
1942	[3367, 301]	5015	[7007, 4228]	8088	[9657, 5138]	11161	[7663, 10924]
1943	[3368, 3369]	5016	[7008, 7009]	8089	[2638, 9658]	11162	[11573, 4886]
1944	[3370, 3371]	5017	[1297, 7010]	8090	[9659, 2949]	11163	[1019, 7912]
1945	[3372, 3373]	5018	[7011, 7012]	8091	[2012, 9660]	11164	[367, 1388]
1946	[3374, 3212]	5019	[4278, 7013]	8092	[2924, 9350]	11165	[3390, 11574]
1947	[3375, 3376]	5020	[7014, 3323]	8093	[9661, 2448]	11166	[4042, 11575]
1948	[3377, 3378]	5021	[1131, 7015]	8094	[9662, 8907]	11167	[10368, 10768]
1949	[3379, 3380]	5022	[4244, 7016]	8095	[6126, 9663]	11168	[11576, 8011]
1950	[3381, 3382]	5023	[6979, 3835]	8096	[9664, 9665]	11169	[8524, 11577]
1951	[3383, 3384]	5024	[7017, 4443]	8097	[1824, 9666]	11170	[11578, 7560]
1952	[3385, 3386]	5025	[7018, 7019]	8098	[9667, 2259]	11171	[1381, 3910]
1953	[3387, 3388]	5026	[4703, 7020]	8099	[9668, 9669]	11172	[8500, 3828]
1954	[3389, 1252]	5027	[7021, 3751]	8100	[5577, 508]	11173	[1369, 3770]
1955	[3390, 3391]	5028	[3647, 1541]	8101	[1932, 5974]	11174	[119, 7219]
1956	[3392, 3393]	5029	[4865, 7022]	8102	[9670, 5221]	11175	[3894, 1419]
1957	[1199, 3394]	5030	[7023, 1273]	8103	[6496, 9038]	11176	[11579, 4982]
1958	[3395, 3396]	5031	[7024, 7025]	8104	[9671, 2307]	11177	[10673, 8737]
1959	[3397, 1535]	5032	[3514, 1402]	8105	[5442, 9672]	11178	[3678, 8327]
1960	[1191, 3398]	5033	[4904, 1585]	8106	[6845, 8933]	11179	[1190, 7017]
1961	[1264, 1620]	5034	[7026, 7027]	8107	[2202, 1968]	11180	[1517, 3997]
1962	[300, 3399]	5035	[7028, 7029]	8108	[9673, 6677]	11181	[4868, 4253]
1963	[3400, 3206]	5036	[7030, 4979]	8109	[9674, 6205]	11182	[10880, 7568]
1964	[3401, 3402]	5037	[251, 4556]	8110	[6017, 9675]	11183	[3259, 11580]
1965	[16, 3403]	5038	[309, 7031]	8111	[3024, 6294]	11184	[11581, 4655]
1966	[3404, 3405]	5039	[7032, 7033]	8112	[9676, 9677]	11185	[11582, 10529]
1967	[3406, 3407]	5040	[7034, 422]	8113	[9678, 6579]	11186	[11583, 7665]
1968	[3408, 3409]	5041	[258, 7035]	8114	[3108, 597]	11187	[4555, 11584]
1969	[3410, 3411]	5042	[7036, 7037]	8115	[9679, 2492]	11188	[1718, 305]

1970	[3412, 3413]	5043	[7038, 7039]	8116	[2073, 9680]	11189	[11585, 3234]
1971	[3414, 3415]	5044	[4552, 7040]	8117	[199, 9681]	11190	[1053, 8252]
1972	[976, 1572]	5045	[7041, 7042]	8118	[2740, 9682]	11191	[1147, 7789]
1973	[3416, 3417]	5046	[4241, 7043]	8119	[9683, 5182]	11192	[8776, 1321]
1974	[3418, 3419]	5047	[1156, 7044]	8120	[9684, 9097]	11193	[1593, 3589]
1975	[3420, 3421]	5048	[7045, 7046]	8121	[9641, 676]	11194	[11586, 8274]
1976	[3422, 3423]	5049	[7047, 1102]	8122	[6035, 9685]	11195	[105, 4953]
1977	[3376, 3424]	5050	[4712, 7048]	8123	[9686, 9561]	11196	[11587, 1534]
1978	[3425, 342]	5051	[7049, 1152]	8124	[9184, 9687]	11197	[7756, 4017]
1979	[3426, 3296]	5052	[7050, 7051]	8125	[9688, 5341]	11198	[7356, 981]
1980	[3427, 3428]	5053	[7052, 4356]	8126	[9689, 9690]	11199	[8527, 11588]
1981	[3429, 1237]	5054	[4777, 1228]	8127	[5608, 6235]	11200	[3463, 11589]
1982	[3430, 3431]	5055	[432, 4127]	8128	[9691, 2067]	11201	[4813, 11590]
1983	[3432, 1476]	5056	[969, 7053]	8129	[1949, 9692]	11202	[3137, 960]
1984	[3433, 1457]	5057	[7054, 7055]	8130	[9693, 3074]	11203	[4387, 11591]
1985	[406, 3434]	5058	[7056, 4741]	8131	[1880, 9694]	11204	[1120, 11592]
1986	[3435, 3436]	5059	[1137, 7057]	8132	[6232, 8953]	11205	[10311, 3251]
1987	[3437, 3438]	5060	[253, 7058]	8133	[877, 208]	11206	[10921, 7533]
1988	[3439, 3373]	5061	[7059, 3890]	8134	[5519, 5868]	11207	[11593, 1429]
1989	[3440, 454]	5062	[4000, 7060]	8135	[868, 9695]	11208	[7566, 7199]
1990	[3441, 480]	5063	[7061, 7062]	8136	[9696, 6003]	11209	[4758, 11594]
1991	[1743, 3442]	5064	[7063, 7064]	8137	[1797, 9475]	11210	[412, 3895]
1992	[3443, 3444]	5065	[7065, 1134]	8138	[9697, 9698]	11211	[3486, 11595]
1993	[3445, 1501]	5066	[1321, 7066]	8139	[5155, 9699]	11212	[7668, 8576]
1994	[3446, 3447]	5067	[4486, 7067]	8140	[9700, 162]	11213	[11596, 10186]
1995	[3448, 3449]	5068	[7068, 957]	8141	[189, 1843]	11214	[1709, 7578]
1996	[3450, 3451]	5069	[7069, 1251]	8142	[579, 9701]	11215	[1502, 11597]
1997	[3452, 3453]	5070	[7070, 7071]	8143	[2700, 9702]	11216	[11598, 8742]
1998	[3454, 3455]	5071	[7072, 7073]	8144	[9668, 9703]	11217	[8459, 7245]
1999	[3456, 3263]	5072	[3152, 3409]	8145	[2595, 9704]	11218	[1589, 4713]
2000	[3457, 3458]	5073	[4249, 3921]	8146	[6356, 9705]	11219	[3183, 11599]
2001	[3459, 3216]	5074	[7074, 7075]	8147	[737, 9706]	11220	[4578, 11600]
2002	[1408, 3460]	5075	[7076, 7077]	8148	[9707, 2829]	11221	[11601, 4609]
2003	[3461, 3462]	5076	[7078, 3801]	8149	[9313, 6104]	11222	[11602, 8813]
2004	[3463, 3464]	5077	[3992, 107]	8150	[2957, 9708]	11223	[3787, 7698]
2005	[290, 3465]	5078	[3807, 7079]	8151	[9709, 9200]	11224	[11603, 8356]
2006	[264, 3466]	5079	[7080, 3312]	8152	[9710, 9711]	11225	[11604, 7771]
2007	[3467, 3468]	5080	[7081, 7082]	8153	[6889, 8946]	11226	[1628, 11605]
2008	[3469, 3470]	5081	[7083, 7084]	8154	[9343, 5721]	11227	[3944, 7984]
2009	[332, 3471]	5082	[7085, 3456]	8155	[5774, 5334]	11228	[11606, 3300]
2010	[3472, 3473]	5083	[3331, 327]	8156	[9448, 9712]	11229	[10453, 3121]
2011	[3474, 3475]	5084	[7086, 3405]	8157	[9713, 2758]	11230	[8106, 7501]
2012	[3476, 3477]	5085	[7087, 4493]	8158	[9714, 5132]	11231	[3448, 11607]
2013	[999, 3478]	5086	[3341, 3948]	8159	[9715, 9716]	11232	[4577, 11476]

2014	[3479, 3480]	5087	[7088, 7089]	8160	[2409, 9717]	11233	[1170, 4345]
2015	[3481, 3482]	5088	[7090, 7091]	8161	[9552, 6660]	11234	[4463, 11608]
2016	[3483, 3484]	5089	[7092, 7093]	8162	[9718, 5512]	11235	[7631, 11609]
2017	[3485, 3486]	5090	[4074, 1731]	8163	[2257, 9354]	11236	[8155, 10878]
2018	[3487, 1750]	5091	[7094, 4179]	8164	[6839, 2807]	11237	[7664, 11610]
2019	[3306, 3488]	5092	[3903, 1168]	8165	[9719, 9720]	11238	[11611, 3823]
2020	[3489, 3490]	5093	[3619, 7095]	8166	[6282, 2366]	11239	[7455, 11612]
2021	[3491, 3492]	5094	[382, 7096]	8167	[2221, 9721]	11240	[301, 104]
2022	[3493, 3494]	5095	[7097, 1585]	8168	[9722, 2445]	11241	[4312, 3295]
2023	[3495, 3496]	5096	[7098, 4349]	8169	[6669, 777]	11242	[1345, 7871]
2024	[3497, 3498]	5097	[1088, 7099]	8170	[6560, 786]	11243	[7932, 7418]
2025	[3499, 3500]	5098	[7100, 1786]	8171	[5080, 6739]	11244	[11613, 7500]
2026	[3501, 3502]	5099	[7101, 7102]	8172	[9723, 3016]	11245	[7638, 7806]
2027	[3503, 3504]	5100	[7103, 4421]	8173	[9724, 9725]	11246	[11614, 7774]
2028	[1402, 3505]	5101	[7104, 7105]	8174	[6081, 9726]	11247	[1210, 3835]
2029	[3506, 3507]	5102	[7106, 7107]	8175	[9727, 9728]	11248	[4297, 11615]
2030	[3508, 281]	5103	[7108, 6996]	8176	[9335, 6553]	11249	[11616, 4266]
2031	[3509, 3510]	5104	[7109, 3292]	8177	[9729, 9426]	11250	[4487, 1676]
2032	[3511, 3512]	5105	[7110, 4220]	8178	[9400, 9730]	11251	[4213, 8340]
2033	[3513, 3514]	5106	[7026, 7111]	8179	[9731, 2113]	11252	[11617, 3238]
2034	[1585, 3515]	5107	[7112, 7113]	8180	[2815, 764]	11253	[4907, 10474]
2035	[3516, 3517]	5108	[7114, 7115]	8181	[6614, 9192]	11254	[11618, 7122]
2036	[3518, 3519]	5109	[7116, 3239]	8182	[9732, 5502]	11255	[11619, 1748]
2037	[266, 3520]	5110	[1468, 4912]	8183	[9067, 147]	11256	[4117, 7585]
2038	[3521, 3522]	5111	[1296, 4148]	8184	[1891, 9733]	11257	[8470, 11620]
2039	[3523, 3524]	5112	[7117, 7118]	8185	[2459, 5831]	11258	[11621, 8424]
2040	[3525, 3526]	5113	[4777, 3731]	8186	[9734, 9735]	11259	[1214, 11622]
2041	[3527, 3528]	5114	[4303, 7119]	8187	[9736, 9364]	11260	[3723, 3357]
2042	[3301, 3529]	5115	[7120, 3352]	8188	[9737, 6117]	11261	[10370, 1564]
2043	[3530, 3531]	5116	[4709, 7121]	8189	[9738, 2084]	11262	[4106, 11623]
2044	[3532, 3533]	5117	[7122, 7123]	8190	[6349, 9739]	11263	[11624, 10315]
2045	[3534, 3535]	5118	[7124, 7125]	8191	[6385, 9656]	11264	[11625, 4912]
2046	[1066, 3536]	5119	[1591, 423]	8192	[9740, 9490]	11265	[10608, 3213]
2047	[3537, 3538]	5120	[3612, 7126]	8193	[9630, 9741]	11266	[94, 8416]
2048	[3539, 3540]	5121	[7127, 7128]	8194	[9742, 6247]	11267	[4536, 11626]
2049	[3541, 3542]	5122	[7129, 7130]	8195	[1794, 9743]	11268	[8698, 7331]
2050	[3543, 264]	5123	[7131, 4365]	8196	[5688, 6659]	11269	[4442, 8681]
2051	[3544, 3545]	5124	[7132, 7133]	8197	[9503, 9716]	11270	[1740, 11627]
2052	[3546, 3547]	5125	[7134, 3553]	8198	[6563, 3108]	11271	[3363, 11628]
2053	[3548, 3549]	5126	[7135, 277]	8199	[9744, 1866]	11272	[4235, 1373]
2054	[3550, 3551]	5127	[7136, 7137]	8200	[9745, 9746]	11273	[3128, 4300]
2055	[3552, 3553]	5128	[3265, 7138]	8201	[9297, 9747]	11274	[10208, 4343]
2056	[3554, 3555]	5129	[112, 7139]	8202	[9748, 2539]	11275	[3632, 11629]
2057	[3556, 3557]	5130	[7140, 3615]	8203	[9749, 5416]	11276	[11630, 10705]

2058	[3558, 3489]	5131	[7141, 3346]	8204	[6389, 9340]	11277	[1351, 11631]
2059	[3559, 3560]	5132	[1669, 7142]	8205	[9410, 5468]	11278	[10701, 282]
2060	[3561, 3562]	5133	[7143, 324]	8206	[153, 9750]	11279	[98, 11632]
2061	[3563, 76]	5134	[7144, 7145]	8207	[5348, 9637]	11280	[11633, 8452]
2062	[3564, 3565]	5135	[7146, 4988]	8208	[5157, 2528]	11281	[296, 11634]
2063	[3566, 3567]	5136	[1371, 1383]	8209	[9394, 9751]	11282	[4470, 4604]
2064	[3401, 3568]	5137	[3585, 7147]	8210	[6602, 2750]	11283	[11635, 341]
2065	[3569, 3570]	5138	[7148, 7149]	8211	[9752, 5654]	11284	[3343, 4959]
2066	[3571, 3572]	5139	[1423, 1560]	8212	[5229, 9753]	11285	[1220, 4110]
2067	[3573, 3574]	5140	[7150, 1158]	8213	[6947, 2194]	11286	[7912, 1649]
2068	[3575, 1026]	5141	[4740, 7151]	8214	[9754, 6970]	11287	[1556, 11636]
2069	[3576, 3577]	5142	[1197, 4402]	8215	[9755, 9200]	11288	[1708, 11493]
2070	[3578, 3579]	5143	[1240, 7152]	8216	[9756, 9507]	11289	[3761, 11637]
2071	[3580, 3581]	5144	[7153, 7154]	8217	[5056, 5278]	11290	[3634, 11638]
2072	[3582, 1650]	5145	[1016, 7155]	8218	[9757, 6399]	11291	[11639, 7705]
2073	[3583, 3584]	5146	[7156, 7157]	8219	[6445, 690]	11292	[1054, 8384]
2074	[1679, 5]	5147	[7158, 303]	8220	[9758, 2610]	11293	[11640, 4600]
2075	[3585, 3586]	5148	[7159, 7160]	8221	[218, 9759]	11294	[4065, 4404]
2076	[3587, 1570]	5149	[7161, 4709]	8222	[9760, 9485]	11295	[4206, 3298]
2077	[364, 3588]	5150	[4507, 7162]	8223	[9761, 9762]	11296	[1516, 7100]
2078	[3589, 3443]	5151	[1357, 4362]	8224	[5336, 9763]	11297	[7870, 11641]
2079	[3590, 3591]	5152	[7163, 7164]	8225	[9764, 5045]	11298	[1281, 11642]
2080	[1365, 3592]	5153	[7165, 7166]	8226	[3050, 9765]	11299	[4545, 11643]
2081	[3593, 3594]	5154	[7167, 7168]	8227	[9708, 1994]	11300	[8763, 11644]
2082	[3595, 3596]	5155	[7089, 1574]	8228	[822, 9766]	11301	[4013, 11645]
2083	[3597, 3598]	5156	[7169, 4248]	8229	[6005, 9767]	11302	[3247, 8250]
2084	[3599, 3600]	5157	[4444, 7170]	8230	[5789, 9768]	11303	[11646, 3500]
2085	[1588, 1275]	5158	[7171, 4233]	8231	[5738, 9614]	11304	[1520, 7438]
2086	[1403, 3601]	5159	[7172, 77]	8232	[935, 4993]	11305	[4981, 8775]
2087	[3602, 256]	5160	[7173, 4214]	8233	[2950, 9769]	11306	[3147, 11647]
2088	[3603, 1726]	5161	[3892, 4680]	8234	[5548, 9770]	11307	[3868, 11648]
2089	[1118, 3604]	5162	[4818, 3829]	8235	[5021, 6898]	11308	[11649, 1578]
2090	[3605, 3441]	5163	[446, 4162]	8236	[9422, 9771]	11309	[11650, 4268]
2091	[3606, 3607]	5164	[7174, 1241]	8237	[2855, 9772]	11310	[11499, 7235]
2092	[3608, 3609]	5165	[7175, 7176]	8238	[9773, 3006]	11311	[11651, 1268]
2093	[3610, 3611]	5166	[4471, 7177]	8239	[5773, 5333]	11312	[11652, 8028]
2094	[3612, 3613]	5167	[1162, 7178]	8240	[6920, 9774]	11313	[10328, 391]
2095	[3614, 3615]	5168	[7179, 3670]	8241	[9775, 9776]	11314	[3752, 11653]
2096	[3165, 3616]	5169	[7180, 7181]	8242	[6422, 9777]	11315	[4980, 10211]
2097	[3617, 3314]	5170	[7182, 3445]	8243	[1911, 9778]	11316	[1082, 7804]
2098	[3618, 3619]	5171	[1081, 3881]	8244	[9779, 6428]	11317	[4866, 11654]
2099	[1049, 3620]	5172	[7122, 392]	8245	[9780, 5222]	11318	[74, 11655]
2100	[3621, 3622]	5173	[1348, 7183]	8246	[6264, 9781]	11319	[4015, 10578]
2101	[3435, 3623]	5174	[7184, 7185]	8247	[9782, 2126]	11320	[11656, 448]

2102	[3624, 3625]	5175	[7186, 7187]	8248	[6941, 5015]	11321	[414, 11657]
2103	[3626, 3247]	5176	[4273, 7188]	8249	[6874, 6782]	11322	[4468, 10796]
2104	[339, 3627]	5177	[7090, 7189]	8250	[9177, 6136]	11323	[3236, 11658]
2105	[3628, 3629]	5178	[7190, 4482]	8251	[8825, 6663]	11324	[8135, 11659]
2106	[3630, 3155]	5179	[1021, 7191]	8252	[9783, 5422]	11325	[8348, 4591]
2107	[3631, 1230]	5180	[3651, 3554]	8253	[2234, 6051]	11326	[8209, 11660]
2108	[3632, 3633]	5181	[1227, 7192]	8254	[6750, 9784]	11327	[11661, 10763]
2109	[3634, 1177]	5182	[7193, 7194]	8255	[2228, 6070]	11328	[1413, 4876]
2110	[433, 3635]	5183	[4773, 7195]	8256	[9785, 5200]	11329	[4952, 11662]
2111	[3636, 3637]	5184	[7196, 7197]	8257	[5946, 843]	11330	[3456, 11663]
2112	[3638, 3639]	5185	[7198, 7199]	8258	[2780, 9786]	11331	[11664, 438]
2113	[3640, 3641]	5186	[7200, 7201]	8259	[9787, 5990]	11332	[10713, 329]
2114	[3642, 1785]	5187	[7202, 3607]	8260	[5268, 9788]	11333	[1451, 3678]
2115	[1113, 3643]	5188	[7203, 266]	8261	[2365, 6674]	11334	[7952, 11665]
2116	[3294, 3644]	5189	[7204, 4881]	8262	[6015, 2908]	11335	[7457, 11666]
2117	[3645, 3646]	5190	[4827, 3917]	8263	[9651, 6715]	11336	[11667, 1759]
2118	[3280, 3647]	5191	[1432, 7205]	8264	[9789, 5813]	11337	[3740, 8459]
2119	[3648, 3649]	5192	[3581, 3277]	8265	[1877, 9790]	11338	[4528, 11668]
2120	[3650, 3135]	5193	[4944, 7206]	8266	[2063, 6416]	11339	[11669, 3603]
2121	[3651, 3652]	5194	[7207, 3493]	8267	[8934, 2830]	11340	[1601, 1445]
2122	[3653, 3654]	5195	[3330, 326]	8268	[1793, 5619]	11341	[3166, 322]
2123	[330, 3655]	5196	[7208, 7209]	8269	[6236, 9791]	11342	[11670, 4340]
2124	[3656, 3657]	5197	[7210, 4069]	8270	[2897, 5992]	11343	[4668, 11671]
2125	[3658, 3659]	5198	[1420, 4781]	8271	[9792, 3073]	11344	[4402, 11672]
2126	[3660, 3661]	5199	[3310, 3845]	8272	[9793, 6066]	11345	[3149, 11673]
2127	[3662, 3331]	5200	[7211, 4293]	8273	[608, 5328]	11346	[11674, 8695]
2128	[1377, 3663]	5201	[7212, 7213]	8274	[2661, 9794]	11347	[8074, 4547]
2129	[3664, 3663]	5202	[4557, 7214]	8275	[9795, 2779]	11348	[8613, 1749]
2130	[3665, 3666]	5203	[7215, 4901]	8276	[9796, 725]	11349	[3152, 11675]
2131	[422, 331]	5204	[7216, 7217]	8277	[2460, 5832]	11350	[7357, 10792]
2132	[3667, 3668]	5205	[4468, 7218]	8278	[43, 8835]	11351	[4903, 7097]
2133	[3264, 3669]	5206	[7219, 1643]	8279	[9138, 9030]	11352	[3528, 1052]
2134	[3507, 3670]	5207	[4679, 7220]	8280	[2036, 9792]	11353	[11676, 1363]
2135	[3671, 3576]	5208	[7221, 1582]	8281	[9797, 617]	11354	[4887, 10476]
2136	[3466, 3672]	5209	[7222, 7223]	8282	[9798, 3116]	11355	[3311, 8662]
2137	[3673, 3674]	5210	[4277, 7055]	8283	[6838, 9799]	11356	[8006, 11473]
2138	[3675, 3676]	5211	[1068, 1332]	8284	[5629, 9800]	11357	[7360, 3559]
2139	[1429, 3677]	5212	[4970, 7224]	8285	[6014, 2907]	11358	[1333, 7691]
2140	[3678, 3679]	5213	[7225, 1072]	8286	[5755, 5888]	11359	[11677, 4665]
2141	[3680, 3681]	5214	[7226, 3853]	8287	[9801, 9677]	11360	[3371, 7224]
2142	[3682, 365]	5215	[7227, 7228]	8288	[9802, 9284]	11361	[4985, 4460]
2143	[3683, 3684]	5216	[3595, 7229]	8289	[9803, 225]	11362	[11678, 8421]
2144	[3685, 1169]	5217	[4575, 3338]	8290	[9804, 6484]	11363	[11679, 3537]
2145	[3686, 3387]	5218	[7230, 3385]	8291	[9805, 9806]	11364	[8024, 11680]

2146	[3687, 3688]	5219	[7231, 7232]	8292	[2330, 9807]	11365	[10233, 4112]
2147	[3689, 3690]	5220	[7233, 4071]	8293	[9164, 9020]	11366	[8351, 7416]
2148	[3691, 3692]	5221	[7234, 4795]	8294	[9808, 9213]	11367	[11681, 3617]
2149	[3693, 3694]	5222	[3269, 7235]	8295	[6167, 5014]	11368	[365, 11682]
2150	[3695, 82]	5223	[7236, 3329]	8296	[9402, 542]	11369	[3467, 10839]
2151	[3696, 3697]	5224	[7237, 1096]	8297	[9809, 905]	11370	[7544, 11683]
2152	[3698, 3699]	5225	[4354, 4261]	8298	[9810, 6577]	11371	[11684, 8106]
2153	[3700, 3701]	5226	[1305, 7238]	8299	[9811, 3027]	11372	[11685, 7664]
2154	[3518, 3702]	5227	[7239, 3531]	8300	[2049, 6408]	11373	[11686, 1364]
2155	[3703, 3704]	5228	[3267, 7240]	8301	[6337, 2308]	11374	[3764, 11687]
2156	[3705, 3706]	5229	[7241, 7242]	8302	[9547, 2914]	11375	[481, 11688]
2157	[3707, 3708]	5230	[7243, 7244]	8303	[5719, 6822]	11376	[8164, 11689]
2158	[3709, 3579]	5231	[4629, 7245]	8304	[6934, 2862]	11377	[8636, 11690]
2159	[3710, 3711]	5232	[7246, 7247]	8305	[2457, 5986]	11378	[11691, 4627]
2160	[3712, 3713]	5233	[7248, 7249]	8306	[9166, 6842]	11379	[7001, 10285]
2161	[3597, 3714]	5234	[7250, 1689]	8307	[9812, 185]	11380	[10277, 7069]
2162	[3715, 3256]	5235	[7251, 3394]	8308	[6161, 9813]	11381	[4531, 7998]
2163	[3716, 3717]	5236	[1279, 7252]	8309	[8881, 9814]	11382	[3180, 7979]
2164	[3718, 3719]	5237	[3496, 4966]	8310	[9815, 6533]	11383	[11692, 7449]
2165	[3720, 3721]	5238	[7253, 3285]	8311	[9444, 9816]	11384	[6999, 7167]
2166	[3722, 3155]	5239	[344, 7254]	8312	[5966, 9817]	11385	[11597, 1114]
2167	[323, 3723]	5240	[7255, 7133]	8313	[9818, 9819]	11386	[10180, 3592]
2168	[3724, 1147]	5241	[7256, 3491]	8314	[803, 9820]	11387	[8079, 11693]
2169	[3725, 3726]	5242	[7257, 3493]	8315	[9821, 5139]	11388	[3293, 8643]
2170	[3727, 3351]	5243	[7258, 7259]	8316	[9822, 9803]	11389	[7224, 1446]
2171	[3728, 3729]	5244	[7260, 1601]	8317	[9823, 5929]	11390	[11694, 1778]
2172	[3730, 261]	5245	[7261, 1102]	8318	[5676, 9421]	11391	[7440, 11695]
2173	[3731, 1229]	5246	[7262, 1214]	8319	[9196, 5805]	11392	[1653, 11696]
2174	[3732, 3733]	5247	[7263, 7104]	8320	[6873, 3089]	11393	[3872, 7158]
2175	[3734, 3735]	5248	[7264, 7265]	8321	[9824, 6250]	11394	[7084, 11697]
2176	[3736, 3737]	5249	[7266, 3900]	8322	[6128, 2394]	11395	[11698, 10938]
2177	[3738, 3739]	5250	[4479, 7267]	8323	[9239, 6681]	11396	[11504, 4628]
2178	[430, 3740]	5251	[7268, 7269]	8324	[9601, 9825]	11397	[115, 1219]
2179	[3741, 3742]	5252	[7270, 7271]	8325	[6166, 2385]	11398	[8169, 1653]
2180	[3743, 3744]	5253	[7272, 4298]	8326	[9826, 6828]	11399	[11699, 10137]
2181	[97, 3745]	5254	[7273, 7274]	8327	[9827, 6889]	11400	[3666, 7067]
2182	[3746, 3747]	5255	[7275, 4927]	8328	[1916, 6011]	11401	[10506, 11700]
2183	[3748, 3749]	5256	[7276, 4125]	8329	[9033, 2697]	11402	[11701, 8796]
2184	[3750, 3751]	5257	[7277, 3576]	8330	[2102, 9707]	11403	[10626, 4904]
2185	[3752, 3753]	5258	[1165, 4163]	8331	[5107, 5559]	11404	[10169, 3689]
2186	[3754, 1474]	5259	[7278, 7279]	8332	[9828, 9487]	11405	[8438, 965]
2187	[1135, 3755]	5260	[4409, 3832]	8333	[6086, 5331]	11406	[11702, 10194]
2188	[1319, 3756]	5261	[1127, 7280]	8334	[9829, 5048]	11407	[10616, 11703]
2189	[3166, 1433]	5262	[7281, 7282]	8335	[782, 9830]	11408	[1489, 7973]

2190	[3757, 1430]	5263	[7283, 7284]	8336	[8939, 5968]	11409	[4756, 8658]
2191	[3758, 1245]	5264	[7108, 3688]	8337	[2588, 9831]	11410	[7128, 4089]
2192	[3759, 3760]	5265	[7285, 7286]	8338	[5340, 9832]	11411	[11704, 8449]
2193	[3761, 3762]	5266	[1560, 7287]	8339	[9833, 5869]	11412	[4333, 8572]
2194	[3763, 979]	5267	[7288, 4983]	8340	[8896, 9273]	11413	[1230, 1557]
2195	[3764, 3765]	5268	[7289, 7290]	8341	[9834, 9835]	11414	[1008, 11705]
2196	[3766, 3767]	5269	[7291, 4663]	8342	[9627, 9836]	11415	[11706, 409]
2197	[3768, 3769]	5270	[7292, 7086]	8343	[9837, 2822]	11416	[3863, 8400]
2198	[3770, 3771]	5271	[4493, 7293]	8344	[6612, 2364]	11417	[10291, 8275]
2199	[3772, 3773]	5272	[1494, 4525]	8345	[5410, 9493]	11418	[8522, 75]
2200	[3774, 3775]	5273	[7294, 4482]	8346	[6759, 2058]	11419	[8257, 3763]
2201	[3776, 3777]	5274	[7295, 1753]	8347	[9838, 798]	11420	[66, 11707]
2202	[3778, 3627]	5275	[7296, 1494]	8348	[9839, 5743]	11421	[3328, 4548]
2203	[3779, 452]	5276	[1153, 7297]	8349	[6744, 9840]	11422	[23, 7032]
2204	[3780, 3781]	5277	[7298, 113]	8350	[1996, 2793]	11423	[8033, 11708]
2205	[3782, 3330]	5278	[15, 4408]	8351	[6172, 153]	11424	[8599, 8068]
2206	[3783, 3784]	5279	[7053, 1178]	8352	[5339, 9186]	11425	[7174, 4374]
2207	[3785, 3786]	5280	[444, 7299]	8353	[6937, 9841]	11426	[11709, 1232]
2208	[3787, 1579]	5281	[7300, 3547]	8354	[5135, 9842]	11427	[1602, 7817]
2209	[3788, 3288]	5282	[7301, 1305]	8355	[5647, 5430]	11428	[11710, 3269]
2210	[3789, 3790]	5283	[7302, 7303]	8356	[2226, 9458]	11429	[4622, 8462]
2211	[3791, 3792]	5284	[1383, 1583]	8357	[9500, 950]	11430	[404, 11711]
2212	[3793, 3794]	5285	[7304, 7305]	8358	[9843, 9403]	11431	[8453, 1686]
2213	[3795, 3796]	5286	[3466, 7306]	8359	[6832, 5237]	11432	[4244, 11712]
2214	[3797, 1425]	5287	[7307, 7308]	8360	[2679, 5977]	11433	[8105, 10665]
2215	[3798, 3799]	5288	[7309, 1347]	8361	[878, 9844]	11434	[3672, 4496]
2216	[3800, 3801]	5289	[7310, 7170]	8362	[9845, 782]	11435	[11713, 4227]
2217	[3503, 27]	5290	[1429, 7311]	8363	[9161, 9846]	11436	[1789, 11714]
2218	[3802, 29]	5291	[7312, 7313]	8364	[9100, 5171]	11437	[7545, 10436]
2219	[3803, 25]	5292	[7314, 1201]	8365	[8892, 2392]	11438	[8163, 7657]
2220	[3804, 3805]	5293	[7129, 7051]	8366	[5905, 9847]	11439	[1229, 8671]
2221	[3198, 1394]	5294	[7315, 4803]	8367	[2016, 9848]	11440	[11715, 8713]
2222	[3806, 1475]	5295	[7316, 7317]	8368	[9510, 6462]	11441	[11716, 10417]
2223	[3807, 3808]	5296	[7318, 7319]	8369	[9166, 9849]	11442	[11717, 3779]
2224	[3809, 3810]	5297	[7320, 3286]	8370	[9850, 6214]	11443	[7601, 4158]
2225	[3811, 3812]	5298	[7321, 7322]	8371	[9678, 227]	11444	[10653, 11718]
2226	[3813, 3814]	5299	[1138, 7323]	8372	[5240, 9851]	11445	[4711, 1270]
2227	[1182, 3815]	5300	[7324, 7325]	8373	[858, 9852]	11446	[388, 4403]
2228	[3816, 3817]	5301	[4357, 7326]	8374	[5673, 9853]	11447	[377, 4124]
2229	[3818, 3819]	5302	[3577, 7327]	8375	[9330, 6288]	11448	[1661, 10384]
2230	[1599, 1473]	5303	[7328, 7329]	8376	[9854, 6645]	11449	[4112, 8544]
2231	[3820, 3821]	5304	[7330, 4974]	8377	[9482, 9855]	11450	[4861, 11719]
2232	[3822, 1202]	5305	[3976, 7331]	8378	[6056, 6812]	11451	[8511, 11720]
2233	[3823, 3824]	5306	[1639, 7332]	8379	[9856, 1837]	11452	[8071, 10868]

2234	[3825, 3385]	5307	[4288, 7144]	8380	[6820, 8962]	11453	[11721, 6989]
2235	[3826, 3827]	5308	[1192, 7333]	8381	[9515, 5025]	11454	[7018, 7395]
2236	[3828, 3829]	5309	[7334, 4700]	8382	[6271, 6773]	11455	[11722, 4429]
2237	[3830, 3831]	5310	[1674, 7335]	8383	[5749, 9857]	11456	[7783, 11723]
2238	[3832, 3833]	5311	[7336, 3202]	8384	[6313, 2746]	11457	[8314, 11724]
2239	[3834, 3420]	5312	[7337, 7338]	8385	[8925, 2917]	11458	[8412, 11725]
2240	[3835, 3836]	5313	[7339, 1086]	8386	[1908, 9858]	11459	[8808, 4175]
2241	[3837, 3838]	5314	[4157, 7340]	8387	[9859, 2390]	11460	[3134, 1637]
2242	[3839, 3840]	5315	[7341, 3924]	8388	[9860, 9861]	11461	[11726, 8812]
2243	[3841, 1196]	5316	[4747, 4385]	8389	[9462, 6226]	11462	[1622, 11727]
2244	[3842, 3805]	5317	[4517, 1668]	8390	[5558, 5857]	11463	[11728, 3359]
2245	[1543, 3843]	5318	[7342, 3619]	8391	[2830, 9862]	11464	[4089, 7513]
2246	[1423, 3844]	5319	[7343, 4644]	8392	[9863, 2538]	11465	[7110, 8047]
2247	[3845, 3356]	5320	[7057, 7323]	8393	[6884, 9864]	11466	[3285, 7526]
2248	[3846, 3847]	5321	[7344, 4299]	8394	[9367, 9426]	11467	[11401, 6420]
2249	[3848, 3849]	5322	[284, 4439]	8395	[9865, 9866]	11468	[8859, 11729]
2250	[3850, 71]	5323	[4816, 7345]	8396	[2010, 635]	11469	[9588, 11730]
2251	[3851, 3852]	5324	[4435, 7346]	8397	[6817, 5338]	11470	[11731, 5558]
2252	[3853, 3854]	5325	[7212, 7347]	8398	[2286, 2898]	11471	[11732, 6398]
2253	[3855, 1757]	5326	[7348, 1352]	8399	[9288, 9867]	11472	[2208, 829]
2254	[1222, 3856]	5327	[6983, 1231]	8400	[6796, 9868]	11473	[9607, 149]
2255	[3857, 974]	5328	[7349, 7350]	8401	[9869, 9870]	11474	[3006, 11733]
2256	[3858, 3845]	5329	[7351, 7217]	8402	[9871, 849]	11475	[9244, 11734]
2257	[3859, 3860]	5330	[1519, 7352]	8403	[5258, 6903]	11476	[767, 11735]
2258	[3861, 3862]	5331	[7353, 1343]	8404	[9872, 1928]	11477	[2109, 11736]
2259	[3863, 3803]	5332	[7354, 1100]	8405	[9873, 9361]	11478	[11737, 2185]
2260	[3864, 23]	5333	[7355, 1335]	8406	[3013, 1882]	11479	[11738, 8926]
2261	[3865, 3866]	5334	[7356, 3611]	8407	[9874, 5803]	11480	[2373, 2994]
2262	[3867, 1547]	5335	[3952, 7357]	8408	[925, 9757]	11481	[511, 5530]
2263	[3868, 3869]	5336	[258, 7358]	8409	[9875, 6354]	11482	[5179, 5999]
2264	[3870, 3871]	5337	[7359, 1140]	8410	[2021, 9876]	11483	[11739, 9527]
2265	[1223, 3275]	5338	[7360, 7361]	8411	[9285, 5235]	11484	[5670, 11740]
2266	[1687, 3872]	5339	[7362, 4603]	8412	[655, 9877]	11485	[11741, 552]
2267	[3873, 3874]	5340	[7363, 4989]	8413	[9878, 9470]	11486	[11742, 6609]
2268	[3875, 3876]	5341	[7364, 7365]	8414	[2248, 5120]	11487	[5428, 11167]
2269	[3877, 3878]	5342	[7366, 3780]	8415	[9879, 5936]	11488	[6599, 11743]
2270	[1295, 3879]	5343	[4660, 4357]	8416	[186, 2581]	11489	[9480, 11103]
2271	[1301, 3880]	5344	[3888, 1331]	8417	[5148, 9880]	11490	[2807, 10007]
2272	[3881, 3882]	5345	[7367, 7368]	8418	[9252, 9881]	11491	[11744, 2959]
2273	[3485, 3883]	5346	[7369, 7370]	8419	[6774, 5508]	11492	[11745, 9115]
2274	[1434, 3138]	5347	[7371, 7372]	8420	[9882, 2124]	11493	[11092, 11746]
2275	[3884, 3885]	5348	[7373, 7374]	8421	[851, 8923]	11494	[11747, 9159]
2276	[3886, 3887]	5349	[22, 4338]	8422	[9883, 8890]	11495	[951, 11748]
2277	[3888, 464]	5350	[3155, 4722]	8423	[9884, 8967]	11496	[11749, 9741]

2278	[3889, 3890]	5351	[7375, 7376]	8424	[6063, 9885]	11497	[11750, 9295]
2279	[3891, 3892]	5352	[7377, 1704]	8425	[9886, 9394]	11498	[11751, 6127]
2280	[3893, 3894]	5353	[3187, 1636]	8426	[9887, 6304]	11499	[6590, 10947]
2281	[3895, 3896]	5354	[4215, 7378]	8427	[6875, 6830]	11500	[11752, 2878]
2282	[3897, 3898]	5355	[1720, 7379]	8428	[6899, 9888]	11501	[11753, 783]
2283	[3899, 3647]	5356	[4423, 449]	8429	[2517, 6605]	11502	[11754, 11755]
2284	[1308, 3900]	5357	[1315, 414]	8430	[6333, 9889]	11503	[11756, 9142]
2285	[3901, 3902]	5358	[4668, 7380]	8431	[9890, 2195]	11504	[9346, 2773]
2286	[3903, 3685]	5359	[7158, 7381]	8432	[544, 9891]	11505	[11757, 6412]
2287	[3904, 3905]	5360	[7382, 7383]	8433	[1937, 9418]	11506	[11758, 9056]
2288	[3906, 1699]	5361	[7384, 7385]	8434	[9892, 5454]	11507	[11759, 9245]
2289	[1400, 3907]	5362	[7386, 4471]	8435	[2842, 6061]	11508	[662, 6872]
2290	[3908, 3862]	5363	[4984, 1025]	8436	[2100, 9778]	11509	[11760, 5856]
2291	[3549, 3909]	5364	[7102, 3929]	8437	[5985, 793]	11510	[5567, 11761]
2292	[3910, 3911]	5365	[7387, 7388]	8438	[6236, 9893]	11511	[10958, 5815]
2293	[3912, 3913]	5366	[7389, 7390]	8439	[5397, 5589]	11512	[10048, 11762]
2294	[3914, 3915]	5367	[7391, 7392]	8440	[9894, 2478]	11513	[11763, 5441]
2295	[3916, 1000]	5368	[7393, 3773]	8441	[6892, 8960]	11514	[11764, 5596]
2296	[3917, 1397]	5369	[7394, 3706]	8442	[9895, 526]	11515	[11765, 6400]
2297	[3918, 3919]	5370	[7395, 7396]	8443	[6561, 8958]	11516	[9358, 2007]
2298	[3920, 3617]	5371	[7397, 7398]	8444	[2306, 6071]	11517	[11766, 11255]
2299	[3921, 3810]	5372	[7399, 4151]	8445	[2163, 5160]	11518	[794, 2651]
2300	[3922, 3923]	5373	[26, 7400]	8446	[9896, 2709]	11519	[11767, 11221]
2301	[3781, 3924]	5374	[7401, 3192]	8447	[9123, 2351]	11520	[11768, 5700]
2302	[3925, 3926]	5375	[7402, 7403]	8448	[6214, 9897]	11521	[11769, 795]
2303	[3927, 3928]	5376	[3267, 7404]	8449	[9898, 9162]	11522	[6120, 692]
2304	[3929, 3767]	5377	[7405, 7406]	8450	[5541, 9899]	11523	[6559, 785]
2305	[1026, 1044]	5378	[4615, 7407]	8451	[9900, 232]	11524	[11770, 6107]
2306	[3930, 3931]	5379	[1181, 7408]	8452	[6446, 6193]	11525	[2744, 11771]
2307	[3932, 3933]	5380	[4796, 7409]	8453	[2880, 2929]	11526	[11772, 6600]
2308	[3934, 295]	5381	[7410, 7411]	8454	[720, 2055]	11527	[11773, 10049]
2309	[3935, 3936]	5382	[3175, 4909]	8455	[9901, 6929]	11528	[11774, 6765]
2310	[3937, 3938]	5383	[4884, 7412]	8456	[2662, 9902]	11529	[6594, 11775]
2311	[3939, 1230]	5384	[7413, 3159]	8457	[9903, 6186]	11530	[586, 6173]
2312	[3940, 3941]	5385	[4466, 7414]	8458	[9904, 579]	11531	[3036, 11776]
2313	[3942, 3943]	5386	[7415, 7313]	8459	[834, 9905]	11532	[11777, 2312]
2314	[3944, 3730]	5387	[7416, 77]	8460	[9193, 9906]	11533	[11778, 5679]
2315	[1681, 3796]	5388	[7116, 3585]	8461	[9907, 9908]	11534	[5280, 11779]
2316	[1050, 3945]	5389	[7417, 4966]	8462	[9909, 9910]	11535	[11780, 6821]
2317	[3946, 3947]	5390	[7418, 1080]	8463	[9911, 9912]	11536	[6100, 223]
2318	[3948, 3949]	5391	[7317, 4224]	8464	[9913, 2560]	11537	[11781, 1955]
2319	[3950, 3951]	5392	[4217, 1009]	8465	[5948, 5243]	11538	[11782, 2397]
2320	[1527, 3952]	5393	[7419, 3881]	8466	[9727, 5403]	11539	[11783, 536]
2321	[3953, 3941]	5394	[7420, 4016]	8467	[9914, 5073]	11540	[557, 5439]

2322	[3954, 3955]	5395	[4482, 7421]	8468	[229, 9915]	11541	[5478, 11784]
2323	[3956, 1166]	5396	[7422, 7423]	8469	[9916, 1859]	11542	[11785, 897]
2324	[3423, 3957]	5397	[7424, 1327]	8470	[9917, 2666]	11543	[11786, 2341]
2325	[3958, 1586]	5398	[7425, 7426]	8471	[9918, 9919]	11544	[11787, 2887]
2326	[3959, 3960]	5399	[3879, 4148]	8472	[9719, 9920]	11545	[11788, 5513]
2327	[3961, 3962]	5400	[4, 7427]	8473	[9921, 9626]	11546	[11789, 9003]
2328	[1167, 3963]	5401	[7428, 1683]	8474	[5677, 684]	11547	[11790, 2953]
2329	[358, 1554]	5402	[1690, 4540]	8475	[6757, 936]	11548	[5977, 9370]
2330	[3964, 3965]	5403	[7429, 7430]	8476	[9922, 5381]	11549	[11791, 11383]
2331	[3966, 3772]	5404	[7431, 7432]	8477	[9586, 2129]	11550	[11792, 6513]
2332	[3521, 3967]	5405	[7433, 7434]	8478	[9923, 2290]	11551	[11793, 11461]
2333	[1406, 3968]	5406	[1599, 4305]	8479	[5237, 9924]	11552	[5622, 5091]
2334	[3416, 3969]	5407	[7435, 4193]	8480	[9545, 9925]	11553	[6603, 11794]
2335	[3970, 3267]	5408	[7436, 3782]	8481	[6337, 9067]	11554	[5747, 11795]
2336	[3971, 3972]	5409	[1548, 7437]	8482	[9926, 9872]	11555	[9260, 11796]
2337	[3973, 3974]	5410	[7352, 7438]	8483	[8835, 9927]	11556	[5870, 11797]
2338	[3975, 3976]	5411	[7439, 1256]	8484	[6029, 9928]	11557	[9983, 11798]
2339	[3977, 3978]	5412	[7440, 7441]	8485	[9929, 9930]	11558	[60, 9696]
2340	[3979, 3980]	5413	[1014, 7154]	8486	[9931, 9932]	11559	[2334, 6296]
2341	[3981, 3982]	5414	[7442, 1736]	8487	[5274, 5705]	11560	[11799, 11249]
2342	[3983, 3984]	5415	[3488, 7443]	8488	[9933, 531]	11561	[11800, 10042]
2343	[1473, 3985]	5416	[7444, 1225]	8489	[9143, 9934]	11562	[11801, 6431]
2344	[3986, 3987]	5417	[7445, 4710]	8490	[9242, 6053]	11563	[2579, 11802]
2345	[3988, 3467]	5418	[7321, 7446]	8491	[9265, 2996]	11564	[11803, 5127]
2346	[3989, 3713]	5419	[1090, 7447]	8492	[9516, 6840]	11565	[9212, 11804]
2347	[3990, 442]	5420	[7448, 3183]	8493	[9648, 5695]	11566	[953, 11805]
2348	[3991, 3992]	5421	[7449, 7450]	8494	[2350, 6705]	11567	[11806, 5834]
2349	[3993, 3994]	5422	[3710, 1165]	8495	[6946, 2193]	11568	[5257, 9219]
2350	[3995, 3733]	5423	[4417, 3370]	8496	[9935, 9474]	11569	[6795, 11807]
2351	[3757, 481]	5424	[7451, 273]	8497	[5811, 9936]	11570	[11808, 2875]
2352	[1000, 3996]	5425	[7326, 7452]	8498	[2359, 9794]	11571	[5627, 11809]
2353	[3997, 3998]	5426	[7453, 7454]	8499	[9937, 9938]	11572	[11810, 2904]
2354	[3999, 4000]	5427	[7455, 7456]	8500	[2726, 9939]	11573	[5699, 11811]
2355	[111, 3169]	5428	[4902, 1583]	8501	[5054, 2150]	11574	[11812, 9278]
2356	[1711, 1077]	5429	[7457, 7458]	8502	[9148, 2911]	11575	[11813, 6366]
2357	[3304, 4001]	5430	[7459, 7460]	8503	[714, 5652]	11576	[11105, 8874]
2358	[4002, 4003]	5431	[7461, 4625]	8504	[9940, 2646]	11577	[11814, 2033]
2359	[4004, 4005]	5432	[3329, 7462]	8505	[5208, 9941]	11578	[9136, 5023]
2360	[4006, 4007]	5433	[7463, 7464]	8506	[6328, 9599]	11579	[6132, 2423]
2361	[4008, 4009]	5434	[7465, 7454]	8507	[9942, 9943]	11580	[11815, 11746]
2362	[4010, 3744]	5435	[7466, 1366]	8508	[9944, 5447]	11581	[2962, 11816]
2363	[4011, 4012]	5436	[4161, 7467]	8509	[9945, 2473]	11582	[191, 11817]
2364	[4013, 4014]	5437	[7468, 7469]	8510	[6576, 9946]	11583	[2090, 11818]
2365	[403, 4015]	5438	[1528, 7357]	8511	[6573, 5281]	11584	[11819, 9591]

2366	[3532, 4016]	5439	[3680, 7470]	8512	[9947, 132]	11585	[2453, 11820]
2367	[1463, 476]	5440	[4522, 4697]	8513	[9948, 5260]	11586	[8940, 9795]
2368	[4017, 4018]	5441	[7471, 7472]	8514	[8909, 9949]	11587	[9442, 11821]
2369	[4019, 4020]	5442	[4752, 344]	8515	[8840, 9413]	11588	[11822, 6239]
2370	[4021, 1348]	5443	[7473, 7474]	8516	[5424, 9950]	11589	[11823, 56]
2371	[3470, 4022]	5444	[1542, 7475]	8517	[9951, 9430]	11590	[11824, 9776]
2372	[4023, 3604]	5445	[7476, 4916]	8518	[510, 2808]	11591	[11825, 9792]
2373	[4024, 4025]	5446	[1603, 7477]	8519	[2858, 9259]	11592	[11826, 2494]
2374	[4026, 4027]	5447	[7165, 4647]	8520	[630, 8947]	11593	[2938, 5709]
2375	[1227, 3961]	5448	[7478, 7479]	8521	[1920, 3064]	11594	[11827, 9767]
2376	[4028, 4029]	5449	[1706, 3737]	8522	[9952, 5474]	11595	[11828, 5300]
2377	[4023, 4030]	5450	[4812, 7480]	8523	[874, 9953]	11596	[6135, 9041]
2378	[4031, 335]	5451	[7481, 7325]	8524	[1971, 6352]	11597	[11433, 11829]
2379	[3937, 4032]	5452	[7482, 7062]	8525	[9091, 2941]	11598	[10003, 11830]
2380	[4033, 4034]	5453	[4398, 4574]	8526	[9368, 9427]	11599	[11831, 3077]
2381	[4035, 272]	5454	[7483, 377]	8527	[5529, 8849]	11600	[11832, 5478]
2382	[4036, 4037]	5455	[4633, 7484]	8528	[9292, 9954]	11601	[591, 11833]
2383	[4038, 4039]	5456	[7485, 7486]	8529	[2044, 9955]	11602	[5205, 11834]
2384	[4040, 4041]	5457	[4301, 3440]	8530	[9956, 5896]	11603	[6614, 2117]
2385	[4042, 4043]	5458	[4060, 7487]	8531	[9957, 9130]	11604	[5387, 9453]
2386	[4044, 4045]	5459	[3704, 7488]	8532	[9782, 5613]	11605	[11835, 9111]
2387	[4046, 4047]	5460	[4962, 7489]	8533	[9477, 6540]	11606	[5339, 2798]
2388	[4048, 4049]	5461	[3215, 7490]	8534	[5856, 9893]	11607	[11836, 679]
2389	[4050, 1036]	5462	[7491, 7492]	8535	[5892, 9958]	11608	[11837, 11194]
2390	[1057, 4051]	5463	[4812, 3226]	8536	[2372, 8977]	11609	[11838, 632]
2391	[4052, 359]	5464	[7493, 7494]	8537	[9959, 6437]	11610	[11839, 2063]
2392	[4053, 3872]	5465	[7495, 1070]	8538	[3030, 9960]	11611	[5516, 6511]
2393	[4054, 4055]	5466	[3431, 4065]	8539	[9961, 879]	11612	[11840, 2250]
2394	[4056, 268]	5467	[7496, 4407]	8540	[9645, 9962]	11613	[9839, 11841]
2395	[4057, 3452]	5468	[3307, 7443]	8541	[9963, 9964]	11614	[672, 5634]
2396	[3922, 4058]	5469	[981, 3768]	8542	[5354, 6335]	11615	[11842, 2655]
2397	[4059, 4060]	5470	[3695, 7497]	8543	[833, 9965]	11616	[5904, 9597]
2398	[4061, 78]	5471	[7498, 7499]	8544	[6646, 5863]	11617	[2386, 9236]
2399	[4062, 4063]	5472	[7500, 4958]	8545	[560, 5069]	11618	[5595, 11843]
2400	[4064, 4065]	5473	[4283, 1032]	8546	[6965, 9966]	11619	[11380, 11844]
2401	[1698, 1024]	5474	[7501, 7494]	8547	[788, 5466]	11620	[11845, 2381]
2402	[4066, 4067]	5475	[7502, 1603]	8548	[6420, 9967]	11621	[3026, 9886]
2403	[4068, 4069]	5476	[1630, 7503]	8549	[5944, 9968]	11622	[11846, 637]
2404	[4070, 4071]	5477	[355, 371]	8550	[9969, 9687]	11623	[11847, 2258]
2405	[282, 4072]	5478	[7504, 7505]	8551	[6538, 6653]	11624	[2500, 3082]
2406	[4073, 4074]	5479	[7506, 7112]	8552	[9100, 6586]	11625	[3074, 11848]
2407	[4075, 4076]	5480	[986, 1623]	8553	[9970, 5514]	11626	[11849, 2095]
2408	[4077, 4078]	5481	[980, 7507]	8554	[5918, 9971]	11627	[11850, 10946]
2409	[4079, 4080]	5482	[4133, 1692]	8555	[9870, 5417]	11628	[11851, 6670]

2410	[4081, 3249]	5483	[7508, 7509]	8556	[2317, 9229]	11629	[11852, 1908]
2411	[4082, 4083]	5484	[7510, 3725]	8557	[9070, 9972]	11630	[2628, 11853]
2412	[4084, 4085]	5485	[7511, 3864]	8558	[2973, 9973]	11631	[11854, 6704]
2413	[4086, 4087]	5486	[7388, 7512]	8559	[2557, 9974]	11632	[11855, 6445]
2414	[4088, 1791]	5487	[7513, 1543]	8560	[6968, 9975]	11633	[2776, 6237]
2415	[4089, 1542]	5488	[7514, 7515]	8561	[3002, 9976]	11634	[11856, 10122]
2416	[3620, 4090]	5489	[4808, 7516]	8562	[5767, 6378]	11635	[10099, 6054]
2417	[4091, 3122]	5490	[7517, 7241]	8563	[6706, 245]	11636	[11857, 5025]
2418	[1587, 1274]	5491	[7518, 116]	8564	[9977, 5661]	11637	[11858, 2331]
2419	[1315, 492]	5492	[1082, 3882]	8565	[6430, 9978]	11638	[11859, 9857]
2420	[4092, 4093]	5493	[4664, 7519]	8566	[2701, 9979]	11639	[2477, 11860]
2421	[4094, 4095]	5494	[3279, 3899]	8567	[5259, 8830]	11640	[2806, 11861]
2422	[1331, 465]	5495	[4799, 7021]	8568	[1970, 9980]	11641	[11862, 5568]
2423	[4096, 4097]	5496	[3258, 1454]	8569	[9724, 9981]	11642	[11863, 6441]
2424	[4098, 4099]	5497	[4250, 1548]	8570	[9982, 5845]	11643	[11864, 5108]
2425	[4100, 1732]	5498	[1016, 419]	8571	[9983, 9984]	11644	[11865, 6082]
2426	[3738, 4101]	5499	[7226, 7520]	8572	[6857, 6637]	11645	[11866, 2500]
2427	[4102, 4103]	5500	[7521, 7522]	8573	[513, 9985]	11646	[9508, 10006]
2428	[4104, 4105]	5501	[4493, 7523]	8574	[9403, 543]	11647	[11867, 5076]
2429	[4106, 4107]	5502	[7524, 81]	8575	[2749, 9986]	11648	[11868, 61]
2430	[4108, 4109]	5503	[7525, 1325]	8576	[9421, 2902]	11649	[5846, 6762]
2431	[256, 4053]	5504	[7526, 4048]	8577	[9987, 5611]	11650	[2055, 759]
2432	[4110, 4111]	5505	[4185, 3538]	8578	[33, 9988]	11651	[9208, 2343]
2433	[3914, 4112]	5506	[7527, 3837]	8579	[221, 9989]	11652	[2249, 11869]
2434	[4113, 985]	5507	[7528, 7529]	8580	[2173, 5938]	11653	[11870, 6620]
2435	[4114, 1081]	5508	[3611, 982]	8581	[8992, 9158]	11654	[11871, 5348]
2436	[1552, 4115]	5509	[7530, 1770]	8582	[9039, 9990]	11655	[11872, 6770]
2437	[4116, 4117]	5510	[7531, 7532]	8583	[6114, 2079]	11656	[1841, 9414]
2438	[4118, 4119]	5511	[7533, 7383]	8584	[5603, 2073]	11657	[11873, 3103]
2439	[22, 4120]	5512	[7534, 4607]	8585	[9991, 2403]	11658	[11874, 5445]
2440	[4121, 3982]	5513	[7535, 4546]	8586	[6596, 5781]	11659	[11875, 9964]
2441	[4122, 4123]	5514	[3605, 479]	8587	[5833, 9992]	11660	[11876, 9168]
2442	[4124, 4125]	5515	[1775, 1243]	8588	[8822, 8844]	11661	[6694, 11877]
2443	[4126, 4127]	5516	[7536, 1767]	8589	[2901, 5420]	11662	[11878, 5599]
2444	[4128, 4129]	5517	[4871, 3494]	8590	[5304, 5542]	11663	[11879, 650]
2445	[4130, 4131]	5518	[280, 7537]	8591	[9993, 2937]	11664	[2278, 2163]
2446	[4132, 4133]	5519	[7538, 1232]	8592	[1852, 6845]	11665	[11880, 8999]
2447	[4134, 108]	5520	[7539, 4908]	8593	[5298, 9838]	11666	[11881, 5734]
2448	[4135, 4136]	5521	[3327, 7540]	8594	[9994, 9966]	11667	[2167, 11882]
2449	[4137, 4138]	5522	[7522, 3898]	8595	[6564, 597]	11668	[11883, 5986]
2450	[4139, 4140]	5523	[1283, 7541]	8596	[9995, 9996]	11669	[9290, 11884]
2451	[3383, 4141]	5524	[7542, 7223]	8597	[9997, 6085]	11670	[6894, 11885]
2452	[4142, 4143]	5525	[4592, 7543]	8598	[9919, 5170]	11671	[11886, 9491]
2453	[4144, 4145]	5526	[7544, 4515]	8599	[9998, 604]	11672	[11887, 5967]

2454	[4146, 3884]	5527	[7545, 4040]	8600	[9360, 9999]	11673	[11888, 9629]
2455	[1297, 4147]	5528	[7274, 7546]	8601	[753, 864]	11674	[9227, 11889]
2456	[4148, 3186]	5529	[1312, 7547]	8602	[10000, 6004]	11675	[11890, 6198]
2457	[3344, 4149]	5530	[7548, 1784]	8603	[6285, 10001]	11676	[6848, 11891]
2458	[4150, 4151]	5531	[1516, 998]	8604	[5464, 3025]	11677	[8972, 11892]
2459	[4152, 4153]	5532	[7549, 4124]	8605	[10002, 9232]	11678	[8952, 10080]
2460	[4154, 3823]	5533	[7550, 7551]	8606	[10003, 10004]	11679	[5015, 11893]
2461	[4155, 4156]	5534	[7552, 7553]	8607	[2216, 10005]	11680	[11894, 625]
2462	[3703, 4157]	5535	[7554, 7555]	8608	[2011, 3034]	11681	[5302, 11895]
2463	[4158, 430]	5536	[7556, 7270]	8609	[10006, 891]	11682	[11896, 5422]
2464	[4159, 4160]	5537	[7088, 1573]	8610	[5116, 526]	11683	[11897, 5516]
2465	[4161, 4162]	5538	[4000, 7557]	8611	[2890, 899]	11684	[2768, 9223]
2466	[3711, 4163]	5539	[7558, 3685]	8612	[9748, 6043]	11685	[2117, 11898]
2467	[4164, 4165]	5540	[7559, 7560]	8613	[509, 2504]	11686	[9775, 11899]
2468	[4166, 1569]	5541	[7561, 4669]	8614	[10007, 5002]	11687	[11900, 2818]
2469	[1261, 1015]	5542	[7562, 263]	8615	[9112, 9591]	11688	[11901, 604]
2470	[4167, 4168]	5543	[7563, 3842]	8616	[6877, 3000]	11689	[11902, 2335]
2471	[1381, 4169]	5544	[4849, 1616]	8617	[10008, 5821]	11690	[11903, 6052]
2472	[4170, 1371]	5545	[7564, 7565]	8618	[1831, 841]	11691	[5668, 6675]
2473	[4171, 4172]	5546	[3407, 7566]	8619	[2307, 6490]	11692	[11452, 11904]
2474	[4173, 4174]	5547	[7567, 4572]	8620	[5252, 10009]	11693	[11905, 5230]
2475	[4175, 1279]	5548	[3843, 7568]	8621	[6058, 5489]	11694	[11754, 11906]
2476	[4176, 3669]	5549	[7569, 4483]	8622	[9223, 9686]	11695	[11907, 9910]
2477	[4177, 3550]	5550	[7570, 7034]	8623	[850, 3110]	11696	[11908, 6188]
2478	[4178, 4179]	5551	[7571, 7572]	8624	[9917, 10010]	11697	[11909, 6718]
2479	[4180, 4181]	5552	[7573, 1624]	8625	[9935, 8866]	11698	[8851, 11910]
2480	[461, 474]	5553	[7574, 7575]	8626	[10011, 8882]	11699	[9854, 11911]
2481	[1336, 4182]	5554	[7576, 7577]	8627	[6791, 2443]	11700	[11912, 220]
2482	[4183, 1527]	5555	[7578, 481]	8628	[9471, 2147]	11701	[10974, 11913]
2483	[4184, 4185]	5556	[7556, 7579]	8629	[5993, 6212]	11702	[8870, 11914]
2484	[4186, 4187]	5557	[7580, 7016]	8630	[9019, 2951]	11703	[11915, 2374]
2485	[4188, 1407]	5558	[7581, 7582]	8631	[10012, 3044]	11704	[11096, 6775]
2486	[4189, 4190]	5559	[7583, 4786]	8632	[10013, 9040]	11705	[11916, 5825]
2487	[4191, 4192]	5560	[7584, 7585]	8633	[9061, 10014]	11706	[6116, 11917]
2488	[4193, 3581]	5561	[7586, 3330]	8634	[5826, 42]	11707	[11918, 6751]
2489	[370, 4194]	5562	[7587, 7588]	8635	[1964, 2927]	11708	[11919, 6864]
2490	[480, 4195]	5563	[7319, 4342]	8636	[6798, 2255]	11709	[5970, 11920]
2491	[4196, 4197]	5564	[1101, 3438]	8637	[10015, 2740]	11710	[9822, 9023]
2492	[4198, 4199]	5565	[1011, 3272]	8638	[10016, 10017]	11711	[11921, 2017]
2493	[4200, 3775]	5566	[3360, 7156]	8639	[837, 6365]	11712	[11922, 9712]
2494	[4201, 4202]	5567	[7589, 7590]	8640	[10018, 5197]	11713	[6577, 11923]
2495	[4203, 30]	5568	[7591, 3682]	8641	[6743, 6300]	11714	[11924, 2793]
2496	[4204, 3595]	5569	[3734, 360]	8642	[718, 5629]	11715	[2113, 11925]
2497	[970, 1178]	5570	[4434, 7592]	8643	[10019, 10020]	11716	[2551, 11926]

2498	[4205, 4206]	5571	[7593, 7594]	8644	[5014, 10021]	11717	[862, 876]
2499	[4207, 1391]	5572	[4215, 7595]	8645	[10022, 9398]	11718	[11927, 10973]
2500	[4208, 4209]	5573	[7596, 7597]	8646	[2327, 5638]	11719	[11928, 11331]
2501	[4173, 4210]	5574	[454, 7598]	8647	[5201, 2562]	11720	[11929, 9364]
2502	[4211, 4212]	5575	[4077, 7599]	8648	[10023, 6425]	11721	[3093, 11930]
2503	[96, 1640]	5576	[4653, 1742]	8649	[9500, 10024]	11722	[5286, 11931]
2504	[4213, 3999]	5577	[7396, 1002]	8650	[6068, 10025]	11723	[11932, 5278]
2505	[3, 4214]	5578	[7600, 463]	8651	[10026, 10027]	11724	[11933, 1827]
2506	[357, 4215]	5579	[7546, 7601]	8652	[10028, 9703]	11725	[11934, 149]
2507	[4216, 4217]	5580	[7602, 4870]	8653	[2297, 10029]	11726	[6375, 11935]
2508	[4218, 4219]	5581	[7603, 1294]	8654	[5527, 10030]	11727	[11936, 5773]
2509	[4220, 4221]	5582	[7604, 3628]	8655	[1889, 9640]	11728	[9621, 11937]
2510	[4222, 1777]	5583	[7605, 7606]	8656	[10031, 893]	11729	[11938, 8367]
2511	[4223, 4224]	5584	[7607, 7608]	8657	[1961, 2691]	11730	[1311, 1549]
2512	[4225, 4226]	5585	[3999, 7609]	8658	[10032, 9898]	11731	[1583, 7583]
2513	[4227, 121]	5586	[7610, 7611]	8659	[10033, 6560]	11732	[95, 1639]
2514	[4228, 1176]	5587	[7612, 26]	8660	[9163, 5478]	11733	[11939, 8802]
2515	[3433, 4229]	5588	[7234, 7212]	8661	[10034, 10035]	11734	[10343, 3454]
2516	[4230, 4231]	5589	[7613, 6994]	8662	[9375, 6723]	11735	[11940, 8136]
2517	[4232, 4233]	5590	[1327, 1096]	8663	[6517, 10036]	11736	[11941, 8534]
2518	[4234, 4235]	5591	[4460, 7614]	8664	[5458, 10037]	11737	[7804, 11942]
2519	[4236, 3187]	5592	[7615, 4220]	8665	[5081, 10038]	11738	[7146, 11943]
2520	[4237, 4238]	5593	[290, 7616]	8666	[165, 6906]	11739	[4222, 11694]
2521	[4239, 1534]	5594	[3840, 1198]	8667	[10039, 128]	11740	[11944, 8623]
2522	[1166, 4240]	5595	[7617, 4817]	8668	[10040, 503]	11741	[8378, 11945]
2523	[4241, 4242]	5596	[7618, 7619]	8669	[9636, 10041]	11742	[4225, 11946]
2524	[4243, 4244]	5597	[3598, 7620]	8670	[847, 10042]	11743	[7741, 4788]
2525	[3375, 4245]	5598	[4843, 7621]	8671	[563, 236]	11744	[7531, 8350]
2526	[4246, 355]	5599	[7622, 7623]	8672	[5012, 10043]	11745	[7758, 11947]
2527	[4247, 3341]	5600	[4801, 7624]	8673	[6318, 1857]	11746	[11948, 3408]
2528	[4248, 1040]	5601	[7625, 7626]	8674	[10044, 2841]	11747	[3906, 8508]
2529	[4249, 3809]	5602	[7627, 7628]	8675	[9277, 10045]	11748	[4476, 8289]
2530	[4250, 1311]	5603	[7036, 7629]	8676	[9909, 6714]	11749	[3970, 8443]
2531	[3573, 4251]	5604	[1662, 7546]	8677	[6509, 2688]	11750	[7270, 11949]
2532	[4252, 3765]	5605	[7006, 7096]	8678	[3109, 10046]	11751	[1289, 11950]
2533	[4253, 4254]	5606	[7630, 7265]	8679	[2825, 8859]	11752	[266, 3509]
2534	[4255, 3198]	5607	[3253, 3782]	8680	[9293, 10047]	11753	[7182, 1500]
2535	[4256, 3250]	5608	[7631, 7044]	8681	[10048, 10049]	11754	[4917, 285]
2536	[3557, 1404]	5609	[4923, 4465]	8682	[1936, 10050]	11755	[8748, 278]
2537	[1737, 378]	5610	[7632, 4053]	8683	[8986, 5236]	11756	[3294, 7872]
2538	[963, 4257]	5611	[7633, 7634]	8684	[9269, 2433]	11757	[10496, 11951]
2539	[4258, 4259]	5612	[7635, 4152]	8685	[9407, 9351]	11758	[271, 7491]
2540	[4260, 4261]	5613	[7084, 7636]	8686	[10051, 5158]	11759	[8036, 11952]
2541	[4262, 4263]	5614	[7637, 3333]	8687	[10052, 9984]	11760	[4185, 10811]

2542	[103, 4264]	5615	[4092, 3466]	8688	[1870, 2446]	11761	[11552, 7747]
2543	[4265, 4266]	5616	[7623, 3477]	8689	[909, 8889]	11762	[10830, 10373]
2544	[4267, 4268]	5617	[7638, 7639]	8690	[2251, 6063]	11763	[3946, 11953]
2545	[4269, 962]	5618	[7640, 7046]	8691	[5612, 6925]	11764	[91, 11954]
2546	[4270, 1240]	5619	[7076, 7641]	8692	[10053, 2182]	11765	[7721, 973]
2547	[4271, 4272]	5620	[3122, 1221]	8693	[6554, 6908]	11766	[3297, 11955]
2548	[334, 4273]	5621	[7642, 469]	8694	[6512, 10054]	11767	[8242, 8723]
2549	[4274, 4275]	5622	[4667, 7643]	8695	[9949, 2839]	11768	[8448, 11956]
2550	[4276, 4277]	5623	[7644, 7645]	8696	[10055, 10056]	11769	[8384, 1521]
2551	[4278, 4279]	5624	[7646, 7647]	8697	[834, 10057]	11770	[3995, 8193]
2552	[1349, 4280]	5625	[7464, 3651]	8698	[9381, 10058]	11771	[10301, 10394]
2553	[4281, 4282]	5626	[7648, 7649]	8699	[9676, 10059]	11772	[10351, 8762]
2554	[4283, 4284]	5627	[1726, 7391]	8700	[9869, 5416]	11773	[4345, 4857]
2555	[4285, 1116]	5628	[7650, 1042]	8701	[9084, 9123]	11774	[4838, 11957]
2556	[3576, 4286]	5629	[7651, 7555]	8702	[9617, 5528]	11775	[401, 10912]
2557	[4287, 3131]	5630	[1385, 3455]	8703	[2189, 5830]	11776	[11958, 1372]
2558	[980, 3470]	5631	[6976, 1253]	8704	[9697, 10060]	11777	[8589, 11959]
2559	[4288, 4289]	5632	[3347, 7652]	8705	[9055, 10061]	11778	[3656, 8615]
2560	[4290, 3316]	5633	[7653, 425]	8706	[9168, 2765]	11779	[11960, 10553]
2561	[4291, 4292]	5634	[3973, 7654]	8707	[5211, 6445]	11780	[7476, 11961]
2562	[4293, 3935]	5635	[7655, 7656]	8708	[9008, 10062]	11781	[7258, 11962]
2563	[374, 4294]	5636	[7657, 7658]	8709	[10063, 6597]	11782	[7416, 4061]
2564	[4295, 4296]	5637	[7659, 7469]	8710	[5686, 2334]	11783	[1025, 1043]
2565	[4297, 4298]	5638	[7660, 4286]	8711	[846, 2511]	11784	[11963, 7941]
2566	[4299, 3715]	5639	[4583, 4106]	8712	[9279, 2050]	11785	[4688, 11964]
2567	[4300, 1761]	5640	[7661, 7662]	8713	[8931, 6292]	11786	[4349, 11965]
2568	[4301, 453]	5641	[7663, 4089]	8714	[3057, 9243]	11787	[429, 4128]
2569	[4302, 3190]	5642	[7267, 3819]	8715	[10064, 5853]	11788	[8516, 1678]
2570	[4303, 4304]	5643	[7664, 1288]	8716	[8857, 9541]	11789	[4717, 11966]
2571	[4305, 3985]	5644	[7665, 1565]	8717	[8875, 9080]	11790	[8373, 10751]
2572	[4306, 4307]	5645	[4540, 7666]	8718	[6250, 6242]	11791	[3197, 1611]
2573	[1304, 367]	5646	[1293, 7667]	8719	[6616, 10065]	11792	[447, 10722]
2574	[4308, 4309]	5647	[3206, 7668]	8720	[894, 10066]	11793	[3910, 11967]
2575	[4310, 1589]	5648	[7669, 3792]	8721	[10067, 6015]	11794	[11968, 3436]
2576	[4311, 3833]	5649	[7670, 4248]	8722	[10068, 10069]	11795	[7557, 7853]
2577	[4312, 3426]	5650	[7330, 7671]	8723	[10070, 10071]	11796	[11969, 7636]
2578	[4313, 4314]	5651	[7672, 4839]	8724	[2185, 6377]	11797	[1728, 10139]
2579	[4315, 4316]	5652	[1376, 3664]	8725	[31, 6704]	11798	[4292, 10500]
2580	[4317, 4318]	5653	[1114, 7673]	8726	[5004, 1976]	11799	[6984, 4391]
2581	[369, 4319]	5654	[3221, 7674]	8727	[9998, 10072]	11800	[1123, 17]
2582	[4320, 4321]	5655	[7675, 7676]	8728	[9114, 10073]	11801	[304, 11970]
2583	[4322, 4323]	5656	[434, 7677]	8729	[5582, 10074]	11802	[11971, 10160]
2584	[4324, 4325]	5657	[7103, 7678]	8730	[10075, 2843]	11803	[3582, 11972]
2585	[4326, 1755]	5658	[3240, 7679]	8731	[10076, 553]	11804	[11553, 3201]

2586	[4327, 4328]	5659	[7680, 4829]	8732	[5597, 2465]	11805	[11973, 1299]
2587	[4329, 4330]	5660	[7681, 7675]	8733	[9487, 1875]	11806	[10157, 4335]
2588	[1499, 3904]	5661	[7682, 7499]	8734	[10077, 6870]	11807	[11974, 10588]
2589	[4331, 4332]	5662	[7683, 7065]	8735	[10078, 34]	11808	[7363, 11975]
2590	[4333, 4334]	5663	[4366, 4868]	8736	[10079, 9628]	11809	[11536, 1101]
2591	[3210, 1452]	5664	[7684, 1681]	8737	[10080, 638]	11810	[3841, 8773]
2592	[4335, 4336]	5665	[1461, 7685]	8738	[2123, 9661]	11811	[3751, 8016]
2593	[4337, 4338]	5666	[4180, 7686]	8739	[5908, 10081]	11812	[1184, 11976]
2594	[4038, 4339]	5667	[7687, 4760]	8740	[6591, 5375]	11813	[1360, 11977]
2595	[4340, 3536]	5668	[7653, 4382]	8741	[10082, 9622]	11814	[7719, 7300]
2596	[4341, 1078]	5669	[7688, 7689]	8742	[10083, 9330]	11815	[7865, 11978]
2597	[4342, 4343]	5670	[7690, 7691]	8743	[8961, 10084]	11816	[3286, 4048]
2598	[4344, 24]	5671	[7692, 3161]	8744	[10085, 5659]	11817	[11979, 10161]
2599	[4345, 4346]	5672	[1140, 3523]	8745	[10086, 3010]	11818	[10934, 4373]
2600	[4347, 4348]	5673	[7693, 7694]	8746	[5251, 5642]	11819	[1637, 1291]
2601	[4349, 4350]	5674	[7695, 7696]	8747	[6416, 5413]	11820	[11980, 8261]
2602	[4351, 1148]	5675	[3136, 959]	8748	[6612, 6824]	11821	[3965, 8425]
2603	[1017, 4352]	5676	[7697, 4726]	8749	[5532, 6598]	11822	[1498, 10253]
2604	[4353, 4354]	5677	[7698, 7699]	8750	[5910, 517]	11823	[3846, 11981]
2605	[409, 3622]	5678	[7700, 7701]	8751	[10087, 6626]	11824	[3254, 11982]
2606	[413, 3896]	5679	[7702, 3783]	8752	[9150, 10088]	11825	[8075, 4943]
2607	[4355, 1199]	5680	[7703, 7704]	8753	[2145, 10089]	11826	[3802, 4203]
2608	[4356, 3395]	5681	[7705, 407]	8754	[2243, 9797]	11827	[1590, 8771]
2609	[4357, 4358]	5682	[3748, 7706]	8755	[6898, 2435]	11828	[8383, 7369]
2610	[4359, 4360]	5683	[7707, 7708]	8756	[9918, 5169]	11829	[11983, 4490]
2611	[4361, 410]	5684	[7709, 7710]	8757	[5486, 10090]	11830	[3833, 1503]
2612	[4362, 4363]	5685	[3200, 1526]	8758	[9799, 2807]	11831	[3198, 4950]
2613	[3438, 4364]	5686	[7711, 7712]	8759	[6630, 10091]	11832	[4904, 3958]
2614	[4365, 1431]	5687	[7713, 7714]	8760	[2644, 6184]	11833	[11984, 7678]
2615	[4366, 4367]	5688	[3486, 7715]	8761	[10092, 5255]	11834	[11985, 3343]
2616	[4368, 4369]	5689	[7021, 7716]	8762	[10093, 5369]	11835	[1464, 11986]
2617	[3957, 4370]	5690	[7717, 7718]	8763	[2225, 9390]	11836	[10167, 1417]
2618	[4371, 4372]	5691	[3967, 4420]	8764	[6075, 10094]	11837	[1324, 11987]
2619	[1483, 4373]	5692	[7719, 3546]	8765	[10072, 9131]	11838	[961, 11988]
2620	[4374, 1242]	5693	[7346, 1122]	8766	[556, 6206]	11839	[957, 8381]
2621	[3776, 4375]	5694	[7720, 3484]	8767	[6129, 2230]	11840	[1174, 4331]
2622	[4376, 4377]	5695	[4157, 7488]	8768	[10095, 706]	11841	[4169, 3911]
2623	[4378, 1407]	5696	[960, 1699]	8769	[10096, 6849]	11842	[4649, 3349]
2624	[3626, 1671]	5697	[7721, 3857]	8770	[10097, 2671]	11843	[8253, 4739]
2625	[4379, 3154]	5698	[7722, 7723]	8771	[5345, 2494]	11844	[1252, 7866]
2626	[4380, 4381]	5699	[1699, 332]	8772	[6411, 10098]	11845	[8184, 364]
2627	[1694, 3210]	5700	[7724, 1709]	8773	[10099, 6476]	11846	[1023, 11989]
2628	[4382, 4383]	5701	[7725, 7726]	8774	[10100, 9868]	11847	[7180, 11990]
2629	[4384, 3753]	5702	[4927, 1062]	8775	[9995, 10101]	11848	[11991, 1100]

2630	[4385, 4386]	5703	[448, 7727]	8776	[9571, 5875]	11849	[3167, 7631]
2631	[463, 1305]	5704	[7728, 3146]	8777	[10102, 9644]	11850	[7993, 8606]
2632	[4387, 4309]	5705	[7729, 7730]	8778	[9615, 10103]	11851	[4846, 11992]
2633	[4388, 4389]	5706	[3675, 3594]	8779	[9736, 5579]	11852	[3920, 3313]
2634	[4390, 4351]	5707	[3372, 7731]	8780	[10104, 2876]	11853	[7031, 4702]
2635	[4391, 366]	5708	[7732, 7733]	8781	[6601, 2749]	11854	[4124, 11993]
2636	[4392, 4393]	5709	[7734, 7735]	8782	[9164, 5643]	11855	[320, 11994]
2637	[4394, 3277]	5710	[4769, 4143]	8783	[10105, 9602]	11856	[1039, 11995]
2638	[1221, 4111]	5711	[7736, 4051]	8784	[6125, 5573]	11857	[8403, 11996]
2639	[4395, 3148]	5712	[3867, 7737]	8785	[2793, 1995]	11858	[7317, 11997]
2640	[3451, 3319]	5713	[7738, 1453]	8786	[6379, 10106]	11859	[3520, 11998]
2641	[3178, 4396]	5714	[4726, 7739]	8787	[5885, 9051]	11860	[1012, 4523]
2642	[4397, 4398]	5715	[7740, 7741]	8788	[10107, 6044]	11861	[11999, 8580]
2643	[4399, 4400]	5716	[7742, 7743]	8789	[2524, 10108]	11862	[3843, 4213]
2644	[4401, 4326]	5717	[7744, 1253]	8790	[10109, 1888]	11863	[1069, 12000]
2645	[3548, 4402]	5718	[7745, 7746]	8791	[2623, 729]	11864	[1777, 7116]
2646	[4403, 3139]	5719	[4033, 7747]	8792	[10110, 2534]	11865	[7392, 7798]
2647	[4404, 4405]	5720	[7748, 1227]	8793	[9473, 5379]	11866	[1216, 4173]
2648	[4406, 4407]	5721	[7749, 7364]	8794	[10111, 6019]	11867	[3123, 4161]
2649	[4408, 3403]	5722	[1526, 1763]	8795	[5416, 10112]	11868	[1651, 12001]
2650	[4409, 4311]	5723	[3124, 7031]	8796	[9928, 6405]	11869	[1736, 7735]
2651	[4410, 1739]	5724	[4418, 7750]	8797	[8863, 9201]	11870	[1496, 8764]
2652	[4411, 4412]	5725	[7751, 3303]	8798	[10113, 10114]	11871	[8305, 10669]
2653	[4413, 4414]	5726	[1738, 379]	8799	[10115, 2001]	11872	[7289, 12002]
2654	[4415, 4416]	5727	[7752, 1084]	8800	[9356, 10116]	11873	[3357, 12003]
2655	[4417, 4119]	5728	[7753, 7150]	8801	[10117, 1939]	11874	[4437, 12004]
2656	[4418, 4419]	5729	[7754, 7755]	8802	[10118, 5284]	11875	[293, 12005]
2657	[4420, 3542]	5730	[7756, 7757]	8803	[10111, 6454]	11876	[368, 4559]
2658	[4421, 4422]	5731	[7758, 7759]	8804	[10119, 6376]	11877	[12006, 4032]
2659	[4245, 3424]	5732	[7287, 1250]	8805	[10120, 2546]	11878	[4026, 12007]
2660	[4423, 1141]	5733	[7760, 4081]	8806	[6160, 10121]	11879	[3158, 466]
2661	[4424, 4425]	5734	[7761, 7430]	8807	[9554, 10122]	11880	[3624, 12008]
2662	[4426, 4427]	5735	[7762, 4603]	8808	[9522, 2361]	11881	[8700, 12009]
2663	[4428, 4429]	5736	[4897, 7763]	8809	[9075, 3097]	11882	[12010, 8123]
2664	[4119, 3371]	5737	[1160, 7764]	8810	[10123, 9156]	11883	[10528, 12011]
2665	[4430, 4431]	5738	[7571, 7765]	8811	[2669, 6687]	11884	[4343, 1652]
2666	[4432, 4433]	5739	[7766, 7749]	8812	[6390, 179]	11885	[4369, 8263]
2667	[4434, 4435]	5740	[3418, 7767]	8813	[5697, 10124]	11886	[4132, 4756]
2668	[4436, 3511]	5741	[7768, 6991]	8814	[10125, 9173]	11887	[8728, 462]
2669	[4437, 4438]	5742	[1532, 7769]	8815	[10126, 2754]	11888	[8366, 12012]
2670	[375, 4439]	5743	[7770, 3598]	8816	[10127, 1306]	11889	[12013, 449]
2671	[4440, 4441]	5744	[7771, 7772]	8817	[10128, 1399]	11890	[1682, 12014]
2672	[4442, 1135]	5745	[7773, 4360]	8818	[10129, 1514]	11891	[12015, 8595]
2673	[1191, 4443]	5746	[3977, 7774]	8819	[4632, 1349]	11892	[10640, 8334]

2674	[4444, 4445]	5747	[7775, 7776]	8820	[7974, 3392]	11893	[12016, 7084]
2675	[3591, 4446]	5748	[7777, 3921]	8821	[10130, 8331]	11894	[8005, 1213]
2676	[100, 4447]	5749	[7506, 7778]	8822	[10131, 10132]	11895	[12017, 4983]
2677	[4448, 1053]	5750	[7779, 4957]	8823	[1141, 10133]	11896	[7057, 12018]
2678	[4449, 4450]	5751	[7780, 7781]	8824	[10134, 10135]	11897	[1432, 12019]
2679	[3823, 4451]	5752	[7782, 4929]	8825	[10136, 10137]	11898	[12020, 8702]
2680	[1733, 4452]	5753	[4509, 7783]	8826	[4102, 10138]	11899	[3657, 8616]
2681	[4453, 3308]	5754	[7784, 7785]	8827	[7328, 10139]	11900	[1684, 10736]
2682	[3601, 4454]	5755	[7786, 7787]	8828	[7984, 261]	11901	[1026, 12021]
2683	[4455, 4456]	5756	[1105, 1236]	8829	[10140, 8243]	11902	[7342, 10152]
2684	[3786, 4457]	5757	[7788, 1402]	8830	[10141, 10142]	11903	[4513, 10726]
2685	[3284, 1323]	5758	[7789, 7790]	8831	[3558, 10143]	11904	[12022, 3376]
2686	[1279, 4458]	5759	[3522, 4420]	8832	[3769, 3658]	11905	[4432, 8725]
2687	[4459, 3968]	5760	[3432, 1174]	8833	[10144, 4257]	11906	[12023, 4244]
2688	[4460, 4461]	5761	[7791, 4667]	8834	[4063, 10145]	11907	[3917, 4191]
2689	[4462, 3168]	5762	[3851, 7792]	8835	[10146, 8520]	11908	[65, 8187]
2690	[4463, 4464]	5763	[7793, 7794]	8836	[10147, 451]	11909	[4144, 12024]
2691	[4465, 3756]	5764	[7795, 7796]	8837	[452, 7656]	11910	[12025, 3852]
2692	[4466, 3214]	5765	[7797, 3957]	8838	[8296, 8355]	11911	[1746, 7356]
2693	[1452, 3679]	5766	[7798, 7799]	8839	[10148, 10149]	11912	[7550, 12026]
2694	[4467, 4468]	5767	[3733, 7800]	8840	[3961, 10150]	11913	[7677, 7382]
2695	[4469, 3951]	5768	[4007, 7801]	8841	[10151, 3129]	11914	[12027, 7649]
2696	[4470, 4471]	5769	[7802, 7803]	8842	[7938, 1284]	11915	[289, 4845]
2697	[4472, 4350]	5770	[7804, 7805]	8843	[8608, 8262]	11916	[3261, 4285]
2698	[4068, 4473]	5771	[7806, 7807]	8844	[10152, 7095]	11917	[10611, 7400]
2699	[4474, 4475]	5772	[4526, 4081]	8845	[291, 10153]	11918	[1550, 7738]
2700	[1739, 4476]	5773	[7808, 7809]	8846	[10154, 7623]	11919	[3957, 12028]
2701	[4477, 4478]	5774	[7810, 7811]	8847	[7375, 10155]	11920	[12029, 7107]
2702	[4479, 3818]	5775	[4949, 7812]	8848	[10156, 8627]	11921	[4451, 3487]
2703	[4480, 4481]	5776	[7813, 7814]	8849	[10157, 7001]	11922	[3237, 12030]
2704	[4482, 4483]	5777	[4850, 1617]	8850	[10158, 1274]	11923	[12031, 3684]
2705	[4484, 4485]	5778	[7815, 7816]	8851	[10159, 10160]	11924	[75, 12032]
2706	[3665, 4486]	5779	[7817, 7477]	8852	[3199, 1525]	11925	[12033, 10587]
2707	[4487, 4488]	5780	[3689, 7818]	8853	[4672, 7146]	11926	[12034, 10404]
2708	[4489, 3785]	5781	[71, 4820]	8854	[10148, 10161]	11927	[3483, 12035]
2709	[3501, 4490]	5782	[7819, 7820]	8855	[1235, 10162]	11928	[7425, 7683]
2710	[348, 4491]	5783	[1244, 3780]	8856	[10163, 1315]	11929	[10265, 7602]
2711	[4492, 4493]	5784	[7821, 7745]	8857	[4554, 10164]	11930	[3181, 328]
2712	[4494, 4495]	5785	[3767, 978]	8858	[1054, 8253]	11931	[12036, 4080]
2713	[4496, 4497]	5786	[3161, 7822]	8859	[10165, 8689]	11932	[1245, 12037]
2714	[4498, 1559]	5787	[7823, 3625]	8860	[8660, 7035]	11933	[265, 10276]
2715	[4499, 1443]	5788	[7824, 3446]	8861	[3399, 7131]	11934	[4599, 12038]
2716	[4500, 22]	5789	[3162, 7825]	8862	[10166, 3303]	11935	[7835, 118]
2717	[4501, 3524]	5790	[4888, 7826]	8863	[10167, 1416]	11936	[8408, 12039]

2718	[4502, 4401]	5791	[7827, 7828]	8864	[4736, 96]	11937	[7925, 7345]
2719	[4503, 4504]	5792	[3686, 7829]	8865	[10168, 3811]	11938	[6259, 12040]
2720	[4505, 4506]	5793	[7352, 1247]	8866	[10169, 10170]	11939	[6931, 6065]
2721	[4507, 3783]	5794	[7783, 7830]	8867	[10171, 1282]	11940	[11317, 2287]
2722	[1103, 1711]	5795	[7831, 7832]	8868	[3599, 10172]	11941	[6173, 12041]
2723	[103, 4508]	5796	[7833, 7390]	8869	[10173, 413]	11942	[12042, 6450]
2724	[4509, 4510]	5797	[3754, 3806]	8870	[6999, 8087]	11943	[12043, 5414]
2725	[4511, 4512]	5798	[4863, 1486]	8871	[1417, 4855]	11944	[9231, 12044]
2726	[4513, 3558]	5799	[7834, 7835]	8872	[3968, 1505]	11945	[12045, 5808]
2727	[4514, 3917]	5800	[3139, 992]	8873	[4818, 10174]	11946	[12046, 10101]
2728	[1341, 4515]	5801	[7836, 1759]	8874	[8561, 3418]	11947	[12047, 2263]
2729	[1348, 4516]	5802	[3590, 7837]	8875	[4218, 257]	11948	[9760, 12048]
2730	[4517, 1491]	5803	[7838, 4601]	8876	[7410, 10175]	11949	[12049, 9324]
2731	[4518, 4519]	5804	[7839, 7840]	8877	[10176, 3793]	11950	[12050, 36]
2732	[389, 4520]	5805	[7841, 4299]	8878	[3507, 10177]	11951	[12051, 10004]
2733	[4521, 4522]	5806	[1638, 7842]	8879	[10178, 7446]	11952	[12052, 3057]
2734	[3272, 4523]	5807	[7843, 7844]	8880	[4938, 10179]	11953	[12053, 5381]
2735	[4524, 4525]	5808	[7845, 7846]	8881	[1364, 10180]	11954	[12054, 6889]
2736	[4526, 3248]	5809	[7847, 7848]	8882	[10181, 7308]	11955	[12055, 11794]
2737	[284, 4278]	5810	[7849, 3842]	8883	[10154, 3476]	11956	[12056, 2107]
2738	[1505, 4527]	5811	[6990, 416]	8884	[8540, 7408]	11957	[12057, 5960]
2739	[4528, 4318]	5812	[7850, 7851]	8885	[7895, 10182]	11958	[5760, 2514]
2740	[4529, 4530]	5813	[7852, 1520]	8886	[10183, 7704]	11959	[12058, 3104]
2741	[956, 4531]	5814	[3196, 3794]	8887	[10184, 10185]	11960	[5003, 1947]
2742	[488, 4150]	5815	[7060, 7853]	8888	[8672, 10186]	11961	[12059, 12060]
2743	[1482, 4282]	5816	[1253, 3871]	8889	[7931, 3445]	11962	[12061, 2989]
2744	[4532, 4533]	5817	[7854, 1556]	8890	[10187, 3280]	11963	[6953, 11443]
2745	[4534, 4535]	5818	[1536, 7855]	8891	[10188, 3130]	11964	[12062, 2810]
2746	[4536, 363]	5819	[7856, 4144]	8892	[3324, 10189]	11965	[12063, 5623]
2747	[4537, 4538]	5820	[7367, 351]	8893	[4289, 7145]	11966	[12064, 3008]
2748	[4539, 4141]	5821	[7857, 3609]	8894	[4954, 10190]	11967	[12065, 11453]
2749	[4540, 4541]	5822	[3928, 4667]	8895	[4718, 10191]	11968	[11330, 12066]
2750	[4542, 4516]	5823	[7690, 7858]	8896	[8019, 10192]	11969	[10126, 6134]
2751	[1278, 4543]	5824	[7859, 7860]	8897	[4128, 3740]	11970	[12067, 2632]
2752	[4544, 3440]	5825	[7861, 1297]	8898	[10193, 8511]	11971	[2255, 9392]
2753	[4545, 4546]	5826	[4239, 3397]	8899	[10194, 23]	11972	[12068, 2719]
2754	[3343, 4547]	5827	[4869, 7862]	8900	[10195, 10196]	11973	[9740, 12069]
2755	[4548, 3334]	5828	[4510, 7830]	8901	[3913, 4632]	11974	[1884, 12070]
2756	[3735, 4549]	5829	[7644, 7863]	8902	[10197, 10198]	11975	[9780, 5051]
2757	[3430, 4064]	5830	[7693, 7864]	8903	[10199, 7626]	11976	[12071, 711]
2758	[4550, 4551]	5831	[7865, 7866]	8904	[4340, 10200]	11977	[12072, 1969]
2759	[4552, 4553]	5832	[7867, 1566]	8905	[10201, 8080]	11978	[12073, 9730]
2760	[4554, 3785]	5833	[3232, 7868]	8906	[8269, 7088]	11979	[6130, 12074]
2761	[4555, 3143]	5834	[7869, 7600]	8907	[10202, 3894]	11980	[8845, 2617]

2762	[4556, 4176]	5835	[7870, 7871]	8908	[10203, 8637]	11981	[12075, 5227]
2763	[4557, 1060]	5836	[7872, 7873]	8909	[7527, 1237]	11982	[12076, 2242]
2764	[383, 4558]	5837	[7463, 4877]	8910	[3768, 10204]	11983	[11370, 12077]
2765	[4559, 4319]	5838	[7874, 4009]	8911	[10205, 7362]	11984	[6355, 6494]
2766	[3132, 4038]	5839	[3251, 3526]	8912	[8561, 10206]	11985	[5469, 6607]
2767	[1505, 4560]	5840	[67, 7875]	8913	[10207, 7896]	11986	[12078, 9306]
2768	[4561, 3772]	5841	[4286, 7327]	8914	[7319, 10208]	11987	[12079, 5953]
2769	[3788, 4562]	5842	[7876, 124]	8915	[10209, 3722]	11988	[12080, 9384]
2770	[967, 4563]	5843	[7877, 108]	8916	[3853, 3508]	11989	[12081, 5711]
2771	[3679, 4564]	5844	[7318, 7878]	8917	[1691, 4541]	11990	[12082, 5104]
2772	[4565, 1167]	5845	[7879, 7042]	8918	[10210, 7102]	11991	[6869, 2048]
2773	[4566, 4567]	5846	[3158, 380]	8919	[10211, 423]	11992	[12083, 6259]
2774	[4568, 3781]	5847	[3452, 7880]	8920	[7875, 8114]	11993	[12084, 6542]
2775	[4569, 4570]	5848	[1168, 7881]	8921	[10212, 7376]	11994	[12085, 772]
2776	[4571, 4572]	5849	[7882, 4852]	8922	[10213, 4348]	11995	[12086, 5820]
2777	[4573, 4497]	5850	[3427, 7883]	8923	[3963, 1135]	11996	[12087, 6520]
2778	[4327, 4574]	5851	[24, 7033]	8924	[10214, 4351]	11997	[12088, 5247]
2779	[4575, 4576]	5852	[4723, 7884]	8925	[10195, 10215]	11998	[12089, 9486]
2780	[4577, 4578]	5853	[7885, 7104]	8926	[10216, 1539]	11999	[9951, 2125]
2781	[345, 4579]	5854	[4855, 7886]	8927	[4059, 4823]	12000	[12090, 3059]
2782	[4580, 4581]	5855	[4050, 7887]	8928	[4299, 8364]	12001	[12091, 6270]
2783	[4582, 4583]	5856	[7888, 4131]	8929	[8676, 10217]	12002	[12092, 11039]
2784	[4584, 4585]	5857	[7208, 7889]	8930	[10218, 4369]	12003	[12093, 2625]
2785	[4586, 4587]	5858	[7582, 7890]	8931	[3696, 8243]	12004	[12094, 2970]
2786	[4588, 4589]	5859	[7891, 1746]	8932	[6988, 10219]	12005	[12095, 6782]
2787	[3140, 4590]	5860	[421, 330]	8933	[8546, 1704]	12006	[6289, 534]
2788	[4591, 3233]	5861	[4687, 4878]	8934	[10220, 10221]	12007	[12096, 9044]
2789	[4592, 4593]	5862	[7892, 7105]	8935	[3897, 10222]	12008	[12097, 1878]
2790	[4594, 3722]	5863	[4717, 7662]	8936	[7438, 1248]	12009	[12098, 9261]
2791	[4595, 4596]	5864	[4837, 1706]	8937	[10223, 3618]	12010	[1985, 6591]
2792	[4597, 3738]	5865	[7893, 7515]	8938	[8775, 1320]	12011	[12099, 6476]
2793	[4598, 3351]	5866	[7024, 7894]	8939	[4004, 4577]	12012	[12100, 10071]
2794	[4599, 4600]	5867	[7895, 7896]	8940	[8572, 4575]	12013	[8906, 12101]
2795	[338, 3778]	5868	[7897, 7898]	8941	[10224, 8475]	12014	[12102, 6628]
2796	[3151, 3408]	5869	[7899, 4652]	8942	[4571, 10225]	12015	[6317, 1856]
2797	[4019, 4601]	5870	[1045, 7900]	8943	[10226, 6978]	12016	[6216, 9338]
2798	[4602, 3618]	5871	[7901, 4686]	8944	[10227, 7403]	12017	[5174, 12103]
2799	[4603, 4481]	5872	[3882, 7805]	8945	[10228, 7570]	12018	[12104, 6664]
2800	[1689, 280]	5873	[7902, 7903]	8946	[4262, 10229]	12019	[12105, 1860]
2801	[4604, 4605]	5874	[437, 7904]	8947	[1219, 4395]	12020	[2690, 12106]
2802	[4606, 4607]	5875	[7905, 1600]	8948	[4696, 4615]	12021	[12107, 1950]
2803	[4608, 4609]	5876	[7703, 7906]	8949	[8116, 10230]	12022	[11163, 12060]
2804	[4610, 4611]	5877	[7907, 1181]	8950	[10231, 3179]	12023	[650, 8854]
2805	[1569, 4612]	5878	[4750, 7908]	8951	[10232, 3482]	12024	[12108, 11371]

2806	[4613, 4614]	5879	[7909, 7910]	8952	[1104, 1235]	12025	[5445, 12109]
2807	[4615, 4616]	5880	[7911, 1388]	8953	[4822, 10233]	12026	[12110, 6179]
2808	[988, 3719]	5881	[7912, 3582]	8954	[8223, 3444]	12027	[6803, 2201]
2809	[3566, 4617]	5882	[3745, 7561]	8955	[10234, 4939]	12028	[12111, 5859]
2810	[4618, 4619]	5883	[7913, 7458]	8956	[378, 10235]	12029	[5866, 945]
2811	[4082, 1619]	5884	[3805, 4736]	8957	[10236, 10237]	12030	[12112, 8974]
2812	[66, 4620]	5885	[3915, 7914]	8958	[8523, 7718]	12031	[6661, 853]
2813	[4621, 4142]	5886	[7915, 4623]	8959	[1241, 10238]	12032	[12113, 9335]
2814	[4622, 1466]	5887	[1441, 7801]	8960	[1397, 4192]	12033	[2969, 1831]
2815	[4623, 3528]	5888	[7916, 7575]	8961	[1061, 10239]	12034	[5586, 12114]
2816	[4624, 4625]	5889	[4574, 7917]	8962	[3195, 3793]	12035	[12115, 9062]
2817	[1263, 4325]	5890	[7261, 7918]	8963	[1063, 10240]	12036	[9652, 2175]
2818	[4626, 459]	5891	[7919, 7920]	8964	[4421, 10241]	12037	[12116, 6703]
2819	[4627, 4628]	5892	[7921, 4641]	8965	[10242, 4935]	12038	[12117, 5242]
2820	[270, 1629]	5893	[1086, 4738]	8966	[4143, 10243]	12039	[12118, 515]
2821	[4629, 4630]	5894	[7922, 7923]	8967	[10244, 4647]	12040	[12119, 7584]
2822	[4511, 4631]	5895	[4678, 7924]	8968	[7266, 10245]	12041	[12120, 3983]
2823	[4632, 4363]	5896	[4815, 7925]	8969	[3244, 8490]	12042	[27, 10643]
2824	[4633, 4634]	5897	[396, 7926]	8970	[7716, 10246]	12043	[7530, 12121]
2825	[1556, 4635]	5898	[7927, 3276]	8971	[10247, 1234]	12044	[3498, 3362]
2826	[4636, 4637]	5899	[1398, 7928]	8972	[7453, 10248]	12045	[10613, 12122]
2827	[4638, 4639]	5900	[7929, 1784]	8973	[10249, 1594]	12046	[383, 12123]
2828	[4640, 4641]	5901	[7930, 7931]	8974	[8628, 3167]	12047	[4328, 12124]
2829	[4642, 3364]	5902	[7515, 92]	8975	[10250, 7299]	12048	[3854, 281]
2830	[1175, 4332]	5903	[1592, 424]	8976	[10168, 8306]	12049	[7836, 1567]
2831	[4643, 4644]	5904	[7932, 1079]	8977	[4022, 3473]	12050	[10376, 12125]
2832	[3721, 4491]	5905	[7933, 7934]	8978	[10251, 10252]	12051	[3523, 1109]
2833	[4645, 4646]	5906	[7935, 1767]	8979	[10253, 8084]	12052	[959, 3906]
2834	[4647, 4648]	5907	[7936, 3310]	8980	[423, 10254]	12053	[8610, 12126]
2835	[1673, 4072]	5908	[7937, 7938]	8981	[8054, 10255]	12054	[3121, 1220]
2836	[4649, 4650]	5909	[7939, 1022]	8982	[4532, 488]	12055	[7349, 12127]
2837	[1781, 4651]	5910	[7940, 1005]	8983	[1094, 10256]	12056	[3228, 12128]
2838	[4652, 1015]	5911	[7397, 7814]	8984	[8624, 10257]	12057	[3349, 12129]
2839	[1237, 3838]	5912	[7941, 7942]	8985	[6980, 3836]	12058	[10836, 12130]
2840	[4653, 4654]	5913	[7943, 7944]	8986	[8162, 4501]	12059	[77, 12131]
2841	[4655, 4461]	5914	[3278, 7945]	8987	[4943, 1622]	12060	[12132, 7119]
2842	[4656, 4657]	5915	[7585, 4801]	8988	[10258, 3181]	12061	[8645, 12133]
2843	[1368, 4658]	5916	[3457, 7946]	8989	[10259, 7270]	12062	[8380, 7153]
2844	[4659, 4660]	5917	[4351, 100]	8990	[3921, 10260]	12063	[1705, 3736]
2845	[4661, 1488]	5918	[1717, 304]	8991	[3511, 4538]	12064	[3667, 12134]
2846	[3399, 104]	5919	[7947, 7948]	8992	[1251, 7865]	12065	[8432, 12135]
2847	[4662, 4663]	5920	[7949, 7950]	8993	[7316, 4223]	12066	[7095, 4903]
2848	[4664, 4665]	5921	[7951, 3743]	8994	[4828, 10261]	12067	[4770, 8638]
2849	[1133, 4666]	5922	[7952, 7723]	8995	[10262, 8087]	12068	[3800, 12136]

2850	[4261, 1645]	5923	[7953, 7641]	8996	[8764, 10263]	12069	[11975, 8113]
2851	[1271, 3887]	5924	[3648, 7954]	8997	[10264, 7628]	12070	[7151, 1751]
2852	[4667, 1375]	5925	[7955, 1215]	8998	[10265, 4869]	12071	[7970, 12137]
2853	[3728, 4668]	5926	[3322, 7956]	8999	[4430, 7843]	12072	[3315, 12138]
2854	[6, 4669]	5927	[7957, 4199]	9000	[1418, 7886]	12073	[4499, 7262]
2855	[4636, 3412]	5928	[3214, 1338]	9001	[10266, 1516]	12074	[12139, 3919]
2856	[4670, 4101]	5929	[7958, 7959]	9002	[10267, 3857]	12075	[8785, 7225]
2857	[4671, 1694]	5930	[7960, 7685]	9003	[10268, 7816]	12076	[7072, 12140]
2858	[4672, 4673]	5931	[4562, 7961]	9004	[8357, 7189]	12077	[8504, 3629]
2859	[1792, 4674]	5932	[7962, 4408]	9005	[1329, 3460]	12078	[7275, 1061]
2860	[4675, 4676]	5933	[7963, 1300]	9006	[298, 10269]	12079	[4757, 4100]
2861	[4677, 4678]	5934	[459, 3892]	9007	[4200, 7334]	12080	[4247, 8046]
2862	[4679, 4680]	5935	[7909, 7964]	9008	[3384, 10270]	12081	[1764, 12141]
2863	[4681, 374]	5936	[312, 7474]	9009	[10271, 1728]	12082	[1268, 12142]
2864	[64, 4682]	5937	[4431, 7844]	9010	[7285, 10272]	12083	[3440, 7728]
2865	[4683, 4269]	5938	[7965, 7966]	9011	[7877, 4773]	12084	[8051, 12143]
2866	[4684, 3666]	5939	[7967, 4398]	9012	[10273, 339]	12085	[8399, 7833]
2867	[1065, 4340]	5940	[6993, 484]	9013	[3397, 10274]	12086	[3265, 12144]
2868	[3248, 4685]	5941	[3426, 7968]	9014	[1226, 8794]	12087	[10540, 7110]
2869	[3661, 3994]	5942	[7969, 1443]	9015	[10275, 3856]	12088	[3335, 12145]
2870	[4686, 3543]	5943	[7159, 7970]	9016	[10276, 3520]	12089	[1754, 12146]
2871	[4687, 4271]	5944	[7897, 7971]	9017	[7012, 3393]	12090	[10514, 12147]
2872	[1551, 1453]	5945	[7972, 3241]	9018	[3213, 4780]	12091	[7949, 12148]
2873	[4688, 4689]	5946	[7973, 1705]	9019	[971, 8389]	12092	[7196, 12149]
2874	[1420, 4690]	5947	[7683, 1133]	9020	[10277, 276]	12093	[337, 12150]
2875	[4691, 4692]	5948	[4810, 7260]	9021	[10278, 8315]	12094	[1296, 3185]
2876	[4498, 1423]	5949	[7974, 7012]	9022	[10279, 8037]	12095	[4208, 8202]
2877	[4693, 343]	5950	[7975, 7090]	9023	[1685, 10280]	12096	[416, 12151]
2878	[4694, 4695]	5951	[7976, 7924]	9024	[8171, 7512]	12097	[3877, 12152]
2879	[4391, 1304]	5952	[7493, 7977]	9025	[4529, 3648]	12098	[3269, 10131]
2880	[4696, 4697]	5953	[7978, 3738]	9026	[10281, 4753]	12099	[3932, 12153]
2881	[3520, 3510]	5954	[7979, 328]	9027	[1009, 4969]	12100	[1000, 12154]
2882	[4698, 4463]	5955	[7306, 4573]	9028	[3275, 10282]	12101	[1034, 7597]
2883	[4699, 3771]	5956	[4067, 4015]	9029	[10283, 1183]	12102	[7254, 12155]
2884	[3775, 4700]	5957	[4763, 4653]	9030	[7199, 1716]	12103	[12156, 7825]
2885	[4701, 4702]	5958	[7980, 1064]	9031	[10284, 3749]	12104	[372, 12157]
2886	[4703, 4704]	5959	[7981, 7771]	9032	[408, 3621]	12105	[1233, 12158]
2887	[4705, 4706]	5960	[7982, 7983]	9033	[4335, 10285]	12106	[12159, 3250]
2888	[455, 4707]	5961	[7984, 4840]	9034	[4795, 7213]	12107	[1304, 7911]
2889	[4708, 3557]	5962	[1071, 7985]	9035	[1029, 3972]	12108	[8043, 8249]
2890	[4709, 4710]	5963	[7986, 7019]	9036	[4693, 10286]	12109	[12160, 10255]
2891	[4711, 3193]	5964	[4237, 7987]	9037	[10287, 7898]	12110	[3300, 7854]
2892	[4712, 1597]	5965	[4240, 3963]	9038	[3183, 307]	12111	[8224, 12161]
2893	[4713, 4094]	5966	[489, 7988]	9039	[7892, 10288]	12112	[7312, 12162]

2894	[3968, 4714]	5967	[7989, 3600]	9040	[10289, 3947]	12113	[7536, 8495]
2895	[4715, 4012]	5968	[7564, 7990]	9041	[1437, 10290]	12114	[12163, 7883]
2896	[4716, 4717]	5969	[7991, 7992]	9042	[3314, 8746]	12115	[1377, 7405]
2897	[4718, 4719]	5970	[7993, 1037]	9043	[8600, 10291]	12116	[4315, 12015]
2898	[4720, 4033]	5971	[7222, 3474]	9044	[10292, 4354]	12117	[4616, 12164]
2899	[4721, 4722]	5972	[7763, 7994]	9045	[10293, 8677]	12118	[3700, 12165]
2900	[4723, 4724]	5973	[7995, 1130]	9046	[3729, 7380]	12119	[9316, 5185]
2901	[4063, 4725]	5974	[7996, 7997]	9047	[1424, 10294]	12120	[6277, 12166]
2902	[4726, 4727]	5975	[4429, 3200]	9048	[10295, 4037]	12121	[12167, 9440]
2903	[4728, 4729]	5976	[7998, 7272]	9049	[993, 10296]	12122	[12168, 223]
2904	[4730, 4731]	5977	[4328, 7917]	9050	[10297, 304]	12123	[12169, 5234]
2905	[1143, 4732]	5978	[7999, 4156]	9051	[8634, 8782]	12124	[12170, 2752]
2906	[4733, 1210]	5979	[7745, 4484]	9052	[10298, 7007]	12125	[12171, 2888]
2907	[3341, 4734]	5980	[8000, 1173]	9053	[4886, 397]	12126	[12172, 9071]
2908	[4735, 4736]	5981	[4266, 8001]	9054	[3688, 8303]	12127	[12173, 8913]
2909	[381, 284]	5982	[8002, 4526]	9055	[4627, 10299]	12128	[12174, 6395]
2910	[3638, 4737]	5983	[7978, 4670]	9056	[10300, 479]	12129	[12175, 648]
2911	[4086, 4738]	5984	[8003, 8004]	9057	[8111, 3834]	12130	[12176, 9103]
2912	[4739, 1522]	5985	[8005, 993]	9058	[3918, 10301]	12131	[12177, 1814]
2913	[4740, 1750]	5986	[8006, 7795]	9059	[10302, 7232]	12132	[6637, 2572]
2914	[4741, 3137]	5987	[4149, 1533]	9060	[340, 3304]	12133	[12178, 5251]
2915	[3981, 4742]	5988	[8007, 4024]	9061	[10303, 10304]	12134	[12179, 587]
2916	[4743, 4341]	5989	[7087, 8008]	9062	[10305, 1379]	12135	[12180, 11889]
2917	[485, 4744]	5990	[4177, 4535]	9063	[1414, 3734]	12136	[12181, 205]
2918	[4745, 4746]	5991	[8009, 7426]	9064	[4612, 8180]	12137	[12182, 8973]
2919	[4747, 4748]	5992	[8010, 8011]	9065	[4583, 10306]	12138	[12183, 5970]
2920	[4675, 4749]	5993	[7256, 8012]	9066	[3936, 4623]	12139	[9593, 11111]
2921	[4750, 4751]	5994	[4905, 8013]	9067	[4584, 10307]	12140	[12184, 2262]
2922	[4752, 4753]	5995	[8014, 1524]	9068	[7227, 10308]	12141	[12185, 2580]
2923	[4588, 1206]	5996	[86, 3913]	9069	[10309, 10310]	12142	[12186, 6279]
2924	[4754, 4755]	5997	[7112, 8015]	9070	[4256, 10311]	12143	[12187, 6487]
2925	[4756, 1692]	5998	[4066, 403]	9071	[10312, 7058]	12144	[12188, 9898]
2926	[4757, 1731]	5999	[7716, 8016]	9072	[7215, 4467]	12145	[12189, 6443]
2927	[4758, 4759]	6000	[1473, 8017]	9073	[4036, 8378]	12146	[12190, 9387]
2928	[18, 4099]	6001	[3547, 1780]	9074	[1204, 1054]	12147	[12191, 9920]
2929	[3379, 4760]	6002	[8018, 1345]	9075	[8690, 10313]	12148	[12192, 6886]
2930	[4697, 4616]	6003	[252, 4176]	9076	[4017, 10314]	12149	[12193, 1846]
2931	[4761, 4762]	6004	[8019, 4639]	9077	[7508, 10315]	12150	[12194, 11139]
2932	[4763, 1741]	6005	[7888, 8020]	9078	[10316, 7516]	12151	[12195, 11829]
2933	[4764, 1263]	6006	[8021, 4145]	9079	[8124, 1717]	12152	[12196, 5288]
2934	[4765, 4766]	6007	[8022, 8023]	9080	[4609, 1076]	12153	[12197, 914]
2935	[356, 1529]	6008	[8024, 8025]	9081	[7985, 8630]	12154	[12198, 2746]
2936	[4573, 4767]	6009	[8026, 1509]	9082	[4856, 7045]	12155	[12199, 11735]
2937	[4768, 4202]	6010	[8027, 8028]	9083	[7391, 8496]	12156	[9310, 6754]

2938	[4621, 4769]	6011	[3277, 4055]	9084	[1709, 3757]	12157	[12200, 5909]
2939	[4770, 71]	6012	[1554, 8029]	9085	[7584, 4800]	12158	[12201, 9286]
2940	[4771, 4287]	6013	[7784, 8030]	9086	[1788, 1589]	12159	[761, 5162]
2941	[3468, 4772]	6014	[8031, 8032]	9087	[4598, 7120]	12160	[2603, 5688]
2942	[4773, 109]	6015	[8033, 8034]	9088	[4618, 10317]	12161	[12202, 9031]
2943	[1656, 4774]	6016	[3437, 8035]	9089	[10318, 1281]	12162	[12203, 1845]
2944	[411, 3718]	6017	[8036, 8037]	9090	[1484, 10319]	12163	[9415, 9700]
2945	[4152, 4775]	6018	[1748, 1624]	9091	[8250, 10320]	12164	[12204, 8915]
2946	[4686, 263]	6019	[8038, 4231]	9092	[10321, 7274]	12165	[12205, 9359]
2947	[4776, 4206]	6020	[8039, 7066]	9093	[1129, 10322]	12166	[12206, 7946]
2948	[3445, 4777]	6021	[8040, 4653]	9094	[10323, 3570]	12167	[3387, 12207]
2949	[4778, 4748]	6022	[3741, 8041]	9095	[10324, 3456]	12168	[7086, 12208]
2950	[1208, 4779]	6023	[8042, 1020]	9096	[4602, 7342]	12169	[1219, 3147]
2951	[4780, 4781]	6024	[8043, 4295]	9097	[10325, 7269]	12170	[1634, 12209]
2952	[3541, 4782]	6025	[1522, 4805]	9098	[1713, 10326]	12171	[10141, 12210]
2953	[4783, 4784]	6026	[8044, 1646]	9099	[10327, 7959]	12172	[1319, 12211]
2954	[413, 4785]	6027	[3769, 8045]	9100	[10328, 7122]	12173	[4413, 12212]
2955	[4786, 4787]	6028	[8046, 4734]	9101	[3598, 10329]	12174	[8811, 12213]
2956	[4754, 4766]	6029	[8047, 4221]	9102	[8566, 10330]	12175	[8295, 3136]
2957	[4788, 4789]	6030	[3312, 8048]	9103	[3217, 3980]	12176	[7633, 12214]
2958	[4790, 4791]	6031	[8049, 7484]	9104	[10331, 4759]	12177	[3578, 1131]
2959	[4792, 114]	6032	[3857, 8050]	9105	[7224, 3201]	12178	[7326, 12215]
2960	[3338, 4793]	6033	[8051, 4692]	9106	[7301, 10127]	12179	[8389, 12216]
2961	[4794, 4795]	6034	[4184, 3537]	9107	[10332, 8347]	12180	[4486, 7098]
2962	[3617, 4796]	6035	[8052, 8053]	9108	[10333, 1584]	12181	[8437, 406]
2963	[4797, 4798]	6036	[8054, 8055]	9109	[10334, 1506]	12182	[3168, 1712]
2964	[4799, 3750]	6037	[8056, 7089]	9110	[4623, 1051]	12183	[3246, 12217]
2965	[4800, 4801]	6038	[7221, 8057]	9111	[10335, 8301]	12184	[4380, 12218]
2966	[4802, 4803]	6039	[8058, 7142]	9112	[8368, 10336]	12185	[3351, 12219]
2967	[4804, 4805]	6040	[8059, 8060]	9113	[3884, 4677]	12186	[444, 12220]
2968	[4806, 4807]	6041	[8061, 7848]	9114	[7100, 7786]	12187	[1262, 4324]
2969	[4808, 4809]	6042	[8062, 4899]	9115	[10337, 8673]	12188	[4769, 10367]
2970	[4810, 1600]	6043	[4531, 7157]	9116	[1015, 418]	12189	[3731, 8670]
2971	[4811, 4812]	6044	[8063, 3208]	9117	[10338, 1028]	12190	[8110, 12221]
2972	[4813, 4814]	6045	[8064, 1166]	9118	[1700, 3471]	12191	[3431, 7827]
2973	[4815, 4816]	6046	[7570, 421]	9119	[1378, 10339]	12192	[7504, 12222]
2974	[4817, 4818]	6047	[8065, 8066]	9120	[3950, 10340]	12193	[4671, 3209]
2975	[4819, 1013]	6048	[1046, 8067]	9121	[8683, 3301]	12194	[8578, 3653]
2976	[4820, 4821]	6049	[1726, 8068]	9122	[8567, 10341]	12195	[3628, 12223]
2977	[4822, 3914]	6050	[1711, 4341]	9123	[7675, 7966]	12196	[8619, 12224]
2978	[4823, 4824]	6051	[3824, 4740]	9124	[1609, 3694]	12197	[4882, 1725]
2979	[4825, 4826]	6052	[8069, 7794]	9125	[10342, 6994]	12198	[4816, 12225]
2980	[958, 4827]	6053	[8070, 4530]	9126	[3496, 4745]	12199	[318, 10434]
2981	[4828, 4829]	6054	[8071, 118]	9127	[8240, 7975]	12200	[4678, 12226]

2982	[3643, 3360]	6055	[8072, 1760]	9128	[7624, 10343]	12201	[4767, 12227]
2983	[4830, 3326]	6056	[7382, 8073]	9129	[1067, 10344]	12202	[3645, 4042]
2984	[4831, 4832]	6057	[3342, 8074]	9130	[10345, 4209]	12203	[10362, 1287]
2985	[4143, 4833]	6058	[3663, 7406]	9131	[10346, 4484]	12204	[1342, 12228]
2986	[4834, 4835]	6059	[8075, 985]	9132	[10347, 10348]	12205	[979, 3469]
2987	[4836, 4837]	6060	[7532, 8076]	9133	[10164, 8181]	12206	[6012, 9196]
2988	[3133, 4339]	6061	[7970, 8077]	9134	[1497, 8765]	12207	[12229, 9273]
2989	[4838, 4839]	6062	[8078, 3396]	9135	[7751, 1307]	12208	[12230, 1834]
2990	[4840, 262]	6063	[8079, 8080]	9136	[1052, 10349]	12209	[12231, 2234]
2991	[3193, 3886]	6064	[8081, 1518]	9137	[7478, 10350]	12210	[12232, 849]
2992	[4346, 4841]	6065	[7306, 4496]	9138	[10351, 4899]	12211	[12233, 5091]
2993	[4842, 3545]	6066	[8082, 8083]	9139	[10352, 8375]	12212	[12234, 11244]
2994	[4843, 4844]	6067	[1499, 8084]	9140	[10170, 3690]	12213	[12235, 9476]
2995	[4845, 3465]	6068	[8085, 8086]	9141	[4167, 10353]	12214	[12236, 9633]
2996	[4846, 4847]	6069	[8087, 8088]	9142	[10354, 7674]	12215	[12237, 6682]
2997	[4848, 4674]	6070	[1658, 7570]	9143	[989, 10355]	12216	[12238, 8930]
2998	[4849, 4850]	6071	[7743, 3128]	9144	[10356, 4681]	12217	[12239, 6013]
2999	[4851, 4852]	6072	[8089, 8090]	9145	[4811, 8813]	12218	[12240, 2083]
3000	[4853, 4854]	6073	[8091, 1258]	9146	[8121, 10357]	12219	[12241, 6369]
3001	[4199, 4720]	6074	[8092, 8093]	9147	[1085, 4086]	12220	[12242, 11906]
3002	[4855, 4856]	6075	[7248, 8094]	9148	[10347, 7619]	12221	[12243, 5629]
3003	[4857, 4841]	6076	[3874, 3668]	9149	[10358, 1146]	12222	[12244, 2963]
3004	[4858, 1756]	6077	[4217, 4893]	9150	[16, 8569]	12223	[12245, 11359]
3005	[4859, 4860]	6078	[8095, 8096]	9151	[10359, 1613]	12224	[12246, 9019]
3006	[4861, 4862]	6079	[8097, 8030]	9152	[10360, 1196]	12225	[12247, 2745]
3007	[4863, 4864]	6080	[7475, 3843]	9153	[10361, 310]	12226	[12248, 2983]
3008	[4865, 1703]	6081	[7373, 8098]	9154	[10362, 7664]	12227	[12249, 5720]
3009	[436, 4147]	6082	[8099, 4587]	9155	[3550, 4661]	12228	[12250, 6723]
3010	[4866, 1436]	6083	[4578, 8100]	9156	[10363, 993]	12229	[4048, 12251]
3011	[4270, 4502]	6084	[8101, 8102]	9157	[4910, 10364]	12230	[4205, 3297]
3012	[4867, 3657]	6085	[7092, 8103]	9158	[10365, 4892]	12231	[4329, 12252]
3013	[4868, 3270]	6086	[8044, 8104]	9159	[7937, 1283]	12232	[4096, 1614]
3014	[4869, 4870]	6087	[7878, 4342]	9160	[10366, 4314]	12233	[7296, 4524]
3015	[4871, 4872]	6088	[8065, 7772]	9161	[3551, 1488]	12234	[4694, 12253]
3016	[4873, 3246]	6089	[4594, 3630]	9162	[10367, 4833]	12235	[8311, 12254]
3017	[4874, 4875]	6090	[8105, 8106]	9163	[10368, 10369]	12236	[7083, 11969]
3018	[4876, 3734]	6091	[365, 8107]	9164	[10370, 7665]	12237	[1165, 12255]
3019	[4877, 3651]	6092	[8108, 3302]	9165	[8012, 3492]	12238	[1644, 12256]
3020	[4878, 4272]	6093	[4044, 8109]	9166	[8708, 8398]	12239	[1680, 3795]
3021	[4879, 3817]	6094	[8110, 1480]	9167	[7433, 10371]	12240	[85, 3912]
3022	[4533, 4150]	6095	[8111, 7500]	9168	[10372, 1633]	12241	[4624, 12257]
3023	[4880, 4881]	6096	[4320, 4463]	9169	[1052, 10373]	12242	[1221, 12258]
3024	[4882, 3603]	6097	[3988, 3171]	9170	[3235, 4139]	12243	[4411, 12259]
3025	[3226, 4883]	6098	[4402, 3909]	9171	[7370, 8611]	12244	[4477, 12260]

3026	[4480, 4884]	6099	[1428, 8112]	9172	[10213, 4843]	12245	[4062, 8178]
3027	[4885, 4886]	6100	[3337, 7436]	9173	[10374, 1317]	12246	[10562, 12261]
3028	[4887, 4888]	6101	[4989, 8113]	9174	[8260, 10375]	12247	[1372, 12262]
3029	[4889, 4890]	6102	[6993, 7072]	9175	[10376, 4389]	12248	[3580, 4394]
3030	[4891, 4892]	6103	[8114, 1717]	9176	[3208, 1128]	12249	[8323, 1312]
3031	[4893, 1010]	6104	[3145, 4651]	9177	[8251, 10377]	12250	[7538, 1113]
3032	[4894, 4895]	6105	[360, 4549]	9178	[10378, 1401]	12251	[12263, 9569]
3033	[4896, 4847]	6106	[3412, 8115]	9179	[1595, 7790]	12252	[12264, 8856]
3034	[4897, 4898]	6107	[8116, 7860]	9180	[4566, 10379]	12253	[12265, 10058]
3035	[3475, 4381]	6108	[8117, 8118]	9181	[10380, 8332]	12254	[12266, 9258]
3036	[4899, 4900]	6109	[3579, 1132]	9182	[10381, 4642]	12255	[12267, 3061]
3037	[3161, 3158]	6110	[3538, 8119]	9183	[4401, 1754]	12256	[12268, 6866]
3038	[4901, 4468]	6111	[3987, 8120]	9184	[1414, 8777]	12257	[12269, 11207]
3039	[1404, 4454]	6112	[3844, 7287]	9185	[7338, 10382]	12258	[12270, 6637]
3040	[3858, 3355]	6113	[8121, 3535]	9186	[7361, 3560]	12259	[12271, 10017]
3041	[1382, 4902]	6114	[3913, 4362]	9187	[10383, 1642]	12260	[12272, 716]
3042	[4903, 4904]	6115	[8122, 8123]	9188	[10384, 411]	12261	[12273, 762]
3043	[4905, 4906]	6116	[7875, 8124]	9189	[10385, 4898]	12262	[12274, 9466]
3044	[4907, 1426]	6117	[8125, 7829]	9190	[1571, 10386]	12263	[3986, 10589]
3045	[4253, 3271]	6118	[7639, 7807]	9191	[10387, 3803]	12264	[6998, 10262]
3046	[1328, 1408]	6119	[8126, 1552]	9192	[3278, 8647]	12265	[8186, 11674]
3047	[4908, 4909]	6120	[8127, 1774]	9193	[8789, 7663]	12266	[8085, 12275]
3048	[4910, 4911]	6121	[3395, 8128]	9194	[10388, 4452]	12267	[3481, 12276]
3049	[4912, 1008]	6122	[4029, 7855]	9195	[10389, 8286]	12268	[1729, 12277]
3050	[4913, 4914]	6123	[3832, 1502]	9196	[8103, 7574]	12269	[434, 10921]
3051	[4915, 4916]	6124	[8129, 3742]	9197	[3786, 10390]	12270	[1083, 12278]
3052	[4917, 4918]	6125	[1408, 8130]	9198	[10391, 7319]	12271	[3291, 12279]
3053	[1647, 4919]	6126	[8131, 4424]	9199	[10392, 120]	12272	[1201, 12280]
3054	[4920, 3326]	6127	[8132, 7144]	9200	[10393, 8301]	12273	[3954, 12281]
3055	[4921, 4922]	6128	[1092, 8133]	9201	[474, 7075]	12274	[323, 10522]
3056	[4923, 1319]	6129	[8134, 3820]	9202	[7778, 7113]	12275	[12282, 828]
3057	[4924, 4709]	6130	[8135, 8136]	9203	[3919, 10394]	12276	[12283, 1942]
3058	[3813, 4925]	6131	[8137, 1441]	9204	[8008, 7293]	12277	[12284, 5637]
3059	[4926, 4927]	6132	[17, 4098]	9205	[1469, 10395]	12278	[12285, 5551]
3060	[4928, 3307]	6133	[8138, 6995]	9206	[3745, 6]	12279	[12286, 9222]
3061	[3461, 4929]	6134	[8139, 8140]	9207	[3848, 7803]	12280	[12287, 2363]
3062	[4930, 4931]	6135	[388, 3138]	9208	[3451, 3986]	12281	[12288, 5776]
3063	[4932, 4933]	6136	[8141, 3876]	9209	[8552, 8070]	12282	[4902, 10333]
3064	[4934, 3743]	6137	[1074, 8053]	9210	[10396, 7835]	12283	[7260, 1444]
3065	[3334, 3191]	6138	[8142, 1562]	9211	[1211, 4834]	12284	[7277, 7660]
3066	[4935, 4936]	6139	[8143, 8144]	9212	[3368, 10397]	12285	[1747, 7573]
3067	[4937, 4749]	6140	[8145, 4519]	9213	[10398, 7983]	12286	[8237, 12022]
3068	[4938, 4939]	6141	[8146, 3301]	9214	[10399, 8563]	12287	[3539, 3813]
3069	[4940, 4444]	6142	[8147, 8148]	9215	[8515, 3453]	12288	[4455, 10169]

3070	[4941, 3447]	6143	[1575, 7714]	9216	[3891, 4679]
3071	[4864, 1487]	6144	[4790, 8149]	9217	[4313, 3590]
3072	[4481, 4942]	6145	[8150, 7290]	9218	[10400, 4836]

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	2049	0	4098	0	6147	0	8196	1	10245	1
1	0	2050	0	4099	0	6148	1	8197	1	10246	1
2	0	2051	1	4100	1	6149	1	8198	0	10247	0
3	0	2052	1	4101	1	6150	1	8199	1	10248	0
4	0	2053	0	4102	1	6151	1	8200	0	10249	0
5	0	2054	1	4103	0	6152	1	8201	1	10250	1
6	0	2055	1	4104	0	6153	1	8202	0	10251	1
7	0	2056	0	4105	0	6154	0	8203	0	10252	1
8	0	2057	1	4106	0	6155	0	8204	1	10253	0
9	0	2058	1	4107	0	6156	0	8205	0	10254	0
10	0	2059	1	4108	0	6157	1	8206	0	10255	1
11	0	2060	0	4109	0	6158	1	8207	0	10256	1
12	1	2061	0	4110	1	6159	0	8208	0	10257	0
13	0	2062	1	4111	0	6160	0	8209	0	10258	0
14	0	2063	1	4112	0	6161	0	8210	1	10259	0
15	0	2064	1	4113	1	6162	0	8211	1	10260	0
16	1	2065	1	4114	0	6163	0	8212	0	10261	1
17	0	2066	0	4115	1	6164	1	8213	0	10262	0
18	1	2067	0	4116	1	6165	1	8214	0	10263	1
19	0	2068	1	4117	0	6166	1	8215	1	10264	1
20	1	2069	0	4118	1	6167	0	8216	1	10265	0
21	0	2070	0	4119	1	6168	1	8217	0	10266	1
22	0	2071	0	4120	1	6169	1	8218	0	10267	0
23	0	2072	0	4121	1	6170	0	8219	1	10268	1
24	1	2073	0	4122	0	6171	1	8220	0	10269	1
25	1	2074	0	4123	1	6172	0	8221	1	10270	0
26	0	2075	0	4124	1	6173	0	8222	1	10271	0
27	0	2076	1	4125	0	6174	0	8223	0	10272	0
28	1	2077	1	4126	1	6175	0	8224	0	10273	1
29	0	2078	1	4127	1	6176	0	8225	0	10274	1
30	1	2079	1	4128	1	6177	0	8226	0	10275	0
31	0	2080	1	4129	1	6178	1	8227	0	10276	1
32	0	2081	0	4130	1	6179	1	8228	0	10277	1
33	1	2082	1	4131	0	6180	0	8229	0	10278	1
34	0	2083	1	4132	1	6181	0	8230	0	10279	1
35	0	2084	0	4133	1	6182	1	8231	1	10280	0
36	0	2085	1	4134	1	6183	0	8232	0	10281	0
37	1	2086	1	4135	0	6184	1	8233	0	10282	1

38	0	2087	0	4136	0	6185	1	8234	1	10283	1
39	0	2088	1	4137	0	6186	1	8235	1	10284	1
40	1	2089	1	4138	0	6187	1	8236	1	10285	1
41	1	2090	1	4139	0	6188	1	8237	1	10286	0
42	0	2091	1	4140	0	6189	1	8238	1	10287	1
43	0	2092	1	4141	1	6190	1	8239	1	10288	0
44	0	2093	1	4142	1	6191	1	8240	1	10289	0
45	0	2094	1	4143	0	6192	1	8241	1	10290	1
46	0	2095	1	4144	0	6193	0	8242	1	10291	0
47	0	2096	0	4145	0	6194	0	8243	1	10292	1
48	1	2097	1	4146	0	6195	0	8244	0	10293	0
49	1	2098	1	4147	1	6196	0	8245	0	10294	0
50	0	2099	0	4148	1	6197	1	8246	1	10295	0
51	1	2100	0	4149	1	6198	1	8247	0	10296	0
52	0	2101	1	4150	0	6199	1	8248	0	10297	0
53	0	2102	1	4151	1	6200	0	8249	1	10298	1
54	0	2103	1	4152	1	6201	1	8250	1	10299	0
55	0	2104	1	4153	1	6202	1	8251	1	10300	0
56	0	2105	0	4154	1	6203	0	8252	0	10301	1
57	1	2106	0	4155	0	6204	0	8253	1	10302	1
58	0	2107	0	4156	1	6205	0	8254	0	10303	0
59	0	2108	1	4157	0	6206	0	8255	1	10304	0
60	1	2109	0	4158	0	6207	1	8256	1	10305	0
61	1	2110	1	4159	1	6208	0	8257	0	10306	1
62	0	2111	0	4160	1	6209	0	8258	1	10307	1
63	0	2112	0	4161	0	6210	1	8259	1	10308	0
64	1	2113	0	4162	1	6211	0	8260	0	10309	1
65	0	2114	0	4163	0	6212	0	8261	1	10310	1
66	0	2115	0	4164	1	6213	0	8262	1	10311	0
67	1	2116	1	4165	0	6214	0	8263	0	10312	0
68	0	2117	1	4166	1	6215	0	8264	0	10313	0
69	0	2118	1	4167	1	6216	0	8265	0	10314	0
70	0	2119	0	4168	1	6217	1	8266	1	10315	1
71	0	2120	0	4169	1	6218	0	8267	1	10316	0
72	1	2121	1	4170	0	6219	1	8268	0	10317	1
73	0	2122	0	4171	1	6220	1	8269	1	10318	1
74	0	2123	1	4172	1	6221	1	8270	1	10319	1
75	1	2124	1	4173	0	6222	0	8271	1	10320	1
76	1	2125	1	4174	0	6223	1	8272	1	10321	1
77	0	2126	1	4175	0	6224	0	8273	0	10322	1
78	1	2127	1	4176	0	6225	1	8274	1	10323	0
79	0	2128	1	4177	1	6226	1	8275	1	10324	1
80	1	2129	0	4178	0	6227	0	8276	0	10325	1
81	1	2130	1	4179	0	6228	1	8277	1	10326	0

82	1	2131	0	4180	0	6229	0	8278	0	10327	0
83	1	2132	1	4181	1	6230	1	8279	1	10328	0
84	1	2133	1	4182	0	6231	0	8280	1	10329	1
85	0	2134	0	4183	0	6232	0	8281	1	10330	0
86	1	2135	1	4184	0	6233	0	8282	1	10331	1
87	0	2136	1	4185	0	6234	1	8283	1	10332	0
88	0	2137	0	4186	1	6235	1	8284	1	10333	1
89	0	2138	1	4187	1	6236	1	8285	1	10334	0
90	0	2139	1	4188	1	6237	1	8286	1	10335	0
91	0	2140	1	4189	0	6238	0	8287	1	10336	0
92	1	2141	0	4190	1	6239	0	8288	1	10337	0
93	0	2142	0	4191	1	6240	0	8289	0	10338	0
94	1	2143	0	4192	1	6241	0	8290	0	10339	1
95	0	2144	1	4193	1	6242	1	8291	1	10340	1
96	0	2145	1	4194	1	6243	0	8292	1	10341	0
97	1	2146	0	4195	1	6244	0	8293	0	10342	0
98	1	2147	0	4196	0	6245	1	8294	1	10343	1
99	0	2148	0	4197	1	6246	1	8295	0	10344	1
100	0	2149	1	4198	0	6247	0	8296	1	10345	1
101	0	2150	0	4199	0	6248	0	8297	0	10346	1
102	1	2151	1	4200	0	6249	0	8298	1	10347	1
103	1	2152	1	4201	0	6250	1	8299	1	10348	1
104	0	2153	1	4202	0	6251	0	8300	0	10349	0
105	0	2154	1	4203	1	6252	1	8301	0	10350	0
106	0	2155	1	4204	1	6253	0	8302	0	10351	1
107	1	2156	0	4205	1	6254	0	8303	0	10352	1
108	0	2157	0	4206	1	6255	1	8304	0	10353	0
109	1	2158	1	4207	1	6256	1	8305	0	10354	1
110	0	2159	0	4208	0	6257	1	8306	0	10355	0
111	0	2160	1	4209	1	6258	1	8307	0	10356	1
112	0	2161	1	4210	1	6259	1	8308	0	10357	0
113	1	2162	1	4211	0	6260	1	8309	1	10358	1
114	1	2163	1	4212	0	6261	1	8310	1	10359	1
115	1	2164	0	4213	1	6262	1	8311	0	10360	1
116	0	2165	0	4214	1	6263	1	8312	0	10361	0
117	0	2166	1	4215	1	6264	1	8313	1	10362	0
118	0	2167	1	4216	0	6265	0	8314	0	10363	1
119	0	2168	0	4217	0	6266	1	8315	0	10364	0
120	1	2169	0	4218	1	6267	1	8316	0	10365	1
121	0	2170	1	4219	1	6268	0	8317	1	10366	1
122	1	2171	1	4220	0	6269	1	8318	0	10367	1
123	0	2172	1	4221	0	6270	0	8319	0	10368	1
124	0	2173	1	4222	1	6271	1	8320	1	10369	1
125	0	2174	1	4223	1	6272	0	8321	1	10370	0

126	0	2175	0	4224	0	6273	0	8322	1	10371	0
127	1	2176	0	4225	0	6274	1	8323	1	10372	1
128	1	2177	0	4226	1	6275	1	8324	0	10373	1
129	0	2178	0	4227	0	6276	1	8325	1	10374	1
130	0	2179	1	4228	0	6277	1	8326	1	10375	0
131	0	2180	1	4229	1	6278	0	8327	1	10376	1
132	1	2181	1	4230	0	6279	0	8328	0	10377	1
133	1	2182	0	4231	1	6280	1	8329	0	10378	1
134	1	2183	0	4232	1	6281	0	8330	1	10379	0
135	0	2184	0	4233	1	6282	0	8331	1	10380	1
136	1	2185	1	4234	1	6283	1	8332	0	10381	0
137	0	2186	0	4235	1	6284	1	8333	0	10382	0
138	0	2187	1	4236	1	6285	1	8334	0	10383	0
139	0	2188	0	4237	1	6286	0	8335	1	10384	0
140	0	2189	0	4238	0	6287	1	8336	0	10385	0
141	0	2190	0	4239	0	6288	0	8337	1	10386	1
142	0	2191	1	4240	0	6289	1	8338	1	10387	1
143	1	2192	1	4241	1	6290	0	8339	1	10388	1
144	0	2193	1	4242	0	6291	1	8340	0	10389	0
145	0	2194	1	4243	1	6292	0	8341	1	10390	1
146	1	2195	0	4244	1	6293	1	8342	0	10391	0
147	0	2196	1	4245	0	6294	0	8343	1	10392	0
148	1	2197	1	4246	0	6295	1	8344	1	10393	1
149	1	2198	1	4247	1	6296	1	8345	0	10394	0
150	1	2199	0	4248	1	6297	1	8346	1	10395	1
151	1	2200	1	4249	0	6298	1	8347	0	10396	0
152	0	2201	1	4250	1	6299	0	8348	1	10397	1
153	0	2202	0	4251	0	6300	1	8349	0	10398	0
154	0	2203	0	4252	1	6301	0	8350	0	10399	1
155	1	2204	0	4253	0	6302	0	8351	0	10400	0
156	0	2205	0	4254	0	6303	1	8352	0	10401	1
157	0	2206	1	4255	0	6304	1	8353	0	10402	1
158	0	2207	0	4256	1	6305	1	8354	0	10403	1
159	1	2208	0	4257	1	6306	0	8355	1	10404	0
160	1	2209	0	4258	1	6307	1	8356	1	10405	0
161	1	2210	0	4259	1	6308	0	8357	0	10406	0
162	1	2211	1	4260	1	6309	1	8358	0	10407	1
163	1	2212	0	4261	0	6310	0	8359	1	10408	1
164	0	2213	0	4262	1	6311	1	8360	0	10409	0
165	1	2214	1	4263	1	6312	1	8361	1	10410	1
166	1	2215	1	4264	1	6313	0	8362	0	10411	1
167	1	2216	0	4265	1	6314	1	8363	1	10412	1
168	1	2217	0	4266	1	6315	0	8364	0	10413	1
169	0	2218	0	4267	0	6316	0	8365	1	10414	0

170	0	2219	0	4268	0	6317	1	8366	0	10415	1
171	1	2220	1	4269	1	6318	0	8367	0	10416	0
172	0	2221	1	4270	1	6319	0	8368	1	10417	1
173	0	2222	1	4271	0	6320	1	8369	0	10418	0
174	0	2223	0	4272	1	6321	0	8370	1	10419	0
175	0	2224	0	4273	1	6322	1	8371	1	10420	1
176	0	2225	1	4274	0	6323	0	8372	1	10421	0
177	0	2226	1	4275	0	6324	1	8373	1	10422	0
178	1	2227	0	4276	0	6325	1	8374	0	10423	1
179	0	2228	1	4277	1	6326	0	8375	1	10424	0
180	0	2229	0	4278	0	6327	1	8376	0	10425	1
181	0	2230	1	4279	1	6328	1	8377	1	10426	1
182	1	2231	1	4280	0	6329	1	8378	1	10427	1
183	1	2232	0	4281	1	6330	1	8379	1	10428	1
184	0	2233	0	4282	1	6331	0	8380	0	10429	0
185	0	2234	1	4283	0	6332	1	8381	0	10430	0
186	1	2235	0	4284	1	6333	0	8382	1	10431	1
187	1	2236	0	4285	1	6334	0	8383	1	10432	0
188	1	2237	0	4286	0	6335	0	8384	0	10433	1
189	0	2238	1	4287	0	6336	1	8385	1	10434	0
190	1	2239	1	4288	1	6337	0	8386	1	10435	0
191	0	2240	0	4289	1	6338	0	8387	0	10436	0
192	1	2241	1	4290	0	6339	0	8388	0	10437	0
193	1	2242	0	4291	1	6340	0	8389	1	10438	0
194	1	2243	0	4292	1	6341	1	8390	0	10439	1
195	1	2244	0	4293	1	6342	1	8391	0	10440	1
196	1	2245	1	4294	0	6343	0	8392	1	10441	1
197	0	2246	1	4295	0	6344	0	8393	0	10442	1
198	0	2247	0	4296	0	6345	1	8394	1	10443	1
199	0	2248	1	4297	0	6346	0	8395	0	10444	1
200	0	2249	0	4298	1	6347	0	8396	1	10445	1
201	0	2250	1	4299	1	6348	0	8397	1	10446	0
202	0	2251	1	4300	1	6349	1	8398	0	10447	1
203	1	2252	1	4301	0	6350	0	8399	1	10448	1
204	1	2253	0	4302	0	6351	1	8400	1	10449	1
205	1	2254	1	4303	0	6352	0	8401	1	10450	0
206	1	2255	1	4304	0	6353	1	8402	1	10451	1
207	0	2256	1	4305	0	6354	1	8403	1	10452	1
208	1	2257	0	4306	1	6355	0	8404	0	10453	1
209	0	2258	0	4307	1	6356	1	8405	0	10454	0
210	1	2259	0	4308	1	6357	0	8406	0	10455	0
211	0	2260	0	4309	1	6358	0	8407	0	10456	1
212	1	2261	0	4310	1	6359	1	8408	1	10457	0
213	1	2262	0	4311	0	6360	1	8409	0	10458	1

214	0	2263	0	4312	0	6361	1	8410	0	10459	1
215	0	2264	0	4313	0	6362	1	8411	1	10460	0
216	1	2265	1	4314	0	6363	0	8412	0	10461	1
217	1	2266	0	4315	1	6364	0	8413	0	10462	0
218	1	2267	1	4316	0	6365	0	8414	1	10463	0
219	0	2268	1	4317	0	6366	1	8415	0	10464	0
220	1	2269	1	4318	0	6367	0	8416	1	10465	0
221	0	2270	0	4319	0	6368	1	8417	1	10466	1
222	0	2271	0	4320	1	6369	1	8418	0	10467	0
223	0	2272	0	4321	1	6370	0	8419	1	10468	0
224	0	2273	1	4322	0	6371	0	8420	0	10469	0
225	1	2274	1	4323	1	6372	0	8421	0	10470	1
226	0	2275	1	4324	0	6373	0	8422	1	10471	1
227	1	2276	0	4325	0	6374	0	8423	1	10472	1
228	1	2277	0	4326	1	6375	0	8424	0	10473	1
229	1	2278	1	4327	0	6376	1	8425	1	10474	1
230	1	2279	0	4328	1	6377	1	8426	0	10475	1
231	0	2280	1	4329	1	6378	1	8427	1	10476	1
232	0	2281	1	4330	0	6379	1	8428	0	10477	1
233	0	2282	1	4331	1	6380	0	8429	1	10478	1
234	1	2283	0	4332	1	6381	0	8430	0	10479	1
235	0	2284	1	4333	1	6382	0	8431	1	10480	0
236	0	2285	1	4334	1	6383	0	8432	0	10481	1
237	0	2286	0	4335	0	6384	0	8433	1	10482	1
238	1	2287	1	4336	0	6385	0	8434	1	10483	0
239	1	2288	0	4337	1	6386	0	8435	1	10484	1
240	1	2289	0	4338	0	6387	0	8436	0	10485	0
241	0	2290	1	4339	1	6388	0	8437	0	10486	1
242	0	2291	1	4340	0	6389	1	8438	1	10487	1
243	1	2292	0	4341	0	6390	1	8439	0	10488	1
244	0	2293	0	4342	1	6391	1	8440	0	10489	1
245	0	2294	1	4343	0	6392	0	8441	0	10490	0
246	0	2295	0	4344	1	6393	1	8442	0	10491	0
247	0	2296	0	4345	1	6394	0	8443	1	10492	0
248	0	2297	1	4346	0	6395	1	8444	1	10493	1
249	0	2298	0	4347	0	6396	0	8445	1	10494	1
250	1	2299	1	4348	0	6397	0	8446	0	10495	0
251	0	2300	1	4349	1	6398	1	8447	1	10496	0
252	0	2301	1	4350	1	6399	0	8448	0	10497	0
253	1	2302	1	4351	0	6400	0	8449	0	10498	1
254	1	2303	0	4352	1	6401	0	8450	1	10499	1
255	1	2304	0	4353	0	6402	1	8451	1	10500	0
256	1	2305	1	4354	0	6403	1	8452	0	10501	1
257	0	2306	1	4355	0	6404	0	8453	0	10502	0

258	0	2307	1	4356	0	6405	0	8454	1	10503	1
259	0	2308	0	4357	1	6406	0	8455	0	10504	0
260	1	2309	1	4358	0	6407	1	8456	0	10505	0
261	0	2310	0	4359	1	6408	0	8457	1	10506	1
262	1	2311	1	4360	0	6409	0	8458	0	10507	0
263	1	2312	1	4361	1	6410	0	8459	0	10508	0
264	0	2313	1	4362	1	6411	1	8460	1	10509	0
265	1	2314	0	4363	0	6412	1	8461	1	10510	1
266	0	2315	1	4364	1	6413	0	8462	1	10511	1
267	1	2316	1	4365	1	6414	1	8463	0	10512	0
268	1	2317	1	4366	0	6415	0	8464	0	10513	0
269	0	2318	1	4367	1	6416	0	8465	0	10514	0
270	0	2319	0	4368	1	6417	1	8466	0	10515	1
271	1	2320	1	4369	1	6418	1	8467	1	10516	0
272	1	2321	0	4370	1	6419	0	8468	1	10517	1
273	0	2322	1	4371	0	6420	0	8469	0	10518	1
274	1	2323	1	4372	1	6421	0	8470	1	10519	1
275	0	2324	1	4373	1	6422	1	8471	0	10520	1
276	1	2325	1	4374	0	6423	1	8472	0	10521	1
277	0	2326	1	4375	0	6424	0	8473	1	10522	1
278	1	2327	0	4376	1	6425	0	8474	1	10523	0
279	0	2328	1	4377	0	6426	0	8475	1	10524	1
280	1	2329	0	4378	0	6427	0	8476	0	10525	0
281	0	2330	1	4379	1	6428	0	8477	0	10526	0
282	1	2331	1	4380	1	6429	1	8478	1	10527	0
283	0	2332	0	4381	1	6430	1	8479	1	10528	1
284	0	2333	0	4382	0	6431	0	8480	1	10529	0
285	1	2334	1	4383	1	6432	1	8481	0	10530	1
286	1	2335	1	4384	0	6433	0	8482	0	10531	1
287	0	2336	1	4385	1	6434	1	8483	1	10532	1
288	1	2337	0	4386	1	6435	1	8484	1	10533	0
289	0	2338	0	4387	0	6436	1	8485	0	10534	1
290	0	2339	0	4388	0	6437	1	8486	1	10535	0
291	1	2340	0	4389	0	6438	0	8487	1	10536	1
292	0	2341	0	4390	0	6439	1	8488	1	10537	1
293	0	2342	0	4391	0	6440	1	8489	0	10538	1
294	1	2343	1	4392	0	6441	1	8490	0	10539	0
295	1	2344	1	4393	0	6442	0	8491	0	10540	1
296	1	2345	1	4394	0	6443	0	8492	0	10541	1
297	1	2346	0	4395	0	6444	0	8493	0	10542	1
298	1	2347	1	4396	0	6445	1	8494	0	10543	0
299	0	2348	0	4397	1	6446	0	8495	1	10544	0
300	1	2349	0	4398	1	6447	0	8496	0	10545	1
301	1	2350	0	4399	1	6448	0	8497	1	10546	0

302	0	2351	0	4400	0	6449	0	8498	0	10547	1
303	0	2352	0	4401	0	6450	0	8499	1	10548	0
304	0	2353	0	4402	0	6451	0	8500	1	10549	1
305	1	2354	1	4403	0	6452	1	8501	0	10550	0
306	0	2355	0	4404	1	6453	1	8502	1	10551	0
307	0	2356	0	4405	0	6454	0	8503	0	10552	0
308	1	2357	1	4406	0	6455	1	8504	1	10553	0
309	1	2358	1	4407	1	6456	0	8505	0	10554	0
310	0	2359	0	4408	0	6457	1	8506	1	10555	1
311	0	2360	1	4409	0	6458	0	8507	1	10556	1
312	0	2361	0	4410	0	6459	0	8508	0	10557	1
313	1	2362	0	4411	1	6460	0	8509	1	10558	0
314	0	2363	0	4412	1	6461	0	8510	1	10559	1
315	1	2364	1	4413	0	6462	0	8511	1	10560	0
316	1	2365	1	4414	1	6463	0	8512	1	10561	1
317	1	2366	0	4415	1	6464	0	8513	0	10562	1
318	1	2367	1	4416	1	6465	0	8514	0	10563	0
319	1	2368	0	4417	0	6466	0	8515	0	10564	0
320	1	2369	0	4418	0	6467	0	8516	1	10565	0
321	0	2370	1	4419	1	6468	0	8517	0	10566	1
322	1	2371	0	4420	1	6469	0	8518	0	10567	0
323	1	2372	0	4421	1	6470	0	8519	0	10568	1
324	1	2373	1	4422	0	6471	1	8520	0	10569	1
325	1	2374	0	4423	0	6472	1	8521	0	10570	1
326	0	2375	1	4424	1	6473	1	8522	1	10571	0
327	1	2376	0	4425	0	6474	1	8523	1	10572	0
328	1	2377	0	4426	0	6475	0	8524	0	10573	0
329	1	2378	0	4427	0	6476	0	8525	1	10574	0
330	1	2379	0	4428	0	6477	1	8526	0	10575	1
331	1	2380	0	4429	1	6478	1	8527	1	10576	1
332	1	2381	0	4430	0	6479	0	8528	1	10577	1
333	0	2382	1	4431	0	6480	1	8529	0	10578	1
334	1	2383	1	4432	1	6481	0	8530	0	10579	1
335	0	2384	1	4433	1	6482	1	8531	0	10580	0
336	0	2385	1	4434	0	6483	0	8532	0	10581	1
337	0	2386	1	4435	0	6484	1	8533	1	10582	0
338	0	2387	1	4436	0	6485	0	8534	0	10583	0
339	1	2388	1	4437	1	6486	1	8535	0	10584	0
340	1	2389	1	4438	1	6487	1	8536	0	10585	1
341	0	2390	0	4439	1	6488	1	8537	1	10586	0
342	0	2391	1	4440	0	6489	1	8538	0	10587	1
343	1	2392	1	4441	0	6490	1	8539	0	10588	1
344	0	2393	1	4442	0	6491	0	8540	0	10589	0
345	1	2394	0	4443	0	6492	1	8541	1	10590	1

346	0	2395	0	4444	0	6493	1	8542	1	10591	0
347	1	2396	1	4445	1	6494	0	8543	0	10592	1
348	0	2397	1	4446	1	6495	0	8544	0	10593	1
349	1	2398	1	4447	1	6496	0	8545	1	10594	1
350	0	2399	1	4448	0	6497	1	8546	1	10595	0
351	0	2400	0	4449	1	6498	0	8547	1	10596	1
352	0	2401	0	4450	1	6499	1	8548	0	10597	1
353	1	2402	0	4451	0	6500	0	8549	0	10598	0
354	1	2403	0	4452	0	6501	1	8550	0	10599	1
355	0	2404	1	4453	0	6502	0	8551	1	10600	0
356	0	2405	1	4454	1	6503	0	8552	0	10601	1
357	1	2406	1	4455	1	6504	1	8553	1	10602	0
358	0	2407	0	4456	0	6505	1	8554	1	10603	0
359	0	2408	1	4457	0	6506	0	8555	1	10604	1
360	0	2409	0	4458	1	6507	1	8556	1	10605	0
361	1	2410	1	4459	1	6508	1	8557	1	10606	0
362	1	2411	1	4460	0	6509	0	8558	1	10607	0
363	1	2412	1	4461	1	6510	1	8559	0	10608	1
364	1	2413	1	4462	1	6511	0	8560	1	10609	0
365	0	2414	0	4463	0	6512	0	8561	1	10610	1
366	0	2415	0	4464	1	6513	1	8562	1	10611	1
367	0	2416	0	4465	1	6514	1	8563	0	10612	0
368	0	2417	1	4466	1	6515	0	8564	1	10613	0
369	1	2418	0	4467	1	6516	1	8565	1	10614	0
370	1	2419	0	4468	1	6517	1	8566	0	10615	1
371	0	2420	1	4469	1	6518	0	8567	1	10616	1
372	1	2421	0	4470	1	6519	0	8568	0	10617	1
373	1	2422	1	4471	1	6520	1	8569	1	10618	1
374	1	2423	0	4472	0	6521	1	8570	0	10619	0
375	1	2424	0	4473	1	6522	0	8571	1	10620	1
376	1	2425	1	4474	0	6523	0	8572	0	10621	1
377	1	2426	0	4475	0	6524	1	8573	0	10622	0
378	0	2427	1	4476	1	6525	1	8574	0	10623	0
379	0	2428	0	4477	0	6526	1	8575	0	10624	0
380	1	2429	0	4478	0	6527	1	8576	0	10625	1
381	1	2430	0	4479	0	6528	0	8577	0	10626	1
382	1	2431	1	4480	0	6529	1	8578	1	10627	0
383	0	2432	1	4481	1	6530	1	8579	0	10628	1
384	1	2433	1	4482	1	6531	0	8580	1	10629	0
385	1	2434	1	4483	1	6532	0	8581	1	10630	1
386	0	2435	0	4484	1	6533	1	8582	0	10631	1
387	1	2436	1	4485	0	6534	1	8583	0	10632	1
388	0	2437	1	4486	1	6535	0	8584	1	10633	0
389	0	2438	1	4487	1	6536	0	8585	1	10634	0

390	1	2439	0	4488	1	6537	0	8586	1	10635	0
391	0	2440	1	4489	1	6538	1	8587	0	10636	0
392	0	2441	0	4490	0	6539	0	8588	0	10637	1
393	0	2442	1	4491	0	6540	0	8589	1	10638	0
394	0	2443	1	4492	1	6541	0	8590	0	10639	0
395	0	2444	1	4493	1	6542	1	8591	0	10640	1
396	0	2445	1	4494	1	6543	1	8592	1	10641	0
397	0	2446	1	4495	0	6544	1	8593	1	10642	0
398	0	2447	1	4496	0	6545	0	8594	0	10643	0
399	1	2448	0	4497	1	6546	1	8595	1	10644	0
400	1	2449	0	4498	0	6547	0	8596	1	10645	0
401	1	2450	0	4499	1	6548	0	8597	0	10646	0
402	1	2451	1	4500	1	6549	0	8598	0	10647	0
403	1	2452	1	4501	0	6550	0	8599	0	10648	0
404	1	2453	0	4502	1	6551	0	8600	1	10649	0
405	1	2454	0	4503	1	6552	1	8601	0	10650	1
406	1	2455	0	4504	1	6553	1	8602	1	10651	0
407	0	2456	1	4505	0	6554	0	8603	1	10652	1
408	0	2457	0	4506	0	6555	1	8604	1	10653	0
409	1	2458	0	4507	1	6556	1	8605	1	10654	0
410	1	2459	1	4508	0	6557	0	8606	0	10655	0
411	1	2460	1	4509	1	6558	1	8607	0	10656	1
412	0	2461	0	4510	0	6559	0	8608	0	10657	1
413	0	2462	1	4511	1	6560	0	8609	0	10658	0
414	1	2463	0	4512	0	6561	1	8610	1	10659	1
415	1	2464	1	4513	1	6562	1	8611	1	10660	1
416	0	2465	0	4514	0	6563	0	8612	0	10661	1
417	1	2466	0	4515	0	6564	1	8613	0	10662	1
418	1	2467	1	4516	1	6565	0	8614	0	10663	0
419	1	2468	1	4517	0	6566	0	8615	1	10664	1
420	0	2469	1	4518	1	6567	1	8616	1	10665	1
421	0	2470	1	4519	0	6568	0	8617	1	10666	1
422	0	2471	1	4520	0	6569	1	8618	1	10667	1
423	0	2472	0	4521	1	6570	0	8619	1	10668	0
424	1	2473	1	4522	1	6571	1	8620	0	10669	0
425	1	2474	0	4523	0	6572	0	8621	1	10670	1
426	0	2475	0	4524	0	6573	1	8622	1	10671	0
427	1	2476	0	4525	0	6574	0	8623	0	10672	0
428	1	2477	1	4526	0	6575	0	8624	1	10673	1
429	1	2478	0	4527	1	6576	1	8625	0	10674	1
430	0	2479	0	4528	1	6577	1	8626	0	10675	1
431	0	2480	1	4529	1	6578	0	8627	0	10676	1
432	0	2481	0	4530	1	6579	0	8628	0	10677	0
433	1	2482	0	4531	0	6580	0	8629	0	10678	1

434	1	2483	0	4532	1	6581	0	8630	1	10679	0
435	0	2484	1	4533	1	6582	0	8631	0	10680	0
436	1	2485	1	4534	0	6583	1	8632	1	10681	0
437	0	2486	0	4535	0	6584	1	8633	0	10682	1
438	0	2487	1	4536	0	6585	1	8634	0	10683	1
439	0	2488	1	4537	0	6586	1	8635	1	10684	1
440	1	2489	1	4538	1	6587	0	8636	1	10685	0
441	0	2490	0	4539	0	6588	1	8637	0	10686	0
442	0	2491	0	4540	0	6589	0	8638	1	10687	0
443	1	2492	0	4541	0	6590	0	8639	0	10688	0
444	0	2493	0	4542	0	6591	0	8640	1	10689	1
445	0	2494	0	4543	1	6592	0	8641	0	10690	1
446	1	2495	1	4544	1	6593	1	8642	0	10691	1
447	1	2496	1	4545	1	6594	0	8643	0	10692	1
448	0	2497	0	4546	1	6595	0	8644	1	10693	1
449	1	2498	1	4547	0	6596	1	8645	1	10694	1
450	0	2499	1	4548	1	6597	0	8646	0	10695	1
451	1	2500	0	4549	0	6598	0	8647	0	10696	1
452	0	2501	0	4550	0	6599	0	8648	1	10697	0
453	1	2502	0	4551	1	6600	0	8649	0	10698	1
454	0	2503	0	4552	1	6601	1	8650	0	10699	1
455	0	2504	1	4553	0	6602	1	8651	1	10700	1
456	0	2505	0	4554	0	6603	1	8652	1	10701	1
457	0	2506	1	4555	0	6604	1	8653	1	10702	1
458	0	2507	0	4556	1	6605	1	8654	1	10703	1
459	1	2508	1	4557	0	6606	1	8655	1	10704	0
460	1	2509	0	4558	1	6607	0	8656	0	10705	0
461	1	2510	1	4559	0	6608	1	8657	1	10706	0
462	0	2511	1	4560	0	6609	0	8658	1	10707	0
463	0	2512	0	4561	0	6610	1	8659	1	10708	0
464	0	2513	0	4562	0	6611	1	8660	1	10709	0
465	1	2514	0	4563	1	6612	1	8661	1	10710	1
466	0	2515	0	4564	1	6613	0	8662	1	10711	0
467	1	2516	0	4565	1	6614	1	8663	1	10712	1
468	0	2517	1	4566	0	6615	0	8664	0	10713	0
469	1	2518	1	4567	1	6616	1	8665	1	10714	0
470	1	2519	1	4568	1	6617	0	8666	1	10715	0
471	1	2520	1	4569	1	6618	1	8667	0	10716	1
472	1	2521	0	4570	0	6619	0	8668	0	10717	1
473	0	2522	0	4571	1	6620	1	8669	1	10718	0
474	0	2523	1	4572	1	6621	0	8670	0	10719	1
475	0	2524	1	4573	1	6622	0	8671	1	10720	0
476	0	2525	0	4574	0	6623	1	8672	1	10721	1
477	1	2526	0	4575	1	6624	1	8673	0	10722	1

478	1	2527	1	4576	1	6625	1	8674	0	10723	0
479	0	2528	1	4577	1	6626	1	8675	1	10724	0
480	0	2529	0	4578	1	6627	1	8676	1	10725	1
481	0	2530	1	4579	0	6628	0	8677	0	10726	0
482	0	2531	0	4580	0	6629	1	8678	1	10727	1
483	0	2532	1	4581	1	6630	1	8679	1	10728	1
484	0	2533	0	4582	0	6631	1	8680	1	10729	1
485	0	2534	0	4583	1	6632	0	8681	0	10730	0
486	1	2535	1	4584	1	6633	0	8682	0	10731	0
487	0	2536	0	4585	0	6634	1	8683	0	10732	0
488	0	2537	0	4586	1	6635	0	8684	0	10733	0
489	0	2538	1	4587	0	6636	1	8685	1	10734	1
490	1	2539	1	4588	1	6637	1	8686	1	10735	0
491	1	2540	1	4589	1	6638	0	8687	0	10736	0
492	0	2541	1	4590	1	6639	1	8688	0	10737	1
493	0	2542	1	4591	1	6640	1	8689	1	10738	0
494	0	2543	1	4592	1	6641	1	8690	1	10739	0
495	0	2544	0	4593	1	6642	0	8691	1	10740	0
496	0	2545	1	4594	0	6643	0	8692	0	10741	0
497	1	2546	1	4595	1	6644	1	8693	0	10742	0
498	1	2547	0	4596	0	6645	0	8694	0	10743	0
499	1	2548	1	4597	1	6646	0	8695	1	10744	1
500	0	2549	0	4598	0	6647	1	8696	0	10745	1
501	1	2550	0	4599	1	6648	0	8697	0	10746	0
502	0	2551	0	4600	0	6649	1	8698	0	10747	0
503	1	2552	1	4601	1	6650	1	8699	0	10748	0
504	0	2553	1	4602	1	6651	0	8700	1	10749	0
505	0	2554	0	4603	1	6652	1	8701	0	10750	1
506	0	2555	1	4604	0	6653	1	8702	0	10751	0
507	0	2556	0	4605	1	6654	1	8703	0	10752	0
508	1	2557	0	4606	1	6655	0	8704	0	10753	0
509	0	2558	1	4607	0	6656	1	8705	0	10754	1
510	0	2559	1	4608	0	6657	1	8706	1	10755	0
511	1	2560	0	4609	1	6658	0	8707	0	10756	0
512	1	2561	1	4610	0	6659	0	8708	0	10757	0
513	0	2562	1	4611	0	6660	1	8709	1	10758	0
514	1	2563	1	4612	1	6661	1	8710	1	10759	0
515	1	2564	0	4613	0	6662	1	8711	0	10760	0
516	0	2565	0	4614	0	6663	0	8712	1	10761	0
517	1	2566	1	4615	0	6664	1	8713	1	10762	1
518	0	2567	1	4616	1	6665	1	8714	0	10763	0
519	0	2568	0	4617	1	6666	1	8715	1	10764	1
520	0	2569	0	4618	0	6667	1	8716	0	10765	0
521	1	2570	0	4619	0	6668	0	8717	1	10766	0

522	1	2571	0	4620	0	6669	0	8718	1	10767	0
523	0	2572	1	4621	0	6670	1	8719	1	10768	0
524	1	2573	1	4622	0	6671	0	8720	1	10769	0
525	1	2574	1	4623	1	6672	0	8721	0	10770	0
526	1	2575	1	4624	0	6673	1	8722	1	10771	0
527	1	2576	0	4625	0	6674	1	8723	1	10772	1
528	0	2577	0	4626	1	6675	1	8724	1	10773	1
529	1	2578	0	4627	0	6676	1	8725	0	10774	1
530	0	2579	1	4628	1	6677	1	8726	1	10775	1
531	1	2580	0	4629	1	6678	0	8727	0	10776	0
532	1	2581	1	4630	1	6679	0	8728	1	10777	0
533	0	2582	1	4631	1	6680	0	8729	1	10778	0
534	1	2583	0	4632	0	6681	1	8730	0	10779	0
535	0	2584	0	4633	1	6682	0	8731	1	10780	1
536	0	2585	1	4634	0	6683	1	8732	1	10781	0
537	0	2586	0	4635	0	6684	1	8733	1	10782	1
538	1	2587	1	4636	1	6685	1	8734	1	10783	0
539	1	2588	1	4637	1	6686	0	8735	0	10784	0
540	0	2589	1	4638	1	6687	1	8736	1	10785	0
541	1	2590	1	4639	0	6688	0	8737	0	10786	0
542	1	2591	1	4640	1	6689	0	8738	1	10787	0
543	0	2592	0	4641	1	6690	1	8739	1	10788	0
544	0	2593	1	4642	0	6691	1	8740	0	10789	0
545	1	2594	1	4643	0	6692	0	8741	1	10790	1
546	1	2595	0	4644	1	6693	0	8742	0	10791	1
547	0	2596	0	4645	1	6694	0	8743	1	10792	0
548	0	2597	1	4646	0	6695	0	8744	1	10793	1
549	1	2598	1	4647	1	6696	1	8745	0	10794	0
550	1	2599	1	4648	0	6697	1	8746	0	10795	1
551	1	2600	0	4649	0	6698	1	8747	0	10796	0
552	0	2601	1	4650	0	6699	1	8748	1	10797	1
553	0	2602	0	4651	0	6700	0	8749	0	10798	1
554	1	2603	1	4652	0	6701	1	8750	0	10799	1
555	1	2604	0	4653	1	6702	0	8751	0	10800	0
556	0	2605	1	4654	0	6703	0	8752	1	10801	0
557	1	2606	0	4655	1	6704	1	8753	1	10802	1
558	0	2607	0	4656	1	6705	1	8754	0	10803	1
559	1	2608	0	4657	1	6706	0	8755	0	10804	1
560	1	2609	1	4658	0	6707	1	8756	0	10805	0
561	1	2610	1	4659	1	6708	1	8757	0	10806	0
562	1	2611	1	4660	0	6709	0	8758	0	10807	1
563	1	2612	1	4661	0	6710	1	8759	1	10808	0
564	0	2613	0	4662	0	6711	1	8760	0	10809	1
565	0	2614	1	4663	1	6712	0	8761	0	10810	1

566	1	2615	0	4664	1	6713	0	8762	1	10811	0
567	0	2616	1	4665	1	6714	1	8763	1	10812	1
568	0	2617	1	4666	1	6715	0	8764	0	10813	1
569	0	2618	0	4667	1	6716	1	8765	0	10814	0
570	0	2619	1	4668	0	6717	1	8766	0	10815	1
571	1	2620	0	4669	1	6718	0	8767	0	10816	0
572	0	2621	1	4670	1	6719	1	8768	0	10817	1
573	0	2622	1	4671	0	6720	0	8769	0	10818	1
574	0	2623	0	4672	0	6721	0	8770	1	10819	0
575	0	2624	1	4673	1	6722	0	8771	1	10820	1
576	1	2625	1	4674	0	6723	1	8772	1	10821	1
577	1	2626	1	4675	1	6724	1	8773	0	10822	1
578	1	2627	0	4676	1	6725	1	8774	0	10823	0
579	1	2628	0	4677	1	6726	1	8775	1	10824	0
580	1	2629	0	4678	0	6727	0	8776	1	10825	0
581	1	2630	1	4679	1	6728	0	8777	1	10826	0
582	0	2631	0	4680	0	6729	1	8778	0	10827	1
583	1	2632	0	4681	0	6730	0	8779	1	10828	0
584	0	2633	0	4682	1	6731	0	8780	1	10829	1
585	1	2634	0	4683	0	6732	0	8781	1	10830	0
586	0	2635	0	4684	0	6733	0	8782	0	10831	1
587	0	2636	0	4685	0	6734	0	8783	1	10832	0
588	0	2637	0	4686	0	6735	0	8784	1	10833	1
589	1	2638	0	4687	0	6736	1	8785	0	10834	0
590	1	2639	0	4688	1	6737	1	8786	1	10835	1
591	1	2640	0	4689	1	6738	1	8787	1	10836	1
592	1	2641	0	4690	0	6739	0	8788	0	10837	0
593	0	2642	1	4691	0	6740	1	8789	1	10838	0
594	1	2643	1	4692	1	6741	1	8790	1	10839	0
595	0	2644	0	4693	1	6742	0	8791	0	10840	1
596	1	2645	0	4694	0	6743	0	8792	1	10841	0
597	0	2646	0	4695	0	6744	0	8793	1	10842	1
598	1	2647	1	4696	0	6745	0	8794	0	10843	0
599	1	2648	0	4697	1	6746	0	8795	0	10844	1
600	0	2649	0	4698	0	6747	0	8796	1	10845	1
601	1	2650	0	4699	0	6748	1	8797	1	10846	1
602	0	2651	0	4700	1	6749	1	8798	0	10847	0
603	0	2652	1	4701	0	6750	0	8799	1	10848	0
604	1	2653	0	4702	0	6751	1	8800	1	10849	0
605	0	2654	1	4703	0	6752	0	8801	0	10850	1
606	1	2655	0	4704	1	6753	1	8802	0	10851	0
607	1	2656	0	4705	1	6754	1	8803	0	10852	1
608	0	2657	1	4706	0	6755	1	8804	1	10853	1
609	1	2658	1	4707	1	6756	1	8805	1	10854	1

610	0	2659	0	4708	0	6757	1	8806	0	10855	1
611	0	2660	0	4709	1	6758	1	8807	1	10856	1
612	0	2661	1	4710	0	6759	1	8808	0	10857	0
613	1	2662	0	4711	0	6760	0	8809	1	10858	0
614	0	2663	0	4712	1	6761	1	8810	0	10859	1
615	0	2664	1	4713	0	6762	1	8811	1	10860	1
616	0	2665	0	4714	0	6763	1	8812	1	10861	0
617	1	2666	1	4715	1	6764	1	8813	1	10862	1
618	0	2667	0	4716	0	6765	1	8814	0	10863	0
619	1	2668	0	4717	0	6766	1	8815	1	10864	0
620	1	2669	1	4718	1	6767	1	8816	0	10865	0
621	1	2670	1	4719	1	6768	1	8817	0	10866	0
622	0	2671	0	4720	1	6769	1	8818	1	10867	1
623	1	2672	0	4721	0	6770	1	8819	0	10868	1
624	0	2673	1	4722	0	6771	1	8820	0	10869	0
625	1	2674	0	4723	0	6772	0	8821	0	10870	0
626	0	2675	0	4724	1	6773	1	8822	0	10871	0
627	1	2676	0	4725	1	6774	1	8823	0	10872	0
628	0	2677	0	4726	1	6775	0	8824	1	10873	0
629	0	2678	1	4727	1	6776	1	8825	1	10874	1
630	0	2679	0	4728	1	6777	1	8826	1	10875	1
631	1	2680	0	4729	0	6778	0	8827	1	10876	0
632	1	2681	0	4730	0	6779	0	8828	0	10877	0
633	1	2682	0	4731	1	6780	0	8829	0	10878	1
634	0	2683	1	4732	1	6781	1	8830	1	10879	0
635	1	2684	0	4733	1	6782	0	8831	1	10880	0
636	1	2685	0	4734	0	6783	1	8832	1	10881	1
637	1	2686	0	4735	1	6784	1	8833	0	10882	1
638	0	2687	1	4736	1	6785	0	8834	1	10883	0
639	0	2688	0	4737	1	6786	1	8835	1	10884	1
640	0	2689	1	4738	0	6787	1	8836	1	10885	0
641	1	2690	0	4739	0	6788	1	8837	0	10886	1
642	0	2691	1	4740	1	6789	0	8838	1	10887	1
643	1	2692	1	4741	0	6790	0	8839	1	10888	1
644	0	2693	0	4742	1	6791	0	8840	0	10889	0
645	1	2694	1	4743	1	6792	0	8841	0	10890	1
646	1	2695	1	4744	0	6793	1	8842	0	10891	0
647	1	2696	1	4745	1	6794	0	8843	0	10892	0
648	1	2697	0	4746	0	6795	0	8844	0	10893	0
649	1	2698	0	4747	0	6796	1	8845	1	10894	1
650	0	2699	0	4748	0	6797	0	8846	0	10895	1
651	0	2700	1	4749	0	6798	1	8847	0	10896	0
652	0	2701	0	4750	1	6799	1	8848	0	10897	0
653	1	2702	0	4751	1	6800	0	8849	1	10898	1

654	0	2703	0	4752	1	6801	0	8850	1	10899	1
655	0	2704	1	4753	1	6802	1	8851	0	10900	1
656	1	2705	1	4754	1	6803	1	8852	0	10901	0
657	0	2706	1	4755	0	6804	0	8853	0	10902	0
658	0	2707	1	4756	0	6805	0	8854	1	10903	1
659	0	2708	1	4757	0	6806	0	8855	0	10904	0
660	0	2709	1	4758	0	6807	1	8856	1	10905	0
661	1	2710	0	4759	0	6808	0	8857	0	10906	1
662	1	2711	1	4760	0	6809	0	8858	1	10907	1
663	1	2712	1	4761	0	6810	0	8859	1	10908	1
664	1	2713	0	4762	1	6811	0	8860	1	10909	0
665	0	2714	0	4763	1	6812	0	8861	0	10910	1
666	1	2715	1	4764	1	6813	1	8862	1	10911	0
667	0	2716	1	4765	0	6814	0	8863	1	10912	0
668	0	2717	0	4766	1	6815	1	8864	1	10913	0
669	1	2718	1	4767	0	6816	0	8865	1	10914	0
670	0	2719	1	4768	1	6817	1	8866	1	10915	1
671	0	2720	0	4769	0	6818	1	8867	0	10916	1
672	1	2721	1	4770	0	6819	1	8868	0	10917	0
673	1	2722	1	4771	1	6820	0	8869	1	10918	0
674	0	2723	1	4772	0	6821	0	8870	1	10919	0
675	1	2724	1	4773	1	6822	0	8871	1	10920	1
676	1	2725	1	4774	1	6823	0	8872	1	10921	0
677	0	2726	1	4775	0	6824	0	8873	1	10922	0
678	0	2727	0	4776	0	6825	0	8874	1	10923	1
679	0	2728	1	4777	0	6826	1	8875	1	10924	1
680	1	2729	1	4778	1	6827	0	8876	1	10925	0
681	0	2730	0	4779	1	6828	1	8877	1	10926	0
682	0	2731	1	4780	1	6829	0	8878	0	10927	1
683	1	2732	0	4781	1	6830	1	8879	0	10928	1
684	0	2733	1	4782	0	6831	0	8880	1	10929	0
685	1	2734	0	4783	0	6832	1	8881	1	10930	1
686	0	2735	0	4784	1	6833	0	8882	0	10931	0
687	1	2736	0	4785	0	6834	1	8883	0	10932	1
688	1	2737	0	4786	0	6835	1	8884	0	10933	1
689	1	2738	1	4787	0	6836	1	8885	1	10934	0
690	1	2739	1	4788	1	6837	1	8886	1	10935	1
691	1	2740	1	4789	0	6838	1	8887	1	10936	0
692	0	2741	1	4790	0	6839	1	8888	1	10937	1
693	0	2742	0	4791	0	6840	1	8889	1	10938	1
694	0	2743	0	4792	0	6841	1	8890	1	10939	1
695	0	2744	1	4793	1	6842	1	8891	0	10940	0
696	1	2745	0	4794	1	6843	1	8892	1	10941	1
697	1	2746	0	4795	1	6844	1	8893	1	10942	1

698	0	2747	0	4796	1	6845	0	8894	0	10943	1
699	1	2748	0	4797	1	6846	1	8895	1	10944	1
700	0	2749	0	4798	1	6847	1	8896	0	10945	0
701	1	2750	0	4799	0	6848	1	8897	1	10946	0
702	0	2751	1	4800	1	6849	0	8898	0	10947	0
703	0	2752	1	4801	1	6850	1	8899	1	10948	1
704	1	2753	1	4802	0	6851	1	8900	1	10949	0
705	0	2754	1	4803	1	6852	1	8901	0	10950	0
706	1	2755	1	4804	1	6853	0	8902	1	10951	1
707	0	2756	1	4805	1	6854	0	8903	1	10952	1
708	1	2757	0	4806	1	6855	1	8904	0	10953	0
709	0	2758	0	4807	0	6856	1	8905	1	10954	0
710	1	2759	1	4808	1	6857	0	8906	1	10955	1
711	1	2760	0	4809	0	6858	1	8907	0	10956	0
712	0	2761	0	4810	0	6859	0	8908	0	10957	0
713	0	2762	1	4811	0	6860	0	8909	0	10958	0
714	0	2763	0	4812	0	6861	0	8910	1	10959	0
715	1	2764	0	4813	1	6862	1	8911	1	10960	1
716	0	2765	0	4814	1	6863	0	8912	1	10961	1
717	0	2766	0	4815	1	6864	1	8913	0	10962	0
718	0	2767	1	4816	1	6865	1	8914	1	10963	0
719	0	2768	0	4817	0	6866	0	8915	1	10964	0
720	1	2769	0	4818	1	6867	1	8916	1	10965	1
721	0	2770	1	4819	1	6868	0	8917	1	10966	0
722	1	2771	0	4820	0	6869	0	8918	0	10967	1
723	0	2772	1	4821	0	6870	1	8919	1	10968	1
724	1	2773	0	4822	1	6871	1	8920	1	10969	0
725	1	2774	1	4823	1	6872	0	8921	1	10970	0
726	0	2775	1	4824	1	6873	1	8922	1	10971	1
727	1	2776	1	4825	0	6874	1	8923	1	10972	1
728	1	2777	1	4826	1	6875	1	8924	1	10973	0
729	1	2778	0	4827	1	6876	0	8925	1	10974	0
730	0	2779	1	4828	0	6877	1	8926	1	10975	0
731	1	2780	1	4829	0	6878	0	8927	1	10976	0
732	0	2781	1	4830	0	6879	1	8928	1	10977	0
733	1	2782	0	4831	1	6880	0	8929	1	10978	1
734	0	2783	0	4832	0	6881	0	8930	0	10979	1
735	1	2784	1	4833	1	6882	0	8931	1	10980	1
736	1	2785	1	4834	0	6883	0	8932	1	10981	1
737	0	2786	1	4835	1	6884	0	8933	1	10982	0
738	1	2787	0	4836	1	6885	1	8934	1	10983	1
739	0	2788	1	4837	1	6886	1	8935	1	10984	1
740	0	2789	1	4838	0	6887	1	8936	1	10985	0
741	1	2790	0	4839	0	6888	0	8937	0	10986	1

742	1	2791	1	4840	1	6889	1	8938	1	10987	1
743	1	2792	1	4841	0	6890	0	8939	0	10988	1
744	0	2793	0	4842	0	6891	1	8940	0	10989	0
745	1	2794	1	4843	1	6892	0	8941	0	10990	1
746	0	2795	0	4844	1	6893	1	8942	1	10991	0
747	0	2796	0	4845	1	6894	1	8943	0	10992	0
748	1	2797	0	4846	1	6895	0	8944	1	10993	1
749	1	2798	1	4847	1	6896	1	8945	0	10994	1
750	0	2799	1	4848	1	6897	0	8946	1	10995	0
751	1	2800	1	4849	0	6898	0	8947	0	10996	0
752	0	2801	0	4850	1	6899	0	8948	0	10997	0
753	0	2802	1	4851	0	6900	1	8949	0	10998	1
754	0	2803	0	4852	0	6901	1	8950	1	10999	0
755	0	2804	0	4853	1	6902	1	8951	0	11000	0
756	0	2805	0	4854	1	6903	1	8952	0	11001	0
757	0	2806	0	4855	1	6904	0	8953	1	11002	0
758	1	2807	0	4856	0	6905	0	8954	0	11003	1
759	1	2808	1	4857	1	6906	0	8955	0	11004	0
760	1	2809	1	4858	0	6907	0	8956	0	11005	0
761	0	2810	0	4859	0	6908	1	8957	1	11006	0
762	0	2811	1	4860	0	6909	0	8958	1	11007	1
763	0	2812	0	4861	0	6910	0	8959	1	11008	0
764	0	2813	0	4862	0	6911	0	8960	0	11009	0
765	0	2814	0	4863	0	6912	1	8961	1	11010	1
766	1	2815	1	4864	1	6913	1	8962	0	11011	1
767	0	2816	0	4865	1	6914	1	8963	0	11012	1
768	0	2817	1	4866	1	6915	1	8964	1	11013	1
769	0	2818	1	4867	0	6916	0	8965	1	11014	1
770	1	2819	0	4868	0	6917	1	8966	0	11015	0
771	0	2820	0	4869	0	6918	1	8967	0	11016	1
772	1	2821	1	4870	1	6919	1	8968	0	11017	1
773	0	2822	1	4871	1	6920	1	8969	1	11018	1
774	1	2823	0	4872	0	6921	0	8970	0	11019	1
775	0	2824	1	4873	0	6922	1	8971	0	11020	0
776	0	2825	1	4874	0	6923	0	8972	0	11021	1
777	1	2826	1	4875	0	6924	1	8973	0	11022	1
778	0	2827	1	4876	0	6925	0	8974	0	11023	1
779	1	2828	1	4877	1	6926	1	8975	1	11024	1
780	1	2829	0	4878	1	6927	1	8976	1	11025	1
781	1	2830	0	4879	0	6928	0	8977	0	11026	0
782	1	2831	0	4880	0	6929	1	8978	1	11027	0
783	1	2832	1	4881	0	6930	1	8979	0	11028	1
784	0	2833	1	4882	0	6931	1	8980	0	11029	0
785	1	2834	1	4883	1	6932	1	8981	0	11030	0

786	0	2835	0	4884	0	6933	1	8982	1	11031	1
787	1	2836	0	4885	0	6934	0	8983	1	11032	0
788	1	2837	0	4886	1	6935	1	8984	1	11033	1
789	1	2838	0	4887	1	6936	1	8985	1	11034	1
790	0	2839	0	4888	0	6937	0	8986	0	11035	1
791	1	2840	1	4889	1	6938	1	8987	0	11036	0
792	0	2841	1	4890	1	6939	1	8988	0	11037	0
793	0	2842	1	4891	0	6940	0	8989	0	11038	1
794	0	2843	1	4892	0	6941	0	8990	1	11039	0
795	1	2844	1	4893	1	6942	0	8991	1	11040	0
796	1	2845	0	4894	0	6943	1	8992	1	11041	1
797	1	2846	0	4895	0	6944	1	8993	0	11042	1
798	1	2847	0	4896	0	6945	0	8994	0	11043	0
799	1	2848	1	4897	1	6946	1	8995	0	11044	0
800	0	2849	0	4898	1	6947	0	8996	0	11045	1
801	0	2850	0	4899	0	6948	1	8997	1	11046	0
802	1	2851	1	4900	0	6949	0	8998	0	11047	1
803	0	2852	1	4901	0	6950	1	8999	0	11048	0
804	0	2853	1	4902	0	6951	0	9000	0	11049	0
805	1	2854	0	4903	0	6952	0	9001	1	11050	0
806	0	2855	1	4904	0	6953	0	9002	0	11051	0
807	1	2856	1	4905	0	6954	0	9003	1	11052	1
808	0	2857	0	4906	1	6955	1	9004	0	11053	0
809	0	2858	0	4907	0	6956	1	9005	0	11054	0
810	1	2859	0	4908	1	6957	0	9006	1	11055	0
811	1	2860	1	4909	0	6958	1	9007	0	11056	1
812	1	2861	1	4910	0	6959	1	9008	0	11057	0
813	1	2862	1	4911	1	6960	0	9009	0	11058	1
814	1	2863	0	4912	1	6961	0	9010	1	11059	0
815	1	2864	1	4913	0	6962	0	9011	0	11060	0
816	0	2865	0	4914	1	6963	1	9012	1	11061	0
817	0	2866	0	4915	1	6964	1	9013	1	11062	1
818	0	2867	0	4916	1	6965	1	9014	1	11063	1
819	0	2868	0	4917	1	6966	1	9015	0	11064	1
820	0	2869	1	4918	0	6967	1	9016	1	11065	1
821	1	2870	0	4919	1	6968	1	9017	0	11066	1
822	0	2871	0	4920	1	6969	1	9018	0	11067	0
823	1	2872	0	4921	1	6970	1	9019	1	11068	1
824	0	2873	1	4922	1	6971	0	9020	1	11069	0
825	0	2874	0	4923	0	6972	1	9021	1	11070	0
826	1	2875	0	4924	0	6973	1	9022	1	11071	0
827	1	2876	0	4925	1	6974	1	9023	1	11072	0
828	0	2877	1	4926	0	6975	1	9024	1	11073	0
829	1	2878	0	4927	0	6976	0	9025	1	11074	0

830	0	2879	0	4928	1	6977	1	9026	0	11075	1
831	1	2880	0	4929	1	6978	0	9027	0	11076	1
832	1	2881	0	4930	0	6979	1	9028	0	11077	1
833	0	2882	0	4931	0	6980	1	9029	1	11078	0
834	0	2883	0	4932	1	6981	0	9030	0	11079	1
835	0	2884	1	4933	1	6982	0	9031	1	11080	0
836	1	2885	0	4934	0	6983	0	9032	0	11081	1
837	0	2886	0	4935	0	6984	1	9033	0	11082	0
838	1	2887	1	4936	1	6985	1	9034	1	11083	0
839	1	2888	0	4937	0	6986	1	9035	0	11084	0
840	0	2889	0	4938	1	6987	0	9036	1	11085	1
841	1	2890	1	4939	1	6988	1	9037	1	11086	0
842	0	2891	0	4940	0	6989	1	9038	1	11087	0
843	0	2892	1	4941	1	6990	1	9039	0	11088	0
844	1	2893	0	4942	1	6991	1	9040	0	11089	0
845	1	2894	1	4943	0	6992	0	9041	0	11090	1
846	0	2895	1	4944	1	6993	1	9042	0	11091	0
847	0	2896	0	4945	1	6994	1	9043	1	11092	1
848	0	2897	1	4946	1	6995	1	9044	1	11093	0
849	0	2898	1	4947	1	6996	0	9045	0	11094	0
850	0	2899	0	4948	1	6997	1	9046	1	11095	1
851	0	2900	0	4949	0	6998	1	9047	0	11096	1
852	0	2901	1	4950	1	6999	1	9048	0	11097	1
853	1	2902	1	4951	1	7000	0	9049	1	11098	0
854	0	2903	1	4952	0	7001	1	9050	0	11099	0
855	0	2904	0	4953	0	7002	1	9051	0	11100	0
856	0	2905	1	4954	0	7003	1	9052	1	11101	1
857	1	2906	1	4955	0	7004	0	9053	1	11102	0
858	1	2907	0	4956	0	7005	1	9054	1	11103	0
859	0	2908	1	4957	1	7006	0	9055	0	11104	0
860	0	2909	1	4958	0	7007	1	9056	0	11105	0
861	1	2910	0	4959	1	7008	1	9057	0	11106	1
862	0	2911	1	4960	1	7009	0	9058	1	11107	0
863	1	2912	0	4961	1	7010	0	9059	1	11108	1
864	1	2913	1	4962	0	7011	1	9060	1	11109	1
865	0	2914	0	4963	0	7012	0	9061	0	11110	1
866	1	2915	0	4964	1	7013	0	9062	0	11111	0
867	1	2916	1	4965	1	7014	1	9063	1	11112	1
868	0	2917	0	4966	0	7015	0	9064	1	11113	1
869	1	2918	1	4967	1	7016	1	9065	1	11114	0
870	1	2919	0	4968	1	7017	0	9066	1	11115	1
871	1	2920	1	4969	0	7018	0	9067	1	11116	1
872	0	2921	1	4970	1	7019	1	9068	1	11117	0
873	0	2922	1	4971	1	7020	0	9069	1	11118	0

874	1	2923	1	4972	1	7021	1	9070	1	11119	1
875	1	2924	1	4973	1	7022	0	9071	0	11120	0
876	0	2925	0	4974	1	7023	1	9072	0	11121	0
877	1	2926	0	4975	0	7024	1	9073	1	11122	0
878	1	2927	0	4976	1	7025	0	9074	0	11123	1
879	0	2928	1	4977	0	7026	1	9075	1	11124	1
880	0	2929	0	4978	0	7027	0	9076	0	11125	1
881	0	2930	1	4979	1	7028	0	9077	1	11126	1
882	0	2931	0	4980	1	7029	1	9078	0	11127	1
883	1	2932	1	4981	1	7030	1	9079	1	11128	0
884	0	2933	1	4982	0	7031	1	9080	1	11129	1
885	0	2934	0	4983	1	7032	0	9081	0	11130	1
886	0	2935	0	4984	0	7033	1	9082	0	11131	1
887	1	2936	1	4985	0	7034	1	9083	1	11132	0
888	0	2937	1	4986	1	7035	0	9084	0	11133	1
889	0	2938	0	4987	1	7036	1	9085	1	11134	0
890	1	2939	0	4988	0	7037	1	9086	0	11135	1
891	1	2940	1	4989	1	7038	1	9087	0	11136	0
892	1	2941	1	4990	1	7039	1	9088	0	11137	1
893	1	2942	1	4991	1	7040	1	9089	1	11138	0
894	1	2943	0	4992	0	7041	1	9090	0	11139	1
895	0	2944	1	4993	1	7042	1	9091	1	11140	0
896	0	2945	1	4994	1	7043	1	9092	1	11141	0
897	1	2946	0	4995	1	7044	1	9093	0	11142	1
898	0	2947	0	4996	0	7045	0	9094	0	11143	0
899	1	2948	1	4997	0	7046	1	9095	1	11144	1
900	0	2949	1	4998	0	7047	0	9096	1	11145	0
901	0	2950	0	4999	0	7048	0	9097	1	11146	0
902	1	2951	1	5000	1	7049	0	9098	0	11147	0
903	0	2952	0	5001	0	7050	1	9099	0	11148	1
904	0	2953	0	5002	1	7051	0	9100	0	11149	1
905	1	2954	0	5003	1	7052	0	9101	1	11150	0
906	0	2955	0	5004	1	7053	1	9102	0	11151	0
907	0	2956	1	5005	1	7054	0	9103	1	11152	0
908	1	2957	1	5006	0	7055	0	9104	1	11153	1
909	1	2958	0	5007	1	7056	1	9105	0	11154	0
910	1	2959	0	5008	0	7057	1	9106	1	11155	1
911	0	2960	0	5009	1	7058	0	9107	0	11156	1
912	1	2961	1	5010	0	7059	0	9108	1	11157	1
913	1	2962	1	5011	1	7060	1	9109	0	11158	1
914	1	2963	1	5012	1	7061	1	9110	1	11159	1
915	0	2964	0	5013	0	7062	0	9111	0	11160	1
916	0	2965	1	5014	1	7063	0	9112	1	11161	1
917	1	2966	0	5015	1	7064	0	9113	1	11162	1

918	0	2967	1	5016	1	7065	1	9114	1	11163	1
919	0	2968	1	5017	0	7066	0	9115	0	11164	0
920	0	2969	1	5018	1	7067	0	9116	0	11165	1
921	0	2970	0	5019	0	7068	0	9117	0	11166	1
922	0	2971	0	5020	1	7069	0	9118	0	11167	1
923	1	2972	1	5021	1	7070	1	9119	1	11168	0
924	0	2973	1	5022	1	7071	1	9120	0	11169	0
925	1	2974	0	5023	1	7072	1	9121	0	11170	1
926	1	2975	1	5024	0	7073	0	9122	1	11171	1
927	0	2976	0	5025	0	7074	1	9123	1	11172	1
928	1	2977	1	5026	0	7075	1	9124	0	11173	1
929	0	2978	1	5027	1	7076	0	9125	0	11174	0
930	0	2979	0	5028	0	7077	0	9126	1	11175	0
931	0	2980	1	5029	1	7078	1	9127	1	11176	0
932	1	2981	0	5030	1	7079	1	9128	0	11177	1
933	0	2982	1	5031	1	7080	0	9129	1	11178	1
934	0	2983	0	5032	1	7081	1	9130	1	11179	0
935	0	2984	1	5033	0	7082	1	9131	1	11180	0
936	0	2985	0	5034	1	7083	1	9132	1	11181	0
937	0	2986	0	5035	0	7084	0	9133	1	11182	0
938	1	2987	1	5036	1	7085	0	9134	1	11183	0
939	0	2988	0	5037	0	7086	1	9135	0	11184	1
940	0	2989	0	5038	1	7087	0	9136	1	11185	0
941	1	2990	1	5039	0	7088	0	9137	1	11186	1
942	0	2991	0	5040	1	7089	0	9138	1	11187	0
943	0	2992	0	5041	0	7090	1	9139	1	11188	1
944	0	2993	0	5042	1	7091	0	9140	1	11189	0
945	0	2994	1	5043	1	7092	1	9141	1	11190	1
946	1	2995	1	5044	1	7093	1	9142	1	11191	1
947	0	2996	1	5045	1	7094	1	9143	0	11192	1
948	0	2997	1	5046	1	7095	0	9144	1	11193	1
949	1	2998	0	5047	0	7096	1	9145	0	11194	0
950	0	2999	0	5048	0	7097	1	9146	1	11195	0
951	1	3000	1	5049	0	7098	1	9147	0	11196	1
952	0	3001	0	5050	1	7099	0	9148	1	11197	1
953	0	3002	1	5051	0	7100	1	9149	1	11198	0
954	1	3003	1	5052	1	7101	1	9150	1	11199	1
955	0	3004	0	5053	0	7102	0	9151	1	11200	1
956	1	3005	0	5054	0	7103	1	9152	1	11201	1
957	0	3006	0	5055	0	7104	1	9153	0	11202	1
958	1	3007	0	5056	0	7105	1	9154	0	11203	0
959	0	3008	1	5057	0	7106	0	9155	1	11204	0
960	1	3009	1	5058	1	7107	1	9156	1	11205	0
961	0	3010	1	5059	0	7108	1	9157	0	11206	0

962	0	3011	1	5060	1	7109	1	9158	1	11207	0
963	1	3012	0	5061	0	7110	1	9159	1	11208	1
964	0	3013	0	5062	1	7111	1	9160	1	11209	0
965	1	3014	0	5063	1	7112	1	9161	1	11210	0
966	1	3015	1	5064	0	7113	1	9162	1	11211	1
967	1	3016	0	5065	1	7114	1	9163	1	11212	0
968	0	3017	0	5066	1	7115	1	9164	0	11213	0
969	0	3018	0	5067	1	7116	1	9165	1	11214	0
970	0	3019	1	5068	0	7117	1	9166	0	11215	1
971	1	3020	1	5069	0	7118	1	9167	1	11216	0
972	0	3021	0	5070	1	7119	1	9168	1	11217	0
973	0	3022	1	5071	1	7120	1	9169	1	11218	1
974	0	3023	0	5072	0	7121	1	9170	1	11219	1
975	1	3024	0	5073	0	7122	1	9171	0	11220	1
976	1	3025	1	5074	1	7123	1	9172	1	11221	1
977	0	3026	0	5075	0	7124	0	9173	1	11222	1
978	1	3027	0	5076	1	7125	1	9174	0	11223	0
979	0	3028	1	5077	1	7126	0	9175	1	11224	1
980	1	3029	1	5078	0	7127	0	9176	0	11225	0
981	0	3030	0	5079	0	7128	0	9177	1	11226	1
982	0	3031	1	5080	1	7129	0	9178	1	11227	0
983	0	3032	0	5081	1	7130	1	9179	1	11228	0
984	1	3033	0	5082	0	7131	1	9180	0	11229	1
985	1	3034	1	5083	1	7132	0	9181	1	11230	0
986	1	3035	0	5084	1	7133	0	9182	0	11231	1
987	0	3036	0	5085	0	7134	0	9183	0	11232	1
988	1	3037	1	5086	0	7135	1	9184	1	11233	1
989	0	3038	0	5087	0	7136	1	9185	0	11234	0
990	1	3039	1	5088	1	7137	1	9186	0	11235	1
991	1	3040	1	5089	1	7138	1	9187	0	11236	1
992	0	3041	0	5090	1	7139	0	9188	0	11237	0
993	1	3042	0	5091	1	7140	0	9189	0	11238	0
994	1	3043	0	5092	0	7141	0	9190	0	11239	1
995	0	3044	0	5093	1	7142	0	9191	1	11240	1
996	0	3045	0	5094	1	7143	0	9192	0	11241	0
997	1	3046	1	5095	1	7144	0	9193	1	11242	0
998	0	3047	1	5096	1	7145	1	9194	1	11243	0
999	1	3048	0	5097	1	7146	0	9195	0	11244	1
1000	0	3049	1	5098	1	7147	0	9196	0	11245	0
1001	0	3050	0	5099	1	7148	1	9197	0	11246	1
1002	1	3051	1	5100	1	7149	1	9198	0	11247	0
1003	1	3052	1	5101	1	7150	1	9199	0	11248	0
1004	1	3053	0	5102	0	7151	1	9200	1	11249	0
1005	0	3054	1	5103	1	7152	1	9201	0	11250	1

1006	0	3055	1	5104	1	7153	1	9202	0	11251	1
1007	0	3056	0	5105	1	7154	0	9203	0	11252	1
1008	1	3057	0	5106	1	7155	0	9204	0	11253	0
1009	0	3058	1	5107	1	7156	1	9205	1	11254	1
1010	1	3059	0	5108	1	7157	1	9206	1	11255	1
1011	1	3060	1	5109	1	7158	1	9207	0	11256	0
1012	1	3061	1	5110	0	7159	1	9208	0	11257	1
1013	1	3062	0	5111	0	7160	1	9209	0	11258	0
1014	0	3063	1	5112	1	7161	1	9210	0	11259	1
1015	0	3064	0	5113	0	7162	0	9211	1	11260	0
1016	0	3065	0	5114	0	7163	1	9212	0	11261	0
1017	1	3066	0	5115	1	7164	0	9213	0	11262	0
1018	0	3067	0	5116	1	7165	1	9214	1	11263	0
1019	1	3068	1	5117	1	7166	0	9215	0	11264	1
1020	1	3069	0	5118	0	7167	0	9216	0	11265	1
1021	1	3070	1	5119	0	7168	0	9217	0	11266	1
1022	1	3071	1	5120	1	7169	0	9218	0	11267	0
1023	1	3072	1	5121	0	7170	0	9219	0	11268	0
1024	1	3073	0	5122	0	7171	0	9220	1	11269	0
1025	0	3074	1	5123	1	7172	1	9221	1	11270	0
1026	1	3075	1	5124	0	7173	1	9222	1	11271	1
1027	1	3076	0	5125	0	7174	0	9223	1	11272	1
1028	1	3077	1	5126	1	7175	0	9224	0	11273	1
1029	0	3078	0	5127	1	7176	0	9225	0	11274	0
1030	1	3079	1	5128	1	7177	0	9226	0	11275	1
1031	1	3080	1	5129	0	7178	1	9227	0	11276	0
1032	0	3081	1	5130	0	7179	1	9228	0	11277	0
1033	1	3082	1	5131	0	7180	1	9229	0	11278	1
1034	1	3083	1	5132	0	7181	1	9230	0	11279	1
1035	0	3084	0	5133	0	7182	0	9231	0	11280	1
1036	1	3085	0	5134	0	7183	0	9232	1	11281	1
1037	1	3086	0	5135	0	7184	1	9233	1	11282	1
1038	1	3087	0	5136	1	7185	0	9234	1	11283	0
1039	0	3088	0	5137	0	7186	0	9235	1	11284	1
1040	0	3089	1	5138	1	7187	1	9236	1	11285	0
1041	0	3090	1	5139	1	7188	1	9237	0	11286	0
1042	0	3091	1	5140	1	7189	1	9238	1	11287	1
1043	0	3092	1	5141	1	7190	1	9239	1	11288	1
1044	0	3093	0	5142	1	7191	0	9240	0	11289	1
1045	1	3094	1	5143	0	7192	1	9241	0	11290	0
1046	0	3095	0	5144	1	7193	0	9242	0	11291	1
1047	1	3096	0	5145	0	7194	1	9243	1	11292	1
1048	1	3097	0	5146	1	7195	0	9244	1	11293	0
1049	0	3098	0	5147	1	7196	0	9245	0	11294	0

1050	1	3099	1	5148	1	7197	1	9246	0	11295	1
1051	1	3100	1	5149	1	7198	0	9247	0	11296	0
1052	1	3101	1	5150	1	7199	0	9248	0	11297	1
1053	1	3102	1	5151	1	7200	0	9249	0	11298	1
1054	1	3103	1	5152	1	7201	0	9250	0	11299	1
1055	0	3104	0	5153	1	7202	0	9251	0	11300	1
1056	0	3105	1	5154	0	7203	0	9252	0	11301	1
1057	0	3106	1	5155	0	7204	1	9253	0	11302	0
1058	1	3107	0	5156	0	7205	0	9254	0	11303	1
1059	1	3108	0	5157	0	7206	1	9255	1	11304	1
1060	1	3109	1	5158	0	7207	1	9256	1	11305	1
1061	1	3110	1	5159	1	7208	0	9257	1	11306	1
1062	0	3111	1	5160	1	7209	1	9258	1	11307	0
1063	0	3112	1	5161	0	7210	1	9259	1	11308	0
1064	0	3113	0	5162	1	7211	0	9260	0	11309	1
1065	0	3114	0	5163	1	7212	0	9261	0	11310	0
1066	1	3115	0	5164	0	7213	1	9262	1	11311	0
1067	1	3116	1	5165	0	7214	0	9263	1	11312	0
1068	0	3117	1	5166	1	7215	0	9264	0	11313	0
1069	1	3118	1	5167	0	7216	0	9265	0	11314	1
1070	1	3119	1	5168	1	7217	0	9266	1	11315	1
1071	1	3120	1	5169	1	7218	1	9267	1	11316	1
1072	1	3121	0	5170	0	7219	1	9268	0	11317	1
1073	0	3122	1	5171	0	7220	1	9269	0	11318	0
1074	1	3123	1	5172	1	7221	0	9270	0	11319	1
1075	0	3124	0	5173	1	7222	1	9271	1	11320	0
1076	1	3125	0	5174	1	7223	1	9272	0	11321	1
1077	1	3126	0	5175	0	7224	0	9273	0	11322	1
1078	0	3127	1	5176	1	7225	0	9274	1	11323	1
1079	1	3128	1	5177	1	7226	0	9275	0	11324	0
1080	1	3129	1	5178	1	7227	1	9276	0	11325	1
1081	0	3130	1	5179	1	7228	1	9277	1	11326	0
1082	1	3131	1	5180	1	7229	1	9278	1	11327	0
1083	1	3132	0	5181	1	7230	0	9279	1	11328	1
1084	1	3133	0	5182	0	7231	0	9280	0	11329	0
1085	0	3134	1	5183	1	7232	0	9281	1	11330	0
1086	0	3135	1	5184	0	7233	0	9282	0	11331	1
1087	1	3136	1	5185	0	7234	0	9283	0	11332	0
1088	1	3137	1	5186	0	7235	1	9284	1	11333	0
1089	1	3138	1	5187	0	7236	1	9285	1	11334	0
1090	1	3139	0	5188	0	7237	1	9286	1	11335	0
1091	1	3140	0	5189	1	7238	0	9287	0	11336	1
1092	1	3141	0	5190	1	7239	0	9288	1	11337	0
1093	0	3142	1	5191	1	7240	0	9289	0	11338	1

1094	1	3143	1	5192	1	7241	0	9290	1	11339	1
1095	0	3144	0	5193	1	7242	0	9291	1	11340	0
1096	0	3145	1	5194	1	7243	0	9292	1	11341	0
1097	0	3146	1	5195	0	7244	0	9293	1	11342	1
1098	0	3147	1	5196	0	7245	0	9294	1	11343	0
1099	1	3148	0	5197	1	7246	1	9295	1	11344	0
1100	1	3149	0	5198	0	7247	1	9296	0	11345	0
1101	0	3150	1	5199	0	7248	0	9297	1	11346	0
1102	0	3151	0	5200	0	7249	1	9298	0	11347	0
1103	1	3152	0	5201	0	7250	0	9299	1	11348	0
1104	0	3153	0	5202	0	7251	0	9300	1	11349	0
1105	1	3154	0	5203	0	7252	0	9301	1	11350	0
1106	0	3155	1	5204	0	7253	0	9302	0	11351	0
1107	1	3156	1	5205	1	7254	0	9303	1	11352	0
1108	0	3157	1	5206	1	7255	1	9304	0	11353	1
1109	1	3158	0	5207	1	7256	0	9305	1	11354	1
1110	1	3159	1	5208	0	7257	0	9306	0	11355	1
1111	0	3160	1	5209	1	7258	1	9307	0	11356	1
1112	0	3161	1	5210	1	7259	0	9308	0	11357	0
1113	0	3162	0	5211	0	7260	1	9309	1	11358	1
1114	0	3163	1	5212	1	7261	1	9310	1	11359	0
1115	0	3164	1	5213	0	7262	1	9311	0	11360	0
1116	0	3165	0	5214	0	7263	1	9312	1	11361	0
1117	1	3166	0	5215	1	7264	0	9313	1	11362	0
1118	1	3167	0	5216	1	7265	0	9314	0	11363	1
1119	1	3168	1	5217	1	7266	0	9315	0	11364	0
1120	0	3169	1	5218	0	7267	1	9316	0	11365	0
1121	1	3170	0	5219	0	7268	0	9317	0	11366	0
1122	0	3171	0	5220	0	7269	0	9318	0	11367	1
1123	1	3172	0	5221	0	7270	0	9319	0	11368	0
1124	1	3173	0	5222	1	7271	1	9320	1	11369	1
1125	1	3174	0	5223	1	7272	1	9321	1	11370	0
1126	1	3175	0	5224	1	7273	0	9322	0	11371	0
1127	1	3176	1	5225	0	7274	0	9323	0	11372	1
1128	0	3177	0	5226	1	7275	1	9324	0	11373	1
1129	0	3178	0	5227	0	7276	0	9325	0	11374	0
1130	0	3179	1	5228	0	7277	0	9326	0	11375	0
1131	1	3180	1	5229	0	7278	1	9327	1	11376	1
1132	1	3181	0	5230	0	7279	0	9328	0	11377	1
1133	0	3182	1	5231	1	7280	1	9329	1	11378	0
1134	0	3183	1	5232	1	7281	0	9330	1	11379	1
1135	1	3184	0	5233	0	7282	1	9331	0	11380	1
1136	1	3185	0	5234	0	7283	0	9332	1	11381	0
1137	0	3186	1	5235	0	7284	1	9333	0	11382	1

1138	0	3187	0	5236	0	7285	1	9334	0	11383	1
1139	0	3188	0	5237	1	7286	1	9335	1	11384	1
1140	1	3189	1	5238	0	7287	0	9336	0	11385	1
1141	0	3190	0	5239	0	7288	0	9337	1	11386	0
1142	1	3191	1	5240	1	7289	0	9338	1	11387	0
1143	1	3192	0	5241	0	7290	1	9339	1	11388	1
1144	1	3193	0	5242	0	7291	1	9340	0	11389	0
1145	1	3194	0	5243	1	7292	0	9341	1	11390	1
1146	1	3195	0	5244	1	7293	1	9342	0	11391	1
1147	1	3196	1	5245	1	7294	0	9343	1	11392	1
1148	1	3197	1	5246	1	7295	1	9344	0	11393	1
1149	0	3198	1	5247	1	7296	0	9345	0	11394	0
1150	1	3199	0	5248	0	7297	1	9346	1	11395	0
1151	1	3200	0	5249	0	7298	1	9347	1	11396	1
1152	1	3201	1	5250	0	7299	1	9348	1	11397	1
1153	0	3202	1	5251	0	7300	0	9349	0	11398	0
1154	0	3203	0	5252	0	7301	1	9350	0	11399	0
1155	1	3204	1	5253	1	7302	1	9351	1	11400	0
1156	0	3205	1	5254	0	7303	1	9352	0	11401	1
1157	0	3206	1	5255	1	7304	1	9353	1	11402	0
1158	0	3207	1	5256	0	7305	0	9354	1	11403	1
1159	1	3208	0	5257	0	7306	0	9355	1	11404	1
1160	1	3209	1	5258	1	7307	1	9356	1	11405	1
1161	1	3210	1	5259	1	7308	1	9357	0	11406	1
1162	0	3211	1	5260	0	7309	1	9358	1	11407	1
1163	0	3212	1	5261	1	7310	1	9359	0	11408	1
1164	1	3213	0	5262	0	7311	0	9360	1	11409	0
1165	1	3214	0	5263	0	7312	1	9361	1	11410	0
1166	0	3215	1	5264	1	7313	1	9362	1	11411	1
1167	1	3216	0	5265	1	7314	1	9363	0	11412	1
1168	0	3217	1	5266	0	7315	1	9364	0	11413	1
1169	1	3218	1	5267	0	7316	0	9365	1	11414	1
1170	1	3219	1	5268	0	7317	0	9366	0	11415	1
1171	0	3220	1	5269	1	7318	1	9367	1	11416	0
1172	0	3221	0	5270	0	7319	1	9368	0	11417	0
1173	1	3222	0	5271	1	7320	0	9369	0	11418	1
1174	1	3223	1	5272	1	7321	1	9370	1	11419	0
1175	0	3224	1	5273	0	7322	1	9371	0	11420	0
1176	1	3225	1	5274	1	7323	0	9372	1	11421	0
1177	1	3226	1	5275	0	7324	0	9373	0	11422	0
1178	0	3227	0	5276	0	7325	0	9374	0	11423	1
1179	0	3228	1	5277	1	7326	1	9375	1	11424	0
1180	1	3229	0	5278	0	7327	1	9376	0	11425	0
1181	1	3230	0	5279	1	7328	1	9377	1	11426	1

1182	0	3231	0	5280	0	7329	1	9378	0	11427	0
1183	1	3232	0	5281	0	7330	0	9379	0	11428	0
1184	0	3233	1	5282	1	7331	0	9380	0	11429	0
1185	1	3234	1	5283	1	7332	0	9381	0	11430	1
1186	0	3235	1	5284	1	7333	0	9382	0	11431	0
1187	0	3236	1	5285	1	7334	0	9383	1	11432	1
1188	1	3237	0	5286	1	7335	0	9384	1	11433	1
1189	0	3238	0	5287	1	7336	1	9385	0	11434	1
1190	0	3239	1	5288	1	7337	1	9386	1	11435	1
1191	1	3240	0	5289	1	7338	0	9387	1	11436	0
1192	0	3241	1	5290	1	7339	1	9388	0	11437	1
1193	1	3242	1	5291	1	7340	1	9389	0	11438	0
1194	0	3243	1	5292	1	7341	0	9390	0	11439	1
1195	0	3244	1	5293	0	7342	0	9391	1	11440	0
1196	1	3245	1	5294	1	7343	1	9392	0	11441	0
1197	1	3246	1	5295	0	7344	0	9393	1	11442	0
1198	0	3247	0	5296	1	7345	1	9394	0	11443	0
1199	1	3248	0	5297	0	7346	0	9395	1	11444	0
1200	0	3249	1	5298	1	7347	0	9396	1	11445	0
1201	1	3250	1	5299	0	7348	1	9397	1	11446	0
1202	1	3251	1	5300	0	7349	0	9398	0	11447	1
1203	1	3252	1	5301	1	7350	1	9399	0	11448	0
1204	0	3253	0	5302	1	7351	1	9400	0	11449	0
1205	0	3254	0	5303	1	7352	0	9401	1	11450	0
1206	0	3255	0	5304	0	7353	1	9402	1	11451	1
1207	1	3256	1	5305	1	7354	1	9403	0	11452	1
1208	0	3257	0	5306	1	7355	0	9404	0	11453	0
1209	0	3258	1	5307	1	7356	0	9405	0	11454	0
1210	0	3259	0	5308	0	7357	0	9406	0	11455	1
1211	1	3260	1	5309	0	7358	1	9407	1	11456	1
1212	1	3261	1	5310	0	7359	1	9408	1	11457	0
1213	0	3262	1	5311	1	7360	0	9409	1	11458	0
1214	1	3263	1	5312	1	7361	0	9410	0	11459	0
1215	0	3264	1	5313	1	7362	0	9411	1	11460	1
1216	0	3265	1	5314	0	7363	1	9412	1	11461	0
1217	1	3266	0	5315	0	7364	0	9413	1	11462	0
1218	0	3267	0	5316	0	7365	1	9414	0	11463	0
1219	0	3268	1	5317	0	7366	1	9415	1	11464	0
1220	0	3269	1	5318	0	7367	1	9416	0	11465	1
1221	0	3270	1	5319	1	7368	1	9417	0	11466	1
1222	1	3271	1	5320	1	7369	1	9418	1	11467	1
1223	1	3272	0	5321	0	7370	0	9419	0	11468	1
1224	1	3273	1	5322	0	7371	1	9420	1	11469	0
1225	0	3274	0	5323	1	7372	0	9421	0	11470	0

1226	1	3275	0	5324	0	7373	0	9422	1	11471	0
1227	1	3276	0	5325	0	7374	0	9423	1	11472	0
1228	0	3277	0	5326	1	7375	0	9424	0	11473	0
1229	1	3278	0	5327	0	7376	0	9425	0	11474	0
1230	1	3279	0	5328	0	7377	0	9426	1	11475	1
1231	1	3280	1	5329	1	7378	1	9427	1	11476	0
1232	1	3281	1	5330	1	7379	0	9428	1	11477	0
1233	1	3282	1	5331	1	7380	0	9429	0	11478	1
1234	1	3283	0	5332	1	7381	1	9430	0	11479	0
1235	0	3284	0	5333	0	7382	1	9431	0	11480	1
1236	1	3285	1	5334	0	7383	0	9432	1	11481	1
1237	0	3286	0	5335	0	7384	0	9433	1	11482	1
1238	1	3287	0	5336	0	7385	1	9434	0	11483	1
1239	0	3288	1	5337	1	7386	0	9435	0	11484	0
1240	0	3289	1	5338	0	7387	1	9436	1	11485	1
1241	1	3290	1	5339	0	7388	0	9437	0	11486	0
1242	1	3291	0	5340	1	7389	1	9438	0	11487	0
1243	0	3292	0	5341	0	7390	0	9439	1	11488	0
1244	0	3293	1	5342	1	7391	1	9440	0	11489	0
1245	1	3294	1	5343	0	7392	1	9441	1	11490	0
1246	0	3295	1	5344	0	7393	1	9442	1	11491	1
1247	0	3296	0	5345	1	7394	1	9443	0	11492	0
1248	1	3297	0	5346	1	7395	0	9444	0	11493	1
1249	1	3298	1	5347	1	7396	1	9445	0	11494	0
1250	1	3299	1	5348	0	7397	0	9446	0	11495	1
1251	1	3300	0	5349	0	7398	0	9447	1	11496	1
1252	1	3301	0	5350	1	7399	1	9448	1	11497	0
1253	1	3302	0	5351	0	7400	1	9449	1	11498	0
1254	1	3303	1	5352	0	7401	0	9450	1	11499	0
1255	1	3304	1	5353	0	7402	0	9451	1	11500	0
1256	1	3305	0	5354	1	7403	1	9452	1	11501	0
1257	1	3306	0	5355	1	7404	1	9453	0	11502	1
1258	0	3307	1	5356	0	7405	0	9454	0	11503	1
1259	0	3308	1	5357	0	7406	0	9455	0	11504	1
1260	0	3309	1	5358	0	7407	0	9456	0	11505	0
1261	1	3310	0	5359	1	7408	0	9457	1	11506	1
1262	0	3311	1	5360	1	7409	1	9458	0	11507	0
1263	1	3312	0	5361	0	7410	1	9459	0	11508	1
1264	1	3313	0	5362	0	7411	0	9460	0	11509	0
1265	0	3314	0	5363	0	7412	0	9461	1	11510	0
1266	0	3315	1	5364	0	7413	1	9462	1	11511	0
1267	0	3316	0	5365	1	7414	1	9463	1	11512	0
1268	0	3317	1	5366	1	7415	0	9464	0	11513	1
1269	1	3318	1	5367	1	7416	0	9465	0	11514	0

1270	1	3319	0	5368	1	7417	0	9466	0	11515	1
1271	1	3320	1	5369	1	7418	0	9467	0	11516	1
1272	0	3321	1	5370	0	7419	1	9468	1	11517	0
1273	0	3322	0	5371	0	7420	1	9469	0	11518	0
1274	0	3323	1	5372	1	7421	0	9470	0	11519	1
1275	1	3324	1	5373	0	7422	1	9471	0	11520	0
1276	0	3325	0	5374	0	7423	1	9472	0	11521	0
1277	1	3326	0	5375	0	7424	0	9473	1	11522	1
1278	1	3327	0	5376	0	7425	1	9474	0	11523	0
1279	0	3328	0	5377	0	7426	1	9475	0	11524	0
1280	0	3329	0	5378	0	7427	0	9476	1	11525	1
1281	1	3330	0	5379	1	7428	1	9477	1	11526	1
1282	0	3331	1	5380	1	7429	0	9478	1	11527	1
1283	1	3332	1	5381	1	7430	1	9479	1	11528	0
1284	0	3333	1	5382	0	7431	1	9480	0	11529	0
1285	0	3334	0	5383	0	7432	0	9481	0	11530	0
1286	0	3335	1	5384	1	7433	1	9482	1	11531	0
1287	1	3336	0	5385	1	7434	1	9483	0	11532	1
1288	1	3337	0	5386	0	7435	1	9484	0	11533	1
1289	0	3338	0	5387	0	7436	1	9485	1	11534	0
1290	0	3339	0	5388	1	7437	0	9486	1	11535	0
1291	0	3340	0	5389	0	7438	1	9487	1	11536	0
1292	1	3341	0	5390	0	7439	0	9488	0	11537	1
1293	1	3342	1	5391	0	7440	1	9489	1	11538	0
1294	1	3343	1	5392	0	7441	1	9490	1	11539	0
1295	0	3344	0	5393	1	7442	1	9491	0	11540	1
1296	0	3345	1	5394	1	7443	0	9492	1	11541	0
1297	0	3346	0	5395	1	7444	0	9493	0	11542	1
1298	1	3347	1	5396	1	7445	0	9494	0	11543	1
1299	0	3348	1	5397	0	7446	0	9495	1	11544	1
1300	1	3349	1	5398	1	7447	0	9496	0	11545	1
1301	0	3350	1	5399	1	7448	0	9497	0	11546	0
1302	1	3351	0	5400	0	7449	1	9498	0	11547	1
1303	1	3352	1	5401	1	7450	0	9499	1	11548	1
1304	1	3353	1	5402	1	7451	1	9500	0	11549	1
1305	1	3354	1	5403	0	7452	0	9501	1	11550	1
1306	1	3355	1	5404	1	7453	0	9502	1	11551	0
1307	0	3356	1	5405	1	7454	1	9503	1	11552	1
1308	1	3357	0	5406	1	7455	1	9504	0	11553	1
1309	1	3358	1	5407	1	7456	0	9505	0	11554	0
1310	0	3359	1	5408	1	7457	0	9506	0	11555	0
1311	0	3360	0	5409	1	7458	0	9507	0	11556	1
1312	1	3361	1	5410	0	7459	0	9508	1	11557	1
1313	1	3362	1	5411	0	7460	0	9509	0	11558	1

1314	0	3363	1	5412	1	7461	1	9510	1	11559	1
1315	0	3364	0	5413	0	7462	1	9511	0	11560	1
1316	0	3365	0	5414	1	7463	1	9512	0	11561	1
1317	0	3366	1	5415	0	7464	0	9513	0	11562	0
1318	1	3367	0	5416	0	7465	1	9514	0	11563	1
1319	0	3368	0	5417	0	7466	0	9515	0	11564	0
1320	0	3369	0	5418	1	7467	0	9516	0	11565	0
1321	1	3370	0	5419	1	7468	0	9517	0	11566	0
1322	1	3371	0	5420	0	7469	1	9518	1	11567	1
1323	0	3372	0	5421	1	7470	0	9519	0	11568	0
1324	0	3373	1	5422	0	7471	1	9520	1	11569	0
1325	1	3374	0	5423	0	7472	0	9521	0	11570	1
1326	1	3375	0	5424	1	7473	1	9522	0	11571	1
1327	0	3376	1	5425	1	7474	0	9523	0	11572	0
1328	1	3377	0	5426	0	7475	0	9524	0	11573	1
1329	0	3378	1	5427	1	7476	0	9525	0	11574	0
1330	1	3379	0	5428	0	7477	0	9526	0	11575	1
1331	1	3380	1	5429	0	7478	1	9527	1	11576	0
1332	1	3381	1	5430	0	7479	1	9528	1	11577	0
1333	1	3382	0	5431	1	7480	0	9529	0	11578	1
1334	1	3383	1	5432	0	7481	1	9530	0	11579	0
1335	1	3384	0	5433	1	7482	0	9531	1	11580	0
1336	0	3385	0	5434	1	7483	0	9532	1	11581	1
1337	1	3386	1	5435	0	7484	1	9533	1	11582	0
1338	0	3387	0	5436	0	7485	1	9534	0	11583	1
1339	0	3388	0	5437	0	7486	0	9535	0	11584	0
1340	0	3389	0	5438	1	7487	0	9536	1	11585	0
1341	1	3390	1	5439	0	7488	0	9537	1	11586	0
1342	0	3391	1	5440	1	7489	1	9538	1	11587	1
1343	1	3392	1	5441	1	7490	1	9539	1	11588	1
1344	1	3393	0	5442	1	7491	0	9540	1	11589	1
1345	0	3394	1	5443	1	7492	1	9541	0	11590	0
1346	1	3395	0	5444	0	7493	1	9542	1	11591	0
1347	0	3396	0	5445	0	7494	1	9543	1	11592	0
1348	1	3397	1	5446	1	7495	0	9544	0	11593	0
1349	1	3398	1	5447	1	7496	1	9545	1	11594	1
1350	1	3399	0	5448	1	7497	0	9546	0	11595	1
1351	0	3400	0	5449	1	7498	0	9547	0	11596	0
1352	0	3401	1	5450	0	7499	0	9548	1	11597	1
1353	1	3402	1	5451	1	7500	0	9549	1	11598	0
1354	0	3403	0	5452	0	7501	0	9550	0	11599	1
1355	0	3404	0	5453	1	7502	1	9551	1	11600	0
1356	0	3405	0	5454	0	7503	0	9552	1	11601	1
1357	1	3406	1	5455	1	7504	0	9553	0	11602	1

1358	0	3407	1	5456	1	7505	1	9554	1	11603	1
1359	1	3408	1	5457	0	7506	1	9555	0	11604	0
1360	1	3409	1	5458	0	7507	1	9556	0	11605	0
1361	0	3410	0	5459	1	7508	1	9557	0	11606	0
1362	0	3411	1	5460	0	7509	0	9558	1	11607	1
1363	0	3412	0	5461	1	7510	0	9559	1	11608	0
1364	1	3413	0	5462	0	7511	0	9560	0	11609	0
1365	1	3414	0	5463	0	7512	1	9561	0	11610	0
1366	0	3415	0	5464	1	7513	1	9562	1	11611	0
1367	0	3416	1	5465	0	7514	1	9563	1	11612	1
1368	1	3417	1	5466	1	7515	1	9564	1	11613	1
1369	1	3418	1	5467	1	7516	1	9565	0	11614	1
1370	1	3419	0	5468	1	7517	1	9566	1	11615	0
1371	1	3420	1	5469	0	7518	0	9567	1	11616	0
1372	0	3421	0	5470	0	7519	0	9568	0	11617	1
1373	0	3422	1	5471	0	7520	0	9569	0	11618	1
1374	0	3423	1	5472	0	7521	1	9570	0	11619	1
1375	1	3424	0	5473	0	7522	0	9571	1	11620	1
1376	0	3425	0	5474	0	7523	0	9572	0	11621	0
1377	1	3426	0	5475	1	7524	1	9573	1	11622	1
1378	1	3427	0	5476	1	7525	1	9574	0	11623	1
1379	0	3428	1	5477	0	7526	1	9575	0	11624	0
1380	0	3429	1	5478	0	7527	0	9576	0	11625	1
1381	1	3430	0	5479	1	7528	0	9577	1	11626	0
1382	0	3431	1	5480	1	7529	0	9578	1	11627	1
1383	1	3432	0	5481	1	7530	1	9579	1	11628	1
1384	0	3433	0	5482	1	7531	1	9580	0	11629	0
1385	0	3434	1	5483	1	7532	1	9581	1	11630	0
1386	0	3435	1	5484	0	7533	0	9582	0	11631	1
1387	1	3436	1	5485	0	7534	0	9583	0	11632	1
1388	1	3437	1	5486	0	7535	0	9584	0	11633	1
1389	0	3438	0	5487	1	7536	0	9585	1	11634	0
1390	0	3439	1	5488	1	7537	0	9586	0	11635	0
1391	1	3440	0	5489	1	7538	0	9587	0	11636	1
1392	1	3441	1	5490	1	7539	0	9588	0	11637	0
1393	1	3442	1	5491	0	7540	1	9589	1	11638	0
1394	0	3443	1	5492	1	7541	1	9590	0	11639	1
1395	1	3444	0	5493	1	7542	0	9591	1	11640	0
1396	1	3445	1	5494	0	7543	0	9592	0	11641	1
1397	0	3446	0	5495	0	7544	0	9593	0	11642	1
1398	1	3447	1	5496	1	7545	1	9594	0	11643	0
1399	1	3448	1	5497	1	7546	1	9595	0	11644	1
1400	0	3449	0	5498	0	7547	0	9596	0	11645	0
1401	0	3450	0	5499	0	7548	0	9597	0	11646	1

1402	1	3451	0	5500	1	7549	0	9598	0	11647	1
1403	1	3452	1	5501	1	7550	1	9599	0	11648	1
1404	1	3453	0	5502	1	7551	1	9600	0	11649	0
1405	1	3454	1	5503	1	7552	0	9601	0	11650	1
1406	0	3455	1	5504	1	7553	1	9602	0	11651	0
1407	0	3456	0	5505	0	7554	0	9603	0	11652	0
1408	1	3457	0	5506	0	7555	1	9604	0	11653	1
1409	1	3458	0	5507	0	7556	1	9605	0	11654	0
1410	0	3459	0	5508	1	7557	0	9606	1	11655	0
1411	0	3460	0	5509	1	7558	1	9607	0	11656	0
1412	1	3461	1	5510	1	7559	0	9608	1	11657	0
1413	1	3462	0	5511	0	7560	0	9609	1	11658	1
1414	1	3463	1	5512	0	7561	1	9610	0	11659	0
1415	0	3464	0	5513	0	7562	1	9611	0	11660	0
1416	0	3465	0	5514	1	7563	0	9612	0	11661	0
1417	1	3466	1	5515	1	7564	1	9613	0	11662	0
1418	0	3467	1	5516	0	7565	0	9614	0	11663	0
1419	1	3468	1	5517	1	7566	1	9615	0	11664	1
1420	0	3469	0	5518	1	7567	0	9616	1	11665	1
1421	0	3470	0	5519	0	7568	0	9617	0	11666	1
1422	1	3471	1	5520	0	7569	0	9618	0	11667	1
1423	1	3472	1	5521	0	7570	0	9619	1	11668	1
1424	0	3473	1	5522	0	7571	1	9620	1	11669	1
1425	1	3474	0	5523	1	7572	0	9621	0	11670	1
1426	0	3475	0	5524	0	7573	1	9622	1	11671	1
1427	1	3476	0	5525	1	7574	0	9623	0	11672	1
1428	1	3477	1	5526	0	7575	1	9624	0	11673	0
1429	1	3478	1	5527	1	7576	1	9625	1	11674	0
1430	1	3479	0	5528	0	7577	0	9626	1	11675	0
1431	1	3480	0	5529	1	7578	1	9627	0	11676	1
1432	1	3481	1	5530	0	7579	1	9628	1	11677	0
1433	0	3482	0	5531	0	7580	0	9629	0	11678	0
1434	1	3483	0	5532	0	7581	0	9630	0	11679	1
1435	0	3484	0	5533	1	7582	1	9631	1	11680	0
1436	1	3485	1	5534	0	7583	1	9632	1	11681	1
1437	0	3486	1	5535	0	7584	1	9633	1	11682	1
1438	0	3487	0	5536	1	7585	0	9634	0	11683	1
1439	1	3488	0	5537	0	7586	1	9635	0	11684	0
1440	1	3489	0	5538	1	7587	1	9636	1	11685	1
1441	1	3490	0	5539	1	7588	1	9637	0	11686	1
1442	1	3491	0	5540	0	7589	0	9638	1	11687	1
1443	0	3492	1	5541	1	7590	1	9639	1	11688	1
1444	1	3493	0	5542	1	7591	0	9640	1	11689	0
1445	1	3494	1	5543	0	7592	1	9641	1	11690	1

1446	0	3495	1	5544	0	7593	1	9642	1	11691	0
1447	1	3496	1	5545	1	7594	1	9643	0	11692	1
1448	0	3497	0	5546	1	7595	0	9644	1	11693	1
1449	0	3498	0	5547	0	7596	0	9645	0	11694	1
1450	0	3499	0	5548	1	7597	0	9646	1	11695	0
1451	0	3500	1	5549	0	7598	0	9647	0	11696	0
1452	0	3501	1	5550	0	7599	1	9648	0	11697	0
1453	0	3502	1	5551	1	7600	1	9649	1	11698	0
1454	0	3503	0	5552	1	7601	0	9650	0	11699	0
1455	0	3504	1	5553	0	7602	1	9651	0	11700	1
1456	1	3505	1	5554	1	7603	0	9652	1	11701	0
1457	0	3506	0	5555	1	7604	1	9653	0	11702	1
1458	1	3507	0	5556	1	7605	1	9654	0	11703	0
1459	0	3508	1	5557	0	7606	1	9655	0	11704	1
1460	1	3509	1	5558	0	7607	0	9656	1	11705	1
1461	0	3510	1	5559	1	7608	0	9657	1	11706	1
1462	0	3511	1	5560	1	7609	0	9658	1	11707	1
1463	1	3512	0	5561	1	7610	0	9659	0	11708	1
1464	0	3513	0	5562	1	7611	0	9660	1	11709	1
1465	0	3514	1	5563	1	7612	0	9661	0	11710	0
1466	0	3515	1	5564	0	7613	1	9662	0	11711	0
1467	1	3516	0	5565	1	7614	0	9663	1	11712	0
1468	0	3517	1	5566	0	7615	0	9664	1	11713	1
1469	1	3518	1	5567	0	7616	1	9665	0	11714	1
1470	0	3519	0	5568	0	7617	1	9666	1	11715	0
1471	0	3520	0	5569	0	7618	0	9667	1	11716	0
1472	0	3521	0	5570	0	7619	0	9668	0	11717	0
1473	1	3522	1	5571	1	7620	0	9669	0	11718	0
1474	0	3523	1	5572	1	7621	0	9670	0	11719	1
1475	0	3524	0	5573	0	7622	1	9671	0	11720	0
1476	0	3525	0	5574	0	7623	1	9672	0	11721	0
1477	0	3526	1	5575	1	7624	0	9673	1	11722	1
1478	0	3527	0	5576	1	7625	0	9674	1	11723	1
1479	1	3528	0	5577	1	7626	0	9675	1	11724	1
1480	0	3529	1	5578	1	7627	0	9676	0	11725	1
1481	0	3530	1	5579	1	7628	0	9677	1	11726	0
1482	0	3531	0	5580	1	7629	0	9678	1	11727	1
1483	1	3532	0	5581	0	7630	1	9679	1	11728	0
1484	0	3533	1	5582	1	7631	1	9680	1	11729	1
1485	0	3534	0	5583	1	7632	0	9681	1	11730	0
1486	0	3535	1	5584	0	7633	1	9682	0	11731	0
1487	1	3536	0	5585	1	7634	0	9683	0	11732	0
1488	1	3537	1	5586	0	7635	1	9684	0	11733	1
1489	1	3538	1	5587	0	7636	1	9685	1	11734	1

1490	0	3539	0	5588	0	7637	0	9686	1	11735	1
1491	1	3540	0	5589	1	7638	0	9687	1	11736	0
1492	1	3541	0	5590	0	7639	0	9688	0	11737	1
1493	0	3542	1	5591	0	7640	1	9689	1	11738	0
1494	1	3543	0	5592	0	7641	1	9690	0	11739	1
1495	1	3544	1	5593	0	7642	1	9691	1	11740	0
1496	1	3545	0	5594	0	7643	0	9692	0	11741	1
1497	1	3546	1	5595	1	7644	1	9693	1	11742	0
1498	1	3547	0	5596	0	7645	1	9694	1	11743	1
1499	1	3548	0	5597	1	7646	1	9695	0	11744	1
1500	0	3549	1	5598	1	7647	0	9696	1	11745	0
1501	1	3550	1	5599	1	7648	0	9697	0	11746	1
1502	1	3551	1	5600	1	7649	0	9698	0	11747	0
1503	0	3552	1	5601	0	7650	1	9699	0	11748	1
1504	0	3553	1	5602	0	7651	1	9700	0	11749	1
1505	1	3554	0	5603	1	7652	0	9701	0	11750	0
1506	1	3555	1	5604	1	7653	0	9702	0	11751	0
1507	1	3556	1	5605	0	7654	0	9703	1	11752	0
1508	1	3557	0	5606	1	7655	1	9704	0	11753	0
1509	0	3558	1	5607	0	7656	0	9705	1	11754	1
1510	0	3559	1	5608	1	7657	0	9706	0	11755	1
1511	1	3560	1	5609	0	7658	1	9707	1	11756	1
1512	0	3561	0	5610	0	7659	1	9708	0	11757	0
1513	0	3562	1	5611	1	7660	1	9709	0	11758	1
1514	0	3563	0	5612	1	7661	1	9710	1	11759	0
1515	0	3564	1	5613	0	7662	0	9711	0	11760	0
1516	0	3565	0	5614	0	7663	1	9712	0	11761	1
1517	0	3566	1	5615	1	7664	0	9713	1	11762	0
1518	1	3567	0	5616	1	7665	0	9714	0	11763	1
1519	1	3568	0	5617	0	7666	1	9715	0	11764	0
1520	1	3569	1	5618	1	7667	0	9716	1	11765	1
1521	1	3570	1	5619	0	7668	0	9717	0	11766	0
1522	0	3571	0	5620	1	7669	0	9718	0	11767	1
1523	1	3572	1	5621	1	7670	1	9719	0	11768	0
1524	0	3573	0	5622	1	7671	0	9720	1	11769	0
1525	1	3574	1	5623	1	7672	1	9721	0	11770	0
1526	1	3575	1	5624	1	7673	0	9722	0	11771	1
1527	1	3576	0	5625	0	7674	1	9723	0	11772	1
1528	1	3577	1	5626	0	7675	1	9724	1	11773	1
1529	0	3578	0	5627	1	7676	0	9725	1	11774	0
1530	1	3579	0	5628	1	7677	1	9726	1	11775	1
1531	0	3580	0	5629	1	7678	0	9727	0	11776	0
1532	0	3581	1	5630	0	7679	0	9728	1	11777	1
1533	0	3582	0	5631	0	7680	1	9729	0	11778	1

1534	0	3583	0	5632	1	7681	0	9730	0	11779	1
1535	0	3584	1	5633	0	7682	1	9731	0	11780	0
1536	1	3585	0	5634	0	7683	0	9732	0	11781	1
1537	0	3586	1	5635	1	7684	1	9733	1	11782	0
1538	0	3587	1	5636	0	7685	0	9734	1	11783	0
1539	0	3588	1	5637	1	7686	0	9735	0	11784	0
1540	1	3589	1	5638	1	7687	1	9736	1	11785	1
1541	0	3590	1	5639	1	7688	0	9737	0	11786	1
1542	0	3591	0	5640	1	7689	1	9738	1	11787	1
1543	1	3592	1	5641	1	7690	0	9739	0	11788	1
1544	0	3593	0	5642	1	7691	0	9740	0	11789	0
1545	1	3594	1	5643	0	7692	1	9741	0	11790	1
1546	1	3595	1	5644	0	7693	0	9742	0	11791	1
1547	0	3596	0	5645	0	7694	0	9743	0	11792	1
1548	1	3597	1	5646	1	7695	0	9744	1	11793	0
1549	1	3598	1	5647	1	7696	0	9745	0	11794	0
1550	1	3599	0	5648	0	7697	0	9746	0	11795	0
1551	0	3600	1	5649	1	7698	1	9747	1	11796	1
1552	1	3601	0	5650	0	7699	1	9748	0	11797	0
1553	0	3602	0	5651	1	7700	0	9749	0	11798	1
1554	1	3603	1	5652	0	7701	1	9750	1	11799	1
1555	1	3604	0	5653	0	7702	0	9751	0	11800	1
1556	1	3605	1	5654	0	7703	0	9752	1	11801	0
1557	0	3606	1	5655	1	7704	0	9753	1	11802	1
1558	0	3607	1	5656	1	7705	0	9754	0	11803	0
1559	0	3608	1	5657	1	7706	0	9755	1	11804	1
1560	0	3609	0	5658	0	7707	0	9756	1	11805	0
1561	1	3610	1	5659	1	7708	0	9757	0	11806	1
1562	0	3611	1	5660	0	7709	0	9758	0	11807	0
1563	1	3612	1	5661	1	7710	0	9759	0	11808	1
1564	1	3613	1	5662	0	7711	1	9760	1	11809	0
1565	1	3614	1	5663	0	7712	0	9761	0	11810	0
1566	0	3615	0	5664	1	7713	0	9762	1	11811	1
1567	1	3616	1	5665	0	7714	0	9763	0	11812	0
1568	0	3617	1	5666	0	7715	0	9764	0	11813	1
1569	0	3618	1	5667	1	7716	0	9765	0	11814	0
1570	0	3619	1	5668	0	7717	0	9766	0	11815	0
1571	0	3620	0	5669	0	7718	1	9767	0	11816	0
1572	0	3621	0	5670	0	7719	0	9768	0	11817	0
1573	1	3622	0	5671	1	7720	1	9769	0	11818	0
1574	1	3623	0	5672	1	7721	1	9770	1	11819	0
1575	1	3624	1	5673	0	7722	1	9771	0	11820	1
1576	1	3625	0	5674	0	7723	0	9772	0	11821	1
1577	0	3626	1	5675	1	7724	0	9773	1	11822	1

1578	0	3627	1	5676	0	7725	0	9774	1	11823	1
1579	0	3628	0	5677	1	7726	1	9775	1	11824	0
1580	0	3629	0	5678	0	7727	0	9776	1	11825	0
1581	1	3630	0	5679	0	7728	1	9777	0	11826	0
1582	0	3631	0	5680	0	7729	1	9778	0	11827	1
1583	0	3632	1	5681	0	7730	0	9779	0	11828	1
1584	0	3633	1	5682	0	7731	0	9780	0	11829	0
1585	0	3634	0	5683	0	7732	1	9781	0	11830	0
1586	0	3635	0	5684	0	7733	0	9782	0	11831	1
1587	0	3636	0	5685	0	7734	1	9783	0	11832	0
1588	1	3637	0	5686	1	7735	0	9784	0	11833	0
1589	1	3638	0	5687	0	7736	1	9785	1	11834	0
1590	1	3639	0	5688	1	7737	1	9786	0	11835	0
1591	0	3640	0	5689	1	7738	1	9787	1	11836	1
1592	1	3641	1	5690	0	7739	0	9788	0	11837	0
1593	1	3642	0	5691	0	7740	1	9789	0	11838	0
1594	0	3643	1	5692	0	7741	1	9790	0	11839	0
1595	1	3644	0	5693	0	7742	0	9791	1	11840	1
1596	0	3645	1	5694	1	7743	0	9792	1	11841	1
1597	1	3646	0	5695	0	7744	1	9793	1	11842	0
1598	1	3647	0	5696	1	7745	0	9794	1	11843	1
1599	1	3648	0	5697	1	7746	0	9795	1	11844	1
1600	0	3649	1	5698	1	7747	0	9796	0	11845	1
1601	0	3650	0	5699	1	7748	0	9797	1	11846	1
1602	0	3651	1	5700	0	7749	1	9798	1	11847	1
1603	1	3652	1	5701	0	7750	0	9799	0	11848	0
1604	1	3653	0	5702	0	7751	0	9800	1	11849	0
1605	1	3654	0	5703	0	7752	0	9801	1	11850	1
1606	1	3655	0	5704	1	7753	1	9802	1	11851	1
1607	0	3656	1	5705	1	7754	0	9803	0	11852	0
1608	0	3657	0	5706	1	7755	0	9804	0	11853	1
1609	0	3658	1	5707	0	7756	1	9805	1	11854	1
1610	0	3659	0	5708	1	7757	1	9806	1	11855	1
1611	0	3660	1	5709	1	7758	0	9807	0	11856	0
1612	0	3661	1	5710	0	7759	0	9808	1	11857	1
1613	1	3662	1	5711	1	7760	1	9809	0	11858	0
1614	0	3663	1	5712	0	7761	1	9810	1	11859	0
1615	0	3664	0	5713	1	7762	1	9811	1	11860	1
1616	0	3665	1	5714	1	7763	0	9812	0	11861	0
1617	0	3666	0	5715	1	7764	0	9813	0	11862	1
1618	0	3667	1	5716	0	7765	1	9814	1	11863	1
1619	1	3668	0	5717	1	7766	1	9815	1	11864	0
1620	1	3669	0	5718	0	7767	1	9816	0	11865	1
1621	0	3670	0	5719	0	7768	0	9817	0	11866	0

1622	0	3671	1	5720	0	7769	1	9818	1	11867	1
1623	0	3672	1	5721	1	7770	0	9819	0	11868	1
1624	0	3673	0	5722	1	7771	0	9820	1	11869	0
1625	0	3674	0	5723	0	7772	0	9821	0	11870	1
1626	0	3675	1	5724	0	7773	0	9822	0	11871	0
1627	0	3676	0	5725	0	7774	1	9823	1	11872	0
1628	1	3677	1	5726	1	7775	0	9824	1	11873	0
1629	1	3678	1	5727	0	7776	0	9825	1	11874	1
1630	1	3679	0	5728	1	7777	1	9826	1	11875	0
1631	1	3680	0	5729	0	7778	0	9827	1	11876	0
1632	0	3681	1	5730	1	7779	0	9828	0	11877	1
1633	1	3682	0	5731	0	7780	0	9829	0	11878	0
1634	0	3683	0	5732	0	7781	0	9830	0	11879	0
1635	0	3684	0	5733	1	7782	0	9831	0	11880	1
1636	1	3685	1	5734	1	7783	1	9832	1	11881	1
1637	0	3686	1	5735	1	7784	1	9833	1	11882	1
1638	1	3687	0	5736	1	7785	1	9834	1	11883	1
1639	1	3688	1	5737	1	7786	1	9835	1	11884	0
1640	1	3689	0	5738	1	7787	0	9836	0	11885	1
1641	1	3690	1	5739	1	7788	0	9837	1	11886	1
1642	0	3691	0	5740	1	7789	0	9838	0	11887	1
1643	1	3692	0	5741	0	7790	1	9839	1	11888	0
1644	0	3693	1	5742	0	7791	1	9840	1	11889	1
1645	1	3694	1	5743	0	7792	1	9841	0	11890	0
1646	1	3695	0	5744	0	7793	1	9842	0	11891	1
1647	0	3696	1	5745	0	7794	1	9843	0	11892	1
1648	0	3697	0	5746	0	7795	1	9844	1	11893	0
1649	1	3698	1	5747	0	7796	0	9845	0	11894	0
1650	1	3699	0	5748	1	7797	0	9846	0	11895	1
1651	1	3700	1	5749	1	7798	1	9847	0	11896	1
1652	1	3701	1	5750	0	7799	0	9848	0	11897	1
1653	1	3702	1	5751	0	7800	0	9849	0	11898	0
1654	0	3703	1	5752	0	7801	0	9850	1	11899	0
1655	0	3704	1	5753	1	7802	1	9851	1	11900	1
1656	0	3705	0	5754	1	7803	0	9852	1	11901	1
1657	0	3706	1	5755	1	7804	1	9853	1	11902	0
1658	1	3707	0	5756	1	7805	1	9854	0	11903	1
1659	1	3708	0	5757	0	7806	1	9855	1	11904	1
1660	1	3709	1	5758	0	7807	1	9856	1	11905	1
1661	0	3710	0	5759	1	7808	1	9857	1	11906	0
1662	1	3711	0	5760	0	7809	0	9858	1	11907	0
1663	0	3712	1	5761	1	7810	1	9859	0	11908	0
1664	0	3713	1	5762	1	7811	1	9860	0	11909	0
1665	1	3714	0	5763	1	7812	1	9861	1	11910	0

1666	0	3715	1	5764	1	7813	1	9862	1	11911	1
1667	1	3716	1	5765	0	7814	1	9863	1	11912	1
1668	0	3717	0	5766	1	7815	0	9864	0	11913	1
1669	0	3718	0	5767	1	7816	0	9865	0	11914	1
1670	1	3719	1	5768	0	7817	0	9866	0	11915	0
1671	1	3720	0	5769	1	7818	0	9867	1	11916	1
1672	0	3721	1	5770	1	7819	1	9868	1	11917	1
1673	0	3722	1	5771	1	7820	0	9869	1	11918	1
1674	0	3723	0	5772	0	7821	0	9870	1	11919	1
1675	1	3724	0	5773	1	7822	1	9871	1	11920	1
1676	0	3725	0	5774	1	7823	0	9872	0	11921	0
1677	0	3726	1	5775	0	7824	0	9873	0	11922	0
1678	1	3727	1	5776	1	7825	0	9874	0	11923	1
1679	0	3728	1	5777	1	7826	0	9875	0	11924	1
1680	0	3729	1	5778	0	7827	1	9876	1	11925	1
1681	1	3730	1	5779	0	7828	0	9877	0	11926	0
1682	0	3731	1	5780	0	7829	1	9878	0	11927	0
1683	1	3732	1	5781	0	7830	0	9879	0	11928	1
1684	1	3733	1	5782	1	7831	1	9880	0	11929	0
1685	1	3734	0	5783	0	7832	1	9881	0	11930	0
1686	1	3735	1	5784	0	7833	0	9882	0	11931	1
1687	0	3736	0	5785	1	7834	1	9883	1	11932	1
1688	1	3737	0	5786	1	7835	0	9884	1	11933	1
1689	1	3738	0	5787	0	7836	0	9885	0	11934	1
1690	1	3739	0	5788	0	7837	1	9886	1	11935	0
1691	1	3740	0	5789	0	7838	1	9887	0	11936	1
1692	0	3741	1	5790	0	7839	1	9888	0	11937	0
1693	0	3742	1	5791	1	7840	0	9889	1	11938	1
1694	0	3743	1	5792	1	7841	1	9890	1	11939	1
1695	1	3744	0	5793	0	7842	0	9891	0	11940	1
1696	0	3745	1	5794	1	7843	1	9892	1	11941	0
1697	0	3746	0	5795	1	7844	1	9893	0	11942	0
1698	0	3747	0	5796	0	7845	0	9894	0	11943	1
1699	1	3748	0	5797	0	7846	0	9895	0	11944	0
1700	0	3749	1	5798	0	7847	0	9896	0	11945	0
1701	0	3750	0	5799	1	7848	1	9897	1	11946	0
1702	0	3751	1	5800	0	7849	1	9898	0	11947	1
1703	1	3752	1	5801	0	7850	0	9899	0	11948	1
1704	1	3753	0	5802	1	7851	0	9900	1	11949	0
1705	0	3754	0	5803	1	7852	0	9901	0	11950	1
1706	1	3755	0	5804	1	7853	1	9902	1	11951	1
1707	0	3756	1	5805	1	7854	0	9903	1	11952	0
1708	1	3757	0	5806	1	7855	1	9904	0	11953	1
1709	0	3758	1	5807	1	7856	0	9905	0	11954	0

1710	0	3759	1	5808	0	7857	0	9906	0	11955	0
1711	0	3760	1	5809	0	7858	1	9907	1	11956	1
1712	0	3761	1	5810	1	7859	1	9908	1	11957	1
1713	0	3762	1	5811	1	7860	1	9909	1	11958	0
1714	1	3763	1	5812	0	7861	1	9910	0	11959	1
1715	1	3764	0	5813	0	7862	0	9911	0	11960	1
1716	0	3765	0	5814	1	7863	0	9912	1	11961	0
1717	1	3766	1	5815	1	7864	1	9913	0	11962	1
1718	1	3767	1	5816	1	7865	0	9914	1	11963	0
1719	0	3768	1	5817	0	7866	0	9915	0	11964	0
1720	1	3769	1	5818	1	7867	1	9916	0	11965	0
1721	1	3770	1	5819	0	7868	0	9917	1	11966	1
1722	1	3771	1	5820	1	7869	0	9918	0	11967	0
1723	1	3772	0	5821	0	7870	1	9919	0	11968	0
1724	0	3773	1	5822	0	7871	0	9920	0	11969	1
1725	0	3774	1	5823	0	7872	1	9921	1	11970	0
1726	1	3775	1	5824	1	7873	0	9922	0	11971	1
1727	1	3776	1	5825	1	7874	1	9923	1	11972	0
1728	0	3777	1	5826	0	7875	1	9924	0	11973	0
1729	0	3778	0	5827	0	7876	0	9925	1	11974	0
1730	1	3779	0	5828	0	7877	0	9926	0	11975	0
1731	0	3780	0	5829	1	7878	0	9927	1	11976	0
1732	1	3781	1	5830	0	7879	0	9928	1	11977	1
1733	0	3782	0	5831	0	7880	1	9929	0	11978	1
1734	1	3783	1	5832	1	7881	0	9930	1	11979	0
1735	0	3784	0	5833	0	7882	1	9931	1	11980	1
1736	0	3785	0	5834	0	7883	0	9932	1	11981	0
1737	0	3786	0	5835	1	7884	0	9933	1	11982	1
1738	1	3787	0	5836	1	7885	0	9934	0	11983	0
1739	1	3788	0	5837	1	7886	1	9935	0	11984	0
1740	0	3789	0	5838	1	7887	0	9936	1	11985	0
1741	0	3790	0	5839	1	7888	0	9937	1	11986	1
1742	1	3791	1	5840	1	7889	0	9938	0	11987	0
1743	1	3792	0	5841	0	7890	1	9939	0	11988	1
1744	0	3793	0	5842	0	7891	0	9940	1	11989	0
1745	1	3794	0	5843	0	7892	0	9941	0	11990	0
1746	1	3795	0	5844	1	7893	0	9942	1	11991	0
1747	0	3796	1	5845	0	7894	1	9943	0	11992	0
1748	0	3797	1	5846	0	7895	1	9944	0	11993	1
1749	1	3798	1	5847	1	7896	0	9945	1	11994	1
1750	0	3799	1	5848	0	7897	0	9946	1	11995	1
1751	1	3800	0	5849	1	7898	1	9947	1	11996	1
1752	0	3801	1	5850	0	7899	1	9948	0	11997	1
1753	0	3802	0	5851	1	7900	1	9949	1	11998	0

1754	0	3803	0	5852	0	7901	1	9950	1	11999	0
1755	1	3804	1	5853	0	7902	0	9951	0	12000	0
1756	1	3805	0	5854	1	7903	1	9952	1	12001	0
1757	0	3806	1	5855	1	7904	1	9953	0	12002	0
1758	1	3807	0	5856	0	7905	1	9954	0	12003	0
1759	0	3808	0	5857	0	7906	1	9955	1	12004	0
1760	0	3809	0	5858	1	7907	0	9956	0	12005	0
1761	1	3810	1	5859	0	7908	0	9957	0	12006	1
1762	0	3811	1	5860	0	7909	1	9958	1	12007	0
1763	0	3812	0	5861	0	7910	0	9959	1	12008	1
1764	0	3813	1	5862	0	7911	1	9960	0	12009	1
1765	1	3814	0	5863	0	7912	0	9961	0	12010	1
1766	1	3815	0	5864	1	7913	1	9962	0	12011	1
1767	0	3816	1	5865	0	7914	1	9963	1	12012	0
1768	0	3817	1	5866	1	7915	0	9964	1	12013	1
1769	0	3818	0	5867	1	7916	1	9965	1	12014	0
1770	1	3819	0	5868	0	7917	1	9966	0	12015	1
1771	1	3820	1	5869	1	7918	1	9967	0	12016	0
1772	0	3821	0	5870	1	7919	0	9968	0	12017	1
1773	0	3822	0	5871	1	7920	1	9969	0	12018	1
1774	0	3823	0	5872	0	7921	0	9970	1	12019	1
1775	1	3824	1	5873	0	7922	1	9971	1	12020	0
1776	0	3825	1	5874	0	7923	0	9972	1	12021	1
1777	0	3826	0	5875	1	7924	1	9973	1	12022	1
1778	0	3827	0	5876	0	7925	0	9974	1	12023	0
1779	1	3828	0	5877	0	7926	1	9975	0	12024	1
1780	0	3829	1	5878	1	7927	1	9976	0	12025	0
1781	0	3830	0	5879	1	7928	0	9977	1	12026	0
1782	1	3831	0	5880	1	7929	1	9978	1	12027	1
1783	0	3832	1	5881	0	7930	0	9979	0	12028	0
1784	1	3833	0	5882	1	7931	1	9980	1	12029	1
1785	1	3834	1	5883	1	7932	0	9981	0	12030	1
1786	0	3835	0	5884	0	7933	0	9982	0	12031	1
1787	0	3836	1	5885	1	7934	0	9983	1	12032	0
1788	0	3837	1	5886	0	7935	1	9984	0	12033	1
1789	0	3838	0	5887	1	7936	0	9985	0	12034	0
1790	0	3839	0	5888	1	7937	1	9986	1	12035	1
1791	1	3840	0	5889	0	7938	0	9987	0	12036	1
1792	0	3841	0	5890	1	7939	0	9988	1	12037	1
1793	0	3842	0	5891	0	7940	0	9989	1	12038	1
1794	1	3843	1	5892	0	7941	0	9990	1	12039	1
1795	1	3844	1	5893	0	7942	1	9991	1	12040	0
1796	0	3845	0	5894	1	7943	1	9992	1	12041	1
1797	0	3846	1	5895	0	7944	0	9993	0	12042	0

1798	1	3847	1	5896	1	7945	1	9994	0	12043	1
1799	1	3848	0	5897	0	7946	1	9995	1	12044	0
1800	1	3849	1	5898	1	7947	0	9996	1	12045	0
1801	0	3850	1	5899	1	7948	1	9997	0	12046	0
1802	1	3851	1	5900	1	7949	0	9998	0	12047	1
1803	1	3852	0	5901	0	7950	1	9999	0	12048	0
1804	1	3853	1	5902	1	7951	1	10000	1	12049	0
1805	0	3854	0	5903	1	7952	0	10001	0	12050	1
1806	1	3855	0	5904	0	7953	1	10002	1	12051	1
1807	0	3856	0	5905	0	7954	0	10003	0	12052	0
1808	0	3857	1	5906	1	7955	0	10004	1	12053	1
1809	1	3858	1	5907	0	7956	0	10005	0	12054	0
1810	0	3859	0	5908	1	7957	1	10006	0	12055	0
1811	0	3860	0	5909	0	7958	1	10007	0	12056	1
1812	0	3861	0	5910	0	7959	1	10008	1	12057	1
1813	1	3862	0	5911	0	7960	1	10009	0	12058	1
1814	1	3863	0	5912	0	7961	0	10010	0	12059	0
1815	0	3864	0	5913	1	7962	1	10011	0	12060	1
1816	1	3865	0	5914	0	7963	1	10012	0	12061	1
1817	0	3866	0	5915	0	7964	1	10013	1	12062	0
1818	0	3867	0	5916	0	7965	0	10014	1	12063	0
1819	1	3868	0	5917	0	7966	1	10015	0	12064	1
1820	0	3869	0	5918	1	7967	0	10016	1	12065	0
1821	0	3870	0	5919	0	7968	1	10017	1	12066	0
1822	1	3871	0	5920	0	7969	0	10018	1	12067	0
1823	0	3872	1	5921	1	7970	0	10019	0	12068	0
1824	0	3873	1	5922	0	7971	0	10020	1	12069	0
1825	0	3874	0	5923	1	7972	1	10021	1	12070	1
1826	0	3875	1	5924	0	7973	0	10022	1	12071	0
1827	0	3876	1	5925	0	7974	0	10023	1	12072	1
1828	0	3877	1	5926	0	7975	1	10024	1	12073	1
1829	1	3878	0	5927	1	7976	1	10025	0	12074	0
1830	1	3879	1	5928	0	7977	0	10026	1	12075	0
1831	1	3880	0	5929	1	7978	0	10027	1	12076	1
1832	0	3881	0	5930	1	7979	1	10028	1	12077	1
1833	0	3882	0	5931	0	7980	1	10029	1	12078	1
1834	1	3883	0	5932	1	7981	1	10030	1	12079	0
1835	1	3884	1	5933	1	7982	1	10031	0	12080	1
1836	0	3885	0	5934	1	7983	1	10032	1	12081	0
1837	1	3886	0	5935	1	7984	0	10033	1	12082	0
1838	1	3887	1	5936	0	7985	0	10034	1	12083	0
1839	0	3888	0	5937	0	7986	1	10035	0	12084	1
1840	1	3889	1	5938	0	7987	1	10036	1	12085	1
1841	0	3890	0	5939	0	7988	0	10037	0	12086	1

1842	1	3891	0	5940	1	7989	1	10038	0	12087	1
1843	0	3892	0	5941	0	7990	1	10039	0	12088	1
1844	0	3893	1	5942	0	7991	0	10040	0	12089	0
1845	1	3894	0	5943	1	7992	0	10041	1	12090	0
1846	1	3895	1	5944	0	7993	1	10042	1	12091	0
1847	1	3896	1	5945	1	7994	0	10043	1	12092	0
1848	1	3897	1	5946	0	7995	1	10044	0	12093	0
1849	0	3898	1	5947	0	7996	0	10045	0	12094	0
1850	0	3899	0	5948	0	7997	0	10046	0	12095	0
1851	1	3900	0	5949	0	7998	0	10047	1	12096	0
1852	1	3901	1	5950	1	7999	1	10048	0	12097	1
1853	1	3902	1	5951	1	8000	1	10049	1	12098	1
1854	0	3903	0	5952	1	8001	0	10050	0	12099	1
1855	1	3904	1	5953	0	8002	0	10051	1	12100	0
1856	1	3905	1	5954	1	8003	1	10052	0	12101	1
1857	1	3906	0	5955	0	8004	0	10053	0	12102	0
1858	1	3907	1	5956	0	8005	0	10054	0	12103	1
1859	1	3908	1	5957	1	8006	1	10055	0	12104	1
1860	0	3909	0	5958	1	8007	0	10056	0	12105	1
1861	0	3910	0	5959	1	8008	0	10057	1	12106	0
1862	1	3911	1	5960	1	8009	0	10058	1	12107	1
1863	1	3912	0	5961	0	8010	1	10059	0	12108	1
1864	0	3913	0	5962	1	8011	0	10060	1	12109	1
1865	0	3914	1	5963	1	8012	1	10061	1	12110	0
1866	0	3915	1	5964	1	8013	0	10062	1	12111	0
1867	1	3916	0	5965	0	8014	0	10063	1	12112	1
1868	1	3917	0	5966	0	8015	0	10064	1	12113	0
1869	1	3918	1	5967	1	8016	0	10065	0	12114	1
1870	0	3919	0	5968	1	8017	1	10066	1	12115	1
1871	0	3920	0	5969	0	8018	0	10067	0	12116	1
1872	1	3921	1	5970	1	8019	0	10068	1	12117	1
1873	1	3922	1	5971	1	8020	1	10069	0	12118	1
1874	0	3923	0	5972	0	8021	1	10070	1	12119	0
1875	1	3924	0	5973	1	8022	1	10071	0	12120	1
1876	0	3925	1	5974	0	8023	0	10072	0	12121	0
1877	0	3926	0	5975	1	8024	0	10073	1	12122	1
1878	1	3927	0	5976	0	8025	1	10074	0	12123	0
1879	1	3928	0	5977	1	8026	0	10075	0	12124	0
1880	1	3929	0	5978	1	8027	1	10076	1	12125	1
1881	0	3930	1	5979	0	8028	0	10077	1	12126	0
1882	1	3931	0	5980	1	8029	0	10078	0	12127	0
1883	1	3932	1	5981	1	8030	0	10079	1	12128	1
1884	0	3933	1	5982	0	8031	1	10080	0	12129	0
1885	0	3934	0	5983	0	8032	1	10081	1	12130	1

1886	0	3935	1	5984	1	8033	1	10082	1	12131	0
1887	0	3936	1	5985	0	8034	0	10083	0	12132	1
1888	0	3937	0	5986	1	8035	1	10084	1	12133	1
1889	1	3938	0	5987	1	8036	0	10085	1	12134	1
1890	0	3939	1	5988	0	8037	1	10086	0	12135	1
1891	1	3940	1	5989	0	8038	1	10087	0	12136	0
1892	0	3941	1	5990	1	8039	0	10088	0	12137	1
1893	1	3942	1	5991	0	8040	0	10089	1	12138	1
1894	1	3943	0	5992	1	8041	0	10090	0	12139	0
1895	0	3944	0	5993	0	8042	0	10091	0	12140	1
1896	1	3945	1	5994	0	8043	1	10092	0	12141	0
1897	1	3946	1	5995	0	8044	0	10093	1	12142	0
1898	0	3947	0	5996	1	8045	0	10094	1	12143	0
1899	1	3948	1	5997	1	8046	1	10095	0	12144	0
1900	0	3949	1	5998	0	8047	1	10096	0	12145	1
1901	0	3950	0	5999	0	8048	1	10097	1	12146	0
1902	1	3951	0	6000	1	8049	0	10098	1	12147	1
1903	1	3952	0	6001	0	8050	1	10099	0	12148	0
1904	1	3953	0	6002	0	8051	1	10100	0	12149	0
1905	0	3954	1	6003	0	8052	0	10101	0	12150	1
1906	1	3955	0	6004	0	8053	1	10102	1	12151	0
1907	1	3956	1	6005	0	8054	0	10103	1	12152	1
1908	1	3957	1	6006	1	8055	0	10104	1	12153	0
1909	0	3958	1	6007	1	8056	1	10105	1	12154	1
1910	1	3959	1	6008	0	8057	1	10106	1	12155	1
1911	1	3960	1	6009	0	8058	1	10107	0	12156	1
1912	1	3961	0	6010	1	8059	1	10108	1	12157	0
1913	1	3962	1	6011	0	8060	1	10109	1	12158	0
1914	0	3963	1	6012	1	8061	1	10110	1	12159	0
1915	1	3964	1	6013	1	8062	0	10111	0	12160	1
1916	0	3965	1	6014	1	8063	0	10112	1	12161	1
1917	0	3966	1	6015	1	8064	0	10113	0	12162	0
1918	0	3967	0	6016	1	8065	1	10114	0	12163	1
1919	1	3968	1	6017	0	8066	1	10115	1	12164	0
1920	0	3969	0	6018	0	8067	0	10116	1	12165	0
1921	1	3970	1	6019	1	8068	0	10117	0	12166	1
1922	0	3971	1	6020	0	8069	0	10118	0	12167	0
1923	0	3972	0	6021	0	8070	0	10119	1	12168	1
1924	0	3973	0	6022	1	8071	1	10120	1	12169	0
1925	0	3974	1	6023	0	8072	0	10121	1	12170	0
1926	1	3975	0	6024	1	8073	1	10122	1	12171	1
1927	1	3976	1	6025	0	8074	0	10123	0	12172	0
1928	0	3977	0	6026	0	8075	0	10124	0	12173	0
1929	1	3978	0	6027	1	8076	0	10125	0	12174	1

1930	1	3979	0	6028	1	8077	0	10126	1	12175	0
1931	1	3980	0	6029	1	8078	1	10127	0	12176	1
1932	1	3981	0	6030	0	8079	0	10128	0	12177	0
1933	0	3982	0	6031	0	8080	0	10129	1	12178	1
1934	1	3983	0	6032	1	8081	1	10130	0	12179	1
1935	1	3984	0	6033	1	8082	1	10131	0	12180	1
1936	0	3985	0	6034	0	8083	0	10132	0	12181	0
1937	1	3986	1	6035	0	8084	0	10133	1	12182	1
1938	0	3987	1	6036	0	8085	0	10134	1	12183	1
1939	1	3988	1	6037	1	8086	1	10135	0	12184	1
1940	1	3989	0	6038	0	8087	1	10136	1	12185	0
1941	0	3990	1	6039	1	8088	1	10137	0	12186	0
1942	0	3991	0	6040	1	8089	0	10138	1	12187	0
1943	0	3992	1	6041	1	8090	0	10139	0	12188	0
1944	0	3993	0	6042	0	8091	0	10140	0	12189	1
1945	0	3994	1	6043	0	8092	1	10141	1	12190	0
1946	0	3995	0	6044	0	8093	0	10142	1	12191	1
1947	0	3996	0	6045	0	8094	0	10143	1	12192	0
1948	0	3997	0	6046	0	8095	1	10144	0	12193	0
1949	0	3998	1	6047	1	8096	1	10145	0	12194	1
1950	1	3999	1	6048	0	8097	0	10146	1	12195	0
1951	1	4000	1	6049	1	8098	1	10147	1	12196	1
1952	0	4001	1	6050	0	8099	0	10148	1	12197	0
1953	0	4002	1	6051	1	8100	1	10149	0	12198	1
1954	0	4003	1	6052	0	8101	1	10150	0	12199	1
1955	1	4004	0	6053	0	8102	0	10151	0	12200	0
1956	1	4005	0	6054	1	8103	0	10152	0	12201	0
1957	1	4006	1	6055	0	8104	0	10153	1	12202	1
1958	0	4007	0	6056	1	8105	1	10154	0	12203	0
1959	1	4008	0	6057	1	8106	0	10155	1	12204	0
1960	1	4009	0	6058	1	8107	0	10156	0	12205	0
1961	1	4010	0	6059	0	8108	1	10157	1	12206	1
1962	1	4011	0	6060	1	8109	1	10158	1	12207	1
1963	0	4012	0	6061	0	8110	0	10159	0	12208	1
1964	1	4013	1	6062	1	8111	0	10160	0	12209	1
1965	1	4014	1	6063	0	8112	0	10161	1	12210	0
1966	0	4015	1	6064	1	8113	1	10162	0	12211	0
1967	1	4016	0	6065	0	8114	0	10163	1	12212	0
1968	1	4017	0	6066	1	8115	1	10164	1	12213	0
1969	0	4018	1	6067	1	8116	0	10165	1	12214	1
1970	0	4019	0	6068	0	8117	0	10166	1	12215	1
1971	0	4020	0	6069	1	8118	1	10167	1	12216	0
1972	1	4021	1	6070	1	8119	0	10168	1	12217	0
1973	1	4022	0	6071	0	8120	0	10169	1	12218	0

1974	1	4023	0	6072	0	8121	1	10170	1	12219	0
1975	1	4024	1	6073	0	8122	0	10171	0	12220	0
1976	1	4025	1	6074	1	8123	1	10172	0	12221	1
1977	1	4026	0	6075	0	8124	1	10173	1	12222	0
1978	0	4027	1	6076	0	8125	0	10174	0	12223	1
1979	0	4028	0	6077	0	8126	1	10175	1	12224	1
1980	0	4029	0	6078	1	8127	1	10176	1	12225	0
1981	1	4030	1	6079	0	8128	1	10177	1	12226	0
1982	0	4031	0	6080	0	8129	0	10178	0	12227	1
1983	0	4032	1	6081	0	8130	1	10179	0	12228	0
1984	0	4033	0	6082	0	8131	1	10180	0	12229	1
1985	1	4034	1	6083	1	8132	0	10181	0	12230	1
1986	1	4035	0	6084	1	8133	1	10182	1	12231	1
1987	1	4036	1	6085	1	8134	0	10183	1	12232	0
1988	1	4037	0	6086	0	8135	0	10184	1	12233	0
1989	0	4038	1	6087	0	8136	1	10185	0	12234	0
1990	1	4039	0	6088	1	8137	0	10186	0	12235	0
1991	1	4040	1	6089	0	8138	0	10187	1	12236	1
1992	1	4041	1	6090	1	8139	0	10188	0	12237	1
1993	1	4042	1	6091	0	8140	0	10189	1	12238	0
1994	0	4043	0	6092	1	8141	0	10190	1	12239	0
1995	1	4044	1	6093	1	8142	1	10191	0	12240	0
1996	0	4045	0	6094	0	8143	1	10192	1	12241	0
1997	1	4046	1	6095	0	8144	0	10193	0	12242	0
1998	1	4047	1	6096	1	8145	0	10194	1	12243	1
1999	0	4048	1	6097	1	8146	1	10195	1	12244	0
2000	0	4049	0	6098	0	8147	0	10196	1	12245	1
2001	0	4050	1	6099	1	8148	1	10197	1	12246	1
2002	1	4051	0	6100	0	8149	1	10198	1	12247	0
2003	1	4052	1	6101	1	8150	1	10199	1	12248	0
2004	1	4053	1	6102	1	8151	0	10200	1	12249	1
2005	0	4054	1	6103	0	8152	1	10201	1	12250	0
2006	0	4055	1	6104	1	8153	1	10202	0	12251	1
2007	1	4056	0	6105	0	8154	1	10203	0	12252	1
2008	0	4057	0	6106	0	8155	1	10204	0	12253	1
2009	1	4058	1	6107	0	8156	1	10205	1	12254	0
2010	1	4059	1	6108	0	8157	1	10206	0	12255	1
2011	0	4060	0	6109	0	8158	0	10207	0	12256	0
2012	0	4061	1	6110	1	8159	0	10208	0	12257	1
2013	1	4062	1	6111	1	8160	0	10209	1	12258	1
2014	0	4063	1	6112	1	8161	1	10210	0	12259	0
2015	1	4064	0	6113	1	8162	0	10211	1	12260	1
2016	0	4065	0	6114	0	8163	0	10212	1	12261	1
2017	1	4066	0	6115	0	8164	1	10213	1	12262	1

2018	0	4067	0	6116	1	8165	0	10214	1	12263	1
2019	0	4068	0	6117	0	8166	0	10215	0	12264	1
2020	0	4069	0	6118	0	8167	1	10216	1	12265	1
2021	0	4070	1	6119	1	8168	0	10217	1	12266	0
2022	0	4071	0	6120	1	8169	0	10218	0	12267	1
2023	1	4072	0	6121	0	8170	0	10219	0	12268	0
2024	0	4073	1	6122	0	8171	1	10220	1	12269	1
2025	0	4074	1	6123	1	8172	0	10221	0	12270	1
2026	1	4075	0	6124	0	8173	1	10222	0	12271	0
2027	0	4076	0	6125	1	8174	0	10223	0	12272	1
2028	1	4077	1	6126	1	8175	0	10224	0	12273	1
2029	0	4078	0	6127	0	8176	1	10225	0	12274	1
2030	1	4079	0	6128	1	8177	0	10226	0	12275	0
2031	1	4080	1	6129	0	8178	0	10227	1	12276	1
2032	1	4081	1	6130	0	8179	0	10228	0	12277	0
2033	0	4082	1	6131	0	8180	1	10229	0	12278	0
2034	0	4083	0	6132	0	8181	1	10230	0	12279	1
2035	0	4084	1	6133	0	8182	0	10231	1	12280	0
2036	1	4085	1	6134	0	8183	1	10232	0	12281	1
2037	0	4086	1	6135	0	8184	1	10233	0	12282	0
2038	0	4087	1	6136	0	8185	1	10234	0	12283	1
2039	1	4088	0	6137	1	8186	1	10235	1	12284	0
2040	0	4089	0	6138	1	8187	1	10236	1	12285	0
2041	0	4090	0	6139	1	8188	0	10237	1	12286	1
2042	0	4091	1	6140	0	8189	1	10238	0	12287	0
2043	1	4092	1	6141	1	8190	1	10239	1	12288	1
2044	0	4093	0	6142	0	8191	0	10240	1		
2045	0	4094	0	6143	1	8192	0	10241	1		
2046	1	4095	0	6144	0	8193	0	10242	1		
2047	1	4096	0	6145	1	8194	0	10243	0		
2048	0	4097	1	6146	1	8195	1	10244	0		

UNIVERSITÉ DE STRASBOURG, CNRS, IRMA UMR 7501, F-67000 STRASBOURG, FRANCE

Email address: `guoniu.han@unistra.fr`

SCHOOL OF MATHEMATICS AND STATISTICS, HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, WUHAN, PR CHINA

Email address: `huyining@hust.edu.cn`