

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

$$(a, b) = (z^2, z^5 + z^4 + z^3 + z^2 + 1)$$

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 $(a, b) = (z^2, z^5 + z^4 + z^3 + z^2 + 1)$.

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 17:35:59 .

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 5.9 hours CPU time used.

Theorem 1.1. *When $(a, b) = (z^2, z^5 + z^4 + z^3 + z^2 + 1)$, 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 $\text{CF}(a, b)$,

$$\begin{aligned} p_0(z) &= z^{21} + z^{17} + z^{16} + z^{13} + z^{12} + z^{10} + z^9 + z^7 + z^5 + z^2 + 1, \\ p_1(z) &= z^{26} + z^{23} + z^{22} + z^{19} + z^{15} + z^{12} + z^{11} + z^9 + z^7 + z^6 + z^4 + z^2, \\ p_2(z) &= z^{28} + z^{18} + z^{16} + z^{14} + z^4, \\ p_3(z) &= z^{26} + z^{23} + z^{22} + z^{19} + z^{15} + z^{12} + z^{11} + z^9 + z^7 + z^6 + z^4 + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{18} + z^{17} + z^{14} + z^{13} + z^{10} + z^9 + z^8 + z^7 + z^5 + z^4 + z^2, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{17} + z^{13} + z^{10} + z^9 + z^7 + z^5 + z^2, \\ p_1(z) &= z^{26} + z^{23} + z^{22} + z^{19} + z^{15} + z^{12} + z^{11} + z^9 + z^7 + z^6 + z^4 + z^2, \\ p_2(z) &= z^{28} + z^{18} + z^{16} + z^{14} + z^4, \\ p_3(z) &= z^{26} + z^{23} + z^{22} + z^{19} + z^{15} + z^{12} + z^{11} + z^9 + z^7 + z^6 + z^4 + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{20} + z^{18} + z^{17} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 + z^8 + z^7 \\ &\quad + z^5 + z^4 + z^2 + 1. \end{aligned}$$

2. PROOF

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

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

By the basic properties of continued fractions, we have

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

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

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

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

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

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

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

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

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

for some positive integer d_n . Hence,

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

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

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

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

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

of the vector

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

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

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

Lemma 2.1. *We have*

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

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

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

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

Proof. We give the proof of the identity

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

the proofs of the others being similar.

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

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

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

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

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

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

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

Define

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

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

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

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

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

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

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

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

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

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

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

$$0 = x^{11u}T[2u:3u] + x^{8u}T[5u:6u] + x^{7u}T[6u:7u] + T[13u:14u],$$

which can be rewritten as

$$(2.7) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\ + T[[110w]_2] + T[[111w]_2],$$

$$(2.8) \quad 0 = T[[10w]_2] + T[[11w]_2] + T[[1000w]_2],$$

$$(2.9) \quad 0 = T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[1001w]_2],$$

$$(2.10) \quad 0 = T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1010w]_2],$$

$$(2.11) \quad 0 = T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1011w]_2],$$

$$(2.12) \quad 0 = T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1100w]_2],$$

$$(2.13) \quad 0 = T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1101w]_2],$$

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

$$(2.14) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\ + T[[110w]_2] + T[[111w]_2],$$

$$(2.15) \quad 0 = T[[10w]_2] + T[[11w]_2] + T[[1000w]_2],$$

$$(2.16) \quad 0 = T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[1001w]_2],$$

$$(2.17) \quad 0 = T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1010w]_2],$$

$$(2.18) \quad 0 = T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1011w]_2],$$

$$(2.19) \quad 0 = T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1100w]_2],$$

$$(2.20) \quad 0 = T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1101w]_2],$$

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 11073 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

$$(2.21) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 111)),$$

$$(2.22) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 1000)),$$

$$(2.23) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 1001)),$$

$$(2.24) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1010)),$$

$$(2.25) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1011)),$$

$$(2.26) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1100)),$$

$$(2.27) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)),$$

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

$$(2.28) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 111)),$$

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

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{42}), E_{42}) = (A(i, 0^{22}), E_{22})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 21$, which turns out to be true. $\square$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Define

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

where

$$\begin{aligned}
q_0(x) &= x^{28} + x^{26} + x^{23} + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{12} + x^{11} + x^7, \\
q_1(x) &= x^{26} + x^{24} + x^{22} + x^{21} + x^{19} + x^{17} + x^{16} + x^{13} + x^9 + x^6 + x^5 + x^2, \\
q_2(x) &= x^{24} + x^{14} + x^{12} + x^{10} + 1, \\
q_3(x) &= x^{26} + x^{24} + x^{22} + x^{21} + x^{19} + x^{17} + x^{16} + x^{13} + x^9 + x^6 + x^5 + x^2, \\
q_4(x) &= x^{26} + x^{24} + x^{23} + x^{21} + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} + x^{11} + x^{10} + x^7 \\
&\quad + x^4.
\end{aligned}$$

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

$$\begin{aligned} p_0(x) = & x^{156} + x^{152} + x^{150} + x^{148} + x^{146} + x^{144} + x^{134} + x^{132} + x^{128} + x^{124} \\ & + x^{118} + x^{116} + x^{110} + x^{94} + x^{92} + x^{90} + x^{88} + x^{84} + x^{82} + x^{80} + x^{76} \\ & + x^{74} + x^{72} + x^{70} + x^{60} + x^{58} + x^{50} + x^{46} + x^{44} + x^{42} + x^{38} + x^{30} \\ & + x^{24}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{148} + x^{146} + x^{144} + x^{142} + x^{134} + x^{132} + x^{128} + x^{126} + x^{124} + x^{116} \\ & + x^{110} + x^{108} + x^{96} + x^{92} + x^{90} + x^{84} + x^{80} + x^{76} + x^{74} + x^{72} + x^{70} \\ & + x^{68} + x^{66} + x^{60} + x^{56} + x^{48} + x^{46} + x^{40} + x^{38} + x^{34} + x^{32} + x^{28} \\ & + x^{26} + x^{20} + x^{18} + x^{16}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{146} + x^{140} + x^{138} + x^{136} + x^{132} + x^{130} + x^{128} + x^{126} + x^{124} + x^{122} \\ & + x^{118} + x^{112} + x^{106} + x^{104} + x^{102} + x^{100} + x^{98} + x^{92} + x^{90} + x^{82} \\ & + x^{74} + x^{70} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} + x^{54} + x^{50} + x^{48} + x^{42} \\ & + x^{40} + x^{32} + x^{28} + x^{22} + x^{18} + x^{14} + x^{10} + x^4 + 1, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{152} + x^{148} + x^{140} + x^{138} + x^{136} + x^{134} + x^{130} + x^{124} + x^{122} + x^{120} \\ & + x^{116} + x^{114} + x^{112} + x^{106} + x^{100} + x^{98} + x^{94} + x^{88} + x^{86} + x^{82} \\ & + x^{78} + x^{74} + x^{72} + x^{68} + x^{66} + x^{60} + x^{52} + x^{50} + x^{48} + x^{42} + x^{40} \\ & + x^{38} + x^{34} + x^{28} + x^{26} + x^{24} + x^{20} + x^{18} + x^{12} + x^{10} + x^8 + x^4, \end{aligned}$$

$$p_{12}(x) = x^{152} + x^{136} + x^{128} + x^{112} + x^{96} + x^{72} + x^{64} + x^{56} + x^{32} + x^8 + 1,$$

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

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

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{136} + x^{134} + x^{132} + x^{131} + x^{129} + x^{128} \\ & + x^{127} + x^{124} + x^{120} + x^{119} + x^{118} + x^{114} + x^{111} + x^{109} + x^{107} \\ & + x^{106} + x^{100} + x^{94} + x^{93} + x^{91} + x^{90} + x^{86} + x^{83} + x^{82} + x^{81} + x^{80} \\ & + x^{75} + x^{73} + x^{72} + x^{71} + x^{70} + x^{66} + x^{65} + x^{64} + x^{62} + x^{59} + x^{57} \end{aligned}$$

$$\begin{aligned}
& + x^{56} + x^{55} + x^{51} + x^{50} + x^{49} + x^{43} + x^{41} + x^{38} + x^{37} + x^{35} + x^{34} \\
& + x^{33}, \\
p_3(x) &= x^{143} + x^{140} + x^{139} + x^{138} + x^{133} + x^{131} + x^{130} + x^{125} + x^{123} + x^{122} \\
& + x^{119} + x^{117} + x^{116} + x^{109} + x^{107} + x^{106} + x^{103} + x^{101} + x^{100} \\
& + x^{93} + x^{91} + x^{90} + x^{85} + x^{83} + x^{82} + x^{71} + x^{68} + x^{67} + x^{66} + x^{53} \\
& + x^{51} + x^{50} + x^{37} + x^{35} + x^{34} + x^{31} + x^{29} + x^{28} + x^{23} + x^{20} + x^{19} \\
& + x^{18}, \\
p_6(x) &= x^{141} + x^{139} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{130} + x^{129} + x^{127} \\
& + x^{125} + x^{123} + x^{121} + x^{119} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} \\
& + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} + x^{103} + x^{102} + x^{97} + x^{95} + x^{94} \\
& + x^{92} + x^{90} + x^{86} + x^{85} + x^{84} + x^{82} + x^{80} + x^{76} + x^{74} + x^{73} + x^{69} \\
& + x^{68} + x^{63} + x^{60} + x^{59} + x^{57} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{37} + x^{36} + x^{33} + x^{30} + x^{26} + x^{24} + x^{23} \\
& + x^{21} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12}, \\
p_9(x) &= x^{139} + x^{136} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} \\
& + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{112} + x^{110} + x^{109} + x^{108} \\
& + x^{105} + x^{102} + x^{101} + x^{100} + x^{99} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} \\
& + x^{85} + x^{83} + x^{82} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} \\
& + x^{65} + x^{63} + x^{62} + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{52} + x^{49} + x^{46} \\
& + x^{45} + x^{44} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{34} + x^{33} + x^{30} + x^{29} \\
& + x^{28} + x^{27} + x^{24} + x^{23} + x^{22} + x^{19} + x^{16} + x^{14} + x^{13} + x^{12} + x^{11} \\
& + x^8 + x^7 + x^6, \\
p_{12}(x) &= x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} \\
& + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} \\
& + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{97} + x^{95} + x^{94} + x^{92} + x^{91} \\
& + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} \\
& + x^{74} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{41} + x^{39} \\
& + x^{38} + x^{37} + x^{36} + x^{33} + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} \\
& + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 \\
& + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{136} + x^{134} + x^{132} + x^{131} + x^{129} + x^{128} \\
& + x^{127} + x^{124} + x^{120} + x^{119} + x^{118} + x^{114} + x^{111} + x^{109} + x^{107} \\
& + x^{106} + x^{100} + x^{94} + x^{93} + x^{91} + x^{90} + x^{86} + x^{83} + x^{82} + x^{81} + x^{80}
\end{aligned}$$

$$\begin{aligned}
& + x^{75} + x^{73} + x^{72} + x^{71} + x^{70} + x^{66} + x^{65} + x^{64} + x^{62} + x^{59} + x^{57} \\
& + x^{56} + x^{55} + x^{51} + x^{50} + x^{49} + x^{43} + x^{41} + x^{38} + x^{37} + x^{35} + x^{34} \\
& + x^{33}, \\
p_3(x) &= x^{143} + x^{140} + x^{139} + x^{138} + x^{133} + x^{131} + x^{130} + x^{125} + x^{123} + x^{122} \\
& + x^{119} + x^{117} + x^{116} + x^{109} + x^{107} + x^{106} + x^{103} + x^{101} + x^{100} \\
& + x^{93} + x^{91} + x^{90} + x^{85} + x^{83} + x^{82} + x^{71} + x^{68} + x^{67} + x^{66} + x^{53} \\
& + x^{51} + x^{50} + x^{37} + x^{35} + x^{34} + x^{31} + x^{29} + x^{28} + x^{23} + x^{20} + x^{19} \\
& + x^{18}, \\
p_6(x) &= x^{141} + x^{139} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{130} + x^{129} + x^{127} \\
& + x^{125} + x^{123} + x^{121} + x^{119} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} \\
& + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} + x^{103} + x^{102} + x^{97} + x^{95} + x^{94} \\
& + x^{92} + x^{90} + x^{86} + x^{85} + x^{84} + x^{82} + x^{80} + x^{76} + x^{74} + x^{73} + x^{69} \\
& + x^{68} + x^{63} + x^{60} + x^{59} + x^{57} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{37} + x^{36} + x^{33} + x^{30} + x^{26} + x^{24} + x^{23} \\
& + x^{21} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12}, \\
p_9(x) &= x^{139} + x^{136} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} \\
& + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{112} + x^{110} + x^{109} + x^{108} \\
& + x^{105} + x^{102} + x^{101} + x^{100} + x^{99} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} \\
& + x^{85} + x^{83} + x^{82} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} \\
& + x^{65} + x^{63} + x^{62} + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{52} + x^{49} + x^{46} \\
& + x^{45} + x^{44} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{34} + x^{33} + x^{30} + x^{29} \\
& + x^{28} + x^{27} + x^{24} + x^{23} + x^{22} + x^{19} + x^{16} + x^{14} + x^{13} + x^{12} + x^{11} \\
& + x^8 + x^7 + x^6, \\
p_{12}(x) &= x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} \\
& + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} \\
& + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{97} + x^{95} + x^{94} + x^{92} + x^{91} \\
& + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} \\
& + x^{74} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{41} + x^{39} \\
& + x^{38} + x^{37} + x^{36} + x^{33} + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} \\
& + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 \\
& + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{132} + x^{130} + x^{128} + x^{126} + x^{118} + x^{114} + x^{108} + x^{104} + x^{102} \\
& + x^{98} + x^{96} + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{80} + x^{76} + x^{68} + x^{64}
\end{aligned}$$

$$\begin{aligned}
& + x^{62} + x^{60} + x^{56} + x^{54} + x^{48} + x^{46} + x^{44} + x^{42}, \\
p_3(x) &= x^{126} + x^{120} + x^{118} + x^{108} + x^{106} + x^{104} + x^{96} + x^{88} + x^{86} + x^{82} \\
& + x^{80} + x^{78} + x^{74} + x^{70} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} + x^{52} \\
& + x^{50} + x^{46} + x^{42} + x^{40} + x^{34} + x^{24} + x^{22} + x^{14} + x^{12}, \\
p_6(x) &= x^{126} + x^{122} + x^{120} + x^{118} + x^{116} + x^{112} + x^{104} + x^{102} + x^{100} + x^{92} \\
& + x^{86} + x^{84} + x^{72} + x^{68} + x^{64} + x^{62} + x^{58} + x^{56} + x^{54} + x^{52} + x^{50} \\
& + x^{48} + x^{44} + x^{42} + x^{38} + x^{36} + x^{30} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} \\
& + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^2 + 1, \\
p_9(x) &= x^{122} + x^{116} + x^{106} + x^{104} + x^{102} + x^{96} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} \\
& + x^{84} + x^{80} + x^{78} + x^{72} + x^{70} + x^{64} + x^{60} + x^{52} + x^{50} + x^{46} + x^{44} \\
& + x^{42} + x^{40} + x^{36} + x^{32} + x^{30} + x^{28} + x^{24} + x^{22} + x^{14} + x^{10} + x^6 \\
& + x^4, \\
p_{12}(x) &= x^{122} + x^{118} + x^{116} + x^{114} + x^{112} + x^{90} + x^{86} + x^{84} + x^{82} + x^{80} + x^{74} \\
& + x^{70} + x^{68} + x^{66} + x^{64} + x^{26} + x^{22} + x^{20} + x^{18} + x^{16} + x^{10} + x^6 \\
& + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{132} + x^{128} + x^{124} + x^{120} + x^{118} + x^{116} + x^{112} + x^{108} + x^{104} \\
& + x^{94} + x^{92} + x^{88} + x^{86} + x^{80} + x^{78} + x^{76} + x^{74} + x^{70} + x^{68} + x^{60} \\
& + x^{58} + x^{54} + x^{46} + x^{36} + x^{32} + x^{28} + x^{26} + x^{24}, \\
p_3(x) &= x^{126} + x^{120} + x^{112} + x^{106} + x^{100} + x^{98} + x^{94} + x^{86} + x^{84} + x^{82} + x^{76} \\
& + x^{64} + x^{52} + x^{46} + x^{44} + x^{38} + x^{32} + x^{30} + x^{26} + x^{16}, \\
p_6(x) &= x^{126} + x^{122} + x^{120} + x^{116} + x^{114} + x^{110} + x^{104} + x^{100} + x^{98} + x^{94} \\
& + x^{88} + x^{86} + x^{84} + x^{82} + x^{78} + x^{74} + x^{70} + x^{60} + x^{58} + x^{56} + x^{48} \\
& + x^{46} + x^{42} + x^{38} + x^{32} + x^{22} + x^{14} + x^{12} + x^2 + 1, \\
p_9(x) &= x^{122} + x^{116} + x^{106} + x^{104} + x^{102} + x^{96} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} \\
& + x^{84} + x^{80} + x^{78} + x^{72} + x^{70} + x^{64} + x^{60} + x^{52} + x^{50} + x^{46} + x^{44} \\
& + x^{42} + x^{40} + x^{36} + x^{32} + x^{30} + x^{28} + x^{24} + x^{22} + x^{14} + x^{10} + x^6 \\
& + x^4, \\
p_{12}(x) &= x^{122} + x^{118} + x^{116} + x^{114} + x^{112} + x^{90} + x^{86} + x^{84} + x^{82} + x^{80} + x^{74} \\
& + x^{70} + x^{68} + x^{66} + x^{64} + x^{26} + x^{22} + x^{20} + x^{18} + x^{16} + x^{10} + x^6 \\
& + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$p_0(x) = x^{147} + x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{132} + x^{129} + x^{122} + x^{121}$$

$$\begin{aligned}
& + x^{119} + x^{118} + x^{117} + x^{115} + x^{113} + x^{109} + x^{106} + x^{105} + x^{100} \\
& + x^{99} + x^{97} + x^{96} + x^{95} + x^{93} + x^{91} + x^{90} + x^{88} + x^{87} + x^{82} + x^{81} \\
& + x^{78} + x^{77} + x^{76} + x^{74} + x^{70} + x^{69} + x^{66} + x^{62} + x^{59} + x^{55} + x^{51} \\
& + x^{48} + x^{47} + x^{41} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{143} + x^{140} + x^{139} + x^{138} + x^{133} + x^{131} + x^{130} + x^{125} + x^{123} + x^{122} \\
& + x^{119} + x^{117} + x^{116} + x^{109} + x^{107} + x^{106} + x^{103} + x^{101} + x^{100} \\
& + x^{93} + x^{91} + x^{90} + x^{85} + x^{83} + x^{82} + x^{71} + x^{68} + x^{67} + x^{66} + x^{53} \\
& + x^{51} + x^{50} + x^{37} + x^{35} + x^{34} + x^{31} + x^{29} + x^{28} + x^{23} + x^{20} + x^{19} \\
& + x^{18}, \\
p_6(x) = & x^{141} + x^{139} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{130} + x^{129} + x^{127} \\
& + x^{125} + x^{123} + x^{121} + x^{119} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} \\
& + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} + x^{103} + x^{102} + x^{97} + x^{95} + x^{94} \\
& + x^{92} + x^{90} + x^{86} + x^{85} + x^{84} + x^{82} + x^{80} + x^{76} + x^{74} + x^{73} + x^{69} \\
& + x^{68} + x^{63} + x^{60} + x^{59} + x^{57} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{37} + x^{36} + x^{33} + x^{30} + x^{26} + x^{24} + x^{23} \\
& + x^{21} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12}, \\
p_9(x) = & x^{139} + x^{136} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} \\
& + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{112} + x^{110} + x^{109} + x^{108} \\
& + x^{105} + x^{102} + x^{101} + x^{100} + x^{99} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} \\
& + x^{85} + x^{83} + x^{82} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} \\
& + x^{65} + x^{63} + x^{62} + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{52} + x^{49} + x^{46} \\
& + x^{45} + x^{44} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{34} + x^{33} + x^{30} + x^{29} \\
& + x^{28} + x^{27} + x^{24} + x^{23} + x^{22} + x^{19} + x^{16} + x^{14} + x^{13} + x^{12} + x^{11} \\
& + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} \\
& + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} \\
& + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{97} + x^{95} + x^{94} + x^{92} + x^{91} \\
& + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} \\
& + x^{74} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{41} + x^{39} \\
& + x^{38} + x^{37} + x^{36} + x^{33} + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} \\
& + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 \\
& + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$p_0(x) = x^{147} + x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{132} + x^{129} + x^{122} + x^{121}$$

$$\begin{aligned}
& + x^{119} + x^{118} + x^{117} + x^{115} + x^{113} + x^{109} + x^{106} + x^{105} + x^{100} \\
& + x^{99} + x^{97} + x^{96} + x^{95} + x^{93} + x^{91} + x^{90} + x^{88} + x^{87} + x^{82} + x^{81} \\
& + x^{78} + x^{77} + x^{76} + x^{74} + x^{70} + x^{69} + x^{66} + x^{62} + x^{59} + x^{55} + x^{51} \\
& + x^{48} + x^{47} + x^{41} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{143} + x^{140} + x^{139} + x^{138} + x^{133} + x^{131} + x^{130} + x^{125} + x^{123} + x^{122} \\
& + x^{119} + x^{117} + x^{116} + x^{109} + x^{107} + x^{106} + x^{103} + x^{101} + x^{100} \\
& + x^{93} + x^{91} + x^{90} + x^{85} + x^{83} + x^{82} + x^{71} + x^{68} + x^{67} + x^{66} + x^{53} \\
& + x^{51} + x^{50} + x^{37} + x^{35} + x^{34} + x^{31} + x^{29} + x^{28} + x^{23} + x^{20} + x^{19} \\
& + x^{18}, \\
p_6(x) = & x^{141} + x^{139} + x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{130} + x^{129} + x^{127} \\
& + x^{125} + x^{123} + x^{121} + x^{119} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} \\
& + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} + x^{103} + x^{102} + x^{97} + x^{95} + x^{94} \\
& + x^{92} + x^{90} + x^{86} + x^{85} + x^{84} + x^{82} + x^{80} + x^{76} + x^{74} + x^{73} + x^{69} \\
& + x^{68} + x^{63} + x^{60} + x^{59} + x^{57} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{37} + x^{36} + x^{33} + x^{30} + x^{26} + x^{24} + x^{23} \\
& + x^{21} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12}, \\
p_9(x) = & x^{139} + x^{136} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} + x^{125} + x^{124} + x^{123} \\
& + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{112} + x^{110} + x^{109} + x^{108} \\
& + x^{105} + x^{102} + x^{101} + x^{100} + x^{99} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} \\
& + x^{85} + x^{83} + x^{82} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} + x^{71} + x^{70} \\
& + x^{65} + x^{63} + x^{62} + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{52} + x^{49} + x^{46} \\
& + x^{45} + x^{44} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{34} + x^{33} + x^{30} + x^{29} \\
& + x^{28} + x^{27} + x^{24} + x^{23} + x^{22} + x^{19} + x^{16} + x^{14} + x^{13} + x^{12} + x^{11} \\
& + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} \\
& + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} \\
& + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{97} + x^{95} + x^{94} + x^{92} + x^{91} \\
& + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} \\
& + x^{74} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{41} + x^{39} \\
& + x^{38} + x^{37} + x^{36} + x^{33} + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} \\
& + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 \\
& + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$p_0(x) = x^{156} + x^{150} + x^{146} + x^{144} + x^{142} + x^{140} + x^{138} + x^{136} + x^{124} + x^{122}$$

$$\begin{aligned}
& + x^{118} + x^{110} + x^{100} + x^{98} + x^{94} + x^{92} + x^{90} + x^{88} + x^{84} + x^{78} + x^{76} \\
& + x^{68} + x^{64} + x^{62} + x^{60} + x^{54} + x^{50} + x^{48} + x^{46} + x^{44} + x^{42}, \\
p_3(x) &= x^{146} + x^{142} + x^{138} + x^{136} + x^{120} + x^{116} + x^{114} + x^{110} + x^{108} + x^{104} \\
& + x^{100} + x^{98} + x^{96} + x^{94} + x^{92} + x^{88} + x^{84} + x^{82} + x^{76} + x^{72} + x^{68} \\
& + x^{64} + x^{58} + x^{56} + x^{46} + x^{42} + x^{36} + x^{34} + x^{30} + x^{26} + x^{24} + x^{20} \\
& + x^{16} + x^{12}, \\
p_6(x) &= x^{148} + x^{146} + x^{140} + x^{136} + x^{134} + x^{130} + x^{124} + x^{122} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{106} + x^{102} + x^{94} + x^{92} + x^{88} + x^{84} + x^{72} + x^{60} \\
& + x^{56} + x^{54} + x^{50} + x^{40} + x^{38} + x^{36} + x^{30} + x^{28} + x^{24} + x^{22} + x^{20} \\
& + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{140} + x^{138} + x^{136} + x^{134} + x^{130} + x^{124} + x^{122} + x^{120} \\
& + x^{116} + x^{114} + x^{112} + x^{106} + x^{100} + x^{98} + x^{94} + x^{88} + x^{86} + x^{82} \\
& + x^{78} + x^{74} + x^{72} + x^{68} + x^{66} + x^{60} + x^{52} + x^{50} + x^{48} + x^{42} + x^{40} \\
& + x^{38} + x^{34} + x^{28} + x^{26} + x^{24} + x^{20} + x^{18} + x^{12} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{136} + x^{128} + x^{112} + x^{96} + x^{72} + x^{64} + x^{56} + x^{32} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{142} + x^{140} + x^{137} + x^{136} + x^{134} + x^{133} + x^{131} \\
& + x^{129} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} + x^{120} + x^{119} + x^{118} \\
& + x^{115} + x^{113} + x^{111} + x^{110} + x^{109} + x^{105} + x^{104} + x^{103} + x^{102} \\
& + x^{101} + x^{99} + x^{95} + x^{92} + x^{91} + x^{90} + x^{88} + x^{85} + x^{84} + x^{80} + x^{77} \\
& + x^{75} + x^{74} + x^{70} + x^{69} + x^{66} + x^{64} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} \\
& + x^{52} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{40} + x^{38} + x^{35} \\
& + x^{33} + x^{32} + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{24}, \\
p_3(x) &= x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{133} + x^{128} + x^{126} \\
& + x^{123} + x^{120} + x^{117} + x^{114} + x^{110} + x^{109} + x^{108} + x^{101} + x^{100} \\
& + x^{99} + x^{97} + x^{96} + x^{94} + x^{93} + x^{92} + x^{91} + x^{88} + x^{84} + x^{83} + x^{81} \\
& + x^{76} + x^{74} + x^{73} + x^{69} + x^{65} + x^{64} + x^{61} + x^{58} + x^{54} + x^{52} + x^{51} \\
& + x^{50} + x^{48} + x^{46} + x^{43} + x^{42} + x^{41} + x^{38} + x^{37} + x^{35} + x^{34} + x^{33} \\
& + x^{32} + x^{29} + x^{28} + x^{27} + x^{25} + x^{24} + x^{22} + x^{21} + x^{19} + x^{18} + x^{17} \\
& + x^{16}, \\
p_6(x) &= x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{131} + x^{130} \\
& + x^{129} + x^{127} + x^{126} + x^{125} + x^{123} + x^{121} + x^{119} + x^{117} + x^{116} \\
& + x^{114} + x^{111} + x^{108} + x^{106} + x^{104} + x^{98} + x^{97} + x^{96} + x^{94} + x^{93} \\
& + x^{92} + x^{91} + x^{88} + x^{84} + x^{83} + x^{82} + x^{81} + x^{79} + x^{78} + x^{77} + x^{74}
\end{aligned}$$

$$\begin{aligned}
& + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} + x^{66} + x^{65} + x^{62} + x^{58} + x^{55} + x^{54} \\
& + x^{53} + x^{52} + x^{49} + x^{47} + x^{43} + x^{41} + x^{39} + x^{34} + x^{30} + x^{28} + x^{25} \\
& + x^{23} + x^{19} + x^{16} + x^{15} + x^{13} + x^{12} + x^9 + x^7 + x^6 + x^4 + x^3 + x^2 + x \\
& + 1, \\
p_9(x) = & x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{133} + x^{131} + x^{130} + x^{128} + x^{127} \\
& + x^{126} + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{113} + x^{111} + x^{110} \\
& + x^{109} + x^{108} + x^{101} + x^{99} + x^{98} + x^{97} + x^{96} + x^{93} + x^{91} + x^{90} + x^{89} \\
& + x^{88} + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} \\
& + x^{72} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} \\
& + x^{29} + x^{27} + x^{26} + x^{25} + x^{24} + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} \\
& + x^{12} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) = & x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{137} + x^{135} + x^{134} + x^{132} + x^{131} \\
& + x^{130} + x^{129} + x^{128} + x^{121} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} \\
& + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{105} + x^{103} + x^{102} + x^{100} \\
& + x^{99} + x^{98} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{73} + x^{71} + x^{70} + x^{68} \\
& + x^{67} + x^{66} + x^{65} + x^{64} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{41} + x^{39} \\
& + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^9 + x^7 + x^6 \\
& + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{142} + x^{139} + x^{137} + x^{133} + x^{131} + x^{128} + x^{127} + x^{125} + x^{123} \\
& + x^{119} + x^{118} + x^{117} + x^{116} + x^{113} + x^{112} + x^{109} + x^{108} + x^{105} \\
& + x^{104} + x^{103} + x^{102} + x^{100} + x^{99} + x^{96} + x^{95} + x^{91} + x^{90} + x^{89} \\
& + x^{87} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} \\
& + x^{73} + x^{71} + x^{69} + x^{65} + x^{60} + x^{58} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} \\
& + x^{43} + x^{40} + x^{38} + x^{37} + x^{36} + x^{33}, \\
p_3(x) = & x^{134} + x^{132} + x^{130} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{118} + x^{117} \\
& + x^{116} + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} + x^{102} + x^{101} + x^{100} \\
& + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{77} \\
& + x^{74} + x^{73} + x^{71} + x^{65} + x^{63} + x^{57} + x^{55} + x^{54} + x^{52} + x^{50} + x^{45} \\
& + x^{42} + x^{38} + x^{36} + x^{34} + x^{33} + x^{31} + x^{30} + x^{29} + x^{28} + x^{21} + x^{18}, \\
p_6(x) = & x^{136} + x^{132} + x^{128} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} + x^{116} + x^{114} \\
& + x^{108} + x^{102} + x^{92} + x^{88} + x^{86} + x^{82} + x^{78} + x^{76} + x^{72} + x^{70} + x^{68} \\
& + x^{58} + x^{56} + x^{54} + x^{52} + x^{46} + x^{40} + x^{38} + x^{36} + x^{28} + x^{26} + x^{22} \\
& + x^{20} + x^{18} + x^{16} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_9(x) &= x^{138} + x^{136} + x^{133} + x^{132} + x^{131} + x^{130} + x^{128} + x^{127} + x^{126} + x^{124} \\
&\quad + x^{121} + x^{118} + x^{106} + x^{104} + x^{101} + x^{100} + x^{99} + x^{98} + x^{96} + x^{95} \\
&\quad + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{80} \\
&\quad + x^{79} + x^{78} + x^{76} + x^{73} + x^{70} + x^{42} + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} \\
&\quad + x^{32} + x^{31} + x^{30} + x^{28} + x^{26} + x^{25} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} \\
&\quad + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^9 + x^6, \\
p_{12}(x) &= x^{140} + x^{132} + x^{128} + x^{116} + x^{112} + x^{108} + x^{100} + x^{96} + x^{92} + x^{68} \\
&\quad + x^{64} + x^{44} + x^{36} + x^{32} + x^{28} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{152} + x^{151} + x^{150} + x^{149} + x^{147} + x^{146} + x^{142} + x^{141} \\
&\quad + x^{138} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} + x^{128} + x^{126} + x^{125} \\
&\quad + x^{118} + x^{117} + x^{114} + x^{113} + x^{112} + x^{111} + x^{106} + x^{105} + x^{104} \\
&\quad + x^{103} + x^{102} + x^{101} + x^{100} + x^{97} + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} \\
&\quad + x^{86} + x^{85} + x^{84} + x^{83} + x^{78} + x^{77} + x^{76} + x^{73} + x^{71} + x^{69} + x^{66} \\
&\quad + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{53} + x^{52} + x^{51} \\
&\quad + x^{50} + x^{48} + x^{46} + x^{44} + x^{41} + x^{38} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{154} + x^{152} + x^{150} + x^{149} + x^{147} + x^{145} + x^{141} + x^{140} + x^{139} + x^{137} \\
&\quad + x^{136} + x^{135} + x^{134} + x^{133} + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} \\
&\quad + x^{120} + x^{119} + x^{114} + x^{112} + x^{111} + x^{109} + x^{107} + x^{106} + x^{104} \\
&\quad + x^{103} + x^{95} + x^{94} + x^{90} + x^{89} + x^{88} + x^{87} + x^{85} + x^{84} + x^{83} + x^{82} \\
&\quad + x^{81} + x^{78} + x^{75} + x^{72} + x^{70} + x^{66} + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} \\
&\quad + x^{59} + x^{58} + x^{55} + x^{52} + x^{51} + x^{46} + x^{44} + x^{43} + x^{41} + x^{39} + x^{35} \\
&\quad + x^{33} + x^{32} + x^{31} + x^{28} + x^{26} + x^{25} + x^{22} + x^{21} + x^{18}, \\
p_6(x) &= x^{156} + x^{152} + x^{146} + x^{144} + x^{142} + x^{136} + x^{134} + x^{130} + x^{128} + x^{124} \\
&\quad + x^{120} + x^{110} + x^{104} + x^{96} + x^{92} + x^{88} + x^{86} + x^{82} + x^{80} + x^{78} + x^{72} \\
&\quad + x^{66} + x^{60} + x^{56} + x^{48} + x^{46} + x^{38} + x^{36} + x^{32} + x^{30} + x^{28} + x^{26} \\
&\quad + x^{24} + x^{20} + x^{18} + x^{12}, \\
p_9(x) &= x^{158} + x^{156} + x^{153} + x^{152} + x^{151} + x^{147} + x^{145} + x^{144} + x^{143} + x^{140} \\
&\quad + x^{137} + x^{132} + x^{130} + x^{129} + x^{127} + x^{126} + x^{125} + x^{122} + x^{120} \\
&\quad + x^{119} + x^{118} + x^{115} + x^{113} + x^{112} + x^{111} + x^{110} + x^{104} + x^{103} \\
&\quad + x^{100} + x^{99} + x^{98} + x^{96} + x^{93} + x^{90} + x^{86} + x^{84} + x^{82} + x^{81} + x^{79} \\
&\quad + x^{77} + x^{76} + x^{74} + x^{73} + x^{70} + x^{62} + x^{60} + x^{57} + x^{56} + x^{55} + x^{51} \\
&\quad + x^{49} + x^{48} + x^{47} + x^{46} + x^{40} + x^{39} + x^{36} + x^{35} + x^{34} + x^{32} + x^{29} \\
&\quad + x^{26} + x^{22} + x^{20} + x^{18} + x^{17} + x^{15} + x^{13} + x^{12} + x^{10} + x^9 + x^6,
\end{aligned}$$

$$p_{12}(x) = x^{160} + x^{140} + x^{136} + x^{132} + x^{128} + x^{108} + x^{104} + x^{100} + x^{92} + x^{88} \\ + x^{84} + x^{80} + x^{48} + x^{44} + x^{40} + x^{36} + x^{28} + x^{24} + x^{20} + x^{16} + 1,$$

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

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

$$p_0(x) = x^{147} + x^{143} + x^{141} + x^{139} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{131} \\ + x^{127} + x^{113} + x^{110} + x^{107} + x^{101} + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} \\ + x^{93} + x^{90} + x^{88} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{80} + x^{79} + x^{76} \\ + x^{73} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{63} + x^{60} + x^{58} + x^{57} + x^{56} \\ + x^{54} + x^{53} + x^{51} + x^{50} + x^{47} + x^{44} + x^{42},$$

$$p_3(x) = x^{145} + x^{142} + x^{141} + x^{140} + x^{133} + x^{131} + x^{127} + x^{126} + x^{125} + x^{123} \\ + x^{121} + x^{113} + x^{111} + x^{110} + x^{108} + x^{105} + x^{104} + x^{100} + x^{99} + x^{98} \\ + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} + x^{84} + x^{81} + x^{80} + x^{79} + x^{77} \\ + x^{76} + x^{75} + x^{74} + x^{71} + x^{69} + x^{66} + x^{65} + x^{63} + x^{59} + x^{58} + x^{57} \\ + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{43} + x^{42} + x^{41} \\ + x^{38} + x^{37} + x^{34} + x^{33} + x^{31} + x^{29} + x^{28} + x^{26} + x^{25} + x^{24} + x^{22},$$

$$p_6(x) = x^{145} + x^{142} + x^{141} + x^{140} + x^{135} + x^{133} + x^{131} + x^{126} + x^{125} + x^{123} \\ + x^{122} + x^{121} + x^{120} + x^{117} + x^{116} + x^{115} + x^{113} + x^{110} + x^{109} \\ + x^{107} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{99} + x^{94} + x^{93} + x^{92} \\ + x^{87} + x^{85} + x^{84} + x^{82} + x^{81} + x^{73} + x^{72} + x^{69} + x^{66} + x^{65} + x^{63} \\ + x^{62} + x^{60} + x^{59} + x^{58} + x^{52} + x^{50} + x^{47} + x^{45} + x^{44} + x^{40} + x^{38} \\ + x^{34} + x^{33} + x^{29} + x^{28} + x^{27} + x^{25} + x^{23} + x^{22} + x^{20} + x^{19} + x^{17} \\ + x^{15} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + x + 1,$$

$$p_9(x) = x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{133} + x^{131} + x^{130} + x^{128} + x^{127} \\ + x^{126} + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{113} + x^{111} + x^{110} \\ + x^{109} + x^{108} + x^{101} + x^{99} + x^{98} + x^{97} + x^{96} + x^{93} + x^{91} + x^{90} + x^{89} \\ + x^{88} + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} \\ + x^{72} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} \\ + x^{29} + x^{27} + x^{26} + x^{25} + x^{24} + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} \\ + x^{12} + x^{11} + x^{10} + x^9 + x^8,$$

$$p_{12}(x) = x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{137} + x^{135} + x^{134} + x^{132} + x^{131} \\ + x^{130} + x^{129} + x^{128} + x^{121} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} \\ + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{105} + x^{103} + x^{102} + x^{100} \\ + x^{99} + x^{98} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{73} + x^{71} + x^{70} + x^{68} \\ + x^{67} + x^{66} + x^{65} + x^{64} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{41} + x^{39} \\ + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^9 + x^7 + x^6$$

$$+ x^4 + x^3 + x^2 + x + 1,$$

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

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

$$\begin{aligned} p_0(x) &= x^{147} + x^{145} + x^{143} + x^{142} + x^{140} + x^{137} + x^{136} + x^{134} + x^{133} + x^{131} \\ &\quad + x^{129} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} + x^{120} + x^{119} + x^{118} \\ &\quad + x^{115} + x^{113} + x^{111} + x^{110} + x^{109} + x^{105} + x^{104} + x^{103} + x^{102} \\ &\quad + x^{101} + x^{99} + x^{95} + x^{92} + x^{91} + x^{90} + x^{88} + x^{85} + x^{84} + x^{80} + x^{77} \\ &\quad + x^{75} + x^{74} + x^{70} + x^{69} + x^{66} + x^{64} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} \\ &\quad + x^{52} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{40} + x^{38} + x^{35} \\ &\quad + x^{33} + x^{32} + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{24}, \\ p_3(x) &= x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{133} + x^{128} + x^{126} \\ &\quad + x^{123} + x^{120} + x^{117} + x^{114} + x^{110} + x^{109} + x^{108} + x^{101} + x^{100} \\ &\quad + x^{99} + x^{97} + x^{96} + x^{94} + x^{93} + x^{92} + x^{91} + x^{88} + x^{84} + x^{83} + x^{81} \\ &\quad + x^{76} + x^{74} + x^{73} + x^{69} + x^{65} + x^{64} + x^{61} + x^{58} + x^{54} + x^{52} + x^{51} \\ &\quad + x^{50} + x^{48} + x^{46} + x^{43} + x^{42} + x^{41} + x^{38} + x^{37} + x^{35} + x^{34} + x^{33} \\ &\quad + x^{32} + x^{29} + x^{28} + x^{27} + x^{25} + x^{24} + x^{22} + x^{21} + x^{19} + x^{18} + x^{17} \\ &\quad + x^{16}, \\ p_6(x) &= x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{131} + x^{130} \\ &\quad + x^{129} + x^{127} + x^{126} + x^{125} + x^{123} + x^{121} + x^{119} + x^{117} + x^{116} \\ &\quad + x^{114} + x^{111} + x^{108} + x^{106} + x^{104} + x^{98} + x^{97} + x^{96} + x^{94} + x^{93} \\ &\quad + x^{92} + x^{91} + x^{88} + x^{84} + x^{83} + x^{82} + x^{81} + x^{79} + x^{78} + x^{77} + x^{74} \\ &\quad + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} + x^{66} + x^{65} + x^{62} + x^{58} + x^{55} + x^{54} \\ &\quad + x^{53} + x^{52} + x^{49} + x^{47} + x^{43} + x^{41} + x^{39} + x^{34} + x^{30} + x^{28} + x^{25} \\ &\quad + x^{23} + x^{19} + x^{16} + x^{15} + x^{13} + x^{12} + x^9 + x^7 + x^6 + x^4 + x^3 + x^2 + x \\ &\quad + 1, \\ p_9(x) &= x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{133} + x^{131} + x^{130} + x^{128} + x^{127} \\ &\quad + x^{126} + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{113} + x^{111} + x^{110} \\ &\quad + x^{109} + x^{108} + x^{101} + x^{99} + x^{98} + x^{97} + x^{96} + x^{93} + x^{91} + x^{90} + x^{89} \\ &\quad + x^{88} + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} \\ &\quad + x^{72} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} \\ &\quad + x^{29} + x^{27} + x^{26} + x^{25} + x^{24} + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} \\ &\quad + x^{12} + x^{11} + x^{10} + x^9 + x^8, \\ p_{12}(x) &= x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{137} + x^{135} + x^{134} + x^{132} + x^{131} \\ &\quad + x^{130} + x^{129} + x^{128} + x^{121} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} \\ &\quad + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{105} + x^{103} + x^{102} + x^{100} \end{aligned}$$

$$\begin{aligned}
& + x^{99} + x^{98} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{73} + x^{71} + x^{70} + x^{68} \\
& + x^{67} + x^{66} + x^{65} + x^{64} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{41} + x^{39} \\
& + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^9 + x^7 + x^6 \\
& + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{152} + x^{151} + x^{150} + x^{149} + x^{147} + x^{146} + x^{142} + x^{141} \\
&+ x^{138} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} + x^{128} + x^{126} + x^{125} \\
&+ x^{118} + x^{117} + x^{114} + x^{113} + x^{112} + x^{111} + x^{106} + x^{105} + x^{104} \\
&+ x^{103} + x^{102} + x^{101} + x^{100} + x^{97} + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} \\
&+ x^{86} + x^{85} + x^{84} + x^{83} + x^{78} + x^{77} + x^{76} + x^{73} + x^{71} + x^{69} + x^{66} \\
&+ x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{53} + x^{52} + x^{51} \\
&+ x^{50} + x^{48} + x^{46} + x^{44} + x^{41} + x^{38} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{154} + x^{152} + x^{150} + x^{149} + x^{147} + x^{145} + x^{141} + x^{140} + x^{139} + x^{137} \\
&+ x^{136} + x^{135} + x^{134} + x^{133} + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} \\
&+ x^{120} + x^{119} + x^{114} + x^{112} + x^{111} + x^{109} + x^{107} + x^{106} + x^{104} \\
&+ x^{103} + x^{95} + x^{94} + x^{90} + x^{89} + x^{88} + x^{87} + x^{85} + x^{84} + x^{83} + x^{82} \\
&+ x^{81} + x^{78} + x^{75} + x^{72} + x^{70} + x^{66} + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} \\
&+ x^{59} + x^{58} + x^{55} + x^{52} + x^{51} + x^{46} + x^{44} + x^{43} + x^{41} + x^{39} + x^{35} \\
&+ x^{33} + x^{32} + x^{31} + x^{28} + x^{26} + x^{25} + x^{22} + x^{21} + x^{18}, \\
p_6(x) &= x^{156} + x^{152} + x^{146} + x^{144} + x^{142} + x^{136} + x^{134} + x^{130} + x^{128} + x^{124} \\
&+ x^{120} + x^{110} + x^{104} + x^{96} + x^{92} + x^{88} + x^{86} + x^{82} + x^{80} + x^{78} + x^{72} \\
&+ x^{66} + x^{60} + x^{56} + x^{48} + x^{46} + x^{38} + x^{36} + x^{32} + x^{30} + x^{28} + x^{26} \\
&+ x^{24} + x^{20} + x^{18} + x^{12}, \\
p_9(x) &= x^{158} + x^{156} + x^{153} + x^{152} + x^{151} + x^{147} + x^{145} + x^{144} + x^{143} + x^{140} \\
&+ x^{137} + x^{132} + x^{130} + x^{129} + x^{127} + x^{126} + x^{125} + x^{122} + x^{120} \\
&+ x^{119} + x^{118} + x^{115} + x^{113} + x^{112} + x^{111} + x^{110} + x^{104} + x^{103} \\
&+ x^{100} + x^{99} + x^{98} + x^{96} + x^{93} + x^{90} + x^{86} + x^{84} + x^{82} + x^{81} + x^{79} \\
&+ x^{77} + x^{76} + x^{74} + x^{73} + x^{70} + x^{62} + x^{60} + x^{57} + x^{56} + x^{55} + x^{51} \\
&+ x^{49} + x^{48} + x^{47} + x^{46} + x^{40} + x^{39} + x^{36} + x^{35} + x^{34} + x^{32} + x^{29} \\
&+ x^{26} + x^{22} + x^{20} + x^{18} + x^{17} + x^{15} + x^{13} + x^{12} + x^{10} + x^9 + x^6, \\
p_{12}(x) &= x^{160} + x^{140} + x^{136} + x^{132} + x^{128} + x^{108} + x^{104} + x^{100} + x^{92} + x^{88} \\
&+ x^{84} + x^{80} + x^{48} + x^{44} + x^{40} + x^{36} + x^{28} + x^{24} + x^{20} + x^{16} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{148} + x^{142} + x^{139} + x^{137} + x^{133} + x^{131} + x^{128} + x^{127} + x^{125} + x^{123} \\
&\quad + x^{119} + x^{118} + x^{117} + x^{116} + x^{113} + x^{112} + x^{109} + x^{108} + x^{105} \\
&\quad + x^{104} + x^{103} + x^{102} + x^{100} + x^{99} + x^{96} + x^{95} + x^{91} + x^{90} + x^{89} \\
&\quad + x^{87} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} \\
&\quad + x^{73} + x^{71} + x^{69} + x^{65} + x^{60} + x^{58} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} \\
&\quad + x^{43} + x^{40} + x^{38} + x^{37} + x^{36} + x^{33}, \\
p_3(x) &= x^{134} + x^{132} + x^{130} + x^{129} + x^{127} + x^{126} + x^{125} + x^{124} + x^{118} + x^{117} \\
&\quad + x^{116} + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} + x^{102} + x^{101} + x^{100} \\
&\quad + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{77} \\
&\quad + x^{74} + x^{73} + x^{71} + x^{65} + x^{63} + x^{57} + x^{55} + x^{54} + x^{52} + x^{50} + x^{45} \\
&\quad + x^{42} + x^{38} + x^{36} + x^{34} + x^{33} + x^{31} + x^{30} + x^{29} + x^{28} + x^{21} + x^{18}, \\
p_6(x) &= x^{136} + x^{132} + x^{128} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} + x^{116} + x^{114} \\
&\quad + x^{108} + x^{102} + x^{92} + x^{88} + x^{86} + x^{82} + x^{78} + x^{76} + x^{72} + x^{70} + x^{68} \\
&\quad + x^{58} + x^{56} + x^{54} + x^{52} + x^{46} + x^{40} + x^{38} + x^{36} + x^{28} + x^{26} + x^{22} \\
&\quad + x^{20} + x^{18} + x^{16} + x^{12}, \\
p_9(x) &= x^{138} + x^{136} + x^{133} + x^{132} + x^{131} + x^{130} + x^{128} + x^{127} + x^{126} + x^{124} \\
&\quad + x^{121} + x^{118} + x^{106} + x^{104} + x^{101} + x^{100} + x^{99} + x^{98} + x^{96} + x^{95} \\
&\quad + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{80} \\
&\quad + x^{79} + x^{78} + x^{76} + x^{73} + x^{70} + x^{42} + x^{40} + x^{37} + x^{36} + x^{35} + x^{34} \\
&\quad + x^{32} + x^{31} + x^{30} + x^{28} + x^{26} + x^{25} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} \\
&\quad + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^9 + x^6, \\
p_{12}(x) &= x^{140} + x^{132} + x^{128} + x^{116} + x^{112} + x^{108} + x^{100} + x^{96} + x^{92} + x^{68} \\
&\quad + x^{64} + x^{44} + x^{36} + x^{32} + x^{28} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{143} + x^{141} + x^{139} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{131} \\
&\quad + x^{127} + x^{113} + x^{110} + x^{107} + x^{101} + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} \\
&\quad + x^{93} + x^{90} + x^{88} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{80} + x^{79} + x^{76} \\
&\quad + x^{73} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{63} + x^{60} + x^{58} + x^{57} + x^{56} \\
&\quad + x^{54} + x^{53} + x^{51} + x^{50} + x^{47} + x^{44} + x^{42}, \\
p_3(x) &= x^{145} + x^{142} + x^{141} + x^{140} + x^{133} + x^{131} + x^{127} + x^{126} + x^{125} + x^{123} \\
&\quad + x^{121} + x^{113} + x^{111} + x^{110} + x^{108} + x^{105} + x^{104} + x^{100} + x^{99} + x^{98} \\
&\quad + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{89} + x^{84} + x^{81} + x^{80} + x^{79} + x^{77} \\
&\quad + x^{76} + x^{75} + x^{74} + x^{71} + x^{69} + x^{66} + x^{65} + x^{63} + x^{59} + x^{58} + x^{57}
\end{aligned}$$

$$\begin{aligned}
& + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{43} + x^{42} + x^{41} \\
& + x^{38} + x^{37} + x^{34} + x^{33} + x^{31} + x^{29} + x^{28} + x^{26} + x^{25} + x^{24} + x^{22}, \\
p_6(x) = & x^{145} + x^{142} + x^{141} + x^{140} + x^{135} + x^{133} + x^{131} + x^{126} + x^{125} + x^{123} \\
& + x^{122} + x^{121} + x^{120} + x^{117} + x^{116} + x^{115} + x^{113} + x^{110} + x^{109} \\
& + x^{107} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{99} + x^{94} + x^{93} + x^{92} \\
& + x^{87} + x^{85} + x^{84} + x^{82} + x^{81} + x^{73} + x^{72} + x^{69} + x^{66} + x^{65} + x^{63} \\
& + x^{62} + x^{60} + x^{59} + x^{58} + x^{52} + x^{50} + x^{47} + x^{45} + x^{44} + x^{40} + x^{38} \\
& + x^{34} + x^{33} + x^{29} + x^{28} + x^{27} + x^{25} + x^{23} + x^{22} + x^{20} + x^{19} + x^{17} \\
& + x^{15} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + x + 1, \\
p_9(x) = & x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{133} + x^{131} + x^{130} + x^{128} + x^{127} \\
& + x^{126} + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{113} + x^{111} + x^{110} \\
& + x^{109} + x^{108} + x^{101} + x^{99} + x^{98} + x^{97} + x^{96} + x^{93} + x^{91} + x^{90} + x^{89} \\
& + x^{88} + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} \\
& + x^{72} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} \\
& + x^{29} + x^{27} + x^{26} + x^{25} + x^{24} + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} \\
& + x^{12} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) = & x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{137} + x^{135} + x^{134} + x^{132} + x^{131} \\
& + x^{130} + x^{129} + x^{128} + x^{121} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} \\
& + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{105} + x^{103} + x^{102} + x^{100} \\
& + x^{99} + x^{98} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{73} + x^{71} + x^{70} + x^{68} \\
& + x^{67} + x^{66} + x^{65} + x^{64} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} + x^{41} + x^{39} \\
& + x^{38} + x^{36} + x^{35} + x^{34} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^9 + x^7 + x^6 \\
& + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

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

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	2769	[4530, 4531]	5538	[7594, 7595]	8307	[4982, 5311]
1	[3, 4]	2770	[4000, 1387]	5539	[7596, 7597]	8308	[9759, 9405]
2	[5, 6]	2771	[4532, 3351]	5540	[7598, 7599]	8309	[6481, 6781]
3	[7, 8]	2772	[4533, 1522]	5541	[4835, 7600]	8310	[9760, 9198]
4	[9, 10]	2773	[1133, 4534]	5542	[1161, 7601]	8311	[9761, 5596]
5	[11, 12]	2774	[4535, 4308]	5543	[7602, 1069]	8312	[9762, 2672]
6	[13, 14]	2775	[4536, 4537]	5544	[1738, 4415]	8313	[568, 9532]
7	[15, 16]	2776	[4538, 4216]	5545	[7603, 1261]	8314	[9763, 2661]
8	[17, 18]	2777	[4539, 4192]	5546	[7604, 3271]	8315	[9764, 1948]
9	[19, 20]	2778	[4540, 3869]	5547	[7605, 7606]	8316	[9765, 9766]

10	[21, 22]	2779	[4541, 4542]	5548	[7607, 3916]	8317	[9767, 6734]
11	[23, 24]	2780	[4543, 4544]	5549	[7608, 4446]	8318	[9368, 6126]
12	[25, 26]	2781	[4545, 4546]	5550	[7609, 1620]	8319	[5154, 5068]
13	[27, 28]	2782	[4048, 4547]	5551	[7606, 7610]	8320	[9691, 9768]
14	[29, 30]	2783	[4548, 4549]	5552	[3846, 7611]	8321	[9729, 5461]
15	[31, 32]	2784	[4550, 25]	5553	[7612, 7613]	8322	[5104, 2960]
16	[33, 34]	2785	[4551, 4552]	5554	[7614, 1281]	8323	[9769, 2829]
17	[35, 36]	2786	[4553, 3141]	5555	[7615, 4190]	8324	[2824, 6455]
18	[37, 38]	2787	[4554, 1087]	5556	[7616, 7262]	8325	[9770, 9768]
19	[39, 40]	2788	[4555, 6]	5557	[7617, 4097]	8326	[8896, 1873]
20	[41, 42]	2789	[1086, 4556]	5558	[7618, 4438]	8327	[9771, 5944]
21	[43, 44]	2790	[1090, 4557]	5559	[7619, 1238]	8328	[9772, 9518]
22	[45, 46]	2791	[4558, 4559]	5560	[7620, 424]	8329	[9773, 9774]
23	[47, 48]	2792	[4560, 4561]	5561	[7621, 7622]	8330	[9032, 5710]
24	[49, 50]	2793	[4562, 3711]	5562	[7623, 7624]	8331	[9775, 9776]
25	[51, 52]	2794	[4563, 3318]	5563	[7625, 4814]	8332	[9777, 9778]
26	[53, 54]	2795	[1359, 4564]	5564	[7626, 4769]	8333	[9432, 939]
27	[55, 56]	2796	[1059, 3312]	5565	[7466, 3636]	8334	[9779, 5405]
28	[57, 58]	2797	[4565, 1471]	5566	[7627, 1482]	8335	[9780, 6314]
29	[59, 60]	2798	[4470, 4566]	5567	[7628, 1427]	8336	[4998, 8866]
30	[61, 62]	2799	[3550, 4567]	5568	[7629, 7630]	8337	[9596, 9475]
31	[63, 64]	2800	[4568, 1579]	5569	[7631, 7632]	8338	[6204, 9781]
32	[65, 66]	2801	[1202, 4569]	5570	[7633, 309]	8339	[3133, 2150]
33	[67, 68]	2802	[4570, 4377]	5571	[7634, 7635]	8340	[9782, 4990]
34	[69, 70]	2803	[4137, 4571]	5572	[3700, 7329]	8341	[9783, 9172]
35	[71, 72]	2804	[4572, 4573]	5573	[7033, 7023]	8342	[5049, 9668]
36	[73, 74]	2805	[4574, 4575]	5574	[7636, 7637]	8343	[5396, 5231]
37	[75, 76]	2806	[4576, 3177]	5575	[976, 7638]	8344	[6920, 3112]
38	[77, 78]	2807	[4577, 3784]	5576	[1722, 7639]	8345	[673, 3049]
39	[79, 80]	2808	[4578, 1349]	5577	[7640, 1581]	8346	[9784, 5230]
40	[81, 82]	2809	[4579, 1587]	5578	[7641, 1719]	8347	[9785, 6190]
41	[83, 84]	2810	[4580, 4304]	5579	[7490, 4583]	8348	[9786, 786]
42	[85, 86]	2811	[4581, 3510]	5580	[3623, 4098]	8349	[5454, 5104]
43	[87, 88]	2812	[4582, 3448]	5581	[7345, 7642]	8350	[9787, 2341]
44	[89, 90]	2813	[4583, 4584]	5582	[7643, 3283]	8351	[6950, 8818]
45	[91, 92]	2814	[4585, 4586]	5583	[7644, 7211]	8352	[9788, 9712]
46	[93, 94]	2815	[4587, 4588]	5584	[7645, 1422]	8353	[5860, 2049]
47	[95, 96]	2816	[3948, 4589]	5585	[7646, 1280]	8354	[2382, 6758]
48	[97, 98]	2817	[3533, 1621]	5586	[7647, 1578]	8355	[9789, 6406]
49	[99, 100]	2818	[976, 4590]	5587	[7382, 3599]	8356	[5557, 9049]
50	[101, 102]	2819	[4591, 4592]	5588	[7648, 1383]	8357	[2076, 9790]
51	[103, 104]	2820	[4593, 1340]	5589	[7649, 7650]	8358	[9791, 2472]
52	[105, 106]	2821	[4594, 3272]	5590	[3440, 7651]	8359	[2033, 6645]
53	[107, 108]	2822	[4595, 4596]	5591	[7652, 7653]	8360	[6883, 5627]

54	[109, 110]	2823	[3163, 4395]	5592	[7654, 7655]	8361	[9792, 1824]
55	[111, 112]	2824	[4597, 3853]	5593	[7656, 1397]	8362	[9793, 6817]
56	[113, 114]	2825	[4598, 4599]	5594	[7657, 4277]	8363	[5266, 2406]
57	[115, 116]	2826	[4600, 3215]	5595	[7007, 7658]	8364	[9794, 6745]
58	[117, 118]	2827	[4601, 4602]	5596	[4913, 4157]	8365	[6909, 9435]
59	[119, 120]	2828	[4603, 4604]	5597	[7659, 1644]	8366	[9795, 5807]
60	[121, 122]	2829	[4605, 4606]	5598	[7660, 7480]	8367	[9796, 9797]
61	[123, 124]	2830	[4607, 3275]	5599	[4351, 1384]	8368	[2837, 5838]
62	[125, 126]	2831	[4608, 1307]	5600	[3525, 7546]	8369	[793, 1924]
63	[127, 128]	2832	[4609, 4610]	5601	[4799, 7661]	8370	[9798, 2029]
64	[129, 130]	2833	[4611, 4612]	5602	[7662, 1583]	8371	[9799, 9800]
65	[131, 132]	2834	[4613, 4614]	5603	[7663, 3962]	8372	[9682, 9801]
66	[133, 134]	2835	[4615, 4616]	5604	[7664, 7665]	8373	[9802, 654]
67	[135, 136]	2836	[4617, 4618]	5605	[7666, 7667]	8374	[9763, 1859]
68	[137, 138]	2837	[4619, 4620]	5606	[125, 7668]	8375	[9803, 6602]
69	[139, 140]	2838	[1549, 4621]	5607	[7669, 3855]	8376	[9804, 9224]
70	[141, 142]	2839	[3222, 1263]	5608	[84, 4916]	8377	[6074, 5891]
71	[143, 144]	2840	[4622, 3677]	5609	[1597, 7670]	8378	[9705, 9520]
72	[145, 146]	2841	[4623, 1252]	5610	[7497, 7671]	8379	[6356, 6399]
73	[147, 148]	2842	[4624, 1283]	5611	[7672, 7673]	8380	[5161, 5989]
74	[149, 150]	2843	[4625, 4626]	5612	[7674, 7006]	8381	[5342, 6118]
75	[151, 152]	2844	[4627, 1286]	5613	[7675, 123]	8382	[9805, 6309]
76	[153, 154]	2845	[4628, 1624]	5614	[7286, 4953]	8383	[9806, 9704]
77	[155, 156]	2846	[4629, 1266]	5615	[1045, 7676]	8384	[9807, 5425]
78	[157, 158]	2847	[4630, 4631]	5616	[4135, 7677]	8385	[9808, 3106]
79	[159, 160]	2848	[4632, 1257]	5617	[7678, 3950]	8386	[9299, 6849]
80	[161, 162]	2849	[4633, 3797]	5618	[4027, 7528]	8387	[6738, 5889]
81	[163, 164]	2850	[4634, 1716]	5619	[7679, 1500]	8388	[2964, 2084]
82	[165, 166]	2851	[4635, 4610]	5620	[7680, 4705]	8389	[9725, 9450]
83	[167, 168]	2852	[4636, 4637]	5621	[7681, 18]	8390	[9809, 2173]
84	[169, 170]	2853	[3227, 67]	5622	[7624, 7682]	8391	[9810, 9811]
85	[171, 172]	2854	[4638, 3608]	5623	[7683, 4947]	8392	[9505, 9812]
86	[173, 174]	2855	[4639, 92]	5624	[7684, 7685]	8393	[6409, 5798]
87	[175, 176]	2856	[4468, 4640]	5625	[7686, 3945]	8394	[2900, 5829]
88	[177, 178]	2857	[3809, 3653]	5626	[4159, 7687]	8395	[9752, 6745]
89	[179, 180]	2858	[4641, 4642]	5627	[7688, 488]	8396	[809, 5931]
90	[181, 182]	2859	[4080, 4330]	5628	[7689, 4081]	8397	[711, 2712]
91	[183, 184]	2860	[4643, 4644]	5629	[7690, 7691]	8398	[9813, 2030]
92	[185, 186]	2861	[4645, 3621]	5630	[7692, 7042]	8399	[6612, 2726]
93	[187, 188]	2862	[4142, 3390]	5631	[7693, 3405]	8400	[9814, 9815]
94	[189, 190]	2863	[4646, 4647]	5632	[3922, 7045]	8401	[9816, 9311]
95	[191, 192]	2864	[4648, 3900]	5633	[7694, 7695]	8402	[8883, 5497]
96	[193, 194]	2865	[4649, 4650]	5634	[7696, 7697]	8403	[570, 5853]
97	[195, 196]	2866	[4651, 3585]	5635	[4657, 1459]	8404	[8902, 2788]

98	[197, 198]	2867	[4652, 3498]	5636	[7698, 6975]	8405	[9817, 9818]
99	[199, 200]	2868	[4653, 4654]	5637	[7699, 351]	8406	[9819, 9057]
100	[201, 202]	2869	[4033, 4155]	5638	[7700, 7701]	8407	[9088, 9820]
101	[203, 204]	2870	[4655, 3619]	5639	[1634, 7702]	8408	[9821, 632]
102	[205, 206]	2871	[4656, 4657]	5640	[7703, 7596]	8409	[9472, 6485]
103	[207, 208]	2872	[4658, 4659]	5641	[3149, 7704]	8410	[5902, 9822]
104	[209, 210]	2873	[4660, 1112]	5642	[1729, 4406]	8411	[9823, 1962]
105	[211, 212]	2874	[4661, 4662]	5643	[269, 3763]	8412	[9770, 9692]
106	[213, 214]	2875	[4663, 4664]	5644	[4622, 4934]	8413	[9824, 9313]
107	[215, 216]	2876	[4665, 4319]	5645	[7705, 3289]	8414	[9825, 9106]
108	[217, 218]	2877	[1476, 4666]	5646	[7706, 1208]	8415	[9826, 3097]
109	[219, 220]	2878	[4667, 1447]	5647	[7707, 7708]	8416	[857, 2249]
110	[221, 222]	2879	[3798, 4668]	5648	[7709, 1738]	8417	[5398, 6097]
111	[223, 224]	2880	[4669, 4670]	5649	[7710, 1030]	8418	[5679, 9827]
112	[225, 226]	2881	[3725, 4671]	5650	[3542, 7711]	8419	[2326, 9466]
113	[227, 228]	2882	[4672, 4673]	5651	[7533, 3428]	8420	[9828, 9296]
114	[229, 230]	2883	[4674, 3354]	5652	[7456, 7712]	8421	[9829, 5757]
115	[231, 232]	2884	[1532, 4405]	5653	[7098, 3588]	8422	[6261, 5521]
116	[233, 234]	2885	[4675, 4198]	5654	[7713, 3793]	8423	[2042, 8880]
117	[235, 236]	2886	[4676, 4677]	5655	[7714, 7715]	8424	[9830, 6013]
118	[237, 238]	2887	[4678, 4041]	5656	[7018, 4212]	8425	[9831, 8920]
119	[239, 240]	2888	[4679, 4680]	5657	[3820, 7091]	8426	[2375, 9398]
120	[241, 242]	2889	[4681, 4682]	5658	[7716, 7595]	8427	[5545, 4998]
121	[243, 244]	2890	[4182, 1302]	5659	[7717, 3944]	8428	[9832, 8955]
122	[245, 246]	2891	[3456, 4683]	5660	[7718, 7017]	8429	[9833, 9834]
123	[247, 248]	2892	[4684, 4685]	5661	[7719, 7720]	8430	[9835, 2581]
124	[249, 250]	2893	[3647, 4686]	5662	[7721, 7722]	8431	[9836, 2209]
125	[251, 252]	2894	[3166, 1393]	5663	[1232, 7530]	8432	[9837, 6288]
126	[253, 254]	2895	[4687, 3458]	5664	[4930, 7723]	8433	[5786, 2249]
127	[255, 256]	2896	[4688, 3978]	5665	[7724, 1748]	8434	[9264, 5821]
128	[257, 258]	2897	[4689, 4690]	5666	[1741, 7725]	8435	[6479, 5095]
129	[259, 260]	2898	[4691, 4435]	5667	[7726, 4851]	8436	[6641, 9838]
130	[261, 262]	2899	[3206, 4692]	5668	[1541, 7290]	8437	[9839, 9066]
131	[263, 264]	2900	[4693, 4694]	5669	[7727, 7728]	8438	[9482, 6459]
132	[265, 266]	2901	[4695, 106]	5670	[7729, 3895]	8439	[2148, 39]
133	[267, 268]	2902	[4696, 4697]	5671	[7555, 7730]	8440	[2290, 6278]
134	[269, 270]	2903	[4698, 4203]	5672	[3299, 4437]	8441	[2494, 5639]
135	[271, 272]	2904	[4699, 4509]	5673	[1451, 3213]	8442	[5833, 5716]
136	[273, 274]	2905	[4, 4700]	5674	[7731, 7732]	8443	[9840, 5983]
137	[275, 276]	2906	[3368, 4247]	5675	[7394, 1000]	8444	[5397, 6096]
138	[277, 278]	2907	[4671, 1672]	5676	[4465, 7531]	8445	[9841, 3060]
139	[279, 280]	2908	[3755, 4701]	5677	[1257, 7733]	8446	[9842, 3031]
140	[281, 282]	2909	[4702, 4703]	5678	[7734, 7735]	8447	[2325, 214]
141	[283, 284]	2910	[4704, 4705]	5679	[7736, 3391]	8448	[5013, 9488]

142	[285, 286]	2911	[4706, 4707]	5680	[7737, 7738]	8449	[6438, 8952]
143	[287, 288]	2912	[3802, 4708]	5681	[7739, 7740]	8450	[5975, 9843]
144	[289, 290]	2913	[4709, 4710]	5682	[3479, 7642]	8451	[9844, 2797]
145	[291, 292]	2914	[1037, 4711]	5683	[7741, 7742]	8452	[9845, 9846]
146	[293, 294]	2915	[4712, 4431]	5684	[7743, 3776]	8453	[5041, 6757]
147	[295, 296]	2916	[4713, 1664]	5685	[3859, 3911]	8454	[9847, 9174]
148	[297, 298]	2917	[1256, 28]	5686	[7472, 7744]	8455	[9848, 9849]
149	[299, 300]	2918	[84, 1089]	5687	[7745, 4606]	8456	[6939, 9510]
150	[301, 302]	2919	[4714, 4044]	5688	[420, 3960]	8457	[715, 2826]
151	[303, 304]	2920	[4715, 3373]	5689	[1676, 7746]	8458	[602, 2786]
152	[305, 306]	2921	[1129, 4716]	5690	[7747, 1203]	8459	[9850, 5680]
153	[307, 308]	2922	[1391, 4717]	5691	[7748, 7749]	8460	[9851, 9263]
154	[309, 310]	2923	[444, 4718]	5692	[7750, 7110]	8461	[9852, 9853]
155	[311, 73]	2924	[4719, 4363]	5693	[7751, 4184]	8462	[249, 5139]
156	[312, 313]	2925	[4720, 4470]	5694	[7752, 7753]	8463	[9854, 3116]
157	[314, 315]	2926	[4393, 4721]	5695	[7754, 3176]	8464	[9855, 5881]
158	[316, 317]	2927	[4722, 3176]	5696	[7755, 7624]	8465	[9856, 2401]
159	[318, 319]	2928	[4723, 4351]	5697	[4933, 3677]	8466	[9857, 2794]
160	[320, 321]	2929	[1309, 4724]	5698	[4776, 3421]	8467	[6170, 4982]
161	[322, 323]	2930	[4725, 4726]	5699	[997, 7756]	8468	[9799, 2950]
162	[324, 325]	2931	[4727, 1703]	5700	[7757, 4338]	8469	[2752, 9774]
163	[326, 327]	2932	[4497, 4728]	5701	[7758, 7288]	8470	[9858, 9596]
164	[328, 329]	2933	[4729, 3338]	5702	[4158, 4852]	8471	[9859, 5895]
165	[330, 331]	2934	[4730, 1744]	5703	[7759, 494]	8472	[6463, 5571]
166	[332, 333]	2935	[4731, 4732]	5704	[4297, 7760]	8473	[9860, 9861]
167	[334, 335]	2936	[4733, 4734]	5705	[3605, 7761]	8474	[6376, 9429]
168	[336, 337]	2937	[4735, 1165]	5706	[7762, 7763]	8475	[2121, 9862]
169	[338, 339]	2938	[4736, 3397]	5707	[7764, 309]	8476	[178, 5368]
170	[340, 341]	2939	[4737, 1248]	5708	[358, 278]	8477	[9863, 2173]
171	[342, 343]	2940	[4002, 3549]	5709	[7765, 4583]	8478	[6243, 1984]
172	[344, 345]	2941	[4738, 3600]	5710	[7766, 4402]	8479	[5574, 1962]
173	[346, 347]	2942	[3610, 4345]	5711	[4697, 478]	8480	[2010, 5272]
174	[348, 349]	2943	[3475, 4493]	5712	[7767, 7768]	8481	[9864, 5499]
175	[350, 351]	2944	[4739, 3598]	5713	[1413, 7340]	8482	[9865, 2654]
176	[352, 353]	2945	[3306, 4464]	5714	[7769, 1255]	8483	[9866, 5151]
177	[354, 355]	2946	[4740, 1203]	5715	[7770, 3546]	8484	[9867, 6296]
178	[356, 357]	2947	[4741, 4742]	5716	[7771, 3259]	8485	[9753, 2999]
179	[358, 359]	2948	[4743, 4744]	5717	[280, 7772]	8486	[9868, 955]
180	[360, 361]	2949	[3831, 1078]	5718	[7773, 4302]	8487	[9869, 185]
181	[362, 76]	2950	[4745, 4746]	5719	[4549, 7774]	8488	[9870, 5471]
182	[363, 364]	2951	[4747, 3232]	5720	[7775, 3923]	8489	[3044, 2628]
183	[365, 366]	2952	[1705, 109]	5721	[1580, 95]	8490	[5482, 2501]
184	[364, 367]	2953	[4748, 4749]	5722	[4053, 7379]	8491	[9871, 5291]
185	[368, 369]	2954	[422, 4750]	5723	[7776, 7777]	8492	[2005, 9872]

186	[370, 371]	2955	[4751, 4752]	5724	[7778, 7779]	8493	[5899, 9820]
187	[372, 373]	2956	[4753, 1597]	5725	[7780, 7781]	8494	[8865, 2794]
188	[374, 375]	2957	[4754, 1463]	5726	[3230, 7668]	8495	[9873, 2418]
189	[376, 377]	2958	[4755, 4756]	5727	[7685, 1079]	8496	[9874, 5516]
190	[378, 379]	2959	[1589, 4757]	5728	[438, 7395]	8497	[6575, 5813]
191	[380, 381]	2960	[4758, 3813]	5729	[7782, 3771]	8498	[9875, 9166]
192	[382, 383]	2961	[3939, 4759]	5730	[7783, 3887]	8499	[9876, 5871]
193	[384, 385]	2962	[4760, 4761]	5731	[7784, 7785]	8500	[9877, 5652]
194	[386, 387]	2963	[4762, 4763]	5732	[7786, 7787]	8501	[6552, 9162]
195	[388, 389]	2964	[4764, 3585]	5733	[7788, 7789]	8502	[9878, 9244]
196	[390, 391]	2965	[3919, 4765]	5734	[7790, 7791]	8503	[9730, 9879]
197	[392, 393]	2966	[4766, 4767]	5735	[7792, 4720]	8504	[8924, 2494]
198	[394, 395]	2967	[4768, 4769]	5736	[7793, 4893]	8505	[5231, 2936]
199	[396, 397]	2968	[1701, 3955]	5737	[7794, 7795]	8506	[9880, 5430]
200	[398, 399]	2969	[4770, 4771]	5738	[7796, 4341]	8507	[9649, 6628]
201	[400, 401]	2970	[3888, 4772]	5739	[7797, 4408]	8508	[9881, 650]
202	[402, 403]	2971	[4773, 4774]	5740	[7798, 3723]	8509	[9570, 5993]
203	[404, 405]	2972	[4775, 3949]	5741	[7799, 383]	8510	[2683, 9025]
204	[406, 407]	2973	[4776, 3142]	5742	[7800, 1513]	8511	[9661, 9508]
205	[408, 409]	2974	[4777, 4778]	5743	[7271, 3841]	8512	[6428, 2045]
206	[410, 411]	2975	[4779, 329]	5744	[1116, 7801]	8513	[9882, 2711]
207	[412, 413]	2976	[4780, 4556]	5745	[7802, 7803]	8514	[9199, 5267]
208	[414, 415]	2977	[4781, 1650]	5746	[7804, 3668]	8515	[9883, 9778]
209	[102, 416]	2978	[4782, 4783]	5747	[7805, 4797]	8516	[5580, 6811]
210	[417, 418]	2979	[1364, 423]	5748	[7806, 1297]	8517	[9884, 9015]
211	[419, 420]	2980	[4784, 496]	5749	[7807, 4462]	8518	[2453, 8813]
212	[421, 422]	2981	[4785, 3692]	5750	[7808, 3721]	8519	[9741, 9885]
213	[423, 424]	2982	[4786, 4787]	5751	[1730, 7809]	8520	[9886, 3040]
214	[268, 258]	2983	[4788, 4789]	5752	[1427, 7728]	8521	[9887, 8905]
215	[425, 426]	2984	[4790, 3388]	5753	[4046, 3596]	8522	[9888, 5395]
216	[427, 428]	2985	[4791, 414]	5754	[3145, 7810]	8523	[9889, 5344]
217	[429, 430]	2986	[4792, 4793]	5755	[7811, 7812]	8524	[5214, 2810]
218	[70, 431]	2987	[4592, 4794]	5756	[7813, 448]	8525	[5155, 1932]
219	[432, 433]	2988	[4795, 4098]	5757	[7814, 4164]	8526	[9890, 5483]
220	[434, 435]	2989	[3972, 4796]	5758	[7815, 4000]	8527	[5684, 9423]
221	[436, 437]	2990	[1273, 4797]	5759	[7816, 7817]	8528	[6651, 5284]
222	[438, 439]	2991	[4798, 4048]	5760	[7818, 7516]	8529	[2172, 2618]
223	[440, 441]	2992	[1296, 1063]	5761	[7819, 4910]	8530	[5368, 2290]
224	[442, 443]	2993	[4339, 4799]	5762	[7820, 3523]	8531	[2243, 1892]
225	[444, 445]	2994	[4800, 4562]	5763	[7821, 4102]	8532	[9891, 2047]
226	[446, 447]	2995	[4801, 316]	5764	[4606, 7822]	8533	[9654, 9892]
227	[448, 449]	2996	[4802, 4726]	5765	[7823, 4892]	8534	[8967, 5216]
228	[450, 451]	2997	[4803, 1108]	5766	[7824, 7768]	8535	[9791, 2742]
229	[452, 453]	2998	[4804, 4288]	5767	[7825, 3787]	8536	[9893, 9894]

230	[454, 455]	2999	[4805, 3681]	5768	[4808, 1034]	8537	[6751, 2480]
231	[456, 457]	3000	[4806, 3683]	5769	[1186, 4093]	8538	[9895, 889]
232	[458, 459]	3001	[4807, 3699]	5770	[7826, 1716]	8539	[615, 2848]
233	[460, 461]	3002	[4808, 462]	5771	[7827, 287]	8540	[9896, 6848]
234	[462, 463]	3003	[4809, 4673]	5772	[7828, 3292]	8541	[9897, 1800]
235	[464, 465]	3004	[1313, 4810]	5773	[7829, 7616]	8542	[5451, 5108]
236	[466, 467]	3005	[1620, 4811]	5774	[7830, 7831]	8543	[9898, 9899]
237	[468, 469]	3006	[4812, 4430]	5775	[7781, 7356]	8544	[1976, 2479]
238	[470, 471]	3007	[4813, 3199]	5776	[7832, 3707]	8545	[9900, 3069]
239	[472, 473]	3008	[4814, 1175]	5777	[3181, 7833]	8546	[2078, 6649]
240	[474, 475]	3009	[4815, 3815]	5778	[3139, 4937]	8547	[5463, 2551]
241	[476, 477]	3010	[4256, 3266]	5779	[7834, 7835]	8548	[9901, 9639]
242	[478, 479]	3011	[4816, 3719]	5780	[7836, 3757]	8549	[9902, 6306]
243	[480, 481]	3012	[4817, 17]	5781	[3286, 6980]	8550	[2616, 5544]
244	[482, 422]	3013	[3776, 3986]	5782	[1538, 7837]	8551	[8926, 5153]
245	[483, 484]	3014	[4818, 3811]	5783	[1502, 7271]	8552	[9903, 6624]
246	[485, 486]	3015	[4819, 3962]	5784	[4132, 102]	8553	[6588, 6568]
247	[487, 488]	3016	[1688, 4820]	5785	[7838, 3249]	8554	[9828, 5953]
248	[489, 490]	3017	[1430, 4821]	5786	[4664, 7305]	8555	[2159, 2283]
249	[491, 492]	3018	[4822, 4823]	5787	[7839, 305]	8556	[9904, 5998]
250	[493, 494]	3019	[1039, 4807]	5788	[7840, 7841]	8557	[9905, 2612]
251	[495, 496]	3020	[4824, 4825]	5789	[7711, 7061]	8558	[1984, 6490]
252	[497, 498]	3021	[3152, 4826]	5790	[7842, 3802]	8559	[9906, 6394]
253	[499, 500]	3022	[4827, 4828]	5791	[3365, 7843]	8560	[6000, 9387]
254	[501, 502]	3023	[4829, 3257]	5792	[7844, 7845]	8561	[9907, 2857]
255	[503, 504]	3024	[4044, 4830]	5793	[4296, 3989]	8562	[2503, 6356]
256	[505, 506]	3025	[4352, 3501]	5794	[7846, 7430]	8563	[5113, 2620]
257	[507, 508]	3026	[3635, 3717]	5795	[4495, 7192]	8564	[2623, 5384]
258	[509, 510]	3027	[3641, 1072]	5796	[7847, 1043]	8565	[4990, 9812]
259	[511, 512]	3028	[4831, 4832]	5797	[7848, 7849]	8566	[9247, 9908]
260	[513, 514]	3029	[4833, 3528]	5798	[7850, 120]	8567	[738, 6146]
261	[515, 516]	3030	[4834, 4835]	5799	[7516, 3927]	8568	[5591, 6932]
262	[517, 518]	3031	[4836, 4837]	5800	[7851, 7521]	8569	[9909, 8945]
263	[519, 520]	3032	[4838, 4839]	5801	[3548, 1702]	8570	[9910, 6902]
264	[521, 522]	3033	[3757, 4840]	5802	[7852, 7853]	8571	[9911, 3137]
265	[523, 524]	3034	[4841, 4842]	5803	[7854, 7855]	8572	[9912, 2102]
266	[525, 526]	3035	[4843, 3925]	5804	[991, 4898]	8573	[9913, 6930]
267	[527, 528]	3036	[4844, 122]	5805	[7856, 467]	8574	[9243, 9914]
268	[529, 530]	3037	[3202, 3536]	5806	[4189, 7857]	8575	[9915, 5339]
269	[531, 532]	3038	[4845, 4846]	5807	[983, 1796]	8576	[9916, 9917]
270	[533, 534]	3039	[4847, 3661]	5808	[7858, 1412]	8577	[2762, 9063]
271	[535, 536]	3040	[4848, 1146]	5809	[295, 7859]	8578	[6112, 9019]
272	[537, 538]	3041	[3618, 4292]	5810	[7860, 4793]	8579	[5200, 543]
273	[539, 540]	3042	[4849, 3150]	5811	[7861, 7519]	8580	[9918, 6902]

274	[541, 542]	3043	[4850, 4851]	5812	[7862, 1644]	8581	[9848, 5825]
275	[543, 544]	3044	[3593, 4852]	5813	[4687, 3706]	8582	[9919, 6233]
276	[545, 546]	3045	[4853, 3936]	5814	[7863, 4596]	8583	[2394, 2006]
277	[547, 548]	3046	[4854, 1030]	5815	[3341, 7516]	8584	[9920, 8958]
278	[549, 550]	3047	[4855, 4856]	5816	[4071, 3595]	8585	[9921, 2583]
279	[551, 552]	3048	[4857, 3664]	5817	[4640, 7791]	8586	[6114, 9922]
280	[553, 136]	3049	[4858, 4859]	5818	[3688, 7425]	8587	[9923, 9924]
281	[554, 555]	3050	[1281, 4860]	5819	[4799, 7864]	8588	[9925, 760]
282	[556, 557]	3051	[3558, 1116]	5820	[7865, 4637]	8589	[2796, 2428]
283	[558, 128]	3052	[4861, 1388]	5821	[1531, 4404]	8590	[9926, 2453]
284	[559, 560]	3053	[4862, 4863]	5822	[7866, 1092]	8591	[9539, 189]
285	[561, 562]	3054	[4864, 3372]	5823	[7867, 7868]	8592	[9927, 6367]
286	[563, 564]	3055	[4865, 4866]	5824	[7869, 7226]	8593	[2264, 2346]
287	[565, 566]	3056	[416, 4867]	5825	[7870, 4449]	8594	[9648, 5630]
288	[567, 568]	3057	[4868, 4468]	5826	[4839, 7186]	8595	[2742, 823]
289	[569, 49]	3058	[4869, 4870]	5827	[7724, 7871]	8596	[9928, 589]
290	[570, 571]	3059	[4871, 4872]	5828	[7872, 3563]	8597	[9738, 9929]
291	[572, 573]	3060	[4873, 1592]	5829	[7873, 7874]	8598	[9930, 9815]
292	[574, 575]	3061	[4874, 4875]	5830	[7875, 7322]	8599	[9931, 9292]
293	[576, 577]	3062	[4876, 4877]	5831	[3943, 7581]	8600	[6396, 6096]
294	[578, 579]	3063	[3314, 4878]	5832	[7876, 7877]	8601	[5866, 9677]
295	[580, 581]	3064	[4879, 3727]	5833	[7878, 3213]	8602	[9572, 6510]
296	[582, 583]	3065	[4880, 4881]	5834	[7879, 7880]	8603	[5640, 2925]
297	[584, 585]	3066	[4882, 1770]	5835	[7881, 3542]	8604	[5239, 9211]
298	[586, 587]	3067	[4883, 4884]	5836	[7882, 7883]	8605	[9932, 9933]
299	[588, 589]	3068	[4614, 1160]	5837	[7884, 4271]	8606	[9934, 9935]
300	[590, 591]	3069	[4885, 1610]	5838	[7885, 7795]	8607	[5135, 6452]
301	[592, 593]	3070	[3375, 1351]	5839	[7886, 7293]	8608	[9936, 5578]
302	[594, 595]	3071	[4886, 4887]	5840	[7887, 7888]	8609	[9937, 5239]
303	[596, 597]	3072	[4816, 376]	5841	[1651, 3839]	8610	[5321, 9938]
304	[598, 599]	3073	[3338, 4888]	5842	[7889, 3339]	8611	[2704, 6455]
305	[600, 601]	3074	[4889, 4890]	5843	[3, 4102]	8612	[651, 6498]
306	[602, 603]	3075	[4891, 4892]	5844	[3159, 7890]	8613	[5527, 3131]
307	[604, 605]	3076	[4893, 4894]	5845	[7891, 7892]	8614	[9939, 715]
308	[606, 607]	3077	[4895, 4896]	5846	[7223, 7893]	8615	[9940, 9941]
309	[608, 609]	3078	[4897, 4898]	5847	[7894, 3983]	8616	[9806, 9942]
310	[610, 611]	3079	[4899, 1435]	5848	[7895, 1341]	8617	[9787, 762]
311	[612, 149]	3080	[473, 4900]	5849	[7896, 7897]	8618	[5970, 2394]
312	[613, 614]	3081	[4901, 4902]	5850	[7898, 7557]	8619	[9943, 3107]
313	[615, 616]	3082	[3911, 1348]	5851	[7831, 7068]	8620	[9017, 9724]
314	[585, 617]	3083	[3295, 4903]	5852	[7899, 7030]	8621	[3131, 2287]
315	[587, 132]	3084	[1509, 4157]	5853	[7216, 4480]	8622	[9944, 6237]
316	[618, 619]	3085	[1511, 4904]	5854	[7900, 7901]	8623	[2159, 5147]
317	[620, 621]	3086	[455, 4905]	5855	[3220, 7902]	8624	[6284, 5537]

318	[622, 623]	3087	[4906, 4907]	5856	[3829, 3567]	8625	[9945, 5808]
319	[624, 625]	3088	[4908, 1292]	5857	[1487, 7903]	8626	[2154, 6838]
320	[626, 627]	3089	[4909, 4910]	5858	[7361, 1039]	8627	[6255, 6352]
321	[628, 629]	3090	[4911, 4912]	5859	[7904, 7274]	8628	[2374, 5332]
322	[630, 631]	3091	[1508, 4913]	5860	[3544, 7905]	8629	[8905, 2687]
323	[632, 633]	3092	[288, 1561]	5861	[7906, 7907]	8630	[9433, 6213]
324	[634, 635]	3093	[4914, 4915]	5862	[7908, 308]	8631	[1888, 5781]
325	[636, 637]	3094	[4916, 4917]	5863	[276, 4711]	8632	[2567, 8994]
326	[638, 639]	3095	[1682, 971]	5864	[4737, 7909]	8633	[6872, 2341]
327	[640, 641]	3096	[4918, 3260]	5865	[3280, 7910]	8634	[9430, 5952]
328	[642, 643]	3097	[4919, 3630]	5866	[7088, 1785]	8635	[9946, 2253]
329	[239, 644]	3098	[4920, 4921]	5867	[4869, 1660]	8636	[5701, 2461]
330	[645, 646]	3099	[332, 4922]	5868	[7911, 3586]	8637	[5926, 1932]
331	[647, 648]	3100	[4923, 4778]	5869	[7725, 4244]	8638	[9947, 176]
332	[649, 599]	3101	[4924, 3968]	5870	[4641, 7912]	8639	[5070, 8926]
333	[650, 651]	3102	[4925, 4926]	5871	[7913, 999]	8640	[9948, 6525]
334	[651, 652]	3103	[4060, 4927]	5872	[1572, 7447]	8641	[6584, 2461]
335	[653, 654]	3104	[4889, 4928]	5873	[4437, 7914]	8642	[9949, 5731]
336	[655, 656]	3105	[4929, 4930]	5874	[7915, 4865]	8643	[888, 9950]
337	[657, 634]	3106	[4931, 4325]	5875	[7916, 7917]	8644	[2131, 9296]
338	[658, 659]	3107	[4932, 3946]	5876	[7918, 4886]	8645	[9951, 4997]
339	[660, 661]	3108	[4933, 4934]	5877	[7919, 1579]	8646	[9952, 6681]
340	[662, 663]	3109	[4935, 4936]	5878	[7920, 7921]	8647	[5300, 9953]
341	[664, 665]	3110	[4937, 3671]	5879	[7922, 3277]	8648	[9954, 9218]
342	[666, 667]	3111	[3674, 4938]	5880	[7923, 7924]	8649	[9955, 9956]
343	[668, 669]	3112	[377, 4814]	5881	[7843, 7925]	8650	[9957, 9958]
344	[670, 671]	3113	[4939, 361]	5882	[7926, 4848]	8651	[5140, 9822]
345	[672, 673]	3114	[4940, 1285]	5883	[461, 7140]	8652	[9959, 5796]
346	[674, 675]	3115	[4941, 4942]	5884	[7927, 4965]	8653	[9782, 9505]
347	[676, 677]	3116	[4943, 4944]	5885	[7928, 7338]	8654	[9960, 3075]
348	[678, 679]	3117	[4945, 4946]	5886	[3816, 7421]	8655	[5477, 6968]
349	[680, 681]	3118	[4947, 4948]	5887	[7929, 7930]	8656	[6513, 5900]
350	[682, 683]	3119	[4949, 1553]	5888	[7931, 7647]	8657	[9961, 9962]
351	[684, 685]	3120	[4950, 4951]	5889	[7932, 4053]	8658	[5265, 9677]
352	[686, 687]	3121	[1505, 1784]	5890	[7933, 7934]	8659	[9237, 9938]
353	[688, 689]	3122	[4091, 4952]	5891	[7935, 4694]	8660	[5650, 534]
354	[690, 691]	3123	[4953, 3372]	5892	[7936, 1581]	8661	[5948, 576]
355	[692, 693]	3124	[4954, 4947]	5893	[7937, 7938]	8662	[2438, 5492]
356	[694, 695]	3125	[4955, 4592]	5894	[7939, 4280]	8663	[2042, 9561]
357	[696, 697]	3126	[4956, 3872]	5895	[4903, 7362]	8664	[6819, 6533]
358	[698, 699]	3127	[4209, 4957]	5896	[999, 1344]	8665	[6767, 9963]
359	[700, 701]	3128	[4958, 1376]	5897	[3793, 7940]	8666	[9964, 5753]
360	[702, 636]	3129	[4959, 290]	5898	[4582, 7534]	8667	[9965, 9966]
361	[703, 704]	3130	[1630, 4757]	5899	[7941, 4011]	8668	[5972, 3072]

362	[705, 706]	3131	[4960, 453]	5900	[7942, 7943]	8669	[9327, 6539]
363	[707, 708]	3132	[4961, 4886]	5901	[1363, 7234]	8670	[9967, 3032]
364	[709, 710]	3133	[4962, 4963]	5902	[7944, 4232]	8671	[9968, 9281]
365	[711, 712]	3134	[4964, 4965]	5903	[7945, 1692]	8672	[2890, 547]
366	[713, 714]	3135	[4966, 4967]	5904	[3826, 7722]	8673	[8824, 2935]
367	[715, 716]	3136	[3779, 4968]	5905	[7946, 4414]	8674	[2960, 2125]
368	[717, 718]	3137	[4969, 3455]	5906	[7947, 7948]	8675	[9903, 6138]
369	[719, 720]	3138	[4970, 4971]	5907	[3684, 7918]	8676	[8810, 2357]
370	[721, 722]	3139	[4972, 4973]	5908	[7949, 7938]	8677	[9969, 5449]
371	[723, 724]	3140	[4974, 4975]	5909	[7950, 7951]	8678	[5154, 2828]
372	[725, 726]	3141	[4976, 1827]	5910	[7952, 1099]	8679	[5331, 2375]
373	[695, 727]	3142	[4977, 4978]	5911	[4097, 4018]	8680	[9970, 9403]
374	[728, 729]	3143	[4979, 4980]	5912	[4273, 4671]	8681	[9527, 8884]
375	[730, 731]	3144	[4981, 4982]	5913	[4359, 4065]	8682	[9971, 5323]
376	[732, 733]	3145	[4983, 544]	5914	[7953, 7954]	8683	[5038, 9972]
377	[734, 735]	3146	[4984, 2019]	5915	[1325, 112]	8684	[6810, 9973]
378	[736, 737]	3147	[4985, 2771]	5916	[7955, 7956]	8685	[9909, 674]
379	[738, 165]	3148	[4986, 2838]	5917	[7280, 1083]	8686	[2229, 1860]
380	[739, 740]	3149	[4987, 880]	5918	[6, 3611]	8687	[9974, 2465]
381	[741, 742]	3150	[661, 4988]	5919	[7957, 4926]	8688	[5468, 9593]
382	[743, 744]	3151	[4989, 4990]	5920	[3262, 4275]	8689	[6687, 5956]
383	[681, 745]	3152	[4991, 4992]	5921	[3658, 7958]	8690	[6462, 610]
384	[746, 747]	3153	[763, 4993]	5922	[7959, 4175]	8691	[2184, 9289]
385	[748, 749]	3154	[4994, 4995]	5923	[7960, 1107]	8692	[9975, 9694]
386	[750, 751]	3155	[4996, 4997]	5924	[7961, 7962]	8693	[9363, 2665]
387	[752, 753]	3156	[534, 723]	5925	[7963, 4252]	8694	[2332, 5831]
388	[754, 755]	3157	[4998, 4999]	5926	[7964, 4683]	8695	[9596, 9381]
389	[756, 757]	3158	[5000, 5001]	5927	[3865, 1173]	8696	[9641, 2756]
390	[758, 759]	3159	[5002, 2665]	5928	[4340, 7864]	8697	[9976, 6205]
391	[760, 761]	3160	[5003, 5004]	5929	[7965, 1528]	8698	[9977, 9924]
392	[762, 763]	3161	[5005, 2215]	5930	[4547, 1106]	8699	[2481, 9235]
393	[764, 765]	3162	[5006, 5007]	5931	[7276, 1433]	8700	[2320, 2017]
394	[766, 767]	3163	[5008, 1944]	5932	[7966, 7967]	8701	[9978, 6794]
395	[768, 538]	3164	[5009, 52]	5933	[7968, 7969]	8702	[792, 9973]
396	[769, 770]	3165	[5010, 5011]	5934	[7970, 98]	8703	[693, 533]
397	[771, 772]	3166	[5012, 5013]	5935	[3457, 7971]	8704	[5589, 931]
398	[773, 774]	3167	[5014, 5015]	5936	[1561, 4479]	8705	[2040, 4987]
399	[775, 776]	3168	[5016, 5017]	5937	[7972, 1502]	8706	[9979, 9618]
400	[777, 778]	3169	[2531, 5018]	5938	[7973, 7382]	8707	[8966, 917]
401	[779, 780]	3170	[2778, 3122]	5939	[7974, 3569]	8708	[9980, 9811]
402	[781, 782]	3171	[5019, 5020]	5940	[421, 3734]	8709	[9059, 6569]
403	[783, 784]	3172	[2300, 5021]	5941	[7975, 4912]	8710	[2645, 5974]
404	[785, 786]	3173	[5022, 5023]	5942	[7976, 1085]	8711	[9140, 794]
405	[787, 788]	3174	[5024, 2866]	5943	[7977, 3168]	8712	[9564, 165]

406	[789, 790]	3175	[5025, 5026]	5944	[7978, 4108]	8713	[9981, 9956]
407	[791, 792]	3176	[5027, 5028]	5945	[340, 7343]	8714	[9982, 9983]
408	[793, 794]	3177	[5029, 2960]	5946	[7979, 1013]	8715	[9984, 9195]
409	[795, 796]	3178	[5030, 861]	5947	[7374, 7980]	8716	[9985, 9122]
410	[797, 768]	3179	[5031, 5032]	5948	[7981, 4370]	8717	[2475, 9328]
411	[798, 799]	3180	[5033, 5034]	5949	[7982, 4139]	8718	[9986, 2421]
412	[800, 801]	3181	[1878, 5035]	5950	[7983, 1448]	8719	[9987, 2429]
413	[802, 803]	3182	[5036, 249]	5951	[7984, 3212]	8720	[9988, 9746]
414	[804, 805]	3183	[5037, 633]	5952	[1486, 7985]	8721	[9989, 9990]
415	[806, 807]	3184	[5038, 5039]	5953	[7986, 7167]	8722	[6541, 3108]
416	[808, 809]	3185	[5040, 5041]	5954	[7987, 7181]	8723	[9010, 626]
417	[810, 811]	3186	[5042, 3027]	5955	[7988, 7031]	8724	[6266, 9991]
418	[812, 813]	3187	[581, 5043]	5956	[7989, 4299]	8725	[9992, 9776]
419	[814, 815]	3188	[2083, 5044]	5957	[7654, 7582]	8726	[9993, 9917]
420	[816, 817]	3189	[5045, 5046]	5958	[7990, 3729]	8727	[5654, 6497]
421	[133, 818]	3190	[58, 5047]	5959	[7991, 4724]	8728	[9994, 2604]
422	[819, 820]	3191	[5048, 2257]	5960	[3857, 4562]	8729	[9333, 2226]
423	[821, 822]	3192	[3092, 830]	5961	[7992, 7993]	8730	[9995, 1917]
424	[823, 824]	3193	[136, 5049]	5962	[3284, 4640]	8731	[5921, 6201]
425	[680, 825]	3194	[5050, 2410]	5963	[7994, 7995]	8732	[9996, 2806]
426	[826, 827]	3195	[5051, 5052]	5964	[7996, 4523]	8733	[9875, 9391]
427	[828, 829]	3196	[5053, 5054]	5965	[7997, 7746]	8734	[5202, 9700]
428	[830, 831]	3197	[5055, 3056]	5966	[3993, 7888]	8735	[6313, 9997]
429	[832, 833]	3198	[2760, 5056]	5967	[7998, 7706]	8736	[9998, 9413]
430	[186, 834]	3199	[2989, 2442]	5968	[7999, 29]	8737	[9999, 9529]
431	[140, 835]	3200	[688, 5057]	5969	[8000, 3319]	8738	[8964, 2095]
432	[836, 837]	3201	[5058, 5059]	5970	[8001, 8002]	8739	[6064, 6933]
433	[838, 839]	3202	[2838, 5060]	5971	[8003, 4018]	8740	[2777, 5001]
434	[840, 841]	3203	[5061, 1958]	5972	[8004, 3702]	8741	[10000, 9966]
435	[842, 843]	3204	[5062, 5063]	5973	[4237, 1107]	8742	[6594, 966]
436	[844, 845]	3205	[5064, 5065]	5974	[4368, 8005]	8743	[10001, 9457]
437	[846, 847]	3206	[5066, 5067]	5975	[4292, 8006]	8744	[10002, 6367]
438	[848, 849]	3207	[5068, 5069]	5976	[302, 1150]	8745	[10003, 133]
439	[850, 851]	3208	[834, 2412]	5977	[8007, 7380]	8746	[9669, 9953]
440	[852, 853]	3209	[5070, 5071]	5978	[8008, 7779]	8747	[10004, 2603]
441	[854, 855]	3210	[5072, 5073]	5979	[8009, 8010]	8748	[9045, 9251]
442	[856, 857]	3211	[5074, 2823]	5980	[8011, 8012]	8749	[5656, 3016]
443	[858, 859]	3212	[5075, 5076]	5981	[7027, 3746]	8750	[3135, 6570]
444	[860, 861]	3213	[5077, 2240]	5982	[8013, 992]	8751	[686, 6021]
445	[862, 863]	3214	[2457, 5078]	5983	[8014, 7066]	8752	[10005, 6801]
446	[864, 865]	3215	[5079, 2862]	5984	[8015, 324]	8753	[10006, 2020]
447	[866, 867]	3216	[577, 5080]	5985	[8016, 3446]	8754	[908, 6900]
448	[868, 869]	3217	[5081, 5082]	5986	[4915, 4064]	8755	[8811, 9033]
449	[870, 871]	3218	[591, 2773]	5987	[3600, 345]	8756	[10007, 6381]

450	[872, 873]	3219	[5083, 5084]	5988	[8017, 7817]	8757	[2693, 603]
451	[874, 875]	3220	[5085, 5086]	5989	[8018, 7127]	8758	[9925, 2723]
452	[876, 877]	3221	[2196, 5087]	5990	[8019, 8020]	8759	[2656, 5549]
453	[878, 250]	3222	[5088, 5067]	5991	[4588, 4336]	8760	[936, 5289]
454	[879, 880]	3223	[5089, 5090]	5992	[7895, 8021]	8761	[2504, 6399]
455	[881, 882]	3224	[5091, 5092]	5993	[7916, 7702]	8762	[10008, 5609]
456	[883, 884]	3225	[5093, 5094]	5994	[3536, 4138]	8763	[9985, 1855]
457	[885, 886]	3226	[5095, 2289]	5995	[8022, 8023]	8764	[2060, 5467]
458	[887, 888]	3227	[5096, 2853]	5996	[1481, 462]	8765	[870, 6608]
459	[889, 890]	3228	[792, 5097]	5997	[8024, 8025]	8766	[6484, 9473]
460	[891, 892]	3229	[207, 5098]	5998	[8026, 1226]	8767	[10009, 9853]
461	[893, 587]	3230	[5099, 5100]	5999	[7671, 3536]	8768	[10010, 5432]
462	[894, 895]	3231	[5101, 5102]	6000	[8027, 8028]	8769	[1872, 6055]
463	[896, 897]	3232	[5103, 5104]	6001	[1681, 7670]	8770	[10011, 5438]
464	[898, 899]	3233	[5105, 5106]	6002	[8029, 1232]	8771	[10012, 5863]
465	[900, 901]	3234	[5107, 5108]	6003	[8030, 8031]	8772	[2010, 10013]
466	[902, 903]	3235	[2499, 2301]	6004	[8032, 1545]	8773	[10014, 2359]
467	[904, 905]	3236	[5109, 5110]	6005	[8033, 4035]	8774	[5107, 8910]
468	[906, 907]	3237	[5111, 5112]	6006	[8034, 357]	8775	[10015, 53]
469	[908, 846]	3238	[5113, 5114]	6007	[7023, 473]	8776	[616, 2352]
470	[909, 910]	3239	[5115, 5116]	6008	[8035, 7758]	8777	[8867, 2020]
471	[911, 152]	3240	[5117, 2927]	6009	[8036, 7174]	8778	[10016, 3003]
472	[912, 913]	3241	[178, 696]	6010	[8037, 8038]	8779	[10017, 10018]
473	[914, 915]	3242	[2854, 3068]	6011	[1432, 8039]	8780	[10019, 8891]
474	[916, 917]	3243	[5118, 2043]	6012	[8040, 7883]	8781	[9663, 10020]
475	[918, 919]	3244	[3101, 5119]	6013	[8041, 3893]	8782	[5184, 9656]
476	[920, 921]	3245	[5120, 740]	6014	[7796, 3742]	8783	[10021, 6535]
477	[922, 923]	3246	[2913, 2171]	6015	[8042, 7190]	8784	[10022, 6883]
478	[924, 925]	3247	[798, 5121]	6016	[8043, 8044]	8785	[6721, 2717]
479	[926, 927]	3248	[2369, 1985]	6017	[8045, 7958]	8786	[10023, 10024]
480	[928, 929]	3249	[5122, 5123]	6018	[8046, 4354]	8787	[3038, 10025]
481	[930, 931]	3250	[5124, 5125]	6019	[1769, 7622]	8788	[9623, 9556]
482	[932, 933]	3251	[629, 5126]	6020	[8047, 7763]	8789	[5075, 6014]
483	[934, 935]	3252	[5127, 5128]	6021	[8048, 8049]	8790	[2642, 10026]
484	[936, 937]	3253	[5129, 5130]	6022	[8050, 3560]	8791	[9730, 10027]
485	[938, 849]	3254	[5131, 696]	6023	[4890, 4678]	8792	[2925, 10028]
486	[939, 940]	3255	[5132, 5133]	6024	[8051, 4377]	8793	[5593, 5837]
487	[941, 942]	3256	[214, 5072]	6025	[7589, 975]	8794	[10029, 1811]
488	[943, 944]	3257	[5134, 518]	6026	[8052, 107]	8795	[10030, 1833]
489	[945, 946]	3258	[5135, 5136]	6027	[8053, 117]	8796	[10031, 778]
490	[947, 948]	3259	[2253, 5137]	6028	[7738, 1773]	8797	[10032, 9262]
491	[949, 950]	3260	[5138, 3014]	6029	[7560, 8054]	8798	[10033, 5784]
492	[951, 952]	3261	[5139, 5140]	6030	[8055, 8056]	8799	[2504, 1881]
493	[953, 954]	3262	[5141, 5142]	6031	[8057, 1154]	8800	[10034, 4401]

494	[955, 956]	3263	[2513, 844]	6032	[8058, 3435]	8801	[10035, 1389]
495	[957, 958]	3264	[601, 2859]	6033	[4202, 7265]	8802	[10036, 1696]
496	[959, 960]	3265	[2113, 5143]	6034	[8059, 7897]	8803	[10037, 10038]
497	[961, 962]	3266	[2399, 157]	6035	[8060, 8061]	8804	[4300, 3524]
498	[963, 964]	3267	[5144, 5145]	6036	[4673, 8062]	8805	[10039, 10040]
499	[710, 965]	3268	[2659, 5146]	6037	[500, 7243]	8806	[1323, 6982]
500	[966, 925]	3269	[5147, 5148]	6038	[8063, 7954]	8807	[10041, 489]
501	[967, 968]	3270	[5149, 5150]	6039	[8064, 376]	8808	[7466, 8204]
502	[969, 970]	3271	[5151, 5152]	6040	[8065, 4453]	8809	[300, 10042]
503	[971, 972]	3272	[5153, 5154]	6041	[8059, 8066]	8810	[10043, 293]
504	[973, 974]	3273	[5155, 5156]	6042	[7271, 7320]	8811	[10044, 4697]
505	[975, 976]	3274	[5157, 1823]	6043	[1345, 3881]	8812	[10045, 10046]
506	[977, 292]	3275	[5158, 5159]	6044	[8067, 3716]	8813	[10047, 1588]
507	[978, 979]	3276	[5160, 3885]	6045	[4817, 7681]	8814	[4345, 7130]
508	[980, 981]	3277	[5161, 5162]	6046	[7026, 1537]	8815	[7396, 10048]
509	[982, 983]	3278	[5163, 2623]	6047	[3611, 7130]	8816	[10049, 3932]
510	[984, 985]	3279	[5164, 5165]	6048	[8068, 7325]	8817	[7152, 7849]
511	[986, 987]	3280	[5166, 5167]	6049	[4546, 1103]	8818	[4344, 8791]
512	[988, 989]	3281	[5168, 5169]	6050	[8069, 8070]	8819	[10050, 8427]
513	[990, 991]	3282	[5170, 5171]	6051	[1098, 8071]	8820	[4102, 4700]
514	[992, 993]	3283	[5172, 50]	6052	[8072, 3314]	8821	[10051, 7248]
515	[994, 995]	3284	[5173, 5174]	6053	[8073, 8074]	8822	[4315, 3713]
516	[996, 997]	3285	[5175, 5176]	6054	[8075, 8076]	8823	[10052, 4731]
517	[998, 999]	3286	[5177, 5178]	6055	[8077, 7415]	8824	[10053, 412]
518	[331, 1000]	3287	[5179, 5173]	6056	[8078, 8079]	8825	[10054, 3298]
519	[1001, 1002]	3288	[216, 5180]	6057	[4250, 7384]	8826	[3265, 8161]
520	[1003, 1004]	3289	[5181, 719]	6058	[3844, 8080]	8827	[7783, 8434]
521	[1005, 1006]	3290	[5182, 2921]	6059	[8081, 8038]	8828	[10055, 1680]
522	[1007, 1008]	3291	[5183, 2885]	6060	[8082, 7327]	8829	[4721, 10056]
523	[1009, 1010]	3292	[5184, 5185]	6061	[311, 1282]	8830	[10057, 1588]
524	[15, 1011]	3293	[3011, 5186]	6062	[1776, 4950]	8831	[10058, 3502]
525	[1012, 1013]	3294	[2196, 5187]	6063	[8083, 8084]	8832	[1515, 7907]
526	[1014, 1015]	3295	[5188, 2740]	6064	[8085, 4872]	8833	[10059, 7277]
527	[1016, 1017]	3296	[5189, 5190]	6065	[8086, 4021]	8834	[3987, 27]
528	[1018, 1019]	3297	[2207, 5191]	6066	[8087, 8088]	8835	[1588, 3844]
529	[1020, 1021]	3298	[5192, 5193]	6067	[1122, 8089]	8836	[10060, 8763]
530	[1022, 1023]	3299	[5194, 5195]	6068	[8090, 4160]	8837	[7844, 10061]
531	[1024, 1025]	3300	[775, 5196]	6069	[8091, 8092]	8838	[10062, 264]
532	[1026, 1027]	3301	[5197, 5198]	6070	[1645, 4355]	8839	[3722, 1648]
533	[1028, 1029]	3302	[5199, 2741]	6071	[8093, 1490]	8840	[8388, 1134]
534	[1030, 1031]	3303	[5200, 4983]	6072	[8094, 66]	8841	[8522, 4365]
535	[1032, 1033]	3304	[5201, 5202]	6073	[8095, 7935]	8842	[10063, 8364]
536	[1034, 463]	3305	[5203, 5204]	6074	[4750, 7300]	8843	[10064, 3809]
537	[1035, 1036]	3306	[5205, 5206]	6075	[433, 4223]	8844	[10065, 8700]

538	[275, 1037]	3307	[5207, 5208]	6076	[7829, 7261]	8845	[972, 1168]
539	[1038, 1039]	3308	[5209, 5210]	6077	[116, 4289]	8846	[974, 4599]
540	[1040, 1041]	3309	[5211, 5212]	6078	[1736, 4537]	8847	[10066, 10067]
541	[28, 1042]	3310	[5180, 2714]	6079	[7699, 3864]	8848	[7600, 7725]
542	[30, 1043]	3311	[5213, 5214]	6080	[8096, 1689]	8849	[4921, 1704]
543	[1044, 1045]	3312	[1956, 2092]	6081	[8097, 3225]	8850	[10068, 1025]
544	[1046, 1047]	3313	[5215, 5190]	6082	[8098, 8043]	8851	[10069, 10070]
545	[1048, 1049]	3314	[5216, 2170]	6083	[8099, 4458]	8852	[10071, 4109]
546	[1050, 1051]	3315	[5217, 5218]	6084	[8100, 7244]	8853	[256, 10072]
547	[1052, 1053]	3316	[2606, 2021]	6085	[8101, 8102]	8854	[8739, 976]
548	[1054, 1055]	3317	[5219, 1849]	6086	[7676, 8103]	8855	[8055, 10073]
549	[1056, 995]	3318	[5220, 45]	6087	[8104, 8040]	8856	[1782, 7961]
550	[1057, 303]	3319	[180, 2109]	6088	[8105, 1788]	8857	[1739, 4208]
551	[1058, 1059]	3320	[582, 2549]	6089	[8106, 8107]	8858	[4355, 8735]
552	[1060, 1061]	3321	[5221, 5222]	6090	[8108, 6988]	8859	[10074, 8465]
553	[1062, 1063]	3322	[5223, 5224]	6091	[8109, 4291]	8860	[4744, 4461]
554	[1064, 1065]	3323	[5225, 5106]	6092	[8110, 8111]	8861	[3355, 4893]
555	[1066, 1067]	3324	[5226, 2099]	6093	[8112, 3498]	8862	[10075, 1629]
556	[1068, 1069]	3325	[5227, 2094]	6094	[1576, 7261]	8863	[8483, 10076]
557	[1070, 1071]	3326	[5228, 2336]	6095	[8113, 4111]	8864	[3755, 8639]
558	[1072, 1073]	3327	[5229, 5230]	6096	[8114, 4010]	8865	[7906, 10077]
559	[409, 1074]	3328	[5231, 5232]	6097	[8115, 7535]	8866	[3850, 7279]
560	[1075, 1076]	3329	[5233, 5234]	6098	[3597, 3759]	8867	[497, 88]
561	[1077, 1078]	3330	[5235, 5236]	6099	[8116, 413]	8868	[8230, 3613]
562	[1079, 1080]	3331	[5237, 5238]	6100	[7737, 1772]	8869	[10078, 3217]
563	[1081, 1082]	3332	[5239, 2874]	6101	[3512, 4483]	8870	[7666, 10079]
564	[1083, 1084]	3333	[5240, 2086]	6102	[8117, 3680]	8871	[10080, 3840]
565	[1085, 1086]	3334	[626, 2908]	6103	[8118, 8119]	8872	[10081, 1375]
566	[1087, 1088]	3335	[5241, 5242]	6104	[8120, 8044]	8873	[8482, 3705]
567	[1089, 1090]	3336	[5243, 1978]	6105	[1366, 8121]	8874	[10072, 3908]
568	[1091, 1092]	3337	[5244, 517]	6106	[1720, 3332]	8875	[10082, 3341]
569	[1093, 1094]	3338	[5245, 809]	6107	[8122, 8123]	8876	[8417, 10083]
570	[1095, 1096]	3339	[5246, 5247]	6108	[8124, 8125]	8877	[10084, 4854]
571	[108, 1097]	3340	[165, 5248]	6109	[8126, 4230]	8878	[1713, 10085]
572	[1098, 449]	3341	[5249, 5250]	6110	[8098, 8120]	8879	[7787, 3943]
573	[1099, 1100]	3342	[5251, 5195]	6111	[8127, 8128]	8880	[3521, 1365]
574	[1101, 1102]	3343	[5252, 5253]	6112	[8129, 1797]	8881	[3694, 10086]
575	[1103, 1104]	3344	[5068, 5254]	6113	[7777, 7789]	8882	[7402, 10087]
576	[1105, 1106]	3345	[5255, 5256]	6114	[8130, 8131]	8883	[10088, 7284]
577	[1107, 1108]	3346	[5257, 1908]	6115	[8132, 8133]	8884	[10089, 3862]
578	[1109, 1110]	3347	[2306, 2262]	6116	[8134, 1669]	8885	[3567, 1366]
579	[1111, 1112]	3348	[224, 5258]	6117	[8135, 8136]	8886	[10090, 10091]
580	[1113, 1114]	3349	[240, 3080]	6118	[8137, 7267]	8887	[4113, 10092]
581	[1115, 1116]	3350	[2598, 2983]	6119	[8138, 1769]	8888	[7601, 10093]

582	[1117, 1118]	3351	[542, 5259]	6120	[1569, 7925]	8889	[10094, 8315]
583	[1119, 1120]	3352	[5260, 551]	6121	[8139, 8140]	8890	[4653, 10095]
584	[1121, 1122]	3353	[5261, 5262]	6122	[8141, 8142]	8891	[10096, 7455]
585	[1123, 1124]	3354	[5263, 720]	6123	[8143, 4315]	8892	[10097, 4219]
586	[1125, 265]	3355	[5264, 3018]	6124	[8144, 8145]	8893	[3936, 7084]
587	[1126, 1127]	3356	[5265, 963]	6125	[3373, 8146]	8894	[4275, 7338]
588	[1128, 1129]	3357	[5266, 2992]	6126	[8147, 1046]	8895	[8561, 6989]
589	[1130, 1131]	3358	[742, 5267]	6127	[8148, 7411]	8896	[10098, 10099]
590	[1132, 1133]	3359	[2187, 934]	6128	[1754, 8149]	8897	[10100, 3634]
591	[1134, 1135]	3360	[563, 2273]	6129	[7315, 8150]	8898	[7786, 3942]
592	[1136, 1137]	3361	[5268, 5269]	6130	[8151, 4240]	8899	[7843, 10101]
593	[1138, 1139]	3362	[5270, 3102]	6131	[8152, 7712]	8900	[7781, 4280]
594	[1140, 1141]	3363	[5271, 5272]	6132	[3989, 4269]	8901	[10102, 3992]
595	[1142, 1143]	3364	[5273, 2945]	6133	[4026, 8153]	8902	[8227, 7187]
596	[1144, 67]	3365	[5274, 5275]	6134	[3735, 7300]	8903	[10103, 7956]
597	[1145, 1146]	3366	[5276, 1923]	6135	[8154, 7514]	8904	[10104, 1370]
598	[1147, 1148]	3367	[5277, 5278]	6136	[3342, 7833]	8905	[10105, 4787]
599	[1149, 1150]	3368	[5279, 735]	6137	[4511, 1408]	8906	[3197, 8274]
600	[1151, 1076]	3369	[959, 5280]	6138	[8155, 8156]	8907	[10106, 10107]
601	[104, 1152]	3370	[5281, 5282]	6139	[8157, 3785]	8908	[8557, 3352]
602	[1153, 300]	3371	[5283, 2864]	6140	[8158, 1477]	8909	[10108, 3549]
603	[1154, 1155]	3372	[5284, 5285]	6141	[8159, 3227]	8910	[10109, 1300]
604	[1156, 1157]	3373	[5286, 3065]	6142	[8160, 8161]	8911	[10110, 339]
605	[1158, 1099]	3374	[5287, 915]	6143	[8162, 4740]	8912	[10111, 3670]
606	[1159, 1160]	3375	[5288, 3013]	6144	[8163, 7418]	8913	[10112, 10113]
607	[1161, 1162]	3376	[2859, 5289]	6145	[1627, 3421]	8914	[10114, 370]
608	[1163, 1164]	3377	[2706, 523]	6146	[8164, 8165]	8915	[8007, 4286]
609	[1165, 1166]	3378	[5290, 2750]	6147	[3177, 8166]	8916	[8303, 8127]
610	[1167, 1168]	3379	[5291, 5292]	6148	[8167, 1529]	8917	[10115, 10116]
611	[1169, 1170]	3380	[5293, 635]	6149	[8168, 7603]	8918	[3824, 7287]
612	[1171, 301]	3381	[5294, 5295]	6150	[7904, 330]	8919	[10117, 3238]
613	[1172, 1173]	3382	[5296, 5297]	6151	[8169, 3174]	8920	[3414, 8206]
614	[1174, 1175]	3383	[5209, 5298]	6152	[8170, 4621]	8921	[1643, 374]
615	[1176, 1177]	3384	[2689, 5299]	6153	[4893, 8171]	8922	[7797, 8392]
616	[1178, 1179]	3385	[5300, 5301]	6154	[8172, 7701]	8923	[7661, 8664]
617	[1122, 1180]	3386	[2594, 5302]	6155	[3312, 8028]	8924	[7901, 10118]
618	[1181, 1182]	3387	[5303, 2279]	6156	[7123, 8111]	8925	[10119, 10120]
619	[1183, 1184]	3388	[5304, 2569]	6157	[8173, 3240]	8926	[10121, 4489]
620	[1185, 1186]	3389	[5305, 2787]	6158	[1338, 3482]	8927	[10122, 4289]
621	[1187, 1188]	3390	[2109, 5306]	6159	[8174, 8175]	8928	[7740, 10123]
622	[1189, 1190]	3391	[5307, 5308]	6160	[3673, 3768]	8929	[4249, 7693]
623	[1191, 1192]	3392	[5309, 5286]	6161	[8176, 7082]	8930	[7982, 10124]
624	[1193, 1194]	3393	[5310, 5311]	6162	[8177, 3188]	8931	[4343, 4894]
625	[1195, 1196]	3394	[5312, 5313]	6163	[4789, 8178]	8932	[7950, 8751]

626	[1197, 1198]	3395	[2972, 5314]	6164	[3914, 8179]	8933	[486, 4668]
627	[1199, 1200]	3396	[5315, 5316]	6165	[8180, 3573]	8934	[10125, 7200]
628	[1201, 1202]	3397	[5317, 5318]	6166	[1225, 373]	8935	[10126, 4547]
629	[1203, 1204]	3398	[5319, 3026]	6167	[8181, 3269]	8936	[7108, 10127]
630	[1205, 1206]	3399	[5320, 5158]	6168	[8182, 8183]	8937	[1304, 8426]
631	[1207, 1208]	3400	[5321, 5322]	6169	[8184, 1204]	8938	[10128, 8569]
632	[1209, 1210]	3401	[2207, 5323]	6170	[8185, 4877]	8939	[10129, 10061]
633	[1211, 1212]	3402	[4997, 5324]	6171	[8186, 8187]	8940	[10130, 10073]
634	[1213, 1214]	3403	[862, 5325]	6172	[3772, 8188]	8941	[10131, 4913]
635	[1215, 1216]	3404	[5326, 5327]	6173	[3971, 8189]	8942	[10132, 324]
636	[1217, 1218]	3405	[5328, 2765]	6174	[8190, 8191]	8943	[1304, 3504]
637	[443, 1219]	3406	[2931, 1944]	6175	[8192, 7539]	8944	[7761, 7437]
638	[1220, 1221]	3407	[5329, 5330]	6176	[1265, 8193]	8945	[10133, 3558]
639	[1222, 1223]	3408	[5331, 5332]	6177	[8194, 3225]	8946	[1230, 3262]
640	[1224, 1225]	3409	[5333, 2917]	6178	[8195, 8196]	8947	[10134, 1480]
641	[1226, 1227]	3410	[5334, 2484]	6179	[8197, 7158]	8948	[10135, 10136]
642	[1228, 1229]	3411	[5335, 2598]	6180	[8198, 1531]	8949	[10137, 8755]
643	[1230, 1231]	3412	[5336, 5337]	6181	[8199, 8103]	8950	[3567, 10138]
644	[1025, 1232]	3413	[5338, 5339]	6182	[8200, 3955]	8951	[1496, 3330]
645	[1200, 348]	3414	[2183, 2562]	6183	[4652, 4245]	8952	[440, 8291]
646	[1233, 1234]	3415	[5340, 5341]	6184	[8201, 8202]	8953	[10139, 3148]
647	[1235, 1236]	3416	[5342, 673]	6185	[300, 3217]	8954	[10140, 1707]
648	[1237, 1238]	3417	[5343, 774]	6186	[3418, 4006]	8955	[10141, 6985]
649	[1239, 1240]	3418	[5344, 5345]	6187	[8203, 3550]	8956	[7761, 10142]
650	[1241, 1242]	3419	[5346, 2307]	6188	[8204, 3637]	8957	[10143, 256]
651	[1243, 410]	3420	[5347, 859]	6189	[3554, 8205]	8958	[7003, 4903]
652	[1244, 1220]	3421	[2894, 5348]	6190	[8206, 4352]	8959	[3759, 10144]
653	[1245, 1246]	3422	[5349, 5350]	6191	[8207, 4774]	8960	[1139, 1661]
654	[1247, 1248]	3423	[5351, 5352]	6192	[8208, 4057]	8961	[8208, 8241]
655	[1249, 1250]	3424	[5353, 2055]	6193	[4287, 8209]	8962	[10145, 10146]
656	[1251, 1252]	3425	[5354, 5355]	6194	[8210, 8211]	8963	[10147, 10148]
657	[1253, 1215]	3426	[526, 5356]	6195	[8212, 1278]	8964	[10149, 3601]
658	[1254, 1022]	3427	[5357, 2683]	6196	[8213, 8214]	8965	[10150, 4186]
659	[1255, 1256]	3428	[5358, 2978]	6197	[3905, 8215]	8966	[8143, 3712]
660	[1257, 1258]	3429	[5359, 5360]	6198	[4621, 8216]	8967	[10151, 8623]
661	[1259, 469]	3430	[729, 5361]	6199	[8217, 8218]	8968	[336, 10152]
662	[1260, 1261]	3431	[5362, 2314]	6200	[8219, 369]	8969	[10153, 4077]
663	[1262, 1263]	3432	[5363, 2899]	6201	[8220, 7604]	8970	[985, 1674]
664	[1264, 1265]	3433	[5364, 5365]	6202	[1735, 4536]	8971	[7276, 8039]
665	[1266, 1267]	3434	[5366, 5367]	6203	[8221, 8222]	8972	[7484, 3981]
666	[1268, 1269]	3435	[5368, 697]	6204	[1720, 8223]	8973	[8611, 8628]
667	[1270, 1100]	3436	[5369, 5370]	6205	[8224, 8225]	8974	[10154, 3947]
668	[1271, 1272]	3437	[5371, 5372]	6206	[8186, 1027]	8975	[8750, 7951]
669	[1273, 1274]	3438	[5373, 1990]	6207	[8226, 3273]	8976	[10155, 10156]

670	[387, 1275]	3439	[5374, 733]	6208	[7277, 8227]	8977	[10157, 3346]
671	[1276, 1277]	3440	[5375, 5376]	6209	[8228, 8229]	8978	[10158, 10159]
672	[1278, 1279]	3441	[5377, 5378]	6210	[8230, 8231]	8979	[10160, 7462]
673	[1280, 1281]	3442	[5379, 3107]	6211	[8232, 1660]	8980	[10112, 1632]
674	[1282, 74]	3443	[609, 2987]	6212	[7434, 4341]	8981	[10161, 7435]
675	[1048, 415]	3444	[1958, 5380]	6213	[3655, 1339]	8982	[8343, 1272]
676	[1283, 1284]	3445	[5381, 5382]	6214	[8233, 7630]	8983	[10162, 8456]
677	[1285, 1286]	3446	[5383, 5384]	6215	[1739, 8234]	8984	[1631, 10113]
678	[1287, 1288]	3447	[5385, 5386]	6216	[4766, 4679]	8985	[10163, 8559]
679	[1289, 1290]	3448	[5387, 5388]	6217	[4274, 8235]	8986	[10164, 1164]
680	[1291, 1292]	3449	[5389, 2980]	6218	[384, 1474]	8987	[4947, 10165]
681	[1293, 1294]	3450	[5390, 5391]	6219	[3323, 1359]	8988	[10166, 10038]
682	[1295, 1296]	3451	[5392, 5393]	6220	[8236, 8237]	8989	[7387, 8511]
683	[1254, 1297]	3452	[5394, 5395]	6221	[3688, 8238]	8990	[7622, 3848]
684	[1103, 1298]	3453	[5396, 2935]	6222	[4729, 7889]	8991	[10167, 75]
685	[1299, 1300]	3454	[5397, 5398]	6223	[8239, 8240]	8992	[10168, 7720]
686	[1301, 1302]	3455	[5399, 5400]	6224	[8241, 4058]	8993	[10169, 1225]
687	[1303, 1304]	3456	[5401, 516]	6225	[7523, 303]	8994	[1271, 8344]
688	[1305, 1306]	3457	[1846, 1831]	6226	[8242, 1313]	8995	[7719, 4320]
689	[1307, 1308]	3458	[5402, 2929]	6227	[8243, 4065]	8996	[4549, 10170]
690	[1309, 1310]	3459	[5403, 5404]	6228	[7624, 1243]	8997	[10171, 3521]
691	[1311, 1312]	3460	[5291, 1840]	6229	[7449, 3766]	8998	[10172, 4310]
692	[1313, 1314]	3461	[551, 5380]	6230	[8244, 7592]	8999	[10173, 77]
693	[1315, 1316]	3462	[5405, 5406]	6231	[3365, 1569]	9000	[393, 10070]
694	[1317, 1318]	3463	[5407, 2577]	6232	[8245, 3870]	9001	[1223, 1609]
695	[1319, 495]	3464	[1909, 2626]	6233	[3481, 1189]	9002	[10174, 1759]
696	[351, 1320]	3465	[5408, 5409]	6234	[8246, 1419]	9003	[7660, 1546]
697	[1321, 1102]	3466	[5410, 5411]	6235	[8247, 4081]	9004	[10175, 1134]
698	[1322, 1323]	3467	[5208, 1850]	6236	[8248, 7121]	9005	[1617, 8234]
699	[1324, 1325]	3468	[5412, 5413]	6237	[7869, 1582]	9006	[10176, 393]
700	[1326, 1327]	3469	[5414, 822]	6238	[8249, 1317]	9007	[10177, 8420]
701	[1328, 1329]	3470	[3060, 5415]	6239	[3846, 8250]	9008	[10178, 10179]
702	[1330, 1331]	3471	[5416, 2475]	6240	[3642, 3896]	9009	[486, 3799]
703	[1332, 1202]	3472	[5417, 5418]	6241	[8251, 367]	9010	[10180, 8504]
704	[1333, 1334]	3473	[5419, 5420]	6242	[3883, 7177]	9011	[4827, 8680]
705	[1335, 1336]	3474	[5421, 5422]	6243	[8252, 3438]	9012	[10181, 10182]
706	[1337, 1338]	3475	[5423, 5222]	6244	[1436, 3782]	9013	[4019, 3617]
707	[1216, 1339]	3476	[5424, 5425]	6245	[8253, 8254]	9014	[7084, 7230]
708	[1340, 1341]	3477	[5426, 5427]	6246	[8255, 3357]	9015	[10183, 4099]
709	[1342, 1343]	3478	[5428, 5429]	6247	[1033, 8256]	9016	[10078, 10042]
710	[1344, 1345]	3479	[5430, 216]	6248	[4130, 996]	9017	[10184, 7596]
711	[1346, 1347]	3480	[2880, 3062]	6249	[8257, 4003]	9018	[10185, 7093]
712	[1348, 1349]	3481	[5431, 5432]	6250	[8258, 3242]	9019	[10186, 3469]
713	[1350, 1351]	3482	[5433, 661]	6251	[8259, 8084]	9020	[7401, 4137]

714	[1352, 1353]	3483	[5434, 5435]	6252	[7730, 8260]	9021	[3223, 7660]
715	[1354, 1355]	3484	[5436, 2981]	6253	[8261, 7766]	9022	[7449, 10187]
716	[1356, 1357]	3485	[5437, 5438]	6254	[8262, 7647]	9023	[4289, 8502]
717	[1358, 1359]	3486	[5439, 5440]	6255	[8263, 8264]	9024	[10188, 3426]
718	[1360, 379]	3487	[5441, 594]	6256	[255, 8265]	9025	[4419, 1240]
719	[1361, 1362]	3488	[888, 5442]	6257	[8266, 1443]	9026	[4546, 7364]
720	[1363, 1364]	3489	[5443, 5444]	6258	[8267, 8268]	9027	[10189, 10165]
721	[1365, 1366]	3490	[5445, 5446]	6259	[8269, 8270]	9028	[10190, 64]
722	[1367, 1368]	3491	[962, 5447]	6260	[8271, 8272]	9029	[4433, 4296]
723	[1369, 418]	3492	[825, 745]	6261	[8273, 3380]	9030	[10191, 10192]
724	[1370, 1371]	3493	[5448, 5449]	6262	[4299, 3755]	9031	[7815, 1386]
725	[1372, 1373]	3494	[5450, 5451]	6263	[8274, 8275]	9032	[3836, 8309]
726	[1374, 1375]	3495	[5452, 5453]	6264	[3889, 4638]	9033	[10193, 1237]
727	[1376, 1377]	3496	[5454, 5029]	6265	[8276, 4508]	9034	[3206, 10194]
728	[1378, 1379]	3497	[1869, 5455]	6266	[8277, 4936]	9035	[10195, 1089]
729	[1380, 1381]	3498	[5456, 5457]	6267	[413, 4597]	9036	[10196, 8738]
730	[1382, 1383]	3499	[5458, 2574]	6268	[4896, 8214]	9037	[10197, 3363]
731	[1384, 1385]	3500	[5459, 1987]	6269	[8278, 1549]	9038	[10198, 10199]
732	[1386, 1387]	3501	[5460, 5461]	6270	[8118, 8279]	9039	[10200, 1572]
733	[1388, 1389]	3502	[5462, 5463]	6271	[78, 1330]	9040	[7366, 1536]
734	[1390, 1391]	3503	[5464, 133]	6272	[4673, 8280]	9041	[10201, 3791]
735	[1392, 1393]	3504	[5465, 3101]	6273	[7528, 1653]	9042	[3168, 1070]
736	[1394, 1395]	3505	[2377, 5466]	6274	[1626, 4776]	9043	[7566, 276]
737	[1396, 1397]	3506	[5467, 2160]	6275	[8281, 7122]	9044	[4084, 3226]
738	[1398, 332]	3507	[5468, 5469]	6276	[8282, 1693]	9045	[1785, 4292]
739	[1399, 1400]	3508	[5470, 5471]	6277	[7017, 4211]	9046	[8267, 10202]
740	[1401, 1402]	3509	[5472, 5162]	6278	[4146, 8283]	9047	[10203, 3313]
741	[1403, 1404]	3510	[5473, 5474]	6279	[3582, 8284]	9048	[8189, 4796]
742	[1405, 1406]	3511	[2330, 5475]	6280	[8285, 4438]	9049	[7045, 8634]
743	[1407, 1408]	3512	[5476, 2649]	6281	[8286, 1122]	9050	[4916, 1090]
744	[1409, 1410]	3513	[5477, 2233]	6282	[8287, 3565]	9051	[10204, 7285]
745	[1292, 1411]	3514	[5478, 5479]	6283	[8288, 3689]	9052	[1569, 10101]
746	[1412, 1413]	3515	[5480, 1914]	6284	[3573, 3414]	9053	[10198, 10205]
747	[1414, 495]	3516	[5481, 5482]	6285	[8289, 3891]	9054	[3473, 7078]
748	[1415, 1416]	3517	[5483, 2185]	6286	[8290, 1165]	9055	[3794, 8718]
749	[1417, 1124]	3518	[5484, 2917]	6287	[8158, 4666]	9056	[8773, 10206]
750	[1418, 1419]	3519	[5485, 5144]	6288	[7936, 7869]	9057	[8356, 3266]
751	[1420, 447]	3520	[5486, 2891]	6289	[8291, 4154]	9058	[10207, 7029]
752	[1421, 1422]	3521	[5487, 5488]	6290	[8292, 7014]	9059	[8506, 3478]
753	[1423, 1424]	3522	[5489, 5490]	6291	[8293, 4603]	9060	[3249, 4087]
754	[1425, 1426]	3523	[511, 2656]	6292	[7698, 1450]	9061	[7295, 4255]
755	[1427, 1428]	3524	[5348, 5491]	6293	[8294, 4433]	9062	[7135, 10208]
756	[1429, 1345]	3525	[5492, 5493]	6294	[457, 8295]	9063	[3667, 3836]
757	[1403, 1430]	3526	[5494, 5495]	6295	[8296, 8168]	9064	[7775, 7045]

758	[1431, 1098]	3527	[5496, 3084]	6296	[8297, 8298]	9065	[3539, 8147]
759	[1432, 1433]	3528	[5497, 5498]	6297	[7821, 4]	9066	[8726, 8589]
760	[1434, 1435]	3529	[1842, 1870]	6298	[8299, 8300]	9067	[4656, 1033]
761	[1436, 1437]	3530	[5144, 5499]	6299	[7733, 4745]	9068	[8597, 1461]
762	[1438, 1439]	3531	[5500, 5501]	6300	[8301, 7007]	9069	[10209, 3697]
763	[1440, 1441]	3532	[5502, 2885]	6301	[8302, 1613]	9070	[10210, 10211]
764	[1442, 1443]	3533	[5503, 2340]	6302	[8303, 8048]	9071	[76, 7684]
765	[1444, 1445]	3534	[5504, 2313]	6303	[4772, 8304]	9072	[4576, 3274]
766	[1446, 1447]	3535	[5505, 2134]	6304	[8305, 7152]	9073	[8316, 7133]
767	[1448, 1449]	3536	[5506, 5507]	6305	[7469, 419]	9074	[8311, 4638]
768	[1450, 1451]	3537	[5508, 855]	6306	[8306, 3214]	9075	[265, 10212]
769	[1448, 1452]	3538	[5509, 2762]	6307	[8307, 3657]	9076	[7494, 4266]
770	[1453, 1454]	3539	[5510, 5511]	6308	[7640, 7869]	9077	[10213, 10214]
771	[1455, 1456]	3540	[625, 1934]	6309	[8054, 3913]	9078	[3713, 10215]
772	[1457, 1458]	3541	[5512, 5513]	6310	[406, 4607]	9079	[3999, 1386]
773	[1033, 1459]	3542	[5514, 5360]	6311	[8308, 8309]	9080	[7727, 1428]
774	[1460, 1461]	3543	[5515, 5516]	6312	[7533, 1666]	9081	[8338, 3157]
775	[1462, 1463]	3544	[5517, 5518]	6313	[4739, 1506]	9082	[274, 4532]
776	[1464, 1465]	3545	[679, 2065]	6314	[8310, 4529]	9083	[8275, 4237]
777	[1466, 1467]	3546	[5519, 2432]	6315	[8311, 3607]	9084	[10216, 8204]
778	[1468, 1469]	3547	[5520, 2218]	6316	[8312, 4195]	9085	[7013, 4661]
779	[1470, 1471]	3548	[2564, 2197]	6317	[8313, 8254]	9086	[10217, 1347]
780	[1472, 1473]	3549	[5521, 1947]	6318	[8144, 1055]	9087	[10218, 305]
781	[1474, 1475]	3550	[5522, 3055]	6319	[8314, 8315]	9088	[10219, 8394]
782	[1476, 1477]	3551	[5523, 542]	6320	[8316, 8317]	9089	[7603, 10220]
783	[1478, 1338]	3552	[5524, 5525]	6321	[8103, 8318]	9090	[10221, 10222]
784	[1479, 1480]	3553	[5526, 935]	6322	[8319, 4524]	9091	[7937, 10223]
785	[1444, 1137]	3554	[1933, 2695]	6323	[8206, 1384]	9092	[1192, 8215]
786	[1481, 1034]	3555	[5527, 2286]	6324	[8320, 8321]	9093	[3373, 7599]
787	[1482, 1009]	3556	[5010, 1865]	6325	[8322, 985]	9094	[4306, 1639]
788	[1483, 1484]	3557	[5528, 573]	6326	[8323, 395]	9095	[10224, 3704]
789	[1485, 1486]	3558	[5529, 952]	6327	[8324, 4283]	9096	[10225, 10226]
790	[111, 1487]	3559	[5530, 663]	6328	[3158, 4500]	9097	[10227, 10228]
791	[1488, 1489]	3560	[5531, 5532]	6329	[8325, 7734]	9098	[3787, 3998]
792	[1490, 1491]	3561	[5533, 5534]	6330	[1503, 3841]	9099	[10229, 4835]
793	[1262, 1492]	3562	[5535, 5174]	6331	[8326, 3490]	9100	[7369, 7225]
794	[1493, 1494]	3563	[5536, 5537]	6332	[3676, 3671]	9101	[4244, 10230]
795	[1495, 1496]	3564	[5538, 5539]	6333	[8327, 4584]	9102	[3406, 4732]
796	[1497, 1498]	3565	[5540, 192]	6334	[3414, 4351]	9103	[7811, 10231]
797	[1499, 1500]	3566	[3129, 5541]	6335	[8328, 8329]	9104	[7508, 10056]
798	[110, 1501]	3567	[5542, 1884]	6336	[8330, 1637]	9105	[10232, 10233]
799	[1502, 1503]	3568	[780, 2964]	6337	[8331, 8020]	9106	[10234, 1464]
800	[1504, 1505]	3569	[5543, 5544]	6338	[4327, 7995]	9107	[10235, 4444]
801	[1506, 1507]	3570	[5545, 5546]	6339	[3654, 1216]	9108	[10236, 10237]

802	[1508, 1509]	3571	[5547, 5548]	6340	[8332, 7304]	9109	[1543, 7157]
803	[1510, 1511]	3572	[512, 5549]	6341	[8089, 3910]	9110	[1573, 1083]
804	[1512, 1513]	3573	[5550, 5551]	6342	[8333, 485]	9111	[4302, 1004]
805	[1514, 1515]	3574	[2853, 5050]	6343	[7622, 8281]	9112	[3650, 4143]
806	[1516, 1517]	3575	[5507, 5552]	6344	[8334, 1290]	9113	[10238, 4117]
807	[1518, 1519]	3576	[5553, 170]	6345	[8335, 7405]	9114	[8518, 10239]
808	[416, 1520]	3577	[5554, 5555]	6346	[3565, 7212]	9115	[10240, 7511]
809	[1521, 1522]	3578	[584, 1983]	6347	[8336, 1795]	9116	[10241, 4546]
810	[1523, 1524]	3579	[5453, 2542]	6348	[8337, 4512]	9117	[8498, 1018]
811	[1525, 1526]	3580	[5556, 5557]	6349	[8338, 8339]	9118	[4496, 3328]
812	[1527, 1528]	3581	[5558, 5559]	6350	[1485, 7635]	9119	[10242, 3510]
813	[1529, 1530]	3582	[5560, 3083]	6351	[1661, 7422]	9120	[3898, 1377]
814	[1531, 1532]	3583	[5561, 5562]	6352	[1072, 7687]	9121	[10243, 10244]
815	[1533, 1534]	3584	[5563, 765]	6353	[8340, 8341]	9122	[8429, 8281]
816	[1535, 1186]	3585	[5564, 824]	6354	[8342, 7691]	9123	[10245, 7683]
817	[1536, 1537]	3586	[2841, 5565]	6355	[8343, 8344]	9124	[10246, 7997]
818	[1538, 1539]	3587	[5566, 5567]	6356	[8345, 3278]	9125	[3686, 7487]
819	[1540, 1541]	3588	[5568, 5569]	6357	[101, 8346]	9126	[4445, 10247]
820	[1542, 1543]	3589	[5570, 923]	6358	[4075, 4928]	9127	[10059, 4839]
821	[1544, 1545]	3590	[610, 5571]	6359	[8347, 7184]	9128	[10248, 4646]
822	[1546, 1547]	3591	[5572, 1839]	6360	[8348, 8349]	9129	[10249, 10250]
823	[1548, 1549]	3592	[5573, 5574]	6361	[24, 8350]	9130	[10251, 3378]
824	[1550, 1551]	3593	[5575, 5576]	6362	[4948, 8351]	9131	[4530, 8274]
825	[1552, 1553]	3594	[5577, 5578]	6363	[8352, 4837]	9132	[10252, 10253]
826	[1554, 1555]	3595	[5579, 5580]	6364	[4453, 7506]	9133	[10254, 8199]
827	[1323, 1556]	3596	[5308, 5581]	6365	[1130, 7559]	9134	[10135, 8631]
828	[1557, 1558]	3597	[5582, 5583]	6366	[7096, 8353]	9135	[1650, 8442]
829	[1559, 1236]	3598	[5584, 12]	6367	[8354, 7030]	9136	[7655, 10255]
830	[1286, 1560]	3599	[5585, 672]	6368	[8355, 8356]	9137	[1394, 321]
831	[1561, 1562]	3600	[5586, 2621]	6369	[4058, 8357]	9138	[10256, 7428]
832	[331, 1563]	3601	[5587, 3050]	6370	[1542, 7156]	9139	[10257, 3492]
833	[1564, 1565]	3602	[5588, 5586]	6371	[8358, 8165]	9140	[10258, 10259]
834	[369, 1566]	3603	[5589, 5590]	6372	[3645, 3240]	9141	[7061, 7016]
835	[280, 1567]	3604	[5591, 5592]	6373	[8359, 8240]	9142	[7339, 1690]
836	[1568, 1569]	3605	[2617, 5593]	6374	[8360, 7466]	9143	[7568, 8475]
837	[1570, 1449]	3606	[5594, 5345]	6375	[8361, 984]	9144	[4308, 7650]
838	[1571, 1572]	3607	[5595, 2271]	6376	[8362, 4967]	9145	[7014, 10260]
839	[1573, 1574]	3608	[5596, 5334]	6377	[3151, 7198]	9146	[7260, 4597]
840	[1575, 1576]	3609	[5597, 5598]	6378	[8363, 8364]	9147	[8182, 10261]
841	[1577, 1578]	3610	[5599, 5600]	6379	[8365, 8366]	9148	[10206, 1294]
842	[1579, 1580]	3611	[5601, 5602]	6380	[8367, 3876]	9149	[10262, 7104]
843	[1581, 1582]	3612	[2226, 237]	6381	[1466, 1776]	9150	[10263, 470]
844	[1583, 1584]	3613	[5603, 2106]	6382	[8368, 7114]	9151	[10138, 10264]
845	[1585, 1586]	3614	[788, 2707]	6383	[7946, 501]	9152	[3598, 4188]

846	[395, 1587]	3615	[5604, 5605]	6384	[7001, 8369]	9153	[96, 4725]
847	[1588, 464]	3616	[5606, 5607]	6385	[8370, 1735]	9154	[1482, 7372]
848	[1589, 1590]	3617	[5608, 5330]	6386	[8371, 7602]	9155	[1186, 1490]
849	[1591, 1592]	3618	[2808, 5609]	6387	[8372, 4389]	9156	[494, 10265]
850	[1593, 1110]	3619	[5610, 5094]	6388	[4917, 8373]	9157	[3550, 3488]
851	[1041, 1594]	3620	[632, 5611]	6389	[7385, 22]	9158	[10266, 478]
852	[1595, 384]	3621	[5612, 1878]	6390	[3926, 7517]	9159	[10267, 10268]
853	[1596, 1597]	3622	[5613, 2605]	6391	[7205, 8374]	9160	[4839, 8227]
854	[1598, 1599]	3623	[699, 827]	6392	[8082, 8375]	9161	[10269, 6988]
855	[1600, 1601]	3624	[5614, 5256]	6393	[8376, 4173]	9162	[10270, 10214]
856	[1602, 1603]	3625	[2087, 5615]	6394	[8153, 8377]	9163	[4865, 10271]
857	[1604, 1605]	3626	[5164, 5616]	6395	[8378, 4618]	9164	[10102, 3378]
858	[1606, 1607]	3627	[5617, 5618]	6396	[7488, 8115]	9165	[4148, 10272]
859	[1608, 1609]	3628	[1994, 5619]	6397	[8379, 1141]	9166	[1205, 3956]
860	[1120, 1610]	3629	[5620, 1821]	6398	[8380, 8196]	9167	[4923, 4574]
861	[1611, 1516]	3630	[5621, 5622]	6399	[8381, 4915]	9168	[10273, 3779]
862	[1612, 1613]	3631	[696, 2290]	6400	[7234, 423]	9169	[10274, 8712]
863	[1614, 1615]	3632	[2563, 2031]	6401	[1587, 7113]	9170	[10275, 7681]
864	[1616, 1617]	3633	[5623, 3091]	6402	[8382, 8383]	9171	[10276, 7632]
865	[1618, 1080]	3634	[5624, 2024]	6403	[8384, 1414]	9172	[10277, 10278]
866	[1619, 1620]	3635	[5625, 5626]	6404	[8385, 989]	9173	[8030, 10279]
867	[1621, 1622]	3636	[5627, 5580]	6405	[8386, 8387]	9174	[1437, 3783]
868	[1623, 1624]	3637	[5628, 2996]	6406	[8388, 7224]	9175	[1046, 10272]
869	[1625, 1565]	3638	[5629, 1976]	6407	[24, 7410]	9176	[10280, 10086]
870	[1626, 1627]	3639	[5630, 5631]	6408	[8389, 4057]	9177	[10281, 8076]
871	[1628, 1629]	3640	[5632, 5234]	6409	[8390, 7496]	9178	[10282, 3751]
872	[1630, 1590]	3641	[5633, 5634]	6410	[8391, 441]	9179	[10283, 8556]
873	[1631, 1632]	3642	[5635, 2465]	6411	[26, 4124]	9180	[10284, 3333]
874	[1633, 1634]	3643	[2316, 5636]	6412	[7499, 7962]	9181	[10285, 3958]
875	[975, 1635]	3644	[910, 2228]	6413	[4407, 8392]	9182	[10286, 7706]
876	[1636, 1637]	3645	[5637, 178]	6414	[8393, 8394]	9183	[4782, 4664]
877	[1638, 1639]	3646	[5638, 5639]	6415	[4434, 8395]	9184	[3584, 4273]
878	[1640, 1641]	3647	[5640, 5538]	6416	[7016, 4484]	9185	[989, 1467]
879	[1642, 1643]	3648	[5641, 5642]	6417	[1135, 7448]	9186	[10287, 10288]
880	[1644, 1645]	3649	[5384, 5472]	6418	[1597, 1682]	9187	[10289, 8601]
881	[1646, 1647]	3650	[5643, 5644]	6419	[4888, 8396]	9188	[10290, 4840]
882	[1648, 1649]	3651	[5645, 5646]	6420	[3291, 8397]	9189	[10291, 4235]
883	[1650, 1651]	3652	[5647, 5648]	6421	[8398, 1665]	9190	[4026, 10292]
884	[1652, 118]	3653	[5649, 5650]	6422	[7720, 4321]	9191	[10293, 1793]
885	[1653, 1654]	3654	[5651, 5652]	6423	[3339, 8396]	9192	[10294, 7378]
886	[1655, 1656]	3655	[5653, 2086]	6424	[8399, 1368]	9193	[1515, 10077]
887	[1211, 1657]	3656	[5654, 651]	6425	[8400, 4186]	9194	[8643, 296]
888	[1658, 1659]	3657	[5655, 5656]	6426	[8401, 8100]	9195	[8287, 7211]
889	[1660, 392]	3658	[5311, 2163]	6427	[8402, 3527]	9196	[10295, 4015]

890	[1661, 1662]	3659	[5657, 5658]	6428	[4616, 1494]	9197	[10296, 7431]
891	[1663, 1226]	3660	[5659, 2331]	6429	[1231, 4275]	9198	[10042, 3218]
892	[1664, 1665]	3661	[5660, 5661]	6430	[8403, 8404]	9199	[7682, 410]
893	[1666, 1667]	3662	[5662, 2737]	6431	[4166, 3322]	9200	[7454, 10297]
894	[1668, 1669]	3663	[3080, 5663]	6432	[7413, 3912]	9201	[1475, 1536]
895	[1670, 261]	3664	[5664, 5665]	6433	[7482, 4092]	9202	[10298, 7335]
896	[1671, 1672]	3665	[2523, 2106]	6434	[8405, 7037]	9203	[1715, 7156]
897	[1673, 1674]	3666	[5037, 5611]	6435	[8288, 4717]	9204	[10299, 4074]
898	[1675, 1088]	3667	[5666, 710]	6436	[8406, 7075]	9205	[3710, 3831]
899	[1676, 1677]	3668	[5667, 5668]	6437	[8407, 8408]	9206	[7856, 1058]
900	[64, 1678]	3669	[5669, 5670]	6438	[8409, 1484]	9207	[10300, 8731]
901	[1679, 1680]	3670	[5501, 5671]	6439	[4166, 8410]	9208	[8473, 10301]
902	[1681, 1682]	3671	[5672, 242]	6440	[4413, 501]	9209	[10210, 3578]
903	[1683, 1684]	3672	[5457, 5673]	6441	[3760, 4789]	9210	[8649, 7372]
904	[1685, 275]	3673	[5674, 5675]	6442	[8411, 1296]	9211	[10302, 3166]
905	[1686, 1687]	3674	[5676, 2803]	6443	[1728, 8412]	9212	[10303, 10304]
906	[1688, 1689]	3675	[2968, 5677]	6444	[8413, 4860]	9213	[10305, 3680]
907	[1690, 1691]	3676	[4971, 5457]	6445	[8414, 8069]	9214	[4745, 405]
908	[1692, 1693]	3677	[5678, 1806]	6446	[8415, 3991]	9215	[4318, 7317]
909	[1694, 1695]	3678	[5679, 5680]	6447	[7739, 7158]	9216	[4895, 8213]
910	[1696, 1242]	3679	[5124, 5681]	6448	[8416, 1312]	9217	[3548, 4727]
911	[1697, 1698]	3680	[5682, 5621]	6449	[4333, 8417]	9218	[10306, 3374]
912	[1699, 1178]	3681	[5683, 54]	6450	[8418, 1692]	9219	[10307, 3465]
913	[1700, 1701]	3682	[5684, 5356]	6451	[8419, 8420]	9220	[10308, 4845]
914	[1702, 1703]	3683	[2277, 5685]	6452	[8296, 8300]	9221	[10309, 3770]
915	[1704, 1705]	3684	[895, 5686]	6453	[7279, 3520]	9222	[10310, 8423]
916	[1706, 1707]	3685	[5687, 5688]	6454	[8421, 7819]	9223	[10311, 8030]
917	[1708, 1709]	3686	[5689, 2938]	6455	[8422, 4002]	9224	[10312, 7444]
918	[1710, 1711]	3687	[5690, 5691]	6456	[4649, 7708]	9225	[8371, 1068]
919	[274, 1712]	3688	[5692, 532]	6457	[1110, 8423]	9226	[10313, 4360]
920	[1713, 1714]	3689	[2515, 1803]	6458	[8424, 4519]	9227	[7596, 10226]
921	[1715, 1543]	3690	[5693, 5694]	6459	[8425, 7087]	9228	[4461, 10314]
922	[1716, 347]	3691	[5695, 5620]	6460	[335, 8426]	9229	[10315, 1126]
923	[1306, 1717]	3692	[5696, 5621]	6461	[4733, 4383]	9230	[8292, 4661]
924	[1718, 1719]	3693	[5697, 5698]	6462	[8132, 8427]	9231	[10316, 1607]
925	[262, 1720]	3694	[5699, 729]	6463	[8428, 4089]	9232	[10317, 7452]
926	[1294, 401]	3695	[5700, 1970]	6464	[4506, 3576]	9233	[7366, 7026]
927	[1411, 1721]	3696	[5701, 5702]	6465	[8429, 3848]	9234	[4617, 10318]
928	[1722, 1723]	3697	[5703, 5704]	6466	[8430, 8431]	9235	[7342, 341]
929	[1724, 1725]	3698	[1953, 2221]	6467	[8432, 7555]	9236	[373, 979]
930	[1726, 362]	3699	[5705, 5706]	6468	[7939, 7356]	9237	[7872, 4686]
931	[1727, 1728]	3700	[2586, 130]	6469	[8433, 4477]	9238	[7634, 1486]
932	[1729, 1730]	3701	[5707, 5708]	6470	[8434, 3888]	9239	[10319, 3551]
933	[1731, 1732]	3702	[5709, 248]	6471	[7501, 7209]	9240	[7242, 1145]

934	[1733, 1734]	3703	[5710, 5711]	6472	[3584, 3725]	9241	[10320, 7018]
935	[1735, 1736]	3704	[5712, 5713]	6473	[4417, 8179]	9242	[10321, 8686]
936	[1737, 1738]	3705	[1915, 5714]	6474	[8435, 3843]	9243	[10322, 1576]
937	[1152, 1739]	3706	[5715, 5716]	6475	[8373, 8436]	9244	[3579, 10240]
938	[1740, 1741]	3707	[5717, 253]	6476	[1638, 4307]	9245	[10323, 3715]
939	[1742, 1743]	3708	[5718, 5719]	6477	[8437, 7822]	9246	[308, 3643]
940	[1744, 1282]	3709	[2991, 5720]	6478	[8438, 8272]	9247	[10300, 7049]
941	[1745, 1746]	3710	[5721, 679]	6479	[8439, 3876]	9248	[10324, 3333]
942	[1747, 1748]	3711	[2133, 5722]	6480	[7813, 1098]	9249	[3443, 4802]
943	[1749, 1750]	3712	[5723, 2431]	6481	[3671, 419]	9250	[10325, 8459]
944	[1751, 1752]	3713	[5724, 2222]	6482	[1556, 7675]	9251	[10326, 1154]
945	[1753, 1754]	3714	[2515, 1834]	6483	[1706, 8440]	9252	[7462, 4945]
946	[1755, 1756]	3715	[5725, 1906]	6484	[3380, 8000]	9253	[10327, 8660]
947	[1757, 1758]	3716	[5726, 2372]	6485	[8441, 8442]	9254	[10328, 1676]
948	[1759, 1760]	3717	[2024, 5727]	6486	[1335, 3263]	9255	[8438, 8519]
949	[1761, 1762]	3718	[5728, 5729]	6487	[8443, 8444]	9256	[1387, 10152]
950	[1763, 1764]	3719	[5730, 5731]	6488	[8445, 3469]	9257	[10329, 7315]
951	[1765, 1766]	3720	[4994, 5732]	6489	[8446, 262]	9258	[7219, 7001]
952	[413, 1767]	3721	[5733, 5734]	6490	[7090, 3821]	9259	[8793, 10330]
953	[1768, 1769]	3722	[5735, 2924]	6491	[7355, 4041]	9260	[10331, 3252]
954	[1447, 1770]	3723	[2027, 3136]	6492	[8241, 8447]	9261	[7384, 3429]
955	[1771, 1371]	3724	[5736, 5737]	6493	[8448, 4740]	9262	[10332, 7373]
956	[1772, 1773]	3725	[5738, 2957]	6494	[8449, 8450]	9263	[10333, 110]
957	[1774, 1775]	3726	[5739, 5740]	6495	[1013, 7141]	9264	[3778, 7056]
958	[989, 1776]	3727	[5741, 2552]	6496	[8451, 3364]	9265	[10126, 1105]
959	[1777, 1778]	3728	[5206, 162]	6497	[8452, 1406]	9266	[8299, 8168]
960	[1779, 1780]	3729	[5742, 5743]	6498	[3793, 8453]	9267	[10334, 7660]
961	[1781, 1782]	3730	[2726, 5744]	6499	[7065, 4082]	9268	[8075, 1007]
962	[1182, 1410]	3731	[5745, 583]	6500	[8454, 8267]	9269	[7415, 3619]
963	[1783, 1784]	3732	[5746, 5491]	6501	[8092, 7749]	9270	[4366, 4005]
964	[1785, 1786]	3733	[5747, 5748]	6502	[8455, 8456]	9271	[10335, 1284]
965	[1787, 1788]	3734	[5749, 5750]	6503	[4310, 4810]	9272	[8174, 10336]
966	[1789, 1580]	3735	[933, 5751]	6504	[8457, 6983]	9273	[7989, 3754]
967	[1790, 1791]	3736	[5752, 5753]	6505	[8458, 3192]	9274	[10337, 7079]
968	[1792, 1793]	3737	[2397, 5754]	6506	[8155, 8459]	9275	[4755, 3877]
969	[1794, 1795]	3738	[5755, 5756]	6507	[8460, 7524]	9276	[10338, 4037]
970	[1796, 1797]	3739	[5025, 2769]	6508	[8461, 3658]	9277	[10339, 7732]
971	[1798, 163]	3740	[5757, 5758]	6509	[8462, 3260]	9278	[6984, 4130]
972	[1799, 1800]	3741	[644, 3080]	6510	[7413, 8054]	9279	[393, 10340]
973	[1801, 1802]	3742	[5759, 5751]	6511	[8463, 8417]	9280	[10341, 4758]
974	[1803, 1804]	3743	[5760, 5761]	6512	[8274, 4236]	9281	[7750, 7914]
975	[1805, 1806]	3744	[5762, 2332]	6513	[4004, 4442]	9282	[7606, 10342]
976	[1807, 1808]	3745	[2449, 5763]	6514	[8464, 8465]	9283	[10343, 8153]
977	[897, 1809]	3746	[5688, 5764]	6515	[334, 1304]	9284	[10344, 3988]

978	[1810, 1811]	3747	[2948, 5765]	6516	[8466, 1625]	9285	[7337, 7563]
979	[1812, 1813]	3748	[5766, 727]	6517	[8467, 8468]	9286	[8391, 8291]
980	[1814, 1815]	3749	[5767, 5768]	6518	[3233, 8469]	9287	[10345, 10222]
981	[1816, 1817]	3750	[817, 5769]	6519	[8470, 4566]	9288	[10346, 3663]
982	[1818, 1819]	3751	[5770, 5771]	6520	[8471, 7777]	9289	[8594, 10347]
983	[1820, 1821]	3752	[962, 5772]	6521	[8472, 1625]	9290	[3734, 4750]
984	[1822, 1823]	3753	[2967, 4986]	6522	[1208, 7537]	9291	[8574, 3338]
985	[1824, 181]	3754	[5773, 2991]	6523	[8473, 8474]	9292	[1263, 3347]
986	[1825, 1826]	3755	[3121, 962]	6524	[3253, 8475]	9293	[10348, 10349]
987	[950, 1827]	3756	[5774, 5775]	6525	[8476, 7943]	9294	[1359, 1142]
988	[1828, 1829]	3757	[5753, 2843]	6526	[7695, 7412]	9295	[10350, 984]
989	[1830, 1831]	3758	[5776, 2165]	6527	[3462, 7442]	9296	[8541, 8220]
990	[1832, 1833]	3759	[5777, 1989]	6528	[8477, 1187]	9297	[10351, 4602]
991	[1834, 1804]	3760	[5778, 5102]	6529	[8478, 1075]	9298	[8528, 4864]
992	[1835, 1836]	3761	[5779, 788]	6530	[375, 3430]	9299	[10352, 3187]
993	[1837, 1838]	3762	[5780, 5781]	6531	[8052, 3661]	9300	[10353, 7204]
994	[1839, 1840]	3763	[5782, 5644]	6532	[8479, 7753]	9301	[1328, 4728]
995	[1841, 1842]	3764	[5783, 5784]	6533	[8373, 8480]	9302	[4625, 10354]
996	[1843, 1844]	3765	[5785, 5010]	6534	[8481, 8482]	9303	[10355, 4101]
997	[1845, 1846]	3766	[856, 5786]	6535	[8483, 4794]	9304	[10356, 10357]
998	[1847, 520]	3767	[5702, 3123]	6536	[8484, 8150]	9305	[7463, 10358]
999	[1848, 1849]	3768	[5787, 151]	6537	[1634, 7917]	9306	[3617, 1785]
1000	[1850, 1851]	3769	[2314, 3053]	6538	[4174, 8485]	9307	[3759, 1184]
1001	[1852, 1853]	3770	[5788, 890]	6539	[8486, 8074]	9308	[7683, 10189]
1002	[1854, 1855]	3771	[5789, 724]	6540	[8487, 91]	9309	[4005, 8512]
1003	[1856, 1857]	3772	[5790, 5791]	6541	[8488, 3276]	9310	[10359, 8746]
1004	[1858, 1859]	3773	[5792, 3066]	6542	[7422, 8489]	9311	[7390, 4884]
1005	[1860, 1817]	3774	[5793, 5794]	6543	[7849, 8490]	9312	[76, 992]
1006	[1861, 1862]	3775	[5795, 5796]	6544	[8491, 7218]	9313	[8524, 10261]
1007	[1863, 156]	3776	[5797, 184]	6545	[8492, 7948]	9314	[10360, 1723]
1008	[1864, 1865]	3777	[583, 2550]	6546	[8493, 1192]	9315	[10361, 3779]
1009	[1866, 1867]	3778	[5798, 5799]	6547	[8494, 7570]	9316	[10362, 1211]
1010	[1868, 1869]	3779	[5800, 5801]	6548	[8495, 7473]	9317	[10363, 117]
1011	[1870, 1871]	3780	[5802, 5803]	6549	[8496, 8250]	9318	[8232, 4870]
1012	[1872, 1873]	3781	[5804, 5805]	6550	[3986, 8497]	9319	[10364, 4854]
1013	[1874, 1875]	3782	[5806, 722]	6551	[8498, 4160]	9320	[8654, 3730]
1014	[1876, 708]	3783	[2148, 5807]	6552	[3171, 1524]	9321	[1255, 27]
1015	[1877, 1878]	3784	[5808, 2192]	6553	[7046, 7195]	9322	[10365, 4896]
1016	[1879, 1880]	3785	[2677, 2139]	6554	[8499, 3963]	9323	[10366, 10367]
1017	[1881, 1882]	3786	[5317, 5809]	6555	[8500, 8501]	9324	[10368, 388]
1018	[1883, 1884]	3787	[5810, 2219]	6556	[7055, 8502]	9325	[10369, 1015]
1019	[1885, 1886]	3788	[2848, 2968]	6557	[8503, 8504]	9326	[8297, 10370]
1020	[1887, 1888]	3789	[5811, 5812]	6558	[4, 4103]	9327	[10371, 3270]
1021	[1889, 13]	3790	[1928, 5813]	6559	[8067, 3635]	9328	[10372, 6997]

1022	[1890, 1891]	3791	[5814, 5815]	6560	[8505, 3865]	9329	[7415, 3553]
1023	[1892, 1893]	3792	[2541, 5816]	6561	[8506, 4013]	9330	[7329, 10373]
1024	[1894, 1895]	3793	[5817, 5818]	6562	[1724, 8507]	9331	[10081, 3493]
1025	[1896, 829]	3794	[2994, 5819]	6563	[8508, 4542]	9332	[3701, 4288]
1026	[1897, 1898]	3795	[2851, 922]	6564	[8509, 7715]	9333	[1620, 4322]
1027	[1899, 1900]	3796	[5820, 5821]	6565	[1496, 8510]	9334	[10374, 470]
1028	[1901, 1902]	3797	[5822, 2940]	6566	[4396, 8511]	9335	[8642, 3480]
1029	[1903, 1904]	3798	[5823, 4985]	6567	[8512, 4660]	9336	[4943, 10375]
1030	[1905, 1906]	3799	[849, 5666]	6568	[8513, 8514]	9337	[10376, 4261]
1031	[1907, 1908]	3800	[5824, 5825]	6569	[8515, 4142]	9338	[7528, 3805]
1032	[1909, 1910]	3801	[5826, 2526]	6570	[8516, 4720]	9339	[10377, 7921]
1033	[1911, 1912]	3802	[5242, 5743]	6571	[8517, 7245]	9340	[10378, 4530]
1034	[1913, 1914]	3803	[5827, 5828]	6572	[8518, 7479]	9341	[7991, 1310]
1035	[1915, 1916]	3804	[682, 5829]	6573	[414, 1049]	9342	[8703, 7697]
1036	[901, 246]	3805	[5830, 5831]	6574	[8152, 7457]	9343	[8236, 10379]
1037	[1917, 892]	3806	[5832, 5833]	6575	[3842, 8023]	9344	[10380, 294]
1038	[1918, 1919]	3807	[5834, 5447]	6576	[8271, 8519]	9345	[1419, 10381]
1039	[1920, 1921]	3808	[5835, 5649]	6577	[8520, 8521]	9346	[8372, 1361]
1040	[1922, 1923]	3809	[5836, 3004]	6578	[8522, 8523]	9347	[7618, 3901]
1041	[1924, 1925]	3810	[60, 605]	6579	[8524, 8183]	9348	[3911, 4578]
1042	[56, 1926]	3811	[5837, 5804]	6580	[8525, 3540]	9349	[7522, 1057]
1043	[60, 1927]	3812	[5838, 5060]	6581	[8526, 3516]	9350	[10382, 3756]
1044	[1928, 1929]	3813	[2444, 2062]	6582	[8527, 3723]	9351	[4676, 10383]
1045	[1930, 1931]	3814	[5839, 5840]	6583	[466, 1058]	9352	[10384, 8383]
1046	[1932, 1933]	3815	[5841, 2865]	6584	[8528, 4953]	9353	[3194, 4494]
1047	[1934, 1935]	3816	[5842, 5843]	6585	[3576, 8529]	9354	[10385, 1161]
1048	[1936, 1937]	3817	[5844, 841]	6586	[8530, 1706]	9355	[10386, 1502]
1049	[1938, 1939]	3818	[5845, 5846]	6587	[1079, 3184]	9356	[10387, 3407]
1050	[1940, 1941]	3819	[5847, 5848]	6588	[8531, 7993]	9357	[10388, 7493]
1051	[1942, 1943]	3820	[5849, 2313]	6589	[8532, 4742]	9358	[10389, 7397]
1052	[1944, 1945]	3821	[5850, 5851]	6590	[8533, 7761]	9359	[4524, 7185]
1053	[1946, 1947]	3822	[5852, 2300]	6591	[8534, 8535]	9360	[10390, 10391]
1054	[1948, 1949]	3823	[54, 5853]	6592	[8536, 7163]	9361	[4696, 10266]
1055	[1950, 1951]	3824	[5854, 5855]	6593	[8537, 8120]	9362	[3162, 4394]
1056	[1952, 1953]	3825	[5856, 5238]	6594	[8538, 4707]	9363	[10392, 3824]
1057	[1954, 598]	3826	[5857, 5750]	6595	[8539, 7000]	9364	[8493, 3905]
1058	[1955, 1956]	3827	[5858, 5859]	6596	[7164, 3163]	9365	[8616, 7819]
1059	[903, 1957]	3828	[5860, 5861]	6597	[8540, 8541]	9366	[7670, 3395]
1060	[1958, 552]	3829	[5862, 5863]	6598	[3495, 8542]	9367	[1196, 10393]
1061	[1959, 922]	3830	[5864, 5771]	6599	[7257, 7734]	9368	[10394, 7239]
1062	[1960, 1961]	3831	[5071, 5153]	6600	[8543, 1515]	9369	[10366, 8697]
1063	[1962, 1963]	3832	[5865, 2920]	6601	[1071, 8544]	9370	[10395, 3645]
1064	[1964, 1965]	3833	[5764, 5010]	6602	[8545, 8040]	9371	[434, 3391]
1065	[1966, 579]	3834	[5866, 963]	6603	[8325, 7258]	9372	[10396, 7096]

1066	[1967, 1968]	3835	[2155, 5867]	6604	[7619, 4317]	9373	[7715, 3691]
1067	[1969, 1970]	3836	[5868, 2200]	6605	[3457, 8546]	9374	[8300, 7603]
1068	[1971, 1972]	3837	[710, 5869]	6606	[4872, 394]	9375	[7092, 10397]
1069	[1973, 1974]	3838	[5870, 706]	6607	[4442, 8547]	9376	[3606, 10142]
1070	[1975, 1976]	3839	[2927, 5063]	6608	[8548, 30]	9377	[10398, 7711]
1071	[1977, 1978]	3840	[5716, 1842]	6609	[1635, 7638]	9378	[10399, 10205]
1072	[1979, 1980]	3841	[5871, 5872]	6610	[7919, 1789]	9379	[10400, 7501]
1073	[1981, 1982]	3842	[2697, 5873]	6611	[1568, 7843]	9380	[10401, 7182]
1074	[794, 1925]	3843	[5874, 2767]	6612	[8549, 8142]	9381	[1128, 7116]
1075	[1983, 617]	3844	[5875, 2408]	6613	[4083, 3843]	9382	[7555, 8188]
1076	[1984, 1985]	3845	[5876, 5877]	6614	[8211, 8550]	9383	[10402, 7680]
1077	[1986, 1987]	3846	[5878, 3008]	6615	[3879, 8551]	9384	[10403, 8092]
1078	[679, 1988]	3847	[5879, 3094]	6616	[8552, 7935]	9385	[1007, 10404]
1079	[1989, 1990]	3848	[5880, 2416]	6617	[4433, 3988]	9386	[3561, 7001]
1080	[1838, 1991]	3849	[503, 2755]	6618	[3369, 8553]	9387	[10249, 10405]
1081	[1992, 1993]	3850	[5197, 5881]	6619	[8554, 4682]	9388	[7289, 10406]
1082	[1994, 904]	3851	[2330, 5882]	6620	[8555, 7348]	9389	[10407, 4968]
1083	[1995, 1996]	3852	[5883, 5884]	6621	[3555, 8556]	9390	[4558, 10408]
1084	[1997, 1998]	3853	[803, 3084]	6622	[3339, 7176]	9391	[83, 10195]
1085	[1999, 2000]	3854	[5885, 5886]	6623	[4532, 8557]	9392	[7208, 7256]
1086	[2001, 2002]	3855	[5887, 14]	6624	[3618, 1786]	9393	[10409, 4588]
1087	[2003, 2004]	3856	[5888, 5490]	6625	[3329, 8510]	9394	[7061, 7129]
1088	[2005, 2006]	3857	[5889, 2133]	6626	[8558, 8559]	9395	[7828, 8397]
1089	[2007, 2008]	3858	[5890, 5891]	6627	[4630, 8560]	9396	[7582, 10255]
1090	[2009, 2010]	3859	[5892, 5893]	6628	[8108, 8561]	9397	[7383, 3364]
1091	[2011, 2012]	3860	[5894, 2577]	6629	[8562, 4337]	9398	[4006, 4660]
1092	[2013, 2014]	3861	[5895, 2841]	6630	[8563, 1455]	9399	[10410, 8404]
1093	[2015, 780]	3862	[5896, 5415]	6631	[1732, 8564]	9400	[10411, 1096]
1094	[2016, 2017]	3863	[2537, 512]	6632	[3152, 8565]	9401	[10412, 3432]
1095	[2018, 2019]	3864	[5400, 621]	6633	[8566, 7637]	9402	[7977, 1400]
1096	[2020, 2021]	3865	[5897, 2591]	6634	[4105, 4028]	9403	[10413, 3239]
1097	[216, 2022]	3866	[5546, 4999]	6635	[8567, 4089]	9404	[10414, 8030]
1098	[2023, 2024]	3867	[5898, 5899]	6636	[4888, 7176]	9405	[10415, 8119]
1099	[2025, 61]	3868	[5900, 5816]	6637	[8568, 8569]	9406	[10416, 4031]
1100	[2026, 2027]	3869	[5740, 5020]	6638	[3462, 7744]	9407	[4689, 10347]
1101	[2028, 2029]	3870	[5901, 5569]	6639	[8570, 3295]	9408	[3298, 4436]
1102	[2030, 2031]	3871	[5139, 5902]	6640	[4461, 8102]	9409	[1183, 10144]
1103	[2032, 57]	3872	[3098, 5088]	6641	[7527, 3471]	9410	[10417, 8521]
1104	[2033, 2034]	3873	[5903, 2453]	6642	[8571, 1796]	9411	[10418, 3690]
1105	[2035, 598]	3874	[5904, 2119]	6643	[8572, 3795]	9412	[10419, 10420]
1106	[2036, 2037]	3875	[140, 5905]	6644	[8573, 7126]	9413	[3773, 10421]
1107	[2038, 954]	3876	[5906, 749]	6645	[8574, 7889]	9414	[1339, 1444]
1108	[2039, 2040]	3877	[39, 5907]	6646	[8575, 8490]	9415	[7492, 3858]
1109	[2041, 2042]	3878	[913, 2848]	6647	[8576, 7348]	9416	[7393, 10422]

1110	[1974, 2043]	3879	[130, 5908]	6648	[8197, 7740]	9417	[10423, 8048]
1111	[2044, 210]	3880	[5909, 5910]	6649	[1127, 8577]	9418	[10424, 10408]
1112	[2045, 2046]	3881	[2442, 5911]	6650	[8578, 7526]	9419	[7024, 10425]
1113	[2047, 783]	3882	[5912, 5913]	6651	[1503, 7320]	9420	[8747, 10426]
1114	[2048, 2049]	3883	[5914, 194]	6652	[8579, 1685]	9421	[10427, 3796]
1115	[2050, 1826]	3884	[5915, 5916]	6653	[8580, 8581]	9422	[10428, 4026]
1116	[573, 2051]	3885	[3885, 3885]	6654	[993, 1079]	9423	[10389, 10048]
1117	[2052, 2053]	3886	[5917, 563]	6655	[8087, 8321]	9424	[10429, 10430]
1118	[2054, 2055]	3887	[5918, 5919]	6656	[8582, 8583]	9425	[10327, 3650]
1119	[2056, 2057]	3888	[1943, 860]	6657	[7277, 7186]	9426	[8124, 7853]
1120	[2058, 2059]	3889	[5920, 3127]	6658	[8584, 7969]	9427	[10431, 4305]
1121	[2060, 2061]	3890	[5921, 5922]	6659	[8585, 1743]	9428	[8787, 10228]
1122	[2062, 2063]	3891	[5923, 576]	6660	[8586, 8298]	9429	[7734, 10432]
1123	[2064, 2065]	3892	[5924, 5925]	6661	[8587, 4569]	9430	[1234, 3259]
1124	[2066, 2067]	3893	[5926, 5156]	6662	[4936, 4555]	9431	[10433, 10434]
1125	[2068, 525]	3894	[5927, 5928]	6663	[4406, 8588]	9432	[10435, 1744]
1126	[2069, 2070]	3895	[5202, 5846]	6664	[1249, 8589]	9433	[4481, 3317]
1127	[2071, 2072]	3896	[1967, 2003]	6665	[8590, 4900]	9434	[10436, 1333]
1128	[2073, 2074]	3897	[5929, 2493]	6666	[8591, 93]	9435	[10437, 7403]
1129	[2075, 2076]	3898	[5930, 5931]	6667	[3929, 8592]	9436	[10438, 3634]
1130	[2077, 1846]	3899	[2179, 5932]	6668	[8593, 1285]	9437	[7736, 435]
1131	[2053, 2078]	3900	[1839, 5292]	6669	[1439, 481]	9438	[10439, 1497]
1132	[2079, 2080]	3901	[5933, 5050]	6670	[8594, 4690]	9439	[10440, 1458]
1133	[822, 2081]	3902	[5934, 5088]	6671	[8595, 8295]	9440	[10441, 1555]
1134	[2082, 2083]	3903	[5935, 2299]	6672	[8596, 8012]	9441	[10442, 10443]
1135	[2084, 2085]	3904	[2282, 5147]	6673	[3761, 8178]	9442	[401, 3220]
1136	[2086, 2087]	3905	[5936, 5937]	6674	[8597, 4123]	9443	[10329, 8484]
1137	[2088, 782]	3906	[5938, 5939]	6675	[8598, 4859]	9444	[7974, 7299]
1138	[2089, 2090]	3907	[5940, 2668]	6676	[7729, 3155]	9445	[10444, 7880]
1139	[2091, 2092]	3908	[5941, 3125]	6677	[8599, 3632]	9446	[4475, 1506]
1140	[2093, 2094]	3909	[5942, 5943]	6678	[7282, 8600]	9447	[4137, 8600]
1141	[2095, 2096]	3910	[5944, 2448]	6679	[4472, 8601]	9448	[3713, 8501]
1142	[2097, 2098]	3911	[2160, 5801]	6680	[1139, 7421]	9449	[8441, 1651]
1143	[2099, 2100]	3912	[5945, 5032]	6681	[7558, 7113]	9450	[1089, 4917]
1144	[2101, 2102]	3913	[5946, 522]	6682	[8602, 8603]	9451	[10445, 10179]
1145	[2103, 593]	3914	[5947, 5948]	6683	[8604, 4614]	9452	[8762, 7549]
1146	[2104, 2105]	3915	[5949, 5950]	6684	[8605, 3267]	9453	[7802, 1551]
1147	[2106, 2107]	3916	[5951, 5952]	6685	[78, 7371]	9454	[4132, 8346]
1148	[2108, 2109]	3917	[5953, 5921]	6686	[8606, 1736]	9455	[4442, 4177]
1149	[1, 2110]	3918	[5954, 1993]	6687	[8607, 1403]	9456	[10446, 10259]
1150	[593, 2111]	3919	[5955, 58]	6688	[8089, 3859]	9457	[4385, 1162]
1151	[2112, 2113]	3920	[2724, 5956]	6689	[7353, 8355]	9458	[10447, 8799]
1152	[2114, 2115]	3921	[5957, 5958]	6690	[8608, 1566]	9459	[10448, 7999]
1153	[681, 2116]	3922	[1885, 5959]	6691	[8609, 3258]	9460	[10124, 10449]

1154	[2117, 2118]	3923	[3112, 5960]	6692	[8610, 4659]	9461	[10450, 10194]
1155	[2119, 2120]	3924	[5961, 5962]	6693	[8611, 8612]	9462	[8672, 7232]
1156	[2121, 2122]	3925	[5963, 5964]	6694	[1773, 8613]	9463	[1116, 8079]
1157	[2123, 2124]	3926	[5965, 5966]	6695	[8614, 364]	9464	[4286, 1169]
1158	[703, 2125]	3927	[5967, 5968]	6696	[8615, 3456]	9465	[10451, 1352]
1159	[2126, 2127]	3928	[2016, 2321]	6697	[8616, 4909]	9466	[8122, 4502]
1160	[2128, 904]	3929	[2172, 5593]	6698	[8617, 8618]	9467	[10452, 7274]
1161	[2129, 2130]	3930	[5969, 776]	6699	[3570, 1656]	9468	[10453, 8541]
1162	[2120, 2131]	3931	[5970, 2005]	6700	[3923, 4920]	9469	[8770, 4625]
1163	[2132, 2133]	3932	[5971, 5361]	6701	[8619, 8620]	9470	[8624, 996]
1164	[2134, 2135]	3933	[2880, 5972]	6702	[8621, 3739]	9471	[10454, 10455]
1165	[2136, 2137]	3934	[5973, 5974]	6703	[8622, 8623]	9472	[10456, 10233]
1166	[2138, 2139]	3935	[5975, 5171]	6704	[6984, 8624]	9473	[10390, 10457]
1167	[2140, 2141]	3936	[5976, 5977]	6705	[8625, 4125]	9474	[10458, 4066]
1168	[163, 2142]	3937	[5978, 5017]	6706	[8626, 4822]	9475	[10459, 3281]
1169	[2143, 2144]	3938	[630, 42]	6707	[8627, 8628]	9476	[10460, 1336]
1170	[2145, 608]	3939	[5979, 5511]	6708	[8629, 8630]	9477	[8194, 483]
1171	[2146, 594]	3940	[5980, 5869]	6709	[3612, 8231]	9478	[1453, 8131]
1172	[2147, 2148]	3941	[5770, 5981]	6710	[8168, 1260]	9479	[1155, 3441]
1173	[2149, 2150]	3942	[5982, 737]	6711	[7263, 7873]	9480	[10461, 4181]
1174	[2151, 1961]	3943	[5983, 796]	6712	[1021, 8631]	9481	[10359, 8535]
1175	[735, 2152]	3944	[5984, 5206]	6713	[8632, 8633]	9482	[8048, 8128]
1176	[2153, 2154]	3945	[3050, 2095]	6714	[3923, 8634]	9483	[10462, 4337]
1177	[2155, 2156]	3946	[5985, 5472]	6715	[467, 1059]	9484	[8533, 3606]
1178	[2157, 2158]	3947	[1882, 5986]	6716	[7826, 346]	9485	[10463, 1002]
1179	[744, 2159]	3948	[5987, 2333]	6717	[8635, 8636]	9486	[10464, 8733]
1180	[2061, 2160]	3949	[5988, 5986]	6718	[8637, 4759]	9487	[10465, 1129]
1181	[2161, 228]	3950	[5989, 5113]	6719	[8638, 8639]	9488	[10466, 8742]
1182	[2162, 2163]	3951	[3050, 5990]	6720	[8093, 4093]	9489	[10467, 7086]
1183	[2164, 1836]	3952	[2816, 5991]	6721	[8640, 4465]	9490	[10468, 3243]
1184	[2165, 2166]	3953	[5992, 5993]	6722	[3729, 8641]	9491	[10469, 3223]
1185	[2167, 2168]	3954	[3038, 5994]	6723	[8481, 3704]	9492	[10470, 3538]
1186	[2169, 2170]	3955	[685, 234]	6724	[7072, 15]	9493	[10471, 402]
1187	[2171, 2172]	3956	[5648, 5543]	6725	[7364, 1298]	9494	[4551, 10040]
1188	[2173, 2174]	3957	[5995, 232]	6726	[4647, 3517]	9495	[10472, 7940]
1189	[2175, 2176]	3958	[693, 5650]	6727	[1222, 1608]	9496	[8537, 8043]
1190	[2177, 944]	3959	[5996, 5997]	6728	[7233, 1364]	9497	[8243, 4228]
1191	[2178, 2179]	3960	[5673, 2059]	6729	[3438, 8642]	9498	[10473, 4776]
1192	[2180, 2181]	3961	[4981, 5310]	6730	[112, 7903]	9499	[10474, 3465]
1193	[2182, 2183]	3962	[5998, 2521]	6731	[8643, 7859]	9500	[3763, 8748]
1194	[2184, 2185]	3963	[5094, 5999]	6732	[4482, 3513]	9501	[10475, 1690]
1195	[2186, 2187]	3964	[6000, 6001]	6733	[16, 4311]	9502	[10476, 4417]
1196	[2188, 591]	3965	[6002, 6003]	6734	[7616, 8644]	9503	[10477, 3657]
1197	[2189, 2190]	3966	[5872, 5896]	6735	[3817, 8645]	9504	[8659, 3650]

1198	[2191, 2192]	3967	[2649, 6004]	6736	[3805, 1654]	9505	[10478, 1177]
1199	[214, 2193]	3968	[1948, 6005]	6737	[8646, 7680]	9506	[10479, 4513]
1200	[2150, 2194]	3969	[6006, 2379]	6738	[8318, 8647]	9507	[7326, 8375]
1201	[2195, 2196]	3970	[6007, 1963]	6739	[8648, 7253]	9508	[10480, 10244]
1202	[2031, 2197]	3971	[6008, 6009]	6740	[8211, 7543]	9509	[4665, 7317]
1203	[2198, 2199]	3972	[6010, 2556]	6741	[8649, 1009]	9510	[4702, 10481]
1204	[2200, 2201]	3973	[6011, 3078]	6742	[8650, 8651]	9511	[1423, 438]
1205	[2202, 2203]	3974	[2881, 6012]	6743	[4162, 3754]	9512	[3487, 4567]
1206	[2204, 2205]	3975	[6013, 6014]	6744	[8505, 1172]	9513	[10482, 7698]
1207	[2206, 2207]	3976	[6015, 6016]	6745	[8652, 319]	9514	[10483, 7241]
1208	[2208, 2209]	3977	[6017, 6018]	6746	[3855, 8653]	9515	[3314, 10484]
1209	[2210, 2211]	3978	[139, 6019]	6747	[8654, 8641]	9516	[4740, 8184]
1210	[2212, 2213]	3979	[6020, 2862]	6748	[4340, 7661]	9517	[7197, 3152]
1211	[2214, 2215]	3980	[5133, 6021]	6749	[8570, 7003]	9518	[8460, 3377]
1212	[547, 2216]	3981	[5493, 2148]	6750	[4621, 4942]	9519	[10485, 4398]
1213	[2217, 2218]	3982	[6022, 5808]	6751	[7418, 4937]	9520	[1635, 4590]
1214	[2219, 2220]	3983	[6023, 148]	6752	[8655, 7927]	9521	[10486, 394]
1215	[2221, 2222]	3984	[6024, 2649]	6753	[8656, 4609]	9522	[10487, 8581]
1216	[2223, 2224]	3985	[6025, 6026]	6754	[8657, 7450]	9523	[10488, 10489]
1217	[2225, 2226]	3986	[5796, 5193]	6755	[7661, 8658]	9524	[10490, 4586]
1218	[2227, 2228]	3987	[6027, 57]	6756	[8659, 8660]	9525	[10491, 8283]
1219	[857, 2229]	3988	[6028, 6029]	6757	[8188, 8661]	9526	[1118, 7559]
1220	[2230, 2231]	3989	[6030, 764]	6758	[8662, 3656]	9527	[4849, 7704]
1221	[2232, 2233]	3990	[2020, 2607]	6759	[8663, 7206]	9528	[4154, 3167]
1222	[2234, 2235]	3991	[6031, 2693]	6760	[7864, 8664]	9529	[1728, 4823]
1223	[2236, 2237]	3992	[6032, 2186]	6761	[8665, 7873]	9530	[7952, 1270]
1224	[901, 2238]	3993	[6033, 2949]	6762	[7311, 3433]	9531	[7744, 7443]
1225	[2239, 2240]	3994	[6034, 6035]	6763	[8666, 3756]	9532	[10360, 7639]
1226	[2241, 2242]	3995	[6036, 2061]	6764	[3634, 3716]	9533	[3331, 8223]
1227	[2243, 629]	3996	[2495, 6037]	6765	[8667, 7114]	9534	[10492, 3179]
1228	[2244, 158]	3997	[6038, 6039]	6766	[1312, 1231]	9535	[7870, 7072]
1229	[2245, 2246]	3998	[6040, 6041]	6767	[8668, 8267]	9536	[1026, 8187]
1230	[2247, 2248]	3999	[6042, 5962]	6768	[7231, 8669]	9537	[10493, 8202]
1231	[2249, 1860]	4000	[5869, 6043]	6769	[7485, 8089]	9538	[8470, 4471]
1232	[2250, 2251]	4001	[6044, 5295]	6770	[3905, 4326]	9539	[4095, 378]
1233	[2252, 2253]	4002	[1851, 2002]	6771	[7094, 3255]	9540	[10494, 10495]
1234	[2254, 2255]	4003	[6045, 2679]	6772	[8670, 4634]	9541	[10496, 4114]
1235	[2256, 2257]	4004	[6046, 5463]	6773	[3209, 3710]	9542	[10497, 4703]
1236	[2258, 1874]	4005	[6047, 6048]	6774	[6997, 3811]	9543	[7508, 7070]
1237	[2259, 251]	4006	[6049, 4992]	6775	[8671, 7579]	9544	[10498, 3500]
1238	[2260, 2261]	4007	[2650, 6050]	6776	[8672, 8669]	9545	[10499, 7961]
1239	[2262, 2263]	4008	[2997, 6051]	6777	[1093, 8673]	9546	[10500, 10265]
1240	[2264, 2265]	4009	[6052, 5972]	6778	[4862, 4752]	9547	[7612, 479]
1241	[2266, 2267]	4010	[6053, 2839]	6779	[3200, 4844]	9548	[4847, 107]

1242	[2268, 2269]	4011	[5413, 619]	6780	[8674, 8675]	9549	[7278, 3519]
1243	[2270, 2271]	4012	[1861, 6054]	6781	[19, 8676]	9550	[10493, 10501]
1244	[2272, 2273]	4013	[6055, 5920]	6782	[7873, 8677]	9551	[3495, 8329]
1245	[2274, 2275]	4014	[6056, 6057]	6783	[1684, 8678]	9552	[4883, 7391]
1246	[2276, 2277]	4015	[622, 6058]	6784	[8679, 8680]	9553	[10502, 7099]
1247	[2278, 2279]	4016	[6059, 6060]	6785	[7945, 8282]	9554	[8136, 8744]
1248	[2280, 2281]	4017	[5448, 6061]	6786	[3442, 4297]	9555	[4058, 10503]
1249	[2282, 2283]	4018	[6062, 2576]	6787	[1145, 8681]	9556	[10504, 1432]
1250	[2284, 2285]	4019	[2956, 2808]	6788	[7198, 4826]	9557	[4248, 8115]
1251	[2286, 2287]	4020	[6063, 6064]	6789	[8065, 7505]	9558	[4822, 8412]
1252	[2288, 2289]	4021	[6065, 6066]	6790	[8682, 8107]	9559	[4042, 4440]
1253	[2290, 2293]	4022	[6067, 6068]	6791	[3611, 4346]	9560	[10505, 7841]
1254	[2291, 2292]	4023	[6069, 2308]	6792	[8683, 3431]	9561	[4855, 1277]
1255	[2293, 2294]	4024	[6070, 2497]	6793	[4555, 3610]	9562	[3362, 10506]
1256	[2295, 2127]	4025	[6071, 6072]	6794	[7975, 8684]	9563	[3433, 10507]
1257	[2296, 2297]	4026	[6073, 6074]	6795	[8103, 1529]	9564	[10508, 4604]
1258	[2298, 2299]	4027	[6075, 6076]	6796	[4467, 7902]	9565	[10509, 4003]
1259	[2300, 2260]	4028	[3036, 2395]	6797	[6, 4345]	9566	[10510, 10046]
1260	[2301, 2302]	4029	[6077, 2583]	6798	[8685, 7826]	9567	[10511, 1182]
1261	[2303, 2304]	4030	[6078, 2495]	6799	[8686, 4846]	9568	[10512, 4322]
1262	[2305, 2306]	4031	[1828, 6079]	6800	[4294, 4526]	9569	[8263, 10513]
1263	[2307, 2308]	4032	[6080, 2980]	6801	[8221, 1534]	9570	[10514, 1542]
1264	[2309, 2267]	4033	[6081, 5208]	6802	[8687, 4095]	9571	[4050, 4510]
1265	[2310, 607]	4034	[6082, 639]	6803	[8688, 4372]	9572	[324, 10515]
1266	[2311, 2312]	4035	[6083, 6084]	6804	[1155, 7651]	9573	[10516, 10495]
1267	[2313, 2314]	4036	[882, 2691]	6805	[8494, 3591]	9574	[7448, 3189]
1268	[2315, 2316]	4037	[6085, 220]	6806	[8689, 4719]	9575	[7130, 273]
1269	[2317, 2269]	4038	[6086, 5671]	6807	[8690, 7892]	9576	[335, 3504]
1270	[2318, 2319]	4039	[2540, 5900]	6808	[8691, 8514]	9577	[10517, 10375]
1271	[2320, 2321]	4040	[6087, 799]	6809	[1587, 4676]	9578	[8780, 3422]
1272	[2322, 2323]	4041	[6088, 2548]	6810	[8692, 3681]	9579	[10518, 4578]
1273	[2324, 2325]	4042	[6089, 3120]	6811	[8665, 7264]	9580	[8698, 4727]
1274	[2326, 2327]	4043	[6090, 811]	6812	[7042, 8693]	9581	[7949, 10223]
1275	[2328, 2329]	4044	[6091, 5686]	6813	[8694, 1532]	9582	[7145, 3205]
1276	[1888, 2330]	4045	[6092, 6093]	6814	[7758, 8695]	9583	[10519, 8450]
1277	[2331, 2332]	4046	[841, 6094]	6815	[8696, 8697]	9584	[7644, 3565]
1278	[2333, 2334]	4047	[2024, 6095]	6816	[446, 3547]	9585	[7501, 4412]
1279	[2335, 2336]	4048	[6096, 6097]	6817	[8698, 1702]	9586	[81, 7585]
1280	[772, 2337]	4049	[640, 6098]	6818	[1090, 8373]	9587	[3544, 1705]
1281	[2338, 2337]	4050	[6099, 951]	6819	[8699, 7967]	9588	[7784, 10357]
1282	[2339, 2340]	4051	[6100, 955]	6820	[8261, 4401]	9589	[8650, 10520]
1283	[2341, 763]	4052	[149, 6101]	6821	[7923, 4825]	9590	[8732, 10521]
1284	[2342, 2343]	4053	[6102, 2051]	6822	[3452, 8700]	9591	[10522, 10523]
1285	[2344, 2345]	4054	[6007, 6103]	6823	[1142, 7154]	9592	[10524, 7698]

1286	[2346, 2347]	4055	[6104, 2830]	6824	[8421, 4909]	9593	[10525, 1760]
1287	[2348, 2349]	4056	[722, 6105]	6825	[7118, 7472]	9594	[1556, 7352]
1288	[2350, 2351]	4057	[5108, 6106]	6826	[8322, 1673]	9595	[10526, 1128]
1289	[2352, 2353]	4058	[6107, 6108]	6827	[3417, 4005]	9596	[10527, 7127]
1290	[970, 2354]	4059	[6109, 6110]	6828	[7530, 4466]	9597	[8346, 416]
1291	[2355, 2356]	4060	[6111, 168]	6829	[8701, 8702]	9598	[10528, 10529]
1292	[2357, 146]	4061	[6112, 6113]	6830	[8430, 1403]	9599	[7422, 10530]
1293	[2358, 779]	4062	[6114, 6115]	6831	[4568, 1789]	9600	[10531, 10532]
1294	[2359, 2360]	4063	[6116, 6117]	6832	[8703, 8704]	9601	[7608, 10247]
1295	[2361, 2362]	4064	[6118, 5587]	6833	[8705, 4761]	9602	[1662, 10530]
1296	[2363, 2364]	4065	[6119, 6120]	6834	[4586, 975]	9603	[1366, 10264]
1297	[2365, 1838]	4066	[6121, 2421]	6835	[8706, 8007]	9604	[8092, 8764]
1298	[2366, 812]	4067	[2286, 3132]	6836	[8707, 3208]	9605	[10470, 1126]
1299	[2367, 1834]	4068	[6122, 6123]	6837	[8708, 7221]	9606	[10533, 3638]
1300	[2368, 2369]	4069	[6124, 5090]	6838	[8709, 4512]	9607	[4557, 8436]
1301	[2370, 2371]	4070	[860, 6125]	6839	[3692, 3629]	9608	[10534, 10159]
1302	[2372, 2373]	4071	[6126, 6127]	6840	[7380, 1169]	9609	[1041, 10535]
1303	[2374, 2375]	4072	[946, 6128]	6841	[1471, 8710]	9610	[3794, 78]
1304	[2376, 2377]	4073	[6129, 2236]	6842	[4936, 5]	9611	[10302, 1392]
1305	[2378, 2379]	4074	[6130, 5072]	6843	[8711, 8712]	9612	[10517, 4944]
1306	[2380, 2152]	4075	[1961, 5818]	6844	[7554, 7783]	9613	[1519, 1561]
1307	[2381, 510]	4076	[2403, 6131]	6845	[8713, 7105]	9614	[10536, 4061]
1308	[2382, 2383]	4077	[5794, 6132]	6846	[8714, 4957]	9615	[8346, 7417]
1309	[2384, 2385]	4078	[2609, 5815]	6847	[8715, 1086]	9616	[10537, 7831]
1310	[2386, 2387]	4079	[6133, 6134]	6848	[4911, 8684]	9617	[4934, 3678]
1311	[2388, 2389]	4080	[6135, 5769]	6849	[8716, 8136]	9618	[10442, 4875]
1312	[2390, 956]	4081	[6136, 784]	6850	[8717, 1751]	9619	[10096, 10297]
1313	[2391, 2392]	4082	[6137, 6138]	6851	[8718, 1330]	9620	[7211, 3566]
1314	[2393, 2394]	4083	[6139, 6140]	6852	[4779, 7112]	9621	[10538, 7665]
1315	[2395, 585]	4084	[6141, 5096]	6853	[7104, 7574]	9622	[3515, 3683]
1316	[2396, 2397]	4085	[2933, 3029]	6854	[7094, 7050]	9623	[10539, 1772]
1317	[2398, 2399]	4086	[6142, 6143]	6855	[8719, 8577]	9624	[7417, 4867]
1318	[2400, 2401]	4087	[2437, 2999]	6856	[3145, 8720]	9625	[10060, 8070]
1319	[2402, 959]	4088	[5973, 6144]	6857	[3165, 1392]	9626	[3210, 1077]
1320	[2403, 2404]	4089	[871, 6145]	6858	[978, 1646]	9627	[10540, 3283]
1321	[36, 2067]	4090	[6146, 166]	6859	[8721, 284]	9628	[10541, 3298]
1322	[2405, 2406]	4091	[6147, 2128]	6860	[8705, 7097]	9629	[10542, 8366]
1323	[2407, 2408]	4092	[6148, 812]	6861	[7035, 4272]	9630	[7317, 4410]
1324	[2409, 2410]	4093	[2748, 5401]	6862	[8722, 7927]	9631	[10543, 4423]
1325	[2411, 2412]	4094	[6149, 5479]	6863	[385, 1475]	9632	[10544, 10391]
1326	[2413, 2414]	4095	[6150, 738]	6864	[4948, 1356]	9633	[8435, 4084]
1327	[2415, 2416]	4096	[6151, 6062]	6865	[8714, 4210]	9634	[1747, 7871]
1328	[2417, 2418]	4097	[6152, 6153]	6866	[1458, 397]	9635	[3651, 4144]
1329	[2419, 2420]	4098	[550, 2158]	6867	[4131, 101]	9636	[10415, 8279]

1330	[156, 36]	4099	[6154, 2884]	6868	[8723, 8724]	9637	[10545, 7329]
1331	[2421, 2422]	4100	[6155, 5135]	6869	[8725, 1455]	9638	[3562, 8369]
1332	[2423, 2424]	4101	[6156, 5517]	6870	[8726, 1250]	9639	[7040, 10124]
1333	[2425, 2426]	4102	[5964, 882]	6871	[8727, 3407]	9640	[3560, 343]
1334	[2427, 2428]	4103	[6157, 5605]	6872	[4155, 1440]	9641	[10546, 4654]
1335	[2429, 601]	4104	[6158, 3036]	6873	[8728, 1444]	9642	[7015, 7129]
1336	[2430, 2431]	4105	[6159, 6160]	6874	[8729, 1448]	9643	[10146, 4806]
1337	[2432, 2175]	4106	[6161, 6162]	6875	[8730, 275]	9644	[277, 359]
1338	[2433, 2177]	4107	[142, 2970]	6876	[7048, 8731]	9645	[10195, 4916]
1339	[2222, 753]	4108	[6163, 6164]	6877	[1287, 8025]	9646	[8097, 483]
1340	[2434, 856]	4109	[6165, 6166]	6878	[8732, 8733]	9647	[10547, 8564]
1341	[2435, 2436]	4110	[5352, 6167]	6879	[4382, 4734]	9648	[10548, 10268]
1342	[2437, 2438]	4111	[254, 6037]	6880	[1526, 4248]	9649	[7673, 4265]
1343	[2439, 2440]	4112	[6168, 2486]	6881	[8734, 4181]	9650	[1523, 3172]
1344	[2441, 2442]	4113	[6169, 5293]	6882	[4503, 8735]	9651	[7926, 1145]
1345	[2443, 2444]	4114	[6170, 5310]	6883	[278, 3623]	9652	[3806, 8753]
1346	[2445, 201]	4115	[6171, 3026]	6884	[4118, 8653]	9653	[8706, 7379]
1347	[2446, 2447]	4116	[2285, 5458]	6885	[8629, 8736]	9654	[10549, 8211]
1348	[2448, 2449]	4117	[6172, 6173]	6886	[8737, 8738]	9655	[10128, 10550]
1349	[2450, 561]	4118	[6174, 5600]	6887	[7589, 8739]	9656	[10065, 3453]
1350	[2451, 2452]	4119	[6175, 6176]	6888	[8740, 7445]	9657	[10551, 3785]
1351	[2453, 908]	4120	[6177, 1996]	6889	[8741, 8742]	9658	[10552, 8633]
1352	[2454, 1799]	4121	[6178, 5018]	6890	[8135, 398]	9659	[403, 7999]
1353	[2418, 2455]	4122	[6179, 6001]	6891	[8743, 1280]	9660	[1303, 335]
1354	[2456, 2457]	4123	[6180, 5820]	6892	[8112, 4245]	9661	[7264, 8677]
1355	[2458, 2081]	4124	[5491, 2137]	6893	[398, 8744]	9662	[10134, 10553]
1356	[2459, 874]	4125	[54, 571]	6894	[3411, 4881]	9663	[7696, 8704]
1357	[805, 2460]	4126	[6181, 5839]	6895	[8745, 65]	9664	[4346, 273]
1358	[2461, 2462]	4127	[5693, 2342]	6896	[8534, 8746]	9665	[8774, 7837]
1359	[2463, 2464]	4128	[6182, 5503]	6897	[7095, 8747]	9666	[7806, 1022]
1360	[2465, 2466]	4129	[6183, 6184]	6898	[270, 8748]	9667	[4134, 3365]
1361	[2467, 2468]	4130	[6185, 1845]	6899	[7406, 433]	9668	[7867, 7459]
1362	[2469, 2470]	4131	[6186, 1853]	6900	[8749, 7236]	9669	[8076, 10404]
1363	[2471, 218]	4132	[6187, 6188]	6901	[8750, 8751]	9670	[10467, 8425]
1364	[2472, 823]	4133	[6189, 6190]	6902	[3753, 3316]	9671	[3193, 4493]
1365	[599, 2473]	4134	[6191, 6192]	6903	[8752, 8753]	9672	[10554, 1128]
1366	[2474, 2475]	4135	[6193, 790]	6904	[8754, 8755]	9673	[8389, 8241]
1367	[2476, 2477]	4136	[6194, 6195]	6905	[8756, 8757]	9674	[8579, 8730]
1368	[2478, 2479]	4137	[6196, 6197]	6906	[4389, 1362]	9675	[8484, 10555]
1369	[2480, 2481]	4138	[5060, 6198]	6907	[7294, 7353]	9676	[10556, 8469]
1370	[637, 2482]	4139	[6199, 5260]	6908	[8758, 1518]	9677	[10557, 1782]
1371	[2483, 2484]	4140	[6200, 6201]	6909	[8759, 1194]	9678	[10558, 10559]
1372	[2485, 2486]	4141	[6202, 2774]	6910	[8551, 3420]	9679	[10560, 10561]
1373	[2487, 2144]	4142	[2107, 2345]	6911	[8760, 7284]	9680	[10368, 4430]

1374	[2488, 2489]	4143	[6203, 506]	6912	[8761, 3326]	9681	[10388, 7673]
1375	[2490, 732]	4144	[6204, 6205]	6913	[8716, 398]	9682	[10562, 1642]
1376	[2491, 2492]	4145	[5631, 6206]	6914	[8324, 8762]	9683	[4011, 10563]
1377	[2493, 2494]	4146	[6207, 6208]	6915	[4771, 8237]	9684	[4259, 4262]
1378	[253, 2495]	4147	[6209, 5034]	6916	[4774, 7295]	9685	[4543, 10425]
1379	[2496, 2497]	4148	[6210, 6211]	6917	[8069, 8763]	9686	[10171, 3829]
1380	[2498, 2499]	4149	[6212, 5212]	6918	[8660, 4143]	9687	[7341, 7484]
1381	[2500, 2501]	4150	[5352, 6213]	6919	[7748, 8764]	9688	[10564, 6974]
1382	[2502, 1880]	4151	[6214, 5214]	6920	[8765, 3857]	9689	[3551, 10565]
1383	[2503, 2504]	4152	[6215, 6216]	6921	[3880, 8766]	9690	[10566, 7742]
1384	[2505, 2506]	4153	[5999, 6217]	6922	[8348, 431]	9691	[8153, 10567]
1385	[2507, 2508]	4154	[853, 6218]	6923	[8767, 4448]	9692	[4962, 10568]
1386	[2509, 657]	4155	[855, 2598]	6924	[8768, 8769]	9693	[4575, 10208]
1387	[2510, 1875]	4156	[6219, 6220]	6925	[8770, 8771]	9694	[7116, 4716]
1388	[2511, 2072]	4157	[2707, 524]	6926	[8772, 3215]	9695	[984, 1673]
1389	[2512, 2513]	4158	[6084, 1972]	6927	[6982, 7675]	9696	[7887, 3994]
1390	[2514, 2515]	4159	[6221, 6222]	6928	[8773, 1293]	9697	[1050, 7783]
1391	[2516, 2517]	4160	[6223, 2473]	6929	[3208, 4374]	9698	[8525, 8147]
1392	[2518, 2519]	4161	[6224, 6225]	6930	[8774, 1539]	9699	[10569, 7602]
1393	[2520, 2521]	4162	[6226, 6227]	6931	[4120, 3617]	9700	[10338, 7165]
1394	[2522, 2523]	4163	[3070, 2196]	6932	[8136, 399]	9701	[7672, 7493]
1395	[2291, 2524]	4164	[852, 2220]	6933	[1431, 448]	9702	[10437, 10087]
1396	[2525, 2526]	4165	[6228, 6229]	6934	[8775, 25]	9703	[7217, 10570]
1397	[2527, 2528]	4166	[6230, 5049]	6935	[7344, 29]	9704	[4147, 10571]
1398	[2529, 650]	4167	[946, 2512]	6936	[1712, 8557]	9705	[4771, 10379]
1399	[2530, 2531]	4168	[6231, 6119]	6937	[7174, 7450]	9706	[3576, 10572]
1400	[2532, 1977]	4169	[6232, 6233]	6938	[8776, 8603]	9707	[8163, 3139]
1401	[2533, 726]	4170	[6234, 6235]	6939	[498, 8777]	9708	[10573, 10513]
1402	[2534, 2535]	4171	[6236, 6237]	6940	[8778, 317]	9709	[4708, 8149]
1403	[2536, 2537]	4172	[5524, 6238]	6941	[7670, 971]	9710	[1003, 10574]
1404	[2538, 2134]	4173	[6239, 2511]	6942	[8779, 1474]	9711	[10575, 10116]
1405	[636, 2539]	4174	[6240, 6241]	6943	[7458, 7868]	9712	[10576, 314]
1406	[2540, 2541]	4175	[1904, 5125]	6944	[4751, 4863]	9713	[1464, 10577]
1407	[2542, 2348]	4176	[6242, 6243]	6945	[8780, 3182]	9714	[1018, 7518]
1408	[127, 2543]	4177	[6244, 5128]	6946	[4880, 3412]	9715	[4089, 10523]
1409	[2544, 2310]	4178	[6245, 6246]	6947	[7384, 375]	9716	[10578, 3529]
1410	[2545, 2546]	4179	[536, 6247]	6948	[3351, 8781]	9717	[10579, 7223]
1411	[2356, 2219]	4180	[6248, 5401]	6949	[8249, 4344]	9718	[8635, 10580]
1412	[2547, 2548]	4181	[6249, 2372]	6950	[8782, 366]	9719	[8634, 4921]
1413	[2549, 2550]	4182	[6250, 5324]	6951	[4075, 4890]	9720	[10581, 4718]
1414	[2551, 2552]	4183	[6251, 6054]	6952	[8783, 8468]	9721	[3240, 10582]
1415	[2553, 2554]	4184	[6252, 6253]	6953	[1358, 3324]	9722	[371, 7468]
1416	[2555, 2556]	4185	[5384, 5161]	6954	[8784, 4880]	9723	[10583, 7368]
1417	[2557, 2558]	4186	[5114, 2335]	6955	[8785, 1514]	9724	[7905, 10333]

1418	[2559, 2560]	4187	[6254, 5991]	6956	[8606, 4536]	9725	[1327, 1730]
1419	[2561, 2562]	4188	[6255, 6256]	6957	[8786, 1011]	9726	[256, 3907]
1420	[2563, 2564]	4189	[190, 6257]	6958	[8787, 8788]	9727	[4416, 3914]
1421	[2565, 2566]	4190	[6113, 6258]	6959	[8789, 1686]	9728	[10584, 3305]
1422	[2567, 2568]	4191	[6259, 6260]	6960	[8790, 3694]	9729	[10585, 7195]
1423	[2279, 850]	4192	[6261, 1946]	6961	[1317, 8791]	9730	[10586, 7246]
1424	[2569, 2570]	4193	[6262, 6263]	6962	[8792, 7003]	9731	[10587, 10588]
1425	[2571, 2572]	4194	[2000, 6264]	6963	[8793, 7147]	9732	[7615, 7857]
1426	[2573, 2574]	4195	[6265, 5136]	6964	[4468, 7790]	9733	[1751, 8229]
1427	[2575, 2576]	4196	[6266, 845]	6965	[1169, 8209]	9734	[1709, 7515]
1428	[2577, 2578]	4197	[6267, 2823]	6966	[8794, 7269]	9735	[10589, 7971]
1429	[2579, 2580]	4198	[3078, 6268]	6967	[7694, 7411]	9736	[8177, 7448]
1430	[2581, 2582]	4199	[6269, 4986]	6968	[8795, 1031]	9737	[8328, 8542]
1431	[2583, 2584]	4200	[6270, 6271]	6969	[8796, 3767]	9738	[1083, 4062]
1432	[2585, 2586]	4201	[2535, 970]	6970	[8797, 8710]	9739	[10590, 7930]
1433	[195, 2587]	4202	[2884, 1931]	6971	[8798, 8799]	9740	[8482, 10591]
1434	[2548, 2588]	4203	[2907, 6272]	6972	[4282, 8762]	9741	[10592, 10250]
1435	[554, 2589]	4204	[6273, 6274]	6973	[186, 2411]	9742	[10593, 3477]
1436	[2590, 2591]	4205	[6275, 2295]	6974	[8800, 2669]	9743	[10594, 363]
1437	[2144, 2592]	4206	[6276, 6277]	6975	[8801, 5077]	9744	[10476, 3914]
1438	[2593, 2594]	4207	[6278, 2224]	6976	[8802, 5259]	9745	[1051, 3887]
1439	[2595, 2596]	4208	[2115, 6279]	6977	[8803, 8804]	9746	[10221, 10595]
1440	[2597, 646]	4209	[579, 5718]	6978	[8805, 816]	9747	[10596, 3972]
1441	[2598, 2599]	4210	[6280, 5393]	6979	[8806, 6926]	9748	[7373, 490]
1442	[2600, 2057]	4211	[2910, 913]	6980	[5176, 719]	9749	[10581, 445]
1443	[2378, 2601]	4212	[6281, 6058]	6981	[2401, 899]	9750	[8193, 378]
1444	[2602, 2603]	4213	[6282, 6283]	6982	[8807, 247]	9751	[10597, 1496]
1445	[2604, 2605]	4214	[6166, 6284]	6983	[8808, 1867]	9752	[8305, 7848]
1446	[2606, 2607]	4215	[5281, 6285]	6984	[2826, 1843]	9753	[1246, 4806]
1447	[2608, 2609]	4216	[1901, 6286]	6985	[2786, 8809]	9754	[4515, 7560]
1448	[923, 154]	4217	[6287, 6288]	6986	[8810, 145]	9755	[10598, 7901]
1449	[2226, 2610]	4218	[6289, 6290]	6987	[8811, 5710]	9756	[1541, 10406]
1450	[2611, 2468]	4219	[6291, 5154]	6988	[8812, 1813]	9757	[10560, 7606]
1451	[2612, 2124]	4220	[788, 523]	6989	[8813, 846]	9758	[10599, 7017]
1452	[2613, 2614]	4221	[6292, 797]	6990	[8814, 8815]	9759	[7333, 7053]
1453	[2615, 2616]	4222	[6293, 6294]	6991	[3071, 5087]	9760	[1345, 8766]
1454	[2617, 2618]	4223	[6295, 6296]	6992	[6251, 1862]	9761	[8718, 7371]
1455	[2619, 2333]	4224	[6297, 6298]	6993	[161, 6789]	9762	[1340, 8021]
1456	[2620, 2335]	4225	[6299, 2670]	6994	[8816, 818]	9763	[10600, 10601]
1457	[2621, 771]	4226	[6300, 4998]	6995	[6147, 1994]	9764	[10602, 8033]
1458	[2622, 2623]	4227	[6301, 5976]	6996	[2618, 5837]	9765	[1307, 7877]
1459	[2624, 2625]	4228	[6302, 5133]	6997	[8817, 8818]	9766	[6981, 1556]
1460	[2626, 2627]	4229	[3037, 2489]	6998	[148, 5158]	9767	[10603, 7301]
1461	[1940, 2628]	4230	[6303, 6304]	6999	[8819, 8820]	9768	[3685, 7027]

1462	[2629, 2630]	4231	[6305, 6306]	7000	[2844, 3092]	9769	[6998, 4607]
1463	[2631, 2265]	4232	[6307, 2120]	7001	[8821, 6528]	9770	[10490, 7589]
1464	[2632, 2633]	4233	[5950, 6308]	7002	[5534, 6887]	9771	[10604, 4938]
1465	[2634, 2635]	4234	[6309, 5374]	7003	[8822, 6126]	9772	[7258, 7735]
1466	[2636, 2637]	4235	[629, 1893]	7004	[8823, 8824]	9773	[1525, 7515]
1467	[2638, 2639]	4236	[6310, 244]	7005	[5324, 5418]	9774	[7240, 10605]
1468	[2640, 2641]	4237	[5937, 6164]	7006	[8825, 6051]	9775	[4901, 10148]
1469	[2642, 2643]	4238	[2368, 1984]	7007	[8826, 5247]	9776	[8771, 4626]
1470	[2644, 2645]	4239	[6311, 2903]	7008	[2888, 8827]	9777	[8201, 10501]
1471	[2646, 1974]	4240	[2233, 6312]	7009	[8828, 2001]	9778	[10037, 10606]
1472	[2647, 2648]	4241	[6313, 6057]	7010	[2393, 2005]	9779	[7077, 3474]
1473	[2649, 2650]	4242	[6314, 2378]	7011	[8829, 8830]	9780	[10607, 10430]
1474	[2651, 2652]	4243	[6315, 6316]	7012	[2478, 8831]	9781	[4346, 7131]
1475	[2653, 2654]	4244	[3059, 5453]	7013	[2492, 6478]	9782	[10177, 10608]
1476	[2655, 951]	4245	[6317, 6318]	7014	[2460, 8832]	9783	[1489, 3826]
1477	[2656, 2657]	4246	[6319, 6320]	7015	[8833, 6143]	9784	[7314, 8484]
1478	[2658, 921]	4247	[5839, 6321]	7016	[8834, 1889]	9785	[10609, 4105]
1479	[716, 1843]	4248	[2426, 2242]	7017	[8835, 6281]	9786	[10610, 3615]
1480	[2659, 2660]	4249	[6322, 5328]	7018	[8836, 8837]	9787	[10090, 10349]
1481	[1858, 2661]	4250	[6323, 730]	7019	[8838, 2078]	9788	[8499, 8205]
1482	[2662, 1868]	4251	[6324, 6325]	7020	[8839, 881]	9789	[7706, 7173]
1483	[2663, 2659]	4252	[6326, 908]	7021	[5261, 6656]	9790	[3907, 10207]
1484	[2664, 1869]	4253	[5850, 5839]	7022	[8840, 2188]	9791	[7165, 4038]
1485	[2665, 2666]	4254	[6052, 3062]	7023	[8841, 8837]	9792	[10167, 362]
1486	[2667, 2668]	4255	[5159, 2399]	7024	[8842, 6728]	9793	[10611, 8062]
1487	[2669, 2670]	4256	[6327, 5144]	7025	[8843, 6460]	9794	[10612, 10535]
1488	[2671, 2672]	4257	[6328, 2113]	7026	[749, 2186]	9795	[10613, 8583]
1489	[2673, 2674]	4258	[6329, 6330]	7027	[6294, 6617]	9796	[1074, 7573]
1490	[2675, 2312]	4259	[5268, 201]	7028	[8844, 959]	9797	[8173, 3646]
1491	[2676, 2677]	4260	[6331, 5363]	7029	[8845, 8846]	9798	[10614, 3580]
1492	[2678, 2679]	4261	[6332, 2677]	7030	[8847, 5137]	9799	[10615, 1237]
1493	[2680, 2681]	4262	[6333, 682]	7031	[5316, 6016]	9800	[10604, 3675]
1494	[2539, 2482]	4263	[6334, 2632]	7032	[8848, 2592]	9801	[10337, 4007]
1495	[2682, 2683]	4264	[1938, 5790]	7033	[8849, 914]	9802	[4302, 10574]
1496	[2684, 1979]	4265	[6335, 701]	7034	[8850, 5100]	9803	[10106, 10616]
1497	[2685, 2686]	4266	[5046, 6003]	7035	[8851, 8852]	9804	[10525, 10617]
1498	[2687, 2688]	4267	[6336, 2551]	7036	[6737, 6264]	9805	[4274, 8769]
1499	[2689, 525]	4268	[6337, 2942]	7037	[128, 8853]	9806	[4531, 4236]
1500	[2690, 2691]	4269	[2392, 5503]	7038	[6087, 5121]	9807	[7249, 4262]
1501	[2692, 2693]	4270	[6338, 6339]	7039	[8854, 8855]	9808	[8442, 3839]
1502	[2694, 2695]	4271	[6340, 6341]	7040	[8856, 8857]	9809	[10618, 10484]
1503	[2696, 2697]	4272	[6342, 901]	7041	[8858, 5574]	9810	[10619, 1497]
1504	[2698, 2699]	4273	[5562, 6343]	7042	[5150, 1979]	9811	[4343, 8171]
1505	[2700, 2701]	4274	[5020, 2177]	7043	[8859, 5155]	9812	[4575, 10620]

1506	[2702, 2703]	4275	[956, 1861]	7044	[8860, 2176]	9813	[10277, 8270]
1507	[2704, 2705]	4276	[6344, 2107]	7045	[8861, 6619]	9814	[10396, 8747]
1508	[2706, 2707]	4277	[6345, 1946]	7046	[5969, 5196]	9815	[7055, 4290]
1509	[2708, 2709]	4278	[6346, 6347]	7047	[8862, 541]	9816	[3478, 7345]
1510	[2710, 2711]	4279	[6348, 2568]	7048	[8863, 8801]	9817	[10621, 7980]
1511	[2712, 503]	4280	[6349, 6350]	7049	[8864, 876]	9818	[10419, 7063]
1512	[2026, 2713]	4281	[6243, 2369]	7050	[6726, 6120]	9819	[88, 8777]
1513	[2022, 2714]	4282	[6351, 6352]	7051	[6195, 6972]	9820	[8301, 3852]
1514	[2715, 2716]	4283	[6353, 3119]	7052	[2542, 197]	9821	[10622, 1211]
1515	[2717, 2718]	4284	[6354, 6355]	7053	[8865, 8810]	9822	[494, 10623]
1516	[202, 2719]	4285	[6356, 1881]	7054	[2828, 5069]	9823	[7535, 3405]
1517	[740, 2720]	4286	[6357, 5474]	7055	[232, 6294]	9824	[320, 1395]
1518	[2721, 2722]	4287	[667, 6358]	7056	[6677, 2118]	9825	[89, 8000]
1519	[2723, 761]	4288	[6359, 2582]	7057	[5546, 8866]	9826	[10191, 10624]
1520	[2724, 2725]	4289	[6360, 839]	7058	[8867, 2606]	9827	[8447, 8357]
1521	[2726, 2727]	4290	[234, 5883]	7059	[6403, 8868]	9828	[10625, 3382]
1522	[2728, 2360]	4291	[3088, 5663]	7060	[8869, 2962]	9829	[4078, 4274]
1523	[2729, 2730]	4292	[6361, 6227]	7061	[5360, 5123]	9830	[10626, 7084]
1524	[906, 2731]	4293	[3119, 6362]	7062	[8870, 8871]	9831	[10627, 7313]
1525	[2732, 2733]	4294	[2556, 6363]	7063	[5030, 6125]	9832	[4314, 3712]
1526	[2734, 2735]	4295	[6063, 6364]	7064	[513, 8872]	9833	[10189, 4948]
1527	[2736, 2737]	4296	[6365, 2392]	7065	[8873, 59]	9834	[10147, 4902]
1528	[2738, 62]	4297	[6366, 803]	7066	[2777, 5166]	9835	[7379, 4286]
1529	[2739, 2740]	4298	[6367, 6368]	7067	[8874, 5740]	9836	[10628, 1695]
1530	[2741, 2742]	4299	[6225, 6369]	7068	[8875, 2609]	9837	[4646, 3516]
1531	[2743, 2744]	4300	[6370, 6371]	7069	[5021, 2261]	9838	[10629, 316]
1532	[2745, 2569]	4301	[6372, 1858]	7070	[5804, 8876]	9839	[10630, 10393]
1533	[2616, 2746]	4302	[6373, 5977]	7071	[6895, 31]	9840	[1263, 10631]
1534	[2705, 2747]	4303	[6314, 6006]	7072	[8877, 2923]	9841	[10632, 7462]
1535	[656, 2748]	4304	[6374, 2565]	7073	[250, 5902]	9842	[10633, 1327]
1536	[2749, 2750]	4305	[6375, 509]	7074	[5334, 8878]	9843	[10634, 7989]
1537	[2654, 2751]	4306	[6376, 6377]	7075	[8879, 8880]	9844	[10635, 4470]
1538	[2752, 2753]	4307	[6378, 858]	7076	[5703, 6593]	9845	[10197, 10506]
1539	[2754, 2755]	4308	[2845, 830]	7077	[3097, 5934]	9846	[7997, 1677]
1540	[2756, 2757]	4309	[2352, 5677]	7078	[5380, 2796]	9847	[10224, 8482]
1541	[2758, 2115]	4310	[6379, 6029]	7079	[8881, 3059]	9848	[10303, 10288]
1542	[2759, 2760]	4311	[32, 5028]	7080	[8882, 144]	9849	[3997, 3788]
1543	[2761, 2762]	4312	[34, 2471]	7081	[6852, 2480]	9850	[7431, 4612]
1544	[2763, 584]	4313	[5807, 40]	7082	[8883, 8884]	9851	[1601, 10182]
1545	[2764, 2765]	4314	[6380, 6381]	7083	[8885, 8886]	9852	[10636, 1762]
1546	[2766, 2767]	4315	[6382, 844]	7084	[8887, 1977]	9853	[10637, 1200]
1547	[2768, 2769]	4316	[849, 709]	7085	[1857, 8888]	9854	[10321, 4845]
1548	[2770, 2771]	4317	[6383, 253]	7086	[8889, 1889]	9855	[10129, 7845]
1549	[2772, 577]	4318	[2966, 6269]	7087	[6241, 2156]	9856	[10246, 1676]

1550	[2773, 2251]	4319	[2046, 940]	7088	[2576, 3120]	9857	[3532, 3983]
1551	[2774, 2775]	4320	[6384, 5659]	7089	[2439, 3067]	9858	[1687, 8238]
1552	[2776, 2777]	4321	[6385, 4995]	7090	[6703, 6664]	9859	[7493, 4265]
1553	[2778, 2037]	4322	[6386, 6387]	7091	[6395, 8890]	9860	[4592, 10076]
1554	[2779, 2780]	4323	[6388, 929]	7092	[2115, 8891]	9861	[1712, 3351]
1555	[2781, 831]	4324	[5902, 6389]	7093	[8892, 2608]	9862	[10638, 10280]
1556	[2406, 2782]	4325	[2220, 6218]	7094	[8893, 6108]	9863	[8064, 3719]
1557	[1966, 2783]	4326	[6390, 6391]	7095	[8894, 2068]	9864	[10639, 8220]
1558	[2784, 2785]	4327	[6392, 865]	7096	[8895, 2087]	9865	[10640, 10641]
1559	[2693, 2786]	4328	[616, 2968]	7097	[8896, 6055]	9866	[85, 8387]
1560	[2787, 2788]	4329	[6393, 2634]	7098	[1959, 5570]	9867	[7158, 10123]
1561	[566, 2789]	4330	[6134, 6394]	7099	[5313, 958]	9868	[8447, 10503]
1562	[568, 2790]	4331	[6395, 5278]	7100	[8897, 6677]	9869	[7109, 370]
1563	[2629, 2791]	4332	[6396, 5398]	7101	[8898, 5659]	9870	[454, 8033]
1564	[2792, 2793]	4333	[2387, 2701]	7102	[8899, 1953]	9871	[10642, 10301]
1565	[2794, 2357]	4334	[2623, 5985]	7103	[5851, 5840]	9872	[10348, 10091]
1566	[718, 2795]	4335	[5472, 5989]	7104	[796, 6565]	9873	[7669, 4118]
1567	[552, 2796]	4336	[6397, 2622]	7105	[8900, 8901]	9874	[10643, 3246]
1568	[2797, 2798]	4337	[6398, 771]	7106	[2158, 911]	9875	[10644, 3707]
1569	[2799, 2800]	4338	[6399, 1882]	7107	[2040, 879]	9876	[70, 8349]
1570	[2801, 1837]	4339	[5001, 5167]	7108	[8902, 8903]	9877	[10496, 10092]
1571	[2802, 2803]	4340	[6400, 6401]	7109	[8904, 723]	9878	[4500, 7890]
1572	[2804, 34]	4341	[6402, 6403]	7110	[6202, 8905]	9879	[8689, 4362]
1573	[2805, 2806]	4342	[6404, 957]	7111	[6745, 183]	9880	[3192, 427]
1574	[2807, 2808]	4343	[5578, 843]	7112	[8906, 8907]	9881	[10227, 8788]
1575	[2809, 2810]	4344	[6405, 6406]	7113	[6246, 8908]	9882	[10645, 10515]
1576	[2811, 2812]	4345	[12, 6407]	7114	[8909, 2444]	9883	[8431, 1404]
1577	[2813, 2814]	4346	[14, 541]	7115	[5380, 2427]	9884	[10344, 4296]
1578	[2815, 2816]	4347	[2306, 3106]	7116	[8910, 6106]	9885	[10074, 10646]
1579	[2817, 2818]	4348	[2775, 2688]	7117	[6809, 6785]	9886	[1529, 8647]
1580	[2819, 609]	4349	[1857, 6408]	7118	[8911, 8912]	9887	[10647, 10648]
1581	[2820, 1876]	4350	[6409, 5761]	7119	[8913, 2208]	9888	[4791, 1048]
1582	[2821, 1877]	4351	[6410, 1912]	7120	[8816, 134]	9889	[10649, 1643]
1583	[2822, 1957]	4352	[2562, 6411]	7121	[8914, 546]	9890	[482, 3734]
1584	[2823, 2824]	4353	[6412, 6413]	7122	[8915, 8916]	9891	[4099, 7310]
1585	[2825, 2826]	4354	[6414, 5466]	7123	[1827, 1919]	9892	[3364, 1568]
1586	[2827, 2828]	4355	[6415, 2760]	7124	[8917, 8918]	9893	[10650, 4963]
1587	[2829, 2830]	4356	[2215, 6416]	7125	[5001, 565]	9894	[7393, 7142]
1588	[2831, 2832]	4357	[6417, 5403]	7126	[2096, 5987]	9895	[10651, 7812]
1589	[2833, 2403]	4358	[2165, 5695]	7127	[6631, 2622]	9896	[10652, 3601]
1590	[2834, 2835]	4359	[6418, 6419]	7128	[8919, 5114]	9897	[10653, 1155]
1591	[2836, 578]	4360	[1998, 2890]	7129	[2004, 8920]	9898	[10654, 1258]
1592	[2837, 2838]	4361	[6420, 6421]	7130	[8921, 8922]	9899	[7419, 8724]
1593	[1972, 2839]	4362	[6422, 6423]	7131	[5602, 8923]	9900	[4399, 4633]

1594	[512, 2657]	4363	[6424, 560]	7132	[8924, 5638]	9901	[10655, 3942]
1595	[2840, 2651]	4364	[6425, 5626]	7133	[8925, 8926]	9902	[10656, 8675]
1596	[2841, 2566]	4365	[6426, 5086]	7134	[8927, 3104]	9903	[3433, 3699]
1597	[2842, 2843]	4366	[6427, 6428]	7135	[6257, 5960]	9904	[1152, 1617]
1598	[2844, 2845]	4367	[2284, 6429]	7136	[8928, 1992]	9905	[3811, 10657]
1599	[2846, 2847]	4368	[6430, 1844]	7137	[8929, 6563]	9906	[10658, 7934]
1600	[2848, 2352]	4369	[2421, 6290]	7138	[943, 8930]	9907	[10659, 10067]
1601	[2849, 32]	4370	[5786, 2229]	7139	[8931, 8932]	9908	[10587, 4830]
1602	[2850, 2851]	4371	[3036, 584]	7140	[892, 641]	9909	[10660, 1048]
1603	[2852, 2853]	4372	[2610, 238]	7141	[8933, 5429]	9910	[1045, 8199]
1604	[2834, 2854]	4373	[6431, 224]	7142	[656, 6248]	9911	[10661, 4365]
1605	[2855, 2856]	4374	[6432, 6035]	7143	[8934, 8935]	9912	[10662, 8592]
1606	[2857, 2858]	4375	[6433, 6434]	7144	[5214, 6400]	9913	[8792, 3295]
1607	[2859, 937]	4376	[6435, 6436]	7145	[3098, 5066]	9914	[4352, 1385]
1608	[2860, 2861]	4377	[6437, 4978]	7146	[8936, 8937]	9915	[10407, 3780]
1609	[2862, 2863]	4378	[6438, 6439]	7147	[8938, 1939]	9916	[8033, 4905]
1610	[2864, 2865]	4379	[6440, 6441]	7148	[6175, 8939]	9917	[7260, 1767]
1611	[2866, 2867]	4380	[6442, 5266]	7149	[2618, 6449]	9918	[8723, 7420]
1612	[2868, 2869]	4381	[5035, 2780]	7150	[1907, 8940]	9919	[7478, 10239]
1613	[2870, 2871]	4382	[6443, 6444]	7151	[6286, 8941]	9920	[4159, 1073]
1614	[2872, 933]	4383	[6024, 6445]	7152	[8942, 6680]	9921	[10536, 4927]
1615	[2873, 2874]	4384	[2489, 5994]	7153	[8943, 2030]	9922	[7380, 4287]
1616	[2875, 2876]	4385	[6306, 211]	7154	[8944, 8945]	9923	[3424, 7756]
1617	[2877, 2878]	4386	[713, 2560]	7155	[8946, 8947]	9924	[10418, 1067]
1618	[2879, 2880]	4387	[2158, 151]	7156	[8948, 2070]	9925	[1373, 1436]
1619	[2881, 2882]	4388	[5949, 2469]	7157	[2760, 5372]	9926	[7864, 8658]
1620	[2883, 2884]	4389	[6446, 5077]	7158	[8949, 2130]	9927	[7295, 8355]
1621	[2885, 2886]	4390	[6447, 5135]	7159	[1918, 2585]	9928	[10459, 7910]
1622	[148, 2887]	4391	[5220, 6448]	7160	[5238, 8950]	9929	[4406, 7809]
1623	[2888, 2889]	4392	[2149, 3134]	7161	[8951, 536]	9930	[4325, 3308]
1624	[2890, 2891]	4393	[6449, 5804]	7162	[5612, 6493]	9931	[3510, 4832]
1625	[2892, 221]	4394	[6450, 6451]	7163	[6017, 186]	9932	[1413, 4644]
1626	[2893, 2894]	4395	[5007, 5656]	7164	[6724, 8952]	9933	[10283, 3556]
1627	[2895, 2896]	4396	[6265, 6452]	7165	[8953, 2692]	9934	[7392, 4069]
1628	[2897, 2898]	4397	[6453, 5598]	7166	[8954, 8955]	9935	[10663, 10085]
1629	[1991, 2899]	4398	[6454, 6409]	7167	[6696, 2135]	9936	[4139, 10449]
1630	[2900, 683]	4399	[6455, 5822]	7168	[6455, 2747]	9937	[4069, 8304]
1631	[722, 2901]	4400	[552, 2427]	7169	[2039, 5812]	9938	[4723, 8206]
1632	[2891, 2216]	4401	[6456, 6387]	7170	[5706, 8956]	9939	[10165, 1356]
1633	[2902, 2903]	4402	[2783, 6457]	7171	[1838, 5363]	9940	[3284, 7790]
1634	[2904, 2905]	4403	[6458, 2761]	7172	[8957, 8958]	9941	[7565, 6981]
1635	[2906, 1943]	4404	[6459, 6460]	7173	[8959, 2537]	9942	[10512, 4811]
1636	[2907, 751]	4405	[5831, 2180]	7174	[614, 3014]	9943	[10573, 8264]
1637	[2201, 2908]	4406	[6363, 5303]	7175	[8960, 889]	9944	[1545, 10211]

1638	[2909, 2910]	4407	[6461, 208]	7176	[8961, 2492]	9945	[1021, 10136]
1639	[2911, 2912]	4408	[6462, 6463]	7177	[1847, 8962]	9946	[4205, 10127]
1640	[2913, 2914]	4409	[2523, 6344]	7178	[8963, 2717]	9947	[1042, 355]
1641	[2915, 150]	4410	[6464, 5218]	7179	[672, 6118]	9948	[8148, 7695]
1642	[2916, 562]	4411	[560, 5092]	7180	[5985, 5161]	9949	[4681, 10664]
1643	[2917, 2918]	4412	[6465, 6466]	7181	[5990, 2096]	9950	[10665, 4631]
1644	[2919, 2789]	4413	[6467, 6468]	7182	[2334, 2504]	9951	[10666, 10489]
1645	[2920, 2921]	4414	[6469, 2734]	7183	[8964, 5990]	9952	[3483, 269]
1646	[2240, 2857]	4415	[6470, 6471]	7184	[8965, 2334]	9953	[8517, 10586]
1647	[727, 251]	4416	[6472, 6473]	7185	[8966, 8967]	9954	[10667, 7588]
1648	[2922, 2923]	4417	[1939, 5791]	7186	[8968, 509]	9955	[10668, 4515]
1649	[2924, 2925]	4418	[6474, 2264]	7187	[8969, 1904]	9956	[10584, 3595]
1650	[2926, 2927]	4419	[6475, 2639]	7188	[8970, 2545]	9957	[10669, 8736]
1651	[2928, 2929]	4420	[6476, 5707]	7189	[8971, 8972]	9958	[10561, 7610]
1652	[2930, 2931]	4421	[6371, 5134]	7190	[5283, 5841]	9959	[1786, 8006]
1653	[2932, 2744]	4422	[6477, 6478]	7191	[8830, 6277]	9960	[8619, 3361]
1654	[2933, 2934]	4423	[6479, 2288]	7192	[8973, 568]	9961	[7474, 438]
1655	[2935, 2936]	4424	[6480, 2997]	7193	[8974, 6408]	9962	[10331, 4267]
1656	[2937, 608]	4425	[6481, 6482]	7194	[8975, 6281]	9963	[1322, 6981]
1657	[698, 826]	4426	[3051, 6483]	7195	[8976, 8922]	9964	[10670, 4625]
1658	[2938, 2939]	4427	[2794, 145]	7196	[558, 2543]	9965	[10671, 4799]
1659	[2747, 2940]	4428	[6484, 6485]	7197	[665, 8939]	9966	[1136, 1445]
1660	[2941, 2942]	4429	[2857, 6486]	7198	[8977, 2045]	9967	[10672, 4616]
1661	[2943, 2944]	4430	[6487, 6488]	7199	[8925, 5071]	9968	[4491, 7507]
1662	[2092, 2945]	4431	[6489, 966]	7200	[8978, 5287]	9969	[1223, 10673]
1663	[2946, 2243]	4432	[2369, 6490]	7201	[8979, 8980]	9970	[4055, 7137]
1664	[2947, 38]	4433	[6491, 2633]	7202	[2741, 2472]	9971	[10674, 4187]
1665	[2948, 2432]	4434	[5884, 2832]	7203	[8981, 5559]	9972	[10240, 7052]
1666	[2949, 1917]	4435	[2492, 6492]	7204	[8884, 5498]	9973	[1489, 7721]
1667	[2670, 2950]	4436	[6493, 5035]	7205	[8982, 2531]	9974	[8451, 4134]
1668	[2951, 8]	4437	[5193, 910]	7206	[8983, 6234]	9975	[10427, 4633]
1669	[2952, 2953]	4438	[6494, 138]	7207	[8984, 1829]	9976	[10675, 3987]
1670	[2954, 2898]	4439	[6495, 6496]	7208	[8985, 6188]	9977	[10058, 1379]
1671	[2955, 2956]	4440	[6497, 6498]	7209	[8871, 5519]	9978	[10103, 10676]
1672	[2957, 2626]	4441	[6499, 6500]	7210	[5765, 8860]	9979	[10634, 4162]
1673	[2958, 2959]	4442	[2308, 6501]	7211	[8986, 8987]	9980	[1492, 10631]
1674	[2960, 704]	4443	[6502, 6503]	7212	[8988, 2947]	9981	[4691, 8395]
1675	[2961, 2962]	4444	[6504, 6505]	7213	[8989, 6009]	9982	[3274, 8166]
1676	[2963, 2010]	4445	[6506, 3042]	7214	[2981, 5388]	9983	[7721, 7160]
1677	[2964, 2965]	4446	[2809, 6400]	7215	[8990, 2268]	9984	[4928, 4678]
1678	[2966, 2967]	4447	[6507, 6508]	7216	[2687, 8991]	9985	[8786, 16]
1679	[2968, 2353]	4448	[1944, 230]	7217	[2349, 8992]	9986	[3888, 4069]
1680	[2969, 2970]	4449	[6509, 1870]	7218	[8993, 5924]	9987	[7635, 7021]
1681	[2971, 2972]	4450	[6040, 6510]	7219	[6348, 8994]	9988	[10372, 4818]

1682	[2973, 1799]	4451	[6511, 2570]	7220	[2219, 853]	9989	[8284, 4520]
1683	[2974, 2975]	4452	[6512, 6513]	7221	[916, 8967]	9990	[7852, 8125]
1684	[2976, 1868]	4453	[6514, 6515]	7222	[8995, 8852]	9991	[7114, 3812]
1685	[2977, 2978]	4454	[6516, 868]	7223	[8996, 247]	9992	[1232, 4465]
1686	[2979, 2596]	4455	[2078, 766]	7224	[8945, 675]	9993	[3383, 1114]
1687	[2980, 2981]	4456	[6517, 5334]	7225	[6839, 2758]	9994	[1237, 4317]
1688	[2982, 2983]	4457	[6518, 6519]	7226	[8997, 6879]	9995	[10677, 1664]
1689	[2984, 2985]	4458	[6289, 2422]	7227	[6665, 825]	9996	[8419, 10608]
1690	[2986, 2987]	4459	[917, 2169]	7228	[6867, 8998]	9997	[10678, 10679]
1691	[2988, 2989]	4460	[6520, 6500]	7229	[8999, 8804]	9998	[10680, 7560]
1692	[2990, 2991]	4461	[2914, 2172]	7230	[8963, 3114]	9999	[10681, 8002]
1693	[2405, 2992]	4462	[6521, 2959]	7231	[9000, 9001]	10000	[1730, 8588]
1694	[2993, 2994]	4463	[6522, 6523]	7232	[9002, 2790]	10001	[3222, 1492]
1695	[2995, 157]	4464	[5580, 5427]	7233	[9003, 821]	10002	[10313, 3301]
1696	[2996, 2546]	4465	[6524, 4973]	7234	[9004, 886]	10003	[10682, 269]
1697	[2997, 2998]	4466	[6525, 6526]	7235	[9005, 5202]	10004	[10683, 10684]
1698	[2999, 3000]	4467	[778, 5344]	7236	[2274, 2795]	10005	[10685, 10118]
1699	[3001, 744]	4468	[6527, 6528]	7237	[9006, 9007]	10006	[10686, 10687]
1700	[3002, 685]	4469	[6529, 6424]	7238	[9008, 9009]	10007	[8605, 10688]
1701	[3003, 3004]	4470	[6530, 5855]	7239	[9010, 2201]	10008	[10689, 4456]
1702	[867, 3005]	4471	[6531, 5889]	7240	[9011, 837]	10009	[10561, 10342]
1703	[2197, 2213]	4472	[6532, 5785]	7241	[9012, 2205]	10010	[7141, 10422]
1704	[3006, 3007]	4473	[5912, 6533]	7242	[9013, 2104]	10011	[7827, 1518]
1705	[3008, 2793]	4474	[6534, 6535]	7243	[965, 6043]	10012	[10690, 1717]
1706	[3009, 3010]	4475	[2823, 2704]	7244	[925, 5446]	10013	[10175, 7224]
1707	[3011, 3012]	4476	[6536, 2389]	7245	[9014, 2957]	10014	[7769, 3987]
1708	[3013, 2734]	4477	[5811, 2040]	7246	[9015, 2589]	10015	[7905, 109]
1709	[3014, 2426]	4478	[6537, 5004]	7247	[2328, 9016]	10016	[10172, 1313]
1710	[3015, 3016]	4479	[6538, 6539]	7248	[8934, 5337]	10017	[3777, 7101]
1711	[3017, 3018]	4480	[2166, 5620]	7249	[9017, 9018]	10018	[8752, 3807]
1712	[540, 3019]	4481	[6540, 5220]	7250	[2442, 2659]	10019	[10691, 7099]
1713	[237, 3020]	4482	[5041, 5052]	7251	[9019, 9020]	10020	[10552, 10692]
1714	[3021, 3022]	4483	[6541, 6542]	7252	[9021, 5597]	10021	[10693, 10279]
1715	[3023, 3024]	4484	[6143, 6208]	7253	[9022, 2524]	10022	[10694, 7490]
1716	[3025, 2083]	4485	[184, 6543]	7254	[5986, 6397]	10023	[10131, 1509]
1717	[3026, 3027]	4486	[6262, 6544]	7255	[2336, 2816]	10024	[10655, 7787]
1718	[3028, 3029]	4487	[6545, 6546]	7256	[9023, 2323]	10025	[10695, 8651]
1719	[3030, 677]	4488	[194, 6547]	7257	[6838, 9024]	10026	[8130, 1454]
1720	[3031, 2674]	4489	[6416, 3013]	7258	[9025, 9026]	10027	[7195, 10696]
1721	[146, 867]	4490	[4984, 6548]	7259	[6244, 9027]	10028	[10378, 3197]
1722	[2099, 3032]	4491	[6549, 6283]	7260	[9028, 2231]	10029	[10697, 10641]
1723	[3033, 3034]	4492	[5923, 2772]	7261	[2810, 6401]	10030	[4848, 8681]
1724	[3035, 3036]	4493	[6550, 2669]	7262	[9029, 9030]	10031	[10698, 1791]
1725	[3037, 3038]	4494	[5049, 919]	7263	[9031, 6309]	10032	[10699, 8618]

1726	[3039, 3040]	4495	[5688, 5785]	7264	[5393, 2697]	10033	[7138, 8507]
1727	[3041, 3042]	4496	[5267, 206]	7265	[9032, 9033]	10034	[578, 2783]
1728	[3043, 3044]	4497	[2191, 6551]	7266	[9034, 9035]	10035	[10700, 2429]
1729	[3045, 3046]	4498	[6552, 5200]	7267	[9036, 772]	10036	[2263, 9372]
1730	[3047, 2074]	4499	[6553, 6554]	7268	[5275, 9037]	10037	[10701, 9797]
1731	[3048, 770]	4500	[6555, 5634]	7269	[920, 9038]	10038	[10702, 3131]
1732	[3049, 3050]	4501	[6556, 5480]	7270	[9039, 5871]	10039	[900, 245]
1733	[2554, 188]	4502	[6557, 6263]	7271	[9040, 9041]	10040	[9952, 6391]
1734	[2556, 557]	4503	[2789, 3024]	7272	[9042, 6060]	10041	[2747, 947]
1735	[2558, 3010]	4504	[6558, 6559]	7273	[9043, 5862]	10042	[2116, 926]
1736	[2067, 3051]	4505	[2946, 628]	7274	[9044, 1850]	10043	[10703, 578]
1737	[3052, 3053]	4506	[6560, 6561]	7275	[9045, 195]	10044	[6489, 924]
1738	[3054, 3055]	4507	[6562, 5242]	7276	[9046, 5365]	10045	[2670, 9800]
1739	[210, 3056]	4508	[6563, 5631]	7277	[9047, 8969]	10046	[9693, 10704]
1740	[3057, 691]	4509	[2449, 2528]	7278	[1998, 5486]	10047	[9856, 898]
1741	[3058, 3059]	4510	[6564, 6565]	7279	[9048, 9049]	10048	[10705, 2471]
1742	[3060, 3061]	4511	[6566, 6567]	7280	[2500, 1997]	10049	[10706, 6603]
1743	[3062, 3063]	4512	[6568, 5285]	7281	[9050, 6708]	10050	[9878, 9914]
1744	[3064, 3065]	4513	[6569, 2014]	7282	[9051, 738]	10051	[5710, 647]
1745	[3066, 3067]	4514	[805, 6570]	7283	[9052, 2985]	10052	[10707, 6404]
1746	[2835, 3068]	4515	[6571, 2861]	7284	[9053, 9054]	10053	[10708, 9028]
1747	[3069, 31]	4516	[2796, 6572]	7285	[9055, 9056]	10054	[10709, 9894]
1748	[3070, 3071]	4517	[6573, 185]	7286	[9057, 6285]	10055	[6937, 5405]
1749	[3062, 3072]	4518	[5013, 625]	7287	[9058, 6851]	10056	[8849, 5287]
1750	[2272, 564]	4519	[6574, 1956]	7288	[9059, 2013]	10057	[5461, 9879]
1751	[2965, 2085]	4520	[6013, 5076]	7289	[9060, 2876]	10058	[9346, 10710]
1752	[3029, 3073]	4521	[5131, 5368]	7290	[5262, 9061]	10059	[10711, 172]
1753	[3074, 3075]	4522	[6575, 1929]	7291	[6086, 6876]	10060	[10712, 6274]
1754	[3076, 2595]	4523	[579, 6457]	7292	[9062, 3069]	10061	[10713, 9740]
1755	[3077, 3078]	4524	[6268, 5507]	7293	[5852, 9063]	10062	[2351, 2441]
1756	[3079, 2187]	4525	[6576, 2414]	7294	[2887, 5159]	10063	[10714, 9275]
1757	[3080, 3081]	4526	[6577, 6578]	7295	[9064, 5557]	10064	[10715, 9614]
1758	[3052, 3082]	4527	[6579, 5625]	7296	[9065, 9066]	10065	[2854, 6427]
1759	[2648, 3083]	4528	[1934, 6580]	7297	[9067, 1916]	10066	[10716, 6828]
1760	[3084, 3085]	4529	[6457, 5719]	7298	[5534, 9068]	10067	[9657, 2221]
1761	[3086, 581]	4530	[6581, 2878]	7299	[6224, 9069]	10068	[591, 2250]
1762	[3087, 163]	4531	[6582, 2181]	7300	[5750, 2716]	10069	[10717, 5737]
1763	[644, 3088]	4532	[6583, 5260]	7301	[6403, 6341]	10070	[5904, 6307]
1764	[3089, 60]	4533	[6584, 5702]	7302	[5224, 783]	10071	[10718, 2039]
1765	[3090, 3091]	4534	[2080, 6585]	7303	[9070, 5451]	10072	[504, 8845]
1766	[144, 3092]	4535	[6586, 3051]	7304	[182, 9071]	10073	[5224, 6136]
1767	[3093, 3094]	4536	[6587, 2847]	7305	[3066, 2440]	10074	[9288, 5486]
1768	[3095, 712]	4537	[3010, 1874]	7306	[2475, 2281]	10075	[6371, 517]
1769	[3096, 2720]	4538	[6588, 5284]	7307	[9072, 2342]	10076	[2153, 5794]

1770	[3097, 3098]	4539	[6589, 182]	7308	[2716, 5367]	10077	[6764, 2171]
1771	[3099, 563]	4540	[6590, 6591]	7309	[9073, 9074]	10078	[10719, 10720]
1772	[3100, 3101]	4541	[6592, 6593]	7310	[9075, 2785]	10079	[572, 6102]
1773	[3102, 747]	4542	[5000, 5166]	7311	[1900, 2302]	10080	[10721, 5735]
1774	[3103, 3104]	4543	[6594, 924]	7312	[9076, 2748]	10081	[6627, 9650]
1775	[876, 3105]	4544	[6595, 934]	7313	[9077, 9078]	10082	[9290, 6671]
1776	[3106, 2263]	4545	[1802, 6596]	7314	[9079, 9080]	10083	[2701, 9190]
1777	[3107, 3108]	4546	[6597, 5078]	7315	[6016, 5688]	10084	[1892, 5126]
1778	[3109, 3110]	4547	[6095, 6598]	7316	[3119, 9081]	10085	[6526, 5973]
1779	[3111, 204]	4548	[6599, 6600]	7317	[9082, 4985]	10086	[9072, 5694]
1780	[190, 3112]	4549	[6601, 850]	7318	[9083, 2644]	10087	[9487, 5182]
1781	[201, 3113]	4550	[2610, 3020]	7319	[9084, 8985]	10088	[10722, 9263]
1782	[3114, 2718]	4551	[2832, 5057]	7320	[9085, 6304]	10089	[10723, 6684]
1783	[3115, 3116]	4552	[6602, 2881]	7321	[9086, 6942]	10090	[661, 2516]
1784	[2866, 3117]	4553	[2915, 6101]	7322	[159, 9071]	10091	[9400, 6673]
1785	[3118, 3119]	4554	[2385, 6603]	7323	[926, 942]	10092	[10021, 9670]
1786	[3120, 3121]	4555	[6604, 2703]	7324	[692, 5649]	10093	[211, 5169]
1787	[2036, 3122]	4556	[2000, 6605]	7325	[9087, 2404]	10094	[8983, 896]
1788	[2461, 3123]	4557	[2008, 2377]	7326	[6424, 5091]	10095	[6529, 559]
1789	[3124, 3125]	4558	[2507, 5943]	7327	[9088, 9089]	10096	[6340, 8868]
1790	[3126, 3127]	4559	[6606, 197]	7328	[9090, 6749]	10097	[10724, 2976]
1791	[3128, 2791]	4560	[892, 6098]	7329	[9091, 946]	10098	[9445, 2282]
1792	[3129, 3130]	4561	[2541, 6607]	7330	[130, 2912]	10099	[10725, 6945]
1793	[3131, 3132]	4562	[6608, 6145]	7331	[8900, 9092]	10100	[10726, 5625]
1794	[3133, 3134]	4563	[6609, 2443]	7332	[173, 5708]	10101	[6599, 6376]
1795	[3135, 2460]	4564	[2462, 2906]	7333	[9093, 9094]	10102	[198, 8992]
1796	[2713, 3136]	4565	[6610, 6611]	7334	[5046, 9095]	10103	[6919, 10727]
1797	[3137, 2643]	4566	[5707, 174]	7335	[3132, 3070]	10104	[5596, 2483]
1798	[3138, 3139]	4567	[580, 6612]	7336	[2047, 6136]	10105	[5980, 965]
1799	[3140, 3141]	4568	[2937, 2819]	7337	[9096, 9097]	10106	[10728, 6385]
1800	[3142, 3143]	4569	[5346, 6069]	7338	[9098, 5065]	10107	[9315, 9101]
1801	[3144, 3145]	4570	[6613, 643]	7339	[9099, 9100]	10108	[10729, 5522]
1802	[3146, 1548]	4571	[6195, 6614]	7340	[2548, 9101]	10109	[9187, 10730]
1803	[3147, 3148]	4572	[2534, 969]	7341	[3000, 5493]	10110	[5812, 4987]
1804	[3149, 3150]	4573	[6228, 6615]	7342	[9102, 5762]	10111	[8852, 8875]
1805	[3151, 3152]	4574	[6616, 6617]	7343	[5885, 9103]	10112	[9200, 2761]
1806	[3153, 3154]	4575	[6618, 6619]	7344	[2605, 61]	10113	[10731, 826]
1807	[1711, 3155]	4576	[6620, 4981]	7345	[9104, 5661]	10114	[9976, 9781]
1808	[3156, 3157]	4577	[6621, 48]	7346	[9105, 9106]	10115	[5127, 9027]
1809	[3158, 3159]	4578	[6622, 6515]	7347	[9107, 2604]	10116	[8970, 2996]
1810	[3160, 3161]	4579	[6623, 6246]	7348	[9108, 6322]	10117	[2334, 6356]
1811	[3162, 3163]	4580	[6137, 6624]	7349	[2283, 5148]	10118	[1902, 9420]
1812	[3143, 3164]	4581	[2870, 6625]	7350	[5326, 6547]	10119	[10732, 3003]
1813	[3165, 3166]	4582	[2754, 504]	7351	[9109, 5872]	10120	[9351, 2835]

1814	[3167, 1440]	4583	[6626, 2063]	7352	[9110, 5350]	10121	[10733, 614]
1815	[3168, 3169]	4584	[6627, 6628]	7353	[6792, 9111]	10122	[10734, 2203]
1816	[3170, 1093]	4585	[2711, 6064]	7354	[9112, 6093]	10123	[9117, 9687]
1817	[3171, 3172]	4586	[3123, 2906]	7355	[6891, 200]	10124	[10735, 3019]
1818	[3173, 3174]	4587	[6629, 6397]	7356	[6167, 1907]	10125	[9767, 5720]
1819	[3160, 1645]	4588	[6630, 2621]	7357	[9113, 2733]	10126	[10736, 2036]
1820	[3175, 1178]	4589	[5986, 6631]	7358	[9114, 2285]	10127	[9598, 6409]
1821	[3176, 3177]	4590	[1806, 6632]	7359	[9115, 6554]	10128	[5890, 6442]
1822	[3178, 3179]	4591	[5630, 6633]	7360	[9116, 9025]	10129	[3137, 10026]
1823	[3180, 3181]	4592	[2447, 6634]	7361	[9117, 9118]	10130	[910, 10737]
1824	[3182, 3183]	4593	[6635, 2435]	7362	[6126, 9078]	10131	[9241, 10738]
1825	[1618, 3184]	4594	[6636, 5155]	7363	[9119, 2033]	10132	[9509, 6940]
1826	[3185, 3186]	4595	[6637, 6638]	7364	[9120, 2294]	10133	[6235, 1809]
1827	[1762, 3187]	4596	[2825, 716]	7365	[9121, 2735]	10134	[10739, 6184]
1828	[3188, 3189]	4597	[6639, 2648]	7366	[747, 5713]	10135	[10740, 8855]
1829	[354, 3190]	4598	[6640, 6348]	7367	[1854, 9122]	10136	[6865, 2871]
1830	[3191, 3192]	4599	[1802, 5754]	7368	[9123, 9124]	10137	[10741, 9366]
1831	[3193, 3194]	4600	[6641, 2236]	7369	[9125, 806]	10138	[5863, 9246]
1832	[3195, 1472]	4601	[5519, 5765]	7370	[1904, 5681]	10139	[10742, 6659]
1833	[3196, 3197]	4602	[6642, 2535]	7371	[9126, 9127]	10140	[10743, 9935]
1834	[3198, 3199]	4603	[6643, 5152]	7372	[5925, 6284]	10141	[10744, 9332]
1835	[3200, 121]	4604	[2438, 3000]	7373	[9128, 8956]	10142	[5593, 6449]
1836	[3201, 3202]	4605	[6644, 6645]	7374	[9129, 903]	10143	[8915, 5386]
1837	[3203, 3204]	4606	[6646, 5685]	7375	[6952, 3085]	10144	[5992, 9571]
1838	[3205, 3206]	4607	[6647, 6648]	7376	[9130, 6261]	10145	[10745, 5480]
1839	[3207, 3208]	4608	[5971, 2382]	7377	[9131, 6262]	10146	[10746, 8908]
1840	[3209, 3210]	4609	[6649, 767]	7378	[6857, 9132]	10147	[10747, 2053]
1841	[3211, 3212]	4610	[5900, 6607]	7379	[4975, 667]	10148	[10748, 6905]
1842	[3213, 1402]	4611	[6650, 5888]	7380	[2051, 2145]	10149	[6254, 5588]
1843	[1355, 3214]	4612	[6651, 6568]	7381	[2337, 5585]	10150	[2815, 6254]
1844	[3215, 1223]	4613	[6652, 2128]	7382	[5991, 5586]	10151	[954, 140]
1845	[3216, 430]	4614	[6653, 56]	7383	[9133, 9134]	10152	[10749, 6253]
1846	[3217, 3218]	4615	[5258, 2539]	7384	[5729, 9135]	10153	[10750, 11]
1847	[3219, 3220]	4616	[6654, 561]	7385	[744, 2282]	10154	[10751, 6117]
1848	[3221, 3222]	4617	[2145, 2819]	7386	[9136, 9137]	10155	[3026, 9147]
1849	[3223, 3224]	4618	[6655, 6656]	7387	[9138, 2581]	10156	[9499, 2003]
1850	[3225, 484]	4619	[6657, 2777]	7388	[9139, 2512]	10157	[2396, 1802]
1851	[3226, 3227]	4620	[6658, 597]	7389	[5755, 2246]	10158	[676, 3129]
1852	[3228, 3229]	4621	[6659, 2297]	7390	[2634, 5023]	10159	[9857, 8810]
1853	[3230, 126]	4622	[6074, 6442]	7391	[9140, 1924]	10160	[10752, 6580]
1854	[3231, 3232]	4623	[2245, 5756]	7392	[9141, 9142]	10161	[10753, 9962]
1855	[3233, 3234]	4624	[5700, 6660]	7393	[1873, 5920]	10162	[9162, 543]
1856	[3235, 3236]	4625	[6661, 5488]	7394	[9143, 797]	10163	[10754, 6028]
1857	[3237, 3238]	4626	[5492, 2147]	7395	[6417, 8979]	10164	[10755, 6821]

1858	[3239, 1152]	4627	[6662, 2787]	7396	[9144, 1824]	10165	[6411, 805]
1859	[3240, 3241]	4628	[6663, 2994]	7397	[9145, 9132]	10166	[9795, 39]
1860	[1605, 3242]	4629	[5406, 6664]	7398	[9146, 6162]	10167	[5570, 153]
1861	[3243, 1431]	4630	[2911, 5908]	7399	[5100, 240]	10168	[2372, 10756]
1862	[1773, 3244]	4631	[6665, 681]	7400	[6002, 9095]	10169	[10757, 695]
1863	[3245, 3246]	4632	[6666, 6448]	7401	[5042, 9147]	10170	[10758, 912]
1864	[3247, 3248]	4633	[6667, 5919]	7402	[5891, 2405]	10171	[10759, 9137]
1865	[3249, 3250]	4634	[6668, 676]	7403	[9148, 6362]	10172	[10760, 2385]
1866	[3251, 3252]	4635	[6669, 2829]	7404	[5604, 9149]	10173	[10761, 9933]
1867	[3253, 3254]	4636	[6670, 6671]	7405	[9150, 5615]	10174	[10762, 6846]
1868	[3255, 3256]	4637	[6672, 757]	7406	[5316, 5687]	10175	[9402, 10763]
1869	[3257, 3258]	4638	[6673, 798]	7407	[5793, 2154]	10176	[10764, 10765]
1870	[3259, 1439]	4639	[6674, 6026]	7408	[9151, 5084]	10177	[6815, 2723]
1871	[3260, 3261]	4640	[6675, 2699]	7409	[9152, 6675]	10178	[254, 6833]
1872	[1312, 3262]	4641	[144, 2845]	7410	[48, 9153]	10179	[10766, 5039]
1873	[3263, 3264]	4642	[697, 6278]	7411	[6543, 9154]	10180	[2400, 898]
1874	[315, 3265]	4643	[6676, 6677]	7412	[6900, 847]	10181	[10767, 10024]
1875	[3266, 3267]	4644	[6678, 2575]	7413	[6570, 8832]	10182	[9779, 6938]
1876	[3268, 3269]	4645	[6679, 5868]	7414	[9155, 9009]	10183	[10768, 5748]
1877	[3270, 3271]	4646	[2110, 2905]	7415	[5156, 1933]	10184	[6715, 2939]
1878	[3272, 3273]	4647	[2111, 6680]	7416	[9156, 2307]	10185	[9722, 5037]
1879	[3176, 3274]	4648	[6390, 6681]	7417	[6188, 9157]	10186	[9322, 8972]
1880	[407, 3275]	4649	[6682, 4980]	7418	[9158, 5672]	10187	[6219, 9679]
1881	[3276, 3277]	4650	[2644, 5973]	7419	[9159, 9160]	10188	[2676, 2138]
1882	[3278, 1732]	4651	[6683, 6684]	7420	[9161, 9162]	10189	[10769, 9026]
1883	[3279, 3236]	4652	[6685, 6686]	7421	[2090, 3044]	10190	[6367, 9990]
1884	[3280, 3281]	4653	[5781, 5882]	7422	[9163, 6192]	10191	[2705, 5822]
1885	[3282, 298]	4654	[6687, 2725]	7423	[5507, 5583]	10192	[5876, 6632]
1886	[3283, 3284]	4655	[6688, 6211]	7424	[9164, 2614]	10193	[9063, 2260]
1887	[3285, 3286]	4656	[6689, 1898]	7425	[2596, 213]	10194	[6613, 10770]
1888	[3287, 1198]	4657	[6690, 2507]	7426	[5162, 8919]	10195	[10771, 2174]
1889	[3288, 3289]	4658	[6691, 5645]	7427	[9165, 9166]	10196	[5228, 2815]
1890	[3290, 1657]	4659	[6692, 6693]	7428	[2485, 9167]	10197	[3033, 10772]
1891	[3291, 3292]	4660	[6048, 5116]	7429	[5864, 5981]	10198	[10773, 5805]
1892	[3293, 1215]	4661	[6694, 5946]	7430	[9168, 2027]	10199	[9139, 6128]
1893	[1202, 3294]	4662	[6695, 5797]	7431	[9169, 2584]	10200	[2664, 9182]
1894	[3295, 3296]	4663	[6696, 6697]	7432	[9057, 5282]	10201	[10774, 10775]
1895	[1208, 3297]	4664	[6698, 5150]	7433	[9170, 5696]	10202	[9840, 795]
1896	[3298, 3299]	4665	[128, 6699]	7434	[8830, 9171]	10203	[917, 5216]
1897	[3300, 3301]	4666	[2182, 2561]	7435	[6958, 6615]	10204	[6938, 5406]
1898	[3302, 3303]	4667	[6700, 3097]	7436	[5765, 2175]	10205	[5369, 8998]
1899	[3304, 1711]	4668	[3103, 6701]	7437	[8936, 9172]	10206	[10776, 6712]
1900	[3305, 3306]	4669	[6702, 5627]	7438	[9173, 9174]	10207	[506, 2818]
1901	[3307, 3308]	4670	[6703, 6704]	7439	[9175, 2165]	10208	[5898, 9088]

1902	[3309, 3310]	4671	[5737, 6153]	7440	[9176, 9177]	10209	[5043, 2727]
1903	[3311, 3312]	4672	[3132, 2195]	7441	[9178, 5967]	10210	[10777, 6404]
1904	[3313, 3314]	4673	[6705, 2924]	7442	[9179, 5409]	10211	[5170, 9843]
1905	[1297, 1023]	4674	[6706, 5264]	7443	[5406, 6704]	10212	[9975, 10704]
1906	[3315, 3316]	4675	[6707, 6708]	7444	[2287, 3070]	10213	[9515, 5186]
1907	[3317, 3318]	4676	[6709, 2277]	7445	[9180, 5236]	10214	[10778, 2859]
1908	[1339, 1136]	4677	[1992, 6710]	7446	[9181, 1871]	10215	[844, 9991]
1909	[90, 3319]	4678	[6711, 682]	7447	[9182, 5455]	10216	[10779, 5628]
1910	[3320, 1412]	4679	[530, 6712]	7448	[9183, 856]	10217	[2641, 9018]
1911	[3321, 3322]	4680	[6592, 5704]	7449	[2085, 9184]	10218	[10780, 6894]
1912	[3323, 3324]	4681	[6713, 6714]	7450	[9185, 968]	10219	[10781, 8947]
1913	[3325, 3326]	4682	[6715, 6716]	7451	[9186, 5205]	10220	[1980, 8924]
1914	[3327, 3328]	4683	[2314, 3082]	7452	[9187, 6744]	10221	[2578, 5959]
1915	[3329, 3330]	4684	[5822, 947]	7453	[3125, 8987]	10222	[10782, 9216]
1916	[3331, 3332]	4685	[6717, 2967]	7454	[9188, 596]	10223	[5315, 6015]
1917	[3333, 3334]	4686	[6718, 1845]	7455	[9189, 9190]	10224	[9545, 6421]
1918	[3335, 3336]	4687	[850, 5130]	7456	[6453, 9191]	10225	[10783, 9142]
1919	[3337, 261]	4688	[6719, 6720]	7457	[9192, 2013]	10226	[2178, 6602]
1920	[3338, 3339]	4689	[6557, 6544]	7458	[9193, 5848]	10227	[10784, 2264]
1921	[3340, 3341]	4690	[6721, 3114]	7459	[2934, 3073]	10228	[6874, 6649]
1922	[3180, 3342]	4691	[6722, 6723]	7460	[9194, 9195]	10229	[10785, 6922]
1923	[3343, 3344]	4692	[5065, 6724]	7461	[9196, 5348]	10230	[6316, 2099]
1924	[3345, 3346]	4693	[6725, 5997]	7462	[9197, 252]	10231	[9844, 9335]
1925	[1492, 3347]	4694	[6006, 2601]	7463	[9198, 4979]	10232	[10786, 6513]
1926	[112, 3348]	4695	[6231, 6726]	7464	[6300, 5546]	10233	[10787, 5803]
1927	[120, 3349]	4696	[6727, 6728]	7465	[5336, 8935]	10234	[10788, 2634]
1928	[3350, 457]	4697	[6729, 5082]	7466	[4988, 2517]	10235	[10778, 936]
1929	[3351, 3352]	4698	[6730, 6731]	7467	[9199, 205]	10236	[2851, 5570]
1930	[3353, 1541]	4699	[6732, 2681]	7468	[9200, 5509]	10237	[10789, 2731]
1931	[3354, 3355]	4700	[8, 6733]	7469	[9201, 816]	10238	[10748, 6686]
1932	[3356, 3357]	4701	[2991, 6734]	7470	[2862, 6140]	10239	[2658, 9038]
1933	[1053, 459]	4702	[6735, 2997]	7471	[9202, 5519]	10240	[5302, 9111]
1934	[1517, 3358]	4703	[5835, 693]	7472	[9203, 9054]	10241	[10790, 9120]
1935	[1196, 3359]	4704	[6736, 2188]	7473	[9204, 9205]	10242	[5780, 2330]
1936	[3360, 3361]	4705	[5932, 6012]	7474	[9206, 9207]	10243	[3075, 5809]
1937	[3362, 3363]	4706	[229, 1945]	7475	[5403, 8980]	10244	[9711, 2824]
1938	[3364, 3365]	4707	[6737, 6605]	7476	[2488, 3038]	10245	[9180, 9737]
1939	[3366, 260]	4708	[1978, 2255]	7477	[6200, 5922]	10246	[10791, 2964]
1940	[3367, 3368]	4709	[6738, 2132]	7478	[9208, 9209]	10247	[10792, 9590]
1941	[3369, 3370]	4710	[6739, 618]	7479	[2432, 8860]	10248	[10793, 6967]
1942	[3371, 1120]	4711	[1801, 2397]	7480	[5090, 5096]	10249	[10794, 2104]
1943	[3372, 3373]	4712	[6740, 2580]	7481	[6432, 9210]	10250	[3086, 6612]
1944	[3374, 3375]	4713	[6465, 6519]	7482	[2873, 9211]	10251	[5572, 5291]
1945	[3376, 3377]	4714	[3109, 2481]	7483	[6236, 9212]	10252	[10795, 10775]

1946	[3378, 3379]	4715	[6741, 6742]	7484	[9213, 6358]	10253	[9063, 5021]
1947	[3380, 90]	4716	[5303, 6601]	7485	[9214, 5944]	10254	[10796, 6731]
1948	[3381, 3382]	4717	[6743, 6744]	7486	[9215, 9057]	10255	[9855, 5198]
1949	[3383, 3384]	4718	[6745, 5797]	7487	[758, 9216]	10256	[2577, 1885]
1950	[3385, 1363]	4719	[6746, 5706]	7488	[9217, 9218]	10257	[10797, 6154]
1951	[1439, 3386]	4720	[2265, 2347]	7489	[9219, 6947]	10258	[10798, 2894]
1952	[3387, 3388]	4721	[6747, 680]	7490	[9220, 2488]	10259	[10799, 9347]
1953	[3389, 3390]	4722	[6019, 5905]	7491	[9221, 5969]	10260	[6835, 863]
1954	[301, 1149]	4723	[6748, 6749]	7492	[9222, 6792]	10261	[1827, 2585]
1955	[3391, 3392]	4724	[5022, 2635]	7493	[9223, 5046]	10262	[10800, 5767]
1956	[3393, 3394]	4725	[192, 5013]	7494	[9224, 550]	10263	[2784, 9233]
1957	[1682, 3395]	4726	[194, 5327]	7495	[574, 5768]	10264	[6418, 9885]
1958	[3396, 3397]	4727	[6750, 2488]	7496	[5320, 2887]	10265	[9944, 9212]
1959	[3398, 1306]	4728	[6751, 3109]	7497	[3078, 5506]	10266	[745, 926]
1960	[3399, 3400]	4729	[6752, 6753]	7498	[2864, 9225]	10267	[9703, 9942]
1961	[3401, 3402]	4730	[6754, 2012]	7499	[3113, 2719]	10268	[9592, 5469]
1962	[3403, 3404]	4731	[6755, 6451]	7500	[5262, 9226]	10269	[6326, 8813]
1963	[3405, 3406]	4732	[6404, 5313]	7501	[9227, 2768]	10270	[697, 2223]
1964	[3407, 3408]	4733	[2268, 6756]	7502	[5366, 9228]	10271	[10801, 6066]
1965	[1487, 3348]	4734	[5051, 6757]	7503	[9229, 893]	10272	[9760, 6505]
1966	[3409, 3410]	4735	[6332, 2138]	7504	[9230, 5239]	10273	[5603, 6344]
1967	[3411, 3412]	4736	[5361, 6758]	7505	[9231, 2449]	10274	[6886, 9068]
1968	[3413, 3414]	4737	[6759, 6760]	7506	[6513, 2541]	10275	[10802, 37]
1969	[3415, 3416]	4738	[6761, 2814]	7507	[9232, 8901]	10276	[6239, 2071]
1970	[3417, 3418]	4739	[6762, 2869]	7508	[3134, 2194]	10277	[9742, 6020]
1971	[3419, 3222]	4740	[6763, 2200]	7509	[6421, 6165]	10278	[6412, 9790]
1972	[3420, 3272]	4741	[5140, 6389]	7510	[9075, 9233]	10279	[9871, 1839]
1973	[3421, 3143]	4742	[5582, 5552]	7511	[6566, 9234]	10280	[10803, 9135]
1974	[3422, 3183]	4743	[6764, 2914]	7512	[3110, 9235]	10281	[10804, 9610]
1975	[3423, 3424]	4744	[6765, 2886]	7513	[5260, 1958]	10282	[10805, 5895]
1976	[3425, 3426]	4745	[2297, 142]	7514	[8979, 5404]	10283	[3101, 9007]
1977	[3427, 1698]	4746	[46, 6766]	7515	[9236, 6322]	10284	[10806, 9160]
1978	[3428, 1667]	4747	[969, 6767]	7516	[6671, 6074]	10285	[6241, 5867]
1979	[3429, 3430]	4748	[6768, 6468]	7517	[9237, 5322]	10286	[5841, 9225]
1980	[3431, 3432]	4749	[250, 5140]	7518	[9238, 5951]	10287	[10006, 2606]
1981	[1039, 3433]	4750	[6769, 6403]	7519	[5972, 3063]	10288	[8927, 6701]
1982	[3434, 1641]	4751	[6770, 6261]	7520	[2827, 5068]	10289	[10782, 759]
1983	[1157, 3435]	4752	[6771, 6772]	7521	[9239, 2062]	10290	[10807, 2972]
1984	[3436, 3437]	4753	[6773, 6774]	7522	[9240, 596]	10291	[9969, 6061]
1985	[3438, 3439]	4754	[1850, 2001]	7523	[5727, 6598]	10292	[6072, 792]
1986	[3440, 3441]	4755	[6775, 2652]	7524	[9241, 9242]	10293	[8988, 37]
1987	[3442, 1220]	4756	[6776, 5501]	7525	[6924, 9080]	10294	[10808, 4981]
1988	[95, 3443]	4757	[5417, 6777]	7526	[9243, 9244]	10295	[9325, 5288]
1989	[1336, 3264]	4758	[6778, 6779]	7527	[2331, 5830]	10296	[2483, 8878]

1990	[1338, 1189]	4759	[6780, 6781]	7528	[9245, 9246]	10297	[5074, 9711]
1991	[3204, 3444]	4760	[6782, 659]	7529	[6347, 2420]	10298	[10809, 2851]
1992	[3445, 3446]	4761	[5443, 6783]	7530	[829, 5672]	10299	[5271, 10013]
1993	[3447, 3448]	4762	[6784, 6726]	7531	[9247, 6173]	10300	[3029, 10810]
1994	[3449, 1686]	4763	[6759, 6785]	7532	[9248, 2949]	10301	[2909, 912]
1995	[3450, 3451]	4764	[6374, 2841]	7533	[9249, 226]	10302	[9904, 2520]
1996	[3452, 3453]	4765	[6508, 6005]	7534	[9250, 9251]	10303	[5834, 5772]
1997	[3454, 3455]	4766	[6786, 6592]	7535	[9218, 2931]	10304	[10811, 5666]
1998	[1267, 3456]	4767	[6787, 779]	7536	[9252, 9253]	10305	[2984, 9376]
1999	[1131, 3457]	4768	[6788, 6489]	7537	[5412, 618]	10306	[2215, 5288]
2000	[3458, 3459]	4769	[6666, 45]	7538	[5299, 5684]	10307	[2952, 10812]
2001	[3460, 3461]	4770	[5206, 6789]	7539	[5244, 5134]	10308	[185, 6018]
2002	[1680, 3462]	4771	[6790, 801]	7540	[9254, 1965]	10309	[10813, 6470]
2003	[3463, 3464]	4772	[5919, 6791]	7541	[6488, 2007]	10310	[10814, 868]
2004	[3465, 1391]	4773	[2594, 6792]	7542	[5734, 2008]	10311	[197, 2349]
2005	[3466, 411]	4774	[6793, 6794]	7543	[9255, 9069]	10312	[10815, 135]
2006	[3167, 3467]	4775	[6795, 6796]	7544	[5760, 5798]	10313	[10002, 9989]
2007	[3468, 3402]	4776	[6505, 4979]	7545	[9256, 9257]	10314	[6500, 6113]
2008	[3469, 3470]	4777	[2322, 6797]	7546	[5781, 5475]	10315	[9584, 2071]
2009	[3471, 1653]	4778	[6798, 2938]	7547	[2232, 6968]	10316	[5392, 2696]
2010	[3472, 1605]	4779	[6799, 6438]	7548	[9168, 2713]	10317	[9077, 6127]
2011	[3473, 3474]	4780	[6800, 5522]	7549	[9258, 9259]	10318	[1982, 9563]
2012	[3475, 3194]	4781	[874, 6801]	7550	[3084, 6953]	10319	[5957, 5524]
2013	[3476, 3477]	4782	[6802, 3066]	7551	[9260, 8985]	10320	[2940, 948]
2014	[3478, 3479]	4783	[6803, 6804]	7552	[9261, 9262]	10321	[10816, 6720]
2015	[3439, 3480]	4784	[6805, 5978]	7553	[9263, 6673]	10322	[10792, 9686]
2016	[3481, 3482]	4785	[6806, 5178]	7554	[6180, 9264]	10323	[6743, 10730]
2017	[3483, 3484]	4786	[6780, 6482]	7555	[9265, 5948]	10324	[2200, 626]
2018	[3485, 3486]	4787	[6807, 2773]	7556	[2427, 6572]	10325	[10817, 9264]
2019	[3487, 3488]	4788	[2535, 6767]	7557	[2925, 5539]	10326	[1950, 4993]
2020	[3489, 3490]	4789	[6808, 6766]	7558	[9266, 1992]	10327	[5967, 5645]
2021	[88, 3491]	4790	[6809, 6760]	7559	[9267, 2686]	10328	[9123, 9559]
2022	[426, 3492]	4791	[6810, 5097]	7560	[9268, 5946]	10329	[6500, 9019]
2023	[1374, 3493]	4792	[5426, 6811]	7561	[9269, 2523]	10330	[6909, 807]
2024	[3494, 3495]	4793	[2189, 5306]	7562	[9270, 9271]	10331	[10818, 1905]
2025	[3496, 3497]	4794	[6633, 6812]	7563	[5048, 9272]	10332	[10819, 10820]
2026	[3498, 3499]	4795	[6813, 6154]	7564	[9273, 5868]	10333	[3007, 2692]
2027	[3500, 3420]	4796	[6009, 6814]	7565	[9274, 9275]	10334	[10821, 6791]
2028	[1384, 3501]	4797	[6815, 760]	7566	[9276, 1801]	10335	[10822, 10765]
2029	[1378, 3502]	4798	[6816, 6817]	7567	[9251, 196]	10336	[10823, 5786]
2030	[3503, 3248]	4799	[6818, 6819]	7568	[9277, 5403]	10337	[2342, 10824]
2031	[3504, 3505]	4800	[6820, 6821]	7569	[9278, 656]	10338	[5500, 6086]
2032	[3506, 3507]	4801	[6528, 620]	7570	[198, 9279]	10339	[5953, 6200]
2033	[3508, 3509]	4802	[6822, 2519]	7571	[9280, 9281]	10340	[763, 1951]

2034	[3510, 3511]	4803	[6823, 6824]	7572	[534, 5789]	10341	[10825, 5910]
2035	[3512, 3513]	4804	[6531, 2132]	7573	[9282, 950]	10342	[9788, 2447]
2036	[3514, 1061]	4805	[525, 5684]	7574	[5767, 575]	10343	[10826, 5966]
2037	[1246, 3515]	4806	[6825, 895]	7575	[9150, 6868]	10344	[10827, 6337]
2038	[3516, 3517]	4807	[1919, 2586]	7576	[9283, 9284]	10345	[6965, 9430]
2039	[3518, 1642]	4808	[6826, 896]	7577	[1969, 6660]	10346	[5176, 5263]
2040	[3519, 3520]	4809	[6827, 6828]	7578	[5308, 5562]	10347	[8974, 8888]
2041	[304, 3521]	4810	[2385, 6829]	7579	[5694, 2343]	10348	[9375, 10812]
2042	[3522, 3523]	4811	[2882, 2907]	7580	[9285, 9286]	10349	[10828, 9056]
2043	[3143, 3524]	4812	[6830, 756]	7581	[737, 514]	10350	[5718, 10829]
2044	[3525, 3526]	4813	[6831, 6489]	7582	[9287, 5602]	10351	[10830, 6330]
2045	[3527, 3528]	4814	[733, 2364]	7583	[9288, 2890]	10352	[10831, 5314]
2046	[1494, 285]	4815	[6832, 6134]	7584	[5483, 9289]	10353	[2128, 5619]
2047	[3529, 1649]	4816	[2495, 6833]	7585	[9290, 6073]	10354	[6168, 9167]
2048	[3530, 3531]	4817	[677, 3130]	7586	[9291, 9292]	10355	[9029, 6714]
2049	[3532, 3533]	4818	[6834, 874]	7587	[9293, 1815]	10356	[9250, 195]
2050	[3534, 1266]	4819	[6835, 5325]	7588	[6036, 5467]	10357	[6960, 2304]
2051	[3535, 1163]	4820	[6836, 2022]	7589	[9294, 2098]	10358	[2571, 8907]
2052	[3536, 3537]	4821	[2537, 2656]	7590	[9295, 9257]	10359	[6034, 9210]
2053	[3538, 1127]	4822	[6837, 2944]	7591	[1806, 5877]	10360	[8944, 674]
2054	[3224, 1546]	4823	[6838, 6839]	7592	[9296, 5921]	10361	[9717, 6216]
2055	[3539, 3540]	4824	[6807, 2250]	7593	[9297, 9298]	10362	[10832, 9001]
2056	[3541, 3542]	4825	[6122, 6483]	7594	[2397, 6596]	10363	[9164, 9716]
2057	[3543, 3544]	4826	[6840, 6463]	7595	[9299, 6585]	10364	[10833, 1905]
2058	[3545, 3546]	4827	[6497, 652]	7596	[9300, 860]	10365	[10834, 6567]
2059	[1325, 1487]	4828	[6841, 2965]	7597	[5899, 9089]	10366	[8917, 2666]
2060	[1420, 3547]	4829	[3088, 3081]	7598	[9301, 149]	10367	[8904, 5789]
2061	[447, 3548]	4830	[2481, 6842]	7599	[3095, 2712]	10368	[2394, 9872]
2062	[3549, 3550]	4831	[6843, 2145]	7600	[6004, 6050]	10369	[10835, 715]
2063	[3551, 3552]	4832	[6844, 5495]	7601	[9302, 2812]	10370	[4989, 9505]
2064	[3553, 3554]	4833	[6845, 6846]	7602	[9303, 5576]	10371	[10836, 5151]
2065	[3555, 3556]	4834	[6445, 6004]	7603	[9304, 1921]	10372	[9783, 8937]
2066	[3557, 3558]	4835	[6847, 1926]	7604	[1800, 6804]	10373	[10837, 858]
2067	[72, 1766]	4836	[6444, 6848]	7605	[2317, 6756]	10374	[5787, 911]
2068	[1582, 1014]	4837	[6612, 5043]	7606	[9305, 6088]	10375	[9156, 6069]
2069	[3559, 3560]	4838	[2080, 6849]	7607	[2131, 5953]	10376	[10766, 9972]
2070	[3561, 3562]	4839	[6850, 6851]	7608	[5794, 6838]	10377	[10838, 6957]
2071	[3563, 3564]	4840	[6852, 3109]	7609	[9306, 9307]	10378	[10839, 6582]
2072	[3565, 3566]	4841	[6841, 2084]	7610	[6444, 9308]	10379	[2445, 5269]
2073	[3521, 3567]	4842	[6853, 6854]	7611	[9271, 9309]	10380	[10840, 9674]
2074	[3568, 3569]	4843	[2258, 2510]	7612	[9310, 9311]	10381	[2499, 1900]
2075	[3570, 3571]	4844	[6855, 2038]	7613	[8839, 5964]	10382	[2527, 5763]
2076	[3572, 3573]	4845	[6856, 5142]	7614	[9312, 9313]	10383	[6507, 1948]
2077	[3574, 3193]	4846	[6018, 834]	7615	[9023, 6797]	10384	[970, 9963]

2078	[3537, 3575]	4847	[6857, 6858]	7616	[9314, 6819]	10385	[10841, 5376]
2079	[1187, 3576]	4848	[6859, 6471]	7617	[9315, 2588]	10386	[6280, 2696]
2080	[3577, 3336]	4849	[6860, 6083]	7618	[9316, 5420]	10387	[5439, 10727]
2081	[1545, 3578]	4850	[6861, 6262]	7619	[9317, 5391]	10388	[5958, 6238]
2082	[3579, 3580]	4851	[6862, 6247]	7620	[9318, 9177]	10389	[6457, 10829]
2083	[3581, 3582]	4852	[5574, 6007]	7621	[9319, 6436]	10390	[5466, 9801]
2084	[3583, 3584]	4853	[6863, 5978]	7622	[712, 503]	10391	[9283, 10020]
2085	[3585, 3586]	4854	[6864, 6350]	7623	[9055, 9320]	10392	[10842, 9058]
2086	[3587, 1045]	4855	[6865, 6625]	7624	[5711, 648]	10393	[9155, 10843]
2087	[3588, 3589]	4856	[6075, 669]	7625	[9321, 6320]	10394	[6595, 5526]
2088	[3590, 3591]	4857	[2201, 627]	7626	[5371, 5056]	10395	[2493, 5638]
2089	[3592, 3593]	4858	[2336, 6254]	7627	[6165, 5925]	10396	[5147, 10844]
2090	[3594, 3355]	4859	[6629, 6631]	7628	[6009, 9298]	10397	[9469, 10845]
2091	[3595, 3306]	4860	[2337, 6866]	7629	[2775, 8991]	10398	[10846, 731]
2092	[3392, 3596]	4861	[6867, 5370]	7630	[9322, 9323]	10399	[8978, 914]
2093	[3597, 1183]	4862	[2087, 6868]	7631	[8846, 9324]	10400	[10847, 8871]
2094	[3598, 1507]	4863	[5258, 637]	7632	[9325, 6416]	10401	[10848, 9415]
2095	[3599, 3600]	4864	[6869, 6094]	7633	[6840, 610]	10402	[6602, 5932]
2096	[3601, 3602]	4865	[6870, 2464]	7634	[1981, 2756]	10403	[10725, 833]
2097	[3603, 3604]	4866	[5453, 6606]	7635	[2755, 8845]	10404	[9507, 5998]
2098	[3605, 3606]	4867	[206, 559]	7636	[6525, 2644]	10405	[10849, 5442]
2099	[3607, 3608]	4868	[6871, 6675]	7637	[6724, 6439]	10406	[10847, 9202]
2100	[3265, 3609]	4869	[6872, 762]	7638	[9326, 9099]	10407	[10850, 2450]
2101	[3610, 3611]	4870	[6873, 764]	7639	[5270, 746]	10408	[10834, 9234]
2102	[3612, 3613]	4871	[6874, 766]	7640	[9327, 2821]	10409	[10851, 10852]
2103	[3614, 3615]	4872	[6875, 768]	7641	[2280, 9328]	10410	[10853, 9058]
2104	[3616, 1279]	4873	[5501, 6876]	7642	[5920, 9329]	10411	[5948, 2772]
2105	[3617, 3618]	4874	[5445, 6877]	7643	[2109, 2190]	10412	[10854, 9941]
2106	[3619, 3554]	4875	[6799, 6724]	7644	[3030, 3129]	10413	[6839, 2114]
2107	[3620, 3621]	4876	[6878, 6879]	7645	[9330, 6774]	10414	[10855, 9587]
2108	[3622, 403]	4877	[6880, 3105]	7646	[771, 2338]	10415	[10856, 893]
2109	[359, 3623]	4878	[6181, 5851]	7647	[6866, 672]	10416	[10799, 10710]
2110	[3624, 974]	4879	[6881, 6523]	7648	[5383, 5985]	10417	[922, 153]
2111	[1137, 3625]	4880	[6882, 5015]	7649	[9331, 9332]	10418	[2316, 5513]
2112	[1419, 3626]	4881	[6883, 5579]	7650	[9333, 9334]	10419	[6656, 9226]
2113	[3627, 1029]	4882	[6884, 6591]	7651	[5658, 9335]	10420	[10857, 1848]
2114	[3628, 3582]	4883	[6885, 2700]	7652	[9336, 5886]	10421	[5631, 6812]
2115	[3629, 3630]	4884	[6886, 6887]	7653	[6351, 6256]	10422	[2167, 10858]
2116	[3631, 3632]	4885	[6888, 2632]	7654	[2501, 9288]	10423	[2624, 9929]
2117	[3633, 1411]	4886	[6889, 5250]	7655	[9337, 6407]	10424	[5460, 9730]
2118	[3634, 3635]	4887	[6488, 5734]	7656	[6517, 2483]	10425	[9008, 10843]
2119	[3636, 3637]	4888	[6753, 5884]	7657	[5802, 9338]	10426	[2068, 5299]
2120	[3638, 3639]	4889	[6890, 6891]	7658	[6663, 9339]	10427	[9258, 10859]
2121	[3640, 3641]	4890	[6892, 6088]	7659	[9148, 9081]	10428	[6385, 5732]

2122	[3642, 3643]	4891	[6893, 6894]	7660	[9340, 2768]	10429	[9678, 6220]
2123	[471, 3644]	4892	[6895, 2849]	7661	[9341, 2722]	10430	[2064, 1988]
2124	[3645, 3646]	4893	[6896, 5308]	7662	[2701, 9342]	10431	[9666, 529]
2125	[3647, 3563]	4894	[6897, 6286]	7663	[6695, 183]	10432	[9024, 2758]
2126	[3648, 3649]	4895	[6606, 2348]	7664	[2543, 6699]	10433	[9970, 10763]
2127	[3650, 3651]	4896	[6898, 540]	7665	[9277, 8979]	10434	[10860, 6376]
2128	[3652, 3653]	4897	[6899, 6348]	7666	[9343, 9344]	10435	[6182, 2339]
2129	[3654, 3655]	4898	[1906, 5775]	7667	[897, 9345]	10436	[5421, 6271]
2130	[3485, 3656]	4899	[6678, 6062]	7668	[9346, 9347]	10437	[9850, 9827]
2131	[3657, 3658]	4900	[913, 616]	7669	[664, 6175]	10438	[9622, 5280]
2132	[3659, 3660]	4901	[6900, 6901]	7670	[6774, 9205]	10439	[2774, 2687]
2133	[3661, 108]	4902	[2285, 2573]	7671	[9348, 6779]	10440	[10861, 6355]
2134	[3662, 3663]	4903	[6902, 6181]	7672	[9349, 9224]	10441	[9887, 2774]
2135	[3664, 3665]	4904	[2711, 6364]	7673	[9350, 9184]	10442	[10862, 6046]
2136	[3666, 3667]	4905	[6903, 2709]	7674	[9351, 2854]	10443	[642, 10770]
2137	[3668, 3303]	4906	[6904, 5352]	7675	[2408, 249]	10444	[10863, 718]
2138	[3669, 3670]	4907	[6685, 6905]	7676	[5567, 9154]	10445	[10864, 734]
2139	[3671, 3672]	4908	[6880, 877]	7677	[6691, 5968]	10446	[1869, 10865]
2140	[3673, 1558]	4909	[6906, 2448]	7678	[9352, 6068]	10447	[6118, 3049]
2141	[3674, 3675]	4910	[5757, 6217]	7679	[2048, 5861]	10448	[10866, 59]
2142	[3139, 3676]	4911	[6065, 6907]	7680	[9353, 2751]	10449	[10867, 876]
2143	[3677, 3678]	4912	[6908, 6909]	7681	[9354, 9127]	10450	[10868, 2306]
2144	[3679, 1343]	4913	[6910, 6084]	7682	[9355, 798]	10451	[5808, 6551]
2145	[3680, 3310]	4914	[6911, 5642]	7683	[9356, 2506]	10452	[9578, 9016]
2146	[3324, 1142]	4915	[6912, 5987]	7684	[706, 1989]	10453	[2446, 9712]
2147	[3681, 3682]	4916	[6913, 6914]	7685	[9357, 1891]	10454	[10869, 2457]
2148	[3683, 3684]	4917	[2174, 6915]	7686	[9358, 6496]	10455	[2565, 5565]
2149	[3685, 3686]	4918	[6916, 6325]	7687	[2665, 8918]	10456	[5458, 9612]
2150	[3687, 1307]	4919	[6917, 3137]	7688	[5963, 881]	10457	[5061, 551]
2151	[1686, 3688]	4920	[6918, 5517]	7689	[8, 6314]	10458	[10702, 2286]
2152	[1391, 3689]	4921	[5960, 3008]	7690	[9359, 4971]	10459	[5109, 10870]
2153	[1066, 3690]	4922	[6919, 5440]	7691	[9360, 9361]	10460	[10871, 9097]
2154	[3691, 3692]	4923	[6920, 6257]	7692	[9362, 9363]	10461	[4996, 6250]
2155	[3693, 1482]	4924	[6921, 6922]	7693	[9364, 236]	10462	[10872, 5112]
2156	[3694, 3695]	4925	[5399, 620]	7694	[9365, 9366]	10463	[742, 205]
2157	[3696, 3697]	4926	[6923, 2373]	7695	[9367, 9368]	10464	[5482, 1997]
2158	[995, 3698]	4927	[6924, 6925]	7696	[9369, 5435]	10465	[557, 5303]
2159	[3699, 3700]	4928	[6926, 6927]	7697	[9222, 5302]	10466	[4986, 5838]
2160	[3547, 3548]	4929	[6928, 680]	7698	[9370, 2612]	10467	[10873, 6241]
2161	[3701, 3535]	4930	[2193, 5073]	7699	[9371, 2403]	10468	[5896, 3061]
2162	[3702, 72]	4931	[5223, 2047]	7700	[5296, 9372]	10469	[10874, 9620]
2163	[387, 3703]	4932	[6929, 6930]	7701	[3015, 9373]	10470	[2435, 9324]
2164	[3704, 3705]	4933	[6931, 6932]	7702	[6235, 9345]	10471	[9605, 5298]
2165	[3706, 3459]	4934	[6364, 6933]	7703	[9374, 5899]	10472	[10875, 6891]

2166	[3707, 3708]	4935	[6934, 11]	7704	[9375, 2953]	10473	[9182, 10865]
2167	[3709, 3710]	4936	[6935, 13]	7705	[9052, 9376]	10474	[10876, 2516]
2168	[1415, 3711]	4937	[6936, 6318]	7706	[9377, 5143]	10475	[2350, 2988]
2169	[3712, 3713]	4938	[6937, 6938]	7707	[9378, 6371]	10476	[2377, 9682]
2170	[1709, 1526]	4939	[6939, 6940]	7708	[6610, 3022]	10477	[9988, 5928]
2171	[3714, 3715]	4940	[6941, 6942]	7709	[9379, 6470]	10478	[6633, 6206]
2172	[3716, 3717]	4941	[6943, 6944]	7710	[6213, 1907]	10479	[10877, 6742]
2173	[3718, 286]	4942	[832, 6945]	7711	[1968, 2004]	10480	[10878, 2090]
2174	[3719, 377]	4943	[6946, 6947]	7712	[9380, 9381]	10481	[10715, 5047]
2175	[3720, 3721]	4944	[3071, 5187]	7713	[9382, 5041]	10482	[9489, 8801]
2176	[3722, 3529]	4945	[6948, 2896]	7714	[9383, 5695]	10483	[6015, 5687]
2177	[3723, 412]	4946	[5100, 644]	7715	[9384, 5873]	10484	[5277, 8890]
2178	[3724, 3725]	4947	[6949, 6950]	7716	[9385, 9120]	10485	[10879, 2033]
2179	[3726, 1501]	4948	[6951, 1937]	7717	[5463, 5741]	10486	[10880, 5411]
2180	[3727, 3728]	4949	[6952, 6953]	7718	[6600, 6377]	10487	[5538, 10028]
2181	[3729, 3730]	4950	[2637, 2000]	7719	[9386, 6385]	10488	[9145, 6858]
2182	[1352, 3731]	4951	[2263, 5297]	7720	[5761, 5799]	10489	[10881, 10858]
2183	[3732, 26]	4952	[6644, 2034]	7721	[2672, 820]	10490	[10882, 9625]
2184	[3733, 1179]	4953	[6954, 5286]	7722	[6562, 5742]	10491	[10883, 1888]
2185	[3734, 3735]	4954	[6955, 6411]	7723	[6179, 9387]	10492	[10857, 5219]
2186	[1416, 1733]	4955	[6956, 6957]	7724	[9388, 9389]	10493	[9951, 6250]
2187	[1124, 1735]	4956	[6958, 6229]	7725	[691, 2856]	10494	[6526, 2645]
2188	[3736, 3737]	4957	[6959, 6486]	7726	[1962, 6103]	10495	[9823, 6007]
2189	[3738, 3739]	4958	[6960, 6961]	7727	[9390, 8815]	10496	[6252, 10884]
2190	[3740, 3741]	4959	[2022, 6962]	7728	[9165, 9391]	10497	[5694, 10824]
2191	[3742, 3743]	4960	[6963, 2356]	7729	[9392, 9393]	10498	[10837, 5347]
2192	[3560, 3744]	4961	[6964, 6488]	7730	[724, 9394]	10499	[10885, 2559]
2193	[3745, 3737]	4962	[5762, 5830]	7731	[9395, 8857]	10500	[10886, 2248]
2194	[3686, 3746]	4963	[6965, 5951]	7732	[9349, 549]	10501	[9461, 871]
2195	[3747, 3748]	4964	[6966, 6967]	7733	[6448, 46]	10502	[10887, 5976]
2196	[3749, 1187]	4965	[6968, 6312]	7734	[9396, 6950]	10503	[2840, 6775]
2197	[3750, 1464]	4966	[6969, 6095]	7735	[6461, 5098]	10504	[2981, 9437]
2198	[3740, 3751]	4967	[6970, 3117]	7736	[6862, 9397]	10505	[9192, 6569]
2199	[3752, 3753]	4968	[6344, 2344]	7737	[2627, 3102]	10506	[6129, 9838]
2200	[3754, 3755]	4969	[6971, 6972]	7738	[5332, 9398]	10507	[1921, 6423]
2201	[3756, 3757]	4970	[6973, 6974]	7739	[950, 1918]	10508	[10888, 9363]
2202	[1655, 3571]	4971	[6975, 1451]	7740	[9399, 211]	10509	[925, 6877]
2203	[3758, 3759]	4972	[6976, 1450]	7741	[9400, 9355]	10510	[10889, 1973]
2204	[3760, 3761]	4973	[6977, 4642]	7742	[2982, 2599]	10511	[5628, 2545]
2205	[1612, 3762]	4974	[6978, 3830]	7743	[6281, 623]	10512	[10890, 9074]
2206	[3484, 3763]	4975	[6979, 4075]	7744	[8912, 2515]	10513	[2626, 5270]
2207	[3764, 3278]	4976	[4480, 6980]	7745	[6148, 9401]	10514	[10891, 2901]
2208	[391, 3765]	4977	[6981, 6982]	7746	[9402, 9403]	10515	[9845, 6772]
2209	[3189, 3766]	4978	[4812, 388]	7747	[9404, 9405]	10516	[3021, 6611]

2210	[1522, 3767]	4979	[6983, 6984]	7748	[9406, 9407]	10517	[2444, 6626]
2211	[1557, 3768]	4980	[3192, 6985]	7749	[5080, 9408]	10518	[10892, 2450]
2212	[3769, 3770]	4981	[6986, 3702]	7750	[9409, 6110]	10519	[10893, 5007]
2213	[3771, 3772]	4982	[6987, 387]	7751	[9410, 5430]	10520	[9891, 5224]
2214	[3773, 3774]	4983	[6988, 6989]	7752	[9411, 2362]	10521	[9627, 2578]
2215	[3775, 3776]	4984	[6990, 4120]	7753	[5851, 6321]	10522	[10894, 2554]
2216	[3777, 3778]	4985	[6991, 6992]	7754	[5103, 5029]	10523	[6670, 6073]
2217	[3779, 3780]	4986	[4767, 4680]	7755	[9263, 9355]	10524	[2934, 10810]
2218	[3781, 472]	4987	[6993, 1469]	7756	[9412, 9413]	10525	[10895, 6013]
2219	[3782, 3783]	4988	[1258, 4745]	7757	[9414, 9415]	10526	[5451, 8910]
2220	[1166, 3784]	4989	[4778, 4575]	7758	[9416, 8969]	10527	[10896, 5341]
2221	[3388, 1423]	4990	[317, 1701]	7759	[9417, 6824]	10528	[10897, 5328]
2222	[3785, 24]	4991	[6994, 6995]	7760	[3107, 6542]	10529	[6215, 9718]
2223	[3786, 1139]	4992	[6996, 6997]	7761	[9418, 6048]	10530	[10817, 5820]
2224	[3787, 3788]	4993	[6998, 407]	7762	[9419, 5691]	10531	[10898, 8912]
2225	[3789, 3790]	4994	[6999, 7000]	7763	[6286, 9420]	10532	[10899, 9242]
2226	[3791, 3589]	4995	[7001, 7002]	7764	[4990, 9421]	10533	[8929, 5630]
2227	[3792, 3793]	4996	[7003, 3296]	7765	[9422, 3005]	10534	[10900, 9748]
2228	[1695, 3794]	4997	[7004, 1093]	7766	[6012, 2907]	10535	[9684, 2561]
2229	[1603, 3795]	4998	[7005, 7006]	7767	[526, 9423]	10536	[5733, 2007]
2230	[3796, 3797]	4999	[7007, 7008]	7768	[9424, 5622]	10537	[8892, 8875]
2231	[3798, 3799]	5000	[7009, 1085]	7769	[9425, 2295]	10538	[6717, 6269]
2232	[3302, 3800]	5001	[7010, 1087]	7770	[9426, 2558]	10539	[9651, 10772]
2233	[3801, 1370]	5002	[7011, 4534]	7771	[9427, 2595]	10540	[10901, 5173]
2234	[3802, 1754]	5003	[7012, 491]	7772	[6270, 5422]	10541	[1877, 6493]
2235	[3709, 3210]	5004	[7013, 7014]	7773	[5621, 9428]	10542	[8938, 5790]
2236	[3803, 3804]	5005	[7015, 7016]	7774	[6600, 9429]	10543	[9794, 6695]
2237	[3471, 3805]	5006	[7017, 7018]	7775	[9238, 9430]	10544	[9733, 2469]
2238	[3806, 3807]	5007	[7019, 1498]	7776	[5999, 5758]	10545	[10902, 9818]
2239	[3808, 3809]	5008	[7020, 454]	7777	[9431, 815]	10546	[5494, 2888]
2240	[1389, 1335]	5009	[1486, 7021]	7778	[6655, 5262]	10547	[10903, 9253]
2241	[3810, 1269]	5010	[3960, 3750]	7779	[9432, 2046]	10548	[5094, 5757]
2242	[3811, 451]	5011	[4663, 4783]	7780	[9433, 6167]	10549	[2204, 9653]
2243	[3812, 3813]	5012	[7022, 1195]	7781	[9434, 6501]	10550	[9967, 2100]
2244	[3814, 3815]	5013	[381, 1517]	7782	[806, 9435]	10551	[10904, 49]
2245	[3816, 1661]	5014	[3781, 7023]	7783	[9436, 1808]	10552	[10905, 5534]
2246	[3817, 3818]	5015	[7024, 4544]	7784	[5387, 9437]	10553	[9685, 628]
2247	[3819, 1340]	5016	[7025, 1423]	7785	[5929, 8924]	10554	[9773, 2753]
2248	[3820, 3821]	5017	[1475, 7026]	7786	[9438, 5983]	10555	[9019, 6258]
2249	[3822, 3171]	5018	[4223, 7027]	7787	[9439, 2466]	10556	[5702, 2462]
2250	[3823, 3824]	5019	[7028, 3728]	7788	[9440, 5673]	10557	[10906, 6339]
2251	[1135, 3188]	5020	[3908, 7029]	7789	[5895, 2565]	10558	[10907, 9834]
2252	[3825, 3826]	5021	[7030, 7031]	7790	[9441, 2866]	10559	[10882, 6578]
2253	[3827, 1335]	5022	[7032, 371]	7791	[6528, 5400]	10560	[10908, 6444]

2254	[3828, 265]	5023	[7033, 472]	7792	[9442, 6530]	10561	[10909, 6927]
2255	[304, 3829]	5024	[7034, 4945]	7793	[9443, 9393]	10562	[5257, 8940]
2256	[120, 3830]	5025	[1011, 4311]	7794	[9444, 9307]	10563	[5324, 6777]
2257	[3210, 3831]	5026	[7035, 353]	7795	[9445, 2159]	10564	[10910, 9958]
2258	[3832, 3833]	5027	[7036, 1489]	7796	[6454, 5760]	10565	[9804, 549]
2259	[3834, 497]	5028	[64, 7037]	7797	[9024, 2114]	10566	[10828, 9320]
2260	[3835, 116]	5029	[22, 3904]	7798	[9446, 800]	10567	[6931, 5592]
2261	[3836, 3837]	5030	[7038, 65]	7799	[2768, 5026]	10568	[2578, 1886]
2262	[3838, 3644]	5031	[7039, 4555]	7800	[9447, 1819]	10569	[10911, 1973]
2263	[3839, 3840]	5032	[1399, 3168]	7801	[1826, 665]	10570	[9067, 5714]
2264	[3841, 3842]	5033	[7040, 4139]	7802	[9448, 6525]	10571	[5566, 6543]
2265	[3843, 3226]	5034	[7041, 266]	7803	[9449, 9361]	10572	[10912, 9655]
2266	[3844, 465]	5035	[3271, 7042]	7804	[9161, 5200]	10573	[2683, 10769]
2267	[3845, 3846]	5036	[7043, 1219]	7805	[6692, 9450]	10574	[6826, 6234]
2268	[3847, 1473]	5037	[7044, 3149]	7806	[628, 1892]	10575	[6336, 5741]
2269	[3848, 3849]	5038	[7045, 4920]	7807	[657, 5293]	10576	[10913, 8932]
2270	[3850, 3519]	5039	[7046, 7047]	7808	[9451, 6072]	10577	[6885, 2387]
2271	[3851, 3852]	5040	[7048, 7049]	7809	[3046, 2327]	10578	[10914, 10915]
2272	[1767, 3853]	5041	[7050, 3256]	7810	[4982, 2162]	10579	[5133, 687]
2273	[3854, 3855]	5042	[7051, 4333]	7811	[9452, 9453]	10580	[5043, 5744]
2274	[3856, 3857]	5043	[4905, 4036]	7812	[9133, 5378]	10581	[9756, 5219]
2275	[3603, 3858]	5044	[3580, 7052]	7813	[9454, 5888]	10582	[9536, 9862]
2276	[1180, 3859]	5045	[309, 7053]	7814	[9455, 2424]	10583	[9221, 775]
2277	[3860, 1427]	5046	[7054, 475]	7815	[3010, 2510]	10584	[10916, 5205]
2278	[3861, 3862]	5047	[116, 7055]	7816	[9456, 9457]	10585	[9927, 9989]
2279	[3863, 1041]	5048	[1158, 1270]	7817	[9458, 6866]	10586	[5581, 6343]
2280	[3864, 1320]	5049	[272, 4179]	7818	[9459, 5967]	10587	[10917, 6889]
2281	[3865, 3866]	5050	[7056, 3660]	7819	[9460, 5893]	10588	[9552, 9540]
2282	[3867, 1659]	5051	[7057, 4393]	7820	[9461, 6608]	10589	[10918, 2637]
2283	[3868, 3186]	5052	[7058, 3753]	7821	[2197, 9462]	10590	[2104, 5939]
2284	[3869, 3870]	5053	[7059, 1057]	7822	[9401, 813]	10591	[6421, 5924]
2285	[3871, 3872]	5054	[1424, 439]	7823	[2692, 602]	10592	[9906, 9524]
2286	[3873, 3375]	5055	[7060, 7061]	7824	[9463, 800]	10593	[5312, 957]
2287	[3874, 3154]	5056	[7062, 7063]	7825	[9464, 8820]	10594	[10811, 709]
2288	[3875, 3497]	5057	[7064, 1234]	7826	[9465, 2800]	10595	[6532, 5764]
2289	[3876, 3877]	5058	[3543, 1704]	7827	[3046, 9466]	10596	[9521, 164]
2290	[3878, 3787]	5059	[7065, 4242]	7828	[8884, 9467]	10597	[8825, 2998]
2291	[3879, 3500]	5060	[4620, 7066]	7829	[9468, 2131]	10598	[6897, 1902]
2292	[3880, 3881]	5061	[7067, 7068]	7830	[9469, 5670]	10599	[10758, 2910]
2293	[3882, 497]	5062	[7069, 3708]	7831	[9470, 222]	10600	[6853, 9037]
2294	[3883, 1691]	5063	[4721, 7070]	7832	[2783, 5718]	10601	[10839, 2180]
2295	[3884, 3885]	5064	[7071, 7072]	7833	[5812, 879]	10602	[10919, 6083]
2296	[3886, 285]	5065	[7073, 4166]	7834	[9471, 5506]	10603	[10920, 9899]
2297	[3887, 3888]	5066	[7074, 7075]	7835	[9472, 9473]	10604	[1868, 9182]

2298	[3889, 3607]	5067	[4921, 3544]	7836	[9474, 6347]	10605	[2615, 5543]
2299	[3890, 3891]	5068	[7076, 332]	7837	[5385, 8916]	10606	[9006, 5119]
2300	[3892, 3893]	5069	[7077, 7078]	7838	[1903, 5124]	10607	[10823, 857]
2301	[3894, 3394]	5070	[4424, 7079]	7839	[6031, 602]	10608	[6713, 9030]
2302	[1711, 3895]	5071	[7080, 124]	7840	[9380, 9475]	10609	[2177, 8930]
2303	[308, 3896]	5072	[424, 1133]	7841	[5561, 5581]	10610	[10899, 10738]
2304	[3897, 3898]	5073	[258, 4679]	7842	[9476, 9477]	10611	[10921, 10915]
2305	[470, 3838]	5074	[7081, 7082]	7843	[2945, 676]	10612	[10922, 5767]
2306	[3899, 3900]	5075	[7083, 3836]	7844	[9478, 5700]	10613	[8969, 5124]
2307	[3901, 3902]	5076	[7084, 7085]	7845	[9438, 795]	10614	[10801, 6907]
2308	[3903, 3904]	5077	[7086, 7087]	7846	[240, 3088]	10615	[10789, 907]
2309	[1191, 3905]	5078	[4120, 7088]	7847	[9479, 5264]	10616	[6151, 2575]
2310	[3906, 3527]	5079	[1150, 4646]	7848	[9480, 5482]	10617	[6657, 5000]
2311	[3907, 3908]	5080	[7089, 3495]	7849	[9344, 5551]	10618	[10923, 2676]
2312	[3909, 1317]	5081	[7090, 7091]	7850	[8906, 2572]	10619	[9449, 10924]
2313	[3910, 3911]	5082	[7092, 7093]	7851	[9232, 9092]	10620	[2938, 6716]
2314	[3912, 3913]	5083	[105, 7094]	7852	[2303, 6961]	10621	[2013, 9481]
2315	[3914, 3915]	5084	[7095, 7096]	7853	[2993, 9339]	10622	[5486, 547]
2316	[3916, 3917]	5085	[4760, 7097]	7854	[5168, 212]	10623	[954, 6019]
2317	[3918, 3919]	5086	[4525, 4295]	7855	[2278, 6601]	10624	[9270, 9099]
2318	[3920, 3921]	5087	[7098, 3791]	7856	[6569, 9481]	10625	[6345, 5521]
2319	[3922, 3923]	5088	[7099, 3936]	7857	[9482, 8843]	10626	[10925, 1857]
2320	[3924, 3925]	5089	[7100, 7101]	7858	[9483, 9484]	10627	[10881, 2168]
2321	[3926, 3927]	5090	[7102, 3461]	7859	[9483, 2455]	10628	[5495, 2889]
2322	[3928, 3327]	5091	[7103, 4080]	7860	[9485, 6530]	10629	[10926, 9547]
2323	[3929, 3930]	5092	[1074, 7104]	7861	[9486, 2042]	10630	[10927, 10720]
2324	[3931, 3932]	5093	[1684, 7105]	7862	[9487, 2920]	10631	[8984, 6079]
2325	[3933, 3934]	5094	[7106, 7107]	7863	[624, 9488]	10632	[6504, 9198]
2326	[3935, 1316]	5095	[1238, 125]	7864	[5167, 566]	10633	[556, 6363]
2327	[3936, 3937]	5096	[7101, 7056]	7865	[6146, 5248]	10634	[5543, 2746]
2328	[1564, 3938]	5097	[7108, 4206]	7866	[2392, 2339]	10635	[10928, 5707]
2329	[3939, 3940]	5098	[7109, 7032]	7867	[8845, 2435]	10636	[10849, 9950]
2330	[3941, 1764]	5099	[4437, 7110]	7868	[9489, 6446]	10637	[10929, 10930]
2331	[3942, 3943]	5100	[7111, 3404]	7869	[9490, 9394]	10638	[10931, 5700]
2332	[3944, 3727]	5101	[328, 7112]	7870	[9491, 9389]	10639	[10932, 2141]
2333	[3602, 3945]	5102	[7113, 4677]	7871	[9455, 9492]	10640	[6414, 9682]
2334	[1017, 3946]	5103	[7114, 4758]	7872	[9493, 6559]	10641	[6458, 5509]
2335	[3947, 3948]	5104	[7115, 1333]	7873	[9494, 9041]	10642	[2045, 939]
2336	[3949, 3950]	5105	[7116, 7117]	7874	[6309, 732]	10643	[6970, 2867]
2337	[1456, 1278]	5106	[7118, 3462]	7875	[2631, 2346]	10644	[10933, 9983]
2338	[3951, 3952]	5107	[7119, 7120]	7876	[9495, 6592]	10645	[10934, 180]
2339	[3953, 3954]	5108	[7121, 461]	7877	[9496, 6015]	10646	[5461, 10027]
2340	[3955, 3956]	5109	[3848, 7122]	7878	[9497, 2534]	10647	[1953, 5724]
2341	[3957, 3958]	5110	[7123, 7124]	7879	[1991, 9498]	10648	[2256, 9272]

2342	[3959, 3960]	5111	[3668, 3800]	7880	[604, 1927]	10649	[10935, 5729]
2343	[3274, 3961]	5112	[3159, 7125]	7881	[9499, 1968]	10650	[668, 6076]
2344	[3962, 91]	5113	[7126, 3947]	7882	[9500, 5859]	10651	[4976, 1918]
2345	[3554, 3963]	5114	[7127, 7128]	7883	[3069, 2849]	10652	[10936, 9035]
2346	[3964, 3965]	5115	[7129, 4484]	7884	[5269, 3113]	10653	[10937, 5658]
2347	[3842, 3966]	5116	[7130, 7131]	7885	[5932, 2882]	10654	[10938, 6944]
2348	[3967, 3968]	5117	[7132, 7133]	7886	[521, 9501]	10655	[10713, 10939]
2349	[3969, 3970]	5118	[7134, 363]	7887	[830, 9502]	10656	[10940, 2026]
2350	[3971, 3972]	5119	[4778, 7135]	7888	[8967, 2169]	10657	[10941, 5715]
2351	[3973, 3974]	5120	[7136, 7137]	7889	[9503, 9157]	10658	[2418, 9484]
2352	[3975, 3976]	5121	[7138, 1725]	7890	[9504, 5110]	10659	[2287, 2195]
2353	[3977, 3978]	5122	[7139, 7140]	7891	[9505, 9421]	10660	[6908, 806]
2354	[3979, 3980]	5123	[7141, 7142]	7892	[6635, 8846]	10661	[2835, 6427]
2355	[3981, 3782]	5124	[7143, 4670]	7893	[8852, 2608]	10662	[10912, 9892]
2356	[3982, 1166]	5125	[3312, 7144]	7894	[5497, 9467]	10663	[10942, 53]
2357	[3983, 1621]	5126	[7145, 981]	7895	[9506, 5044]	10664	[9374, 9088]
2358	[3984, 1472]	5127	[7146, 7147]	7896	[9507, 2520]	10665	[6378, 5347]
2359	[3985, 3986]	5128	[7148, 7149]	7897	[519, 8962]	10666	[10705, 217]
2360	[3987, 1256]	5129	[7150, 3410]	7898	[9114, 6429]	10667	[5934, 5066]
2361	[3988, 3989]	5130	[7151, 7152]	7899	[9496, 5316]	10668	[10943, 9543]
2362	[87, 498]	5131	[7153, 1321]	7900	[9393, 5618]	10669	[9360, 10924]
2363	[3990, 3991]	5132	[4564, 7154]	7901	[9508, 530]	10670	[2999, 5492]
2364	[1387, 337]	5133	[7155, 3777]	7902	[780, 6841]	10671	[9504, 10870]
2365	[3992, 3379]	5134	[7156, 7157]	7903	[9509, 9510]	10672	[6771, 9846]
2366	[3993, 3994]	5135	[3395, 972]	7904	[9033, 647]	10673	[10944, 2288]
2367	[3995, 1210]	5136	[7158, 7159]	7905	[9511, 221]	10674	[10945, 9708]
2368	[3502, 3996]	5137	[3826, 7160]	7906	[9512, 2559]	10675	[2787, 8903]
2369	[3179, 3317]	5138	[7161, 4561]	7907	[2716, 9228]	10676	[10946, 6115]
2370	[3997, 3998]	5139	[7162, 7163]	7908	[9513, 2316]	10677	[8871, 2948]
2371	[3999, 4000]	5140	[492, 987]	7909	[3028, 2934]	10678	[10947, 6195]
2372	[4001, 4002]	5141	[7164, 4394]	7910	[6784, 6119]	10679	[5512, 5636]
2373	[4003, 4004]	5142	[4313, 7165]	7911	[9514, 2080]	10680	[9838, 2237]
2374	[4005, 4006]	5143	[4500, 7125]	7912	[9515, 3012]	10681	[2283, 10844]
2375	[4007, 4008]	5144	[7166, 7167]	7913	[2988, 2441]	10682	[5649, 533]
2376	[4009, 4010]	5145	[4283, 7168]	7914	[5035, 9516]	10683	[2992, 2782]
2377	[3402, 4011]	5146	[7169, 3181]	7915	[9517, 9518]	10684	[5669, 10845]
2378	[18, 1321]	5147	[1410, 1265]	7916	[9519, 5483]	10685	[10948, 508]
2379	[4012, 4013]	5148	[3700, 7170]	7917	[5528, 6102]	10686	[6130, 2193]
2380	[4014, 4015]	5149	[374, 3429]	7918	[5685, 755]	10687	[5832, 5715]
2381	[4016, 3682]	5150	[7171, 3431]	7919	[5547, 9520]	10688	[6420, 8993]
2382	[4017, 3438]	5151	[7172, 3171]	7920	[6563, 6633]	10689	[9555, 9624]
2383	[4018, 4019]	5152	[7173, 3297]	7921	[9521, 2142]	10690	[10949, 6926]
2384	[4020, 4021]	5153	[7079, 4008]	7922	[9522, 5916]	10691	[182, 160]
2385	[4022, 3948]	5154	[4489, 7174]	7923	[9523, 1895]	10692	[9719, 9153]

2386	[4023, 4024]	5155	[7175, 1053]	7924	[2225, 9334]	10693	[10950, 5518]
2387	[4025, 4026]	5156	[7176, 4434]	7925	[5275, 6854]	10694	[9239, 6626]
2388	[4027, 3471]	5157	[1690, 7177]	7926	[6134, 9524]	10695	[6018, 2411]
2389	[3506, 4028]	5158	[7178, 4350]	7927	[9525, 2111]	10696	[9989, 6368]
2390	[4029, 3243]	5159	[298, 314]	7928	[9526, 9407]	10697	[10951, 6473]
2391	[4030, 4031]	5160	[7179, 3649]	7929	[9527, 5497]	10698	[10952, 5596]
2392	[4032, 3976]	5161	[7180, 3509]	7930	[6445, 2650]	10699	[48, 9720]
2393	[4033, 3167]	5162	[7181, 7182]	7931	[9528, 9529]	10700	[10413, 104]
2394	[4034, 1075]	5163	[7183, 7184]	7932	[9530, 4975]	10701	[10953, 10079]
2395	[3482, 1190]	5164	[3343, 7185]	7933	[5745, 2549]	10702	[10954, 4961]
2396	[4035, 4036]	5165	[4323, 1687]	7934	[5269, 202]	10703	[8512, 1111]
2397	[4037, 4038]	5166	[7186, 7187]	7935	[9531, 817]	10704	[7251, 8694]
2398	[4039, 4040]	5167	[7188, 114]	7936	[9002, 9532]	10705	[4414, 502]
2399	[4041, 3804]	5168	[7189, 7190]	7937	[9533, 2359]	10706	[10955, 7255]
2400	[4042, 3408]	5169	[3214, 7191]	7938	[5361, 2383]	10707	[6982, 7352]
2401	[4043, 4044]	5170	[390, 7192]	7939	[9534, 6243]	10708	[485, 3798]
2402	[94, 1779]	5171	[4934, 4380]	7940	[5476, 6445]	10709	[4223, 3686]
2403	[4045, 3698]	5172	[7193, 1514]	7941	[9535, 2371]	10710	[10161, 3261]
2404	[3391, 4046]	5173	[7131, 274]	7942	[9536, 2122]	10711	[8090, 1018]
2405	[4047, 4048]	5174	[7194, 4072]	7943	[5950, 2470]	10712	[7854, 4763]
2406	[4049, 272]	5175	[4388, 1361]	7944	[756, 9537]	10713	[10956, 384]
2407	[4050, 491]	5176	[3467, 1441]	7945	[6442, 2405]	10714	[4011, 10120]
2408	[4051, 493]	5177	[7195, 7196]	7946	[6642, 969]	10715	[10957, 4649]
2409	[4052, 4053]	5178	[7197, 7198]	7947	[9538, 756]	10716	[8586, 10370]
2410	[67, 3574]	5179	[7199, 7200]	7948	[9539, 9540]	10717	[4527, 8553]
2411	[4054, 4055]	5180	[7201, 1756]	7949	[6968, 9541]	10718	[3852, 7658]
2412	[371, 4056]	5181	[7202, 1363]	7950	[9542, 9543]	10719	[10958, 95]
2413	[4057, 4058]	5182	[7203, 7204]	7951	[8851, 8892]	10720	[8096, 4820]
2414	[3423, 997]	5183	[7205, 7206]	7952	[9544, 2026]	10721	[4469, 4719]
2415	[4059, 3838]	5184	[7207, 4348]	7953	[5764, 1864]	10722	[4788, 3761]
2416	[4060, 4061]	5185	[94, 7208]	7954	[9545, 8993]	10723	[7113, 10383]
2417	[1574, 4062]	5186	[4411, 7209]	7955	[650, 6497]	10724	[106, 3255]
2418	[4063, 4064]	5187	[3748, 7210]	7956	[2501, 1998]	10725	[10959, 4419]
2419	[4065, 3979]	5188	[4319, 4410]	7957	[9546, 9547]	10726	[8693, 4159]
2420	[4066, 4067]	5189	[7211, 7212]	7958	[5656, 9373]	10727	[3219, 4467]
2421	[4068, 1218]	5190	[7213, 82]	7959	[9401, 9548]	10728	[10960, 10577]
2422	[4069, 4070]	5191	[3763, 7214]	7960	[9549, 2039]	10729	[4244, 4865]
2423	[4071, 3305]	5192	[7215, 1696]	7961	[9550, 742]	10730	[3651, 7572]
2424	[490, 4072]	5193	[7192, 3765]	7962	[2559, 714]	10731	[3979, 8010]
2425	[4073, 4074]	5194	[7216, 3286]	7963	[878, 5139]	10732	[7409, 8350]
2426	[1175, 4075]	5195	[7217, 7218]	7964	[9551, 3031]	10733	[6996, 4818]
2427	[4076, 4077]	5196	[7219, 3562]	7965	[5181, 5263]	10734	[8265, 3907]
2428	[3869, 4078]	5197	[1265, 4095]	7966	[9552, 189]	10735	[10961, 8544]
2429	[4079, 4080]	5198	[3387, 7025]	7967	[9297, 6814]	10736	[10145, 1246]

2430	[4081, 4082]	5199	[7220, 7221]	7968	[2762, 2300]	10737	[10166, 10606]
2431	[4083, 4084]	5200	[3540, 1046]	7969	[9553, 3098]	10738	[4941, 8216]
2432	[3840, 3722]	5201	[7222, 7223]	7970	[9554, 5524]	10739	[4945, 10358]
2433	[4085, 1751]	5202	[7224, 1135]	7971	[9555, 9556]	10740	[1533, 8222]
2434	[4086, 4087]	5203	[1518, 288]	7972	[6959, 2858]	10741	[3664, 10529]
2435	[4088, 1355]	5204	[3228, 7225]	7973	[9557, 5382]	10742	[8554, 10664]
2436	[4089, 4090]	5205	[1445, 3625]	7974	[9558, 9559]	10743	[10962, 8140]
2437	[4091, 4092]	5206	[7226, 1014]	7975	[9560, 2542]	10744	[992, 7685]
2438	[4093, 1491]	5207	[1647, 3451]	7976	[3128, 2630]	10745	[10963, 3327]
2439	[4094, 280]	5208	[7227, 3965]	7977	[8879, 9561]	10746	[8396, 4434]
2440	[4095, 1360]	5209	[490, 7228]	7978	[8993, 6165]	10747	[10695, 10520]
2441	[4096, 4097]	5210	[7229, 4535]	7979	[5815, 5444]	10748	[7470, 10964]
2442	[4098, 4099]	5211	[3937, 7230]	7980	[2776, 5000]	10749	[3752, 3315]
2443	[4100, 1758]	5212	[7231, 7232]	7981	[9562, 2976]	10750	[7041, 10212]
2444	[4101, 3917]	5213	[7233, 7234]	7982	[9296, 6200]	10751	[1680, 7472]
2445	[4102, 4103]	5214	[7235, 7236]	7983	[3051, 6123]	10752	[10965, 8069]
2446	[4104, 4105]	5215	[7237, 4066]	7984	[9189, 9342]	10753	[10966, 4685]
2447	[4106, 4040]	5216	[7238, 7239]	7985	[2756, 9563]	10754	[7062, 10420]
2448	[405, 4107]	5217	[7240, 7241]	7986	[9564, 6146]	10755	[10967, 8497]
2449	[4108, 4109]	5218	[7242, 4848]	7987	[9565, 5607]	10756	[10669, 8630]
2450	[4110, 4111]	5219	[7243, 7244]	7988	[9566, 2594]	10757	[3897, 1376]
2451	[4112, 3526]	5220	[7245, 7246]	7989	[9567, 3121]	10758	[8778, 1700]
2452	[4113, 4114]	5221	[7247, 7248]	7990	[9568, 2477]	10759	[3909, 4344]
2453	[4115, 3970]	5222	[7249, 99]	7991	[5788, 9569]	10760	[407, 8701]
2454	[4116, 4117]	5223	[7169, 3342]	7992	[9022, 2292]	10761	[10968, 7245]
2455	[4118, 4119]	5224	[7250, 1479]	7993	[9570, 9571]	10762	[3201, 7671]
2456	[4018, 4120]	5225	[7251, 1531]	7994	[2030, 2564]	10763	[7635, 7985]
2457	[4121, 3639]	5226	[7252, 3265]	7995	[9572, 6041]	10764	[10969, 68]
2458	[4122, 426]	5227	[1226, 7253]	7996	[184, 5567]	10765	[1726, 75]
2459	[1460, 4123]	5228	[7254, 7255]	7997	[9573, 6915]	10766	[10970, 10624]
2460	[4124, 4125]	5229	[1779, 7256]	7998	[9574, 2208]	10767	[8747, 8353]
2461	[4126, 3368]	5230	[7257, 7258]	7999	[9575, 2319]	10768	[1576, 7616]
2462	[4127, 4128]	5231	[7259, 3944]	8000	[9576, 6260]	10769	[10971, 1148]
2463	[4129, 4130]	5232	[412, 7260]	8001	[9577, 2068]	10770	[10972, 10973]
2464	[4131, 4132]	5233	[7261, 7262]	8002	[9578, 2329]	10771	[10974, 4771]
2465	[4133, 3952]	5234	[7263, 7264]	8003	[9579, 2956]	10772	[8694, 4404]
2466	[4134, 1568]	5235	[4698, 7265]	8004	[41, 631]	10773	[10975, 10455]
2467	[4135, 3400]	5236	[1326, 1729]	8005	[6429, 2573]	10774	[10976, 485]
2468	[4136, 4137]	5237	[1276, 4856]	8006	[5865, 5182]	10775	[8022, 3966]
2469	[4138, 3575]	5238	[7266, 7267]	8007	[9580, 5532]	10776	[10977, 7781]
2470	[4139, 4140]	5239	[7268, 4549]	8008	[1982, 2757]	10777	[10978, 20]
2471	[68, 3193]	5240	[3748, 7269]	8009	[9581, 2235]	10778	[10979, 10601]
2472	[4141, 1550]	5241	[7270, 7271]	8010	[8995, 8892]	10779	[96, 4802]
2473	[1148, 4142]	5242	[7272, 4124]	8011	[825, 2116]	10780	[10980, 7582]

2474	[4143, 4144]	5243	[7273, 304]	8012	[9471, 6268]	10781	[10972, 10099]
2475	[4145, 4146]	5244	[7274, 331]	8013	[9582, 1837]	10782	[10981, 8645]
2476	[4147, 3790]	5245	[7275, 7276]	8014	[9583, 5862]	10783	[10982, 3774]
2477	[4148, 1047]	5246	[4838, 7277]	8015	[224, 636]	10784	[4066, 1229]
2478	[4149, 3629]	5247	[7278, 7279]	8016	[9458, 5585]	10785	[4213, 6983]
2479	[3424, 4150]	5248	[7280, 1574]	8017	[9036, 2338]	10786	[8491, 10570]
2480	[4151, 1584]	5249	[7281, 1196]	8018	[5989, 8919]	10787	[8355, 4256]
2481	[4152, 4153]	5250	[7282, 4571]	8019	[8919, 2620]	10788	[3161, 4355]
2482	[4154, 4155]	5251	[108, 7283]	8020	[5162, 5113]	10789	[7715, 4785]
2483	[4156, 443]	5252	[7284, 7285]	8021	[9584, 2511]	10790	[10475, 3883]
2484	[4157, 4158]	5253	[7286, 4864]	8022	[9585, 5696]	10791	[10983, 3919]
2485	[3641, 4159]	5254	[7174, 1708]	8023	[8971, 9323]	10792	[10984, 3537]
2486	[4160, 1019]	5255	[7287, 7288]	8024	[9586, 9587]	10793	[10201, 3588]
2487	[4161, 4162]	5256	[7289, 7290]	8025	[9099, 9309]	10794	[10985, 7653]
2488	[4163, 4164]	5257	[7291, 293]	8026	[5911, 5146]	10795	[8405, 1678]
2489	[4165, 4166]	5258	[441, 4154]	8027	[9588, 5843]	10796	[10986, 4462]
2490	[4167, 1388]	5259	[1042, 3190]	8028	[9589, 9590]	10797	[4841, 10434]
2491	[1162, 4168]	5260	[7292, 7293]	8029	[603, 8809]	10798	[1333, 7358]
2492	[4169, 3249]	5261	[7294, 7295]	8030	[9591, 3007]	10799	[3646, 10582]
2493	[4170, 1634]	5262	[7296, 3684]	8031	[2349, 9279]	10800	[7363, 1103]
2494	[1528, 3354]	5263	[7297, 4108]	8032	[9592, 9593]	10801	[4607, 8701]
2495	[4171, 70]	5264	[7298, 409]	8033	[9594, 10]	10802	[1695, 77]
2496	[4172, 4173]	5265	[3568, 7299]	8034	[245, 2238]	10803	[8426, 3505]
2497	[4174, 4175]	5266	[7300, 7301]	8035	[9595, 9596]	10804	[7151, 7848]
2498	[4176, 4177]	5267	[1404, 4821]	8036	[9597, 2452]	10805	[10665, 8560]
2499	[4178, 4179]	5268	[7302, 402]	8037	[9598, 5760]	10806	[8115, 7693]
2500	[4180, 1267]	5269	[7303, 1746]	8038	[5241, 5742]	10807	[10230, 10271]
2501	[4181, 4182]	5270	[3319, 7304]	8039	[9554, 5958]	10808	[1479, 10553]
2502	[4183, 4184]	5271	[4783, 7305]	8040	[6128, 2513]	10809	[1247, 7909]
2503	[4185, 3276]	5272	[1653, 7306]	8041	[9599, 5698]	10810	[10356, 7785]
2504	[4186, 4187]	5273	[7307, 1283]	8042	[5872, 3060]	10811	[10987, 1344]
2505	[1506, 4188]	5274	[4695, 7094]	8043	[9600, 2110]	10812	[10969, 3574]
2506	[4189, 4190]	5275	[7308, 4744]	8044	[2480, 3110]	10813	[1608, 10673]
2507	[4191, 4192]	5276	[7309, 7310]	8045	[9601, 2310]	10814	[3876, 4756]
2508	[4055, 4193]	5277	[4006, 1111]	8046	[9602, 2651]	10815	[8224, 3921]
2509	[1411, 1213]	5278	[7311, 4807]	8047	[729, 2382]	10816	[10637, 4929]
2510	[4194, 4195]	5279	[7312, 7313]	8048	[9603, 5275]	10817	[1129, 7117]
2511	[4196, 3668]	5280	[7314, 7315]	8049	[2627, 746]	10818	[8188, 8260]
2512	[4197, 1583]	5281	[7316, 3833]	8050	[5659, 5762]	10819	[8220, 3270]
2513	[1756, 4198]	5282	[7317, 4199]	8051	[5065, 6438]	10820	[10334, 3224]
2514	[4199, 3147]	5283	[7318, 4649]	8052	[34, 217]	10821	[10988, 1413]
2515	[339, 3149]	5284	[7319, 94]	8053	[9334, 237]	10822	[4748, 4573]
2516	[4200, 4201]	5285	[7320, 3842]	8054	[2861, 5220]	10823	[10989, 3444]
2517	[4202, 4203]	5286	[7321, 7322]	8055	[9604, 6883]	10824	[10990, 8730]

2518	[4204, 1779]	5287	[7323, 454]	8056	[9605, 5210]	10825	[10991, 3844]
2519	[4205, 4206]	5288	[7324, 7325]	8057	[9606, 2119]	10826	[8670, 7826]
2520	[4207, 3334]	5289	[7326, 7327]	8058	[9607, 2534]	10827	[5, 3610]
2521	[1617, 4208]	5290	[7328, 3626]	8059	[1864, 5011]	10828	[10992, 10993]
2522	[4209, 4210]	5291	[6985, 428]	8060	[9608, 5059]	10829	[10041, 7373]
2523	[4211, 4212]	5292	[7329, 7330]	8061	[2663, 5911]	10830	[8701, 10994]
2524	[4213, 4214]	5293	[7331, 4524]	8062	[2423, 9492]	10831	[10995, 7128]
2525	[4215, 4216]	5294	[7332, 4710]	8063	[9609, 9610]	10832	[10168, 4320]
2526	[4217, 4056]	5295	[7333, 310]	8064	[9611, 734]	10833	[7058, 3315]
2527	[4218, 4219]	5296	[7334, 7335]	8065	[2573, 9612]	10834	[3824, 7758]
2528	[4107, 4220]	5297	[4325, 7336]	8066	[2351, 2989]	10835	[3156, 8339]
2529	[4221, 1243]	5298	[7337, 306]	8067	[9613, 869]	10836	[1207, 7173]
2530	[4222, 4223]	5299	[7338, 1006]	8068	[58, 9614]	10837	[3215, 1608]
2531	[4224, 1457]	5300	[7339, 3883]	8069	[9540, 190]	10838	[8756, 10648]
2532	[4225, 3428]	5301	[4643, 7340]	8070	[9106, 5969]	10839	[10996, 3729]
2533	[3327, 4226]	5302	[3164, 4421]	8071	[5888, 9615]	10840	[7601, 4168]
2534	[4227, 80]	5303	[1069, 1593]	8072	[9616, 6181]	10841	[10504, 7276]
2535	[4228, 3979]	5304	[7341, 1373]	8073	[2469, 6308]	10842	[77, 8718]
2536	[4229, 4230]	5305	[7342, 7343]	8074	[5924, 6166]	10843	[7477, 8185]
2537	[4231, 4232]	5306	[403, 7344]	8075	[5785, 1864]	10844	[10642, 8474]
2538	[1570, 1452]	5307	[4013, 7345]	8076	[9339, 5819]	10845	[10100, 8067]
2539	[4233, 493]	5308	[7346, 282]	8077	[2187, 5526]	10846	[10997, 4336]
2540	[4234, 4235]	5309	[7347, 1275]	8078	[9617, 9618]	10847	[10262, 7573]
2541	[4236, 4237]	5310	[7348, 7349]	8079	[9336, 9103]	10848	[10130, 8056]
2542	[4238, 327]	5311	[7350, 313]	8080	[2832, 689]	10849	[10507, 3700]
2543	[4239, 4240]	5312	[7351, 4384]	8081	[6276, 9171]	10850	[10998, 8175]
2544	[4232, 1161]	5313	[7352, 123]	8082	[9619, 9620]	10851	[10999, 1118]
2545	[4241, 3374]	5314	[4774, 7353]	8083	[9621, 1858]	10852	[10230, 4866]
2546	[4081, 4242]	5315	[4297, 1221]	8084	[9622, 960]	10853	[11000, 10993]
2547	[4243, 4244]	5316	[3672, 420]	8085	[9623, 9624]	10854	[11001, 8444]
2548	[4245, 3499]	5317	[7354, 3722]	8086	[6577, 9625]	10855	[3684, 4961]
2549	[4246, 4247]	5318	[4890, 7355]	8087	[6132, 9024]	10856	[7194, 7228]
2550	[1118, 1131]	5319	[7042, 3641]	8088	[5942, 2508]	10857	[11002, 3223]
2551	[1537, 1195]	5320	[7356, 4281]	8089	[9626, 6160]	10858	[7947, 11003]
2552	[4248, 4249]	5321	[7357, 7358]	8090	[9627, 1885]	10859	[3981, 1437]
2553	[4250, 374]	5322	[7359, 7360]	8091	[9628, 5080]	10860	[3275, 10994]
2554	[4251, 4252]	5323	[7361, 7311]	8092	[9629, 1861]	10861	[996, 3424]
2555	[1400, 1070]	5324	[3296, 7362]	8093	[9630, 2676]	10862	[11004, 4505]
2556	[4253, 4254]	5325	[7363, 7364]	8094	[9631, 5597]	10863	[1511, 10559]
2557	[4255, 4256]	5326	[7365, 7349]	8095	[6733, 6006]	10864	[4661, 10260]
2558	[4257, 315]	5327	[385, 7366]	8096	[9632, 884]	10865	[7132, 8317]
2559	[4258, 3748]	5328	[979, 1647]	8097	[601, 936]	10866	[11005, 121]
2560	[4259, 99]	5329	[7367, 7368]	8098	[2419, 9633]	10867	[1199, 4929]
2561	[4260, 4261]	5330	[1038, 7311]	8099	[9202, 2948]	10868	[4824, 7924]

2562	[4262, 100]	5331	[7369, 3229]	8100	[9634, 657]	10869	[8662, 3486]
2563	[4263, 3750]	5332	[7370, 4603]	8101	[9635, 6561]	10870	[8660, 3651]
2564	[4264, 3771]	5333	[3955, 1206]	8102	[9079, 6925]	10871	[3196, 4530]
2565	[4265, 4266]	5334	[7371, 1331]	8103	[1931, 5668]	10872	[11006, 7533]
2566	[3251, 4267]	5335	[7372, 1010]	8104	[5946, 9501]	10873	[10638, 3694]
2567	[4268, 4269]	5336	[7373, 7194]	8105	[9636, 8824]	10874	[3582, 4519]
2568	[433, 3685]	5337	[7374, 7375]	8106	[6739, 5413]	10875	[1188, 10572]
2569	[4270, 4271]	5338	[7376, 4191]	8107	[6969, 5727]	10876	[4811, 4202]
2570	[1373, 3981]	5339	[7377, 4055]	8108	[9637, 9209]	10877	[8060, 7835]
2571	[352, 4272]	5340	[4311, 7378]	8109	[9638, 9639]	10878	[10663, 1714]
2572	[3724, 4273]	5341	[7379, 7380]	8110	[9640, 9118]	10879	[8771, 10354]
2573	[3870, 4274]	5342	[7381, 7382]	8111	[9641, 1982]	10880	[435, 3392]
2574	[4275, 1005]	5343	[7383, 4134]	8112	[6429, 5458]	10881	[7170, 10373]
2575	[4276, 4277]	5344	[1467, 4950]	8113	[9412, 9642]	10882	[10141, 427]
2576	[3174, 1505]	5345	[1643, 7384]	8114	[9643, 6434]	10883	[11007, 7283]
2577	[4278, 4279]	5346	[7385, 3903]	8115	[9644, 5665]	10884	[10967, 4485]
2578	[4280, 4281]	5347	[4746, 4107]	8116	[9645, 3093]	10885	[8495, 1352]
2579	[4282, 4283]	5348	[4686, 3564]	8117	[6836, 5180]	10886	[4487, 10565]
2580	[1113, 3384]	5349	[7386, 4922]	8118	[882, 9646]	10887	[4053, 8007]
2581	[4284, 4285]	5350	[7387, 4397]	8119	[5310, 2162]	10888	[11008, 8720]
2582	[4286, 4287]	5351	[1215, 3655]	8120	[9647, 595]	10889	[1625, 3938]
2583	[4288, 1163]	5352	[7388, 3437]	8121	[2473, 5079]	10890	[11009, 4721]
2584	[4289, 4290]	5353	[1792, 7389]	8122	[718, 2275]	10891	[11010, 1074]
2585	[1764, 4291]	5354	[7390, 7391]	8123	[9648, 6563]	10892	[3710, 1077]
2586	[3336, 3802]	5355	[7392, 4772]	8124	[1980, 2493]	10893	[10276, 11011]
2587	[4292, 4293]	5356	[1013, 7393]	8125	[5495, 8827]	10894	[10678, 10156]
2588	[4294, 4295]	5357	[7394, 1563]	8126	[9649, 9650]	10895	[4501, 8123]
2589	[4296, 4268]	5358	[1424, 7395]	8127	[9335, 2798]	10896	[4012, 3478]
2590	[1244, 4297]	5359	[7396, 7397]	8128	[9651, 3034]	10897	[1721, 1214]
2591	[1407, 4298]	5360	[7398, 4609]	8129	[9652, 9028]	10898	[478, 7613]
2592	[4162, 4299]	5361	[1379, 3996]	8130	[9012, 9653]	10899	[7631, 11011]
2593	[4300, 3164]	5362	[7399, 1426]	8131	[9654, 9655]	10900	[4044, 10588]
2594	[4301, 4302]	5363	[7400, 1603]	8132	[234, 6753]	10901	[489, 7194]
2595	[4303, 4304]	5364	[7401, 7282]	8133	[2935, 5232]	10902	[4048, 1105]
2596	[4305, 268]	5365	[7402, 7403]	8134	[2212, 9462]	10903	[4874, 10443]
2597	[4306, 4307]	5366	[7404, 7405]	8135	[9106, 775]	10904	[7467, 101]
2598	[1599, 4308]	5367	[7406, 4222]	8136	[3068, 6428]	10905	[10292, 10567]
2599	[1601, 4309]	5368	[7407, 4146]	8137	[2816, 5588]	10906	[10578, 1648]
2600	[4310, 1314]	5369	[7408, 1094]	8138	[5285, 9656]	10907	[7148, 8341]
2601	[4311, 4312]	5370	[7409, 7410]	8139	[5831, 6582]	10908	[11012, 7683]
2602	[4313, 4037]	5371	[7411, 7412]	8140	[8870, 9202]	10909	[8351, 1357]
2603	[4314, 4315]	5372	[4515, 7413]	8141	[6672, 9537]	10910	[4003, 4024]
2604	[4316, 1775]	5373	[7414, 7415]	8142	[9102, 2331]	10911	[11013, 3422]
2605	[4317, 125]	5374	[7416, 6992]	8143	[9657, 5724]	10912	[3220, 11014]

2606	[981, 3206]	5375	[7417, 1520]	8144	[9658, 9015]	10913	[11015, 4305]
2607	[4318, 4319]	5376	[3138, 7418]	8145	[9606, 6307]	10914	[10281, 1007]
2608	[4320, 4321]	5377	[7419, 7420]	8146	[5285, 5185]	10915	[4452, 7505]
2609	[4219, 1684]	5378	[3559, 342]	8147	[9659, 2199]	10916	[1581, 7226]
2610	[4322, 4202]	5379	[7421, 7422]	8148	[8813, 6900]	10917	[11016, 10202]
2611	[4323, 3688]	5380	[7068, 3869]	8149	[3075, 5318]	10918	[8557, 8781]
2612	[4324, 4325]	5381	[7423, 7424]	8150	[9660, 8843]	10919	[500, 8100]
2613	[1192, 4326]	5382	[1687, 7425]	8151	[896, 6235]	10920	[4688, 7483]
2614	[4327, 4328]	5383	[7426, 3416]	8152	[9661, 529]	10921	[11017, 8613]
2615	[4329, 4330]	5384	[7184, 7181]	8153	[9662, 6648]	10922	[1614, 6995]
2616	[4331, 4254]	5385	[7427, 7428]	8154	[9663, 9284]	10923	[8289, 4490]
2617	[4332, 4333]	5386	[4564, 1143]	8155	[3044, 1941]	10924	[8308, 3837]
2618	[3715, 991]	5387	[7429, 7430]	8156	[5891, 5266]	10925	[4385, 7601]
2619	[4334, 1017]	5388	[7431, 7432]	8157	[5180, 6962]	10926	[21, 3903]
2620	[4335, 3949]	5389	[7433, 4785]	8158	[1976, 8831]	10927	[8024, 1288]
2621	[4336, 1457]	5390	[4105, 3507]	8159	[9664, 135]	10928	[4929, 348]
2622	[4337, 4285]	5391	[7434, 3742]	8160	[9665, 2207]	10929	[258, 4767]
2623	[1141, 4338]	5392	[3260, 7435]	8161	[9666, 9508]	10930	[1645, 4503]
2624	[3854, 4118]	5393	[7436, 477]	8162	[9667, 6638]	10931	[8523, 3417]
2625	[4339, 4340]	5394	[3606, 7437]	8163	[918, 9668]	10932	[11018, 3299]
2626	[4341, 3743]	5395	[7347, 3703]	8164	[9669, 5301]	10933	[10990, 1685]
2627	[4342, 1414]	5396	[7438, 1750]	8165	[3126, 9329]	10934	[348, 7723]
2628	[3355, 4343]	5397	[7439, 7424]	8166	[6534, 9670]	10935	[11019, 1650]
2629	[4344, 1318]	5398	[7440, 3470]	8167	[9671, 2741]	10936	[10473, 1627]
2630	[4345, 4346]	5399	[7441, 4887]	8168	[9672, 6222]	10937	[11020, 8642]
2631	[4347, 4348]	5400	[7442, 7443]	8169	[2386, 2700]	10938	[11021, 4532]
2632	[4349, 4350]	5401	[1252, 7444]	8170	[9673, 9674]	10939	[11005, 4844]
2633	[4351, 4352]	5402	[7359, 7445]	8171	[9393, 9675]	10940	[3189, 10187]
2634	[4353, 4354]	5403	[7446, 7447]	8172	[9676, 2268]	10941	[1233, 7771]
2635	[4355, 4356]	5404	[7448, 7449]	8173	[9677, 964]	10942	[10185, 10397]
2636	[4357, 3458]	5405	[4214, 6984]	8174	[2891, 548]	10943	[316, 1700]
2637	[4358, 3954]	5406	[7450, 1709]	8175	[9678, 9679]	10944	[3266, 10688]
2638	[4359, 4228]	5407	[7451, 7452]	8176	[6347, 9633]	10945	[4368, 4907]
2639	[3300, 4360]	5408	[7453, 96]	8177	[9680, 9681]	10946	[4365, 3417]
2640	[4361, 3531]	5409	[7454, 7455]	8178	[6767, 2354]	10947	[4467, 11014]
2641	[4362, 4363]	5410	[7456, 7457]	8179	[9682, 9683]	10948	[10252, 10237]
2642	[4364, 4182]	5411	[7458, 7459]	8180	[9684, 2183]	10949	[11022, 8408]
2643	[4365, 4366]	5412	[3758, 1183]	8181	[9685, 2243]	10950	[11023, 4765]
2644	[4367, 4368]	5413	[7460, 4951]	8182	[9589, 9686]	10951	[11024, 10616]
2645	[4369, 4370]	5414	[7461, 4378]	8183	[9640, 9687]	10952	[11025, 10964]
2646	[4371, 4372]	5415	[7462, 7463]	8184	[9488, 1934]	10953	[1902, 8941]
2647	[4373, 4374]	5416	[7464, 3865]	8185	[6539, 1877]	10954	[11026, 6889]
2648	[4375, 3934]	5417	[7465, 7466]	8186	[2957, 1910]	10955	[11027, 10852]
2649	[4376, 3358]	5418	[7467, 4132]	8187	[9688, 5616]	10956	[2076, 6413]

2650	[4377, 4378]	5419	[4217, 7468]	8188	[9689, 1876]	10957	[6172, 9908]
2651	[4379, 1042]	5420	[7469, 3672]	8189	[9690, 5722]	10958	[11028, 9094]
2652	[3677, 4380]	5421	[3405, 4731]	8190	[5377, 9134]	10959	[2489, 10025]
2653	[1644, 3161]	5422	[7470, 7471]	8191	[9691, 9692]	10960	[11029, 6337]
2654	[4381, 1550]	5423	[7472, 7442]	8192	[9693, 9694]	10961	[11030, 9477]
2655	[4382, 4383]	5424	[7473, 3731]	8193	[2267, 6197]	10962	[11031, 5054]
2656	[4230, 4384]	5425	[7474, 1424]	8194	[9695, 6503]	10963	[8824, 5231]
2657	[4232, 4385]	5426	[7475, 3974]	8195	[9696, 6796]	10964	[6518, 6466]
2658	[4157, 3593]	5427	[4583, 7476]	8196	[673, 5587]	10965	[9015, 555]
2659	[4386, 1381]	5428	[7477, 4876]	8197	[9697, 9453]	10966	[11032, 10820]
2660	[4099, 4387]	5429	[7478, 7479]	8198	[9660, 6459]	10967	[11033, 11034]
2661	[4388, 4389]	5430	[7480, 1547]	8199	[9698, 9368]	10968	[6508, 1949]
2662	[4390, 3257]	5431	[7481, 3313]	8200	[9699, 5648]	10969	[11035, 11036]
2663	[4391, 1065]	5432	[7482, 4952]	8201	[5845, 9700]	10970	[9713, 10859]
2664	[4392, 4393]	5433	[3977, 7483]	8202	[5489, 9615]	10971	[10787, 9338]
2665	[4394, 4395]	5434	[7484, 1436]	8203	[9701, 888]	10972	[11037, 44]
2666	[4396, 4397]	5435	[7485, 1180]	8204	[9702, 5204]	10973	[9628, 2210]
2667	[3214, 4398]	5436	[7486, 7431]	8205	[9703, 9704]	10974	[11038, 2641]
2668	[4399, 3796]	5437	[7027, 7487]	8206	[5339, 2507]	10975	[2645, 6144]
2669	[4400, 4201]	5438	[7488, 4249]	8207	[930, 5590]	10976	[11039, 9861]
2670	[4401, 4402]	5439	[7489, 7490]	8208	[2596, 2325]	10977	[9998, 9642]
2671	[4403, 1542]	5440	[1001, 7491]	8209	[9705, 5548]	10978	[6776, 6086]
2672	[4404, 4405]	5441	[7492, 3604]	8210	[5648, 2616]	10979	[10860, 6600]
2673	[3169, 1071]	5442	[7493, 7494]	8211	[9706, 6914]	10980	[10946, 9922]
2674	[1327, 4406]	5443	[7495, 7496]	8212	[9707, 9708]	10981	[536, 9397]
2675	[4407, 4408]	5444	[7497, 3202]	8213	[9709, 8923]	10982	[2134, 6697]
2676	[4409, 4153]	5445	[7498, 7120]	8214	[2348, 198]	10983	[9764, 6508]
2677	[4410, 3147]	5446	[1580, 7453]	8215	[2179, 2881]	10984	[11040, 5253]
2678	[4411, 4412]	5447	[1782, 7499]	8216	[577, 2210]	10985	[1826, 6175]
2679	[4413, 4414]	5448	[7500, 7501]	8217	[9710, 2036]	10986	[10749, 10884]
2680	[4415, 1149]	5449	[3245, 7502]	8218	[6267, 9711]	10987	[11041, 2443]
2681	[4416, 4417]	5450	[7503, 7121]	8219	[5363, 9498]	10988	[11042, 5828]
2682	[4418, 4419]	5451	[7504, 1720]	8220	[9712, 6634]	10989	[11043, 5735]
2683	[4420, 1560]	5452	[7505, 7506]	8221	[9255, 6225]	10990	[5824, 9849]
2684	[3524, 4421]	5453	[4870, 392]	8222	[9713, 9259]	10991	[11044, 6723]
2685	[4422, 4423]	5454	[1585, 7507]	8223	[6652, 1994]	10992	[9271, 9100]
2686	[4424, 4007]	5455	[4393, 7508]	8224	[206, 6424]	10993	[10802, 2947]
2687	[4425, 500]	5456	[7509, 1036]	8225	[9251, 2587]	10994	[9125, 6909]
2688	[4308, 4426]	5457	[6974, 1325]	8226	[9714, 2975]	10995	[11045, 6298]
2689	[4427, 323]	5458	[7510, 7107]	8227	[172, 528]	10996	[581, 2726]
2690	[4428, 1479]	5459	[1727, 4822]	8228	[9715, 9681]	10997	[11046, 671]
2691	[1647, 4429]	5460	[3580, 7511]	8229	[8863, 6446]	10998	[10731, 699]
2692	[4430, 389]	5461	[7512, 93]	8230	[2613, 9716]	10999	[846, 6901]
2693	[3199, 4431]	5462	[7513, 7514]	8231	[9717, 9718]	11000	[9731, 2988]

2694	[4432, 4433]	5463	[7515, 4248]	8232	[9719, 9720]	11001	[9174, 10939]
2695	[4434, 4435]	5464	[7516, 7517]	8233	[9721, 5176]	11002	[559, 5091]
2696	[4436, 4437]	5465	[4160, 7518]	8234	[9722, 632]	11003	[3110, 6842]
2697	[4438, 3902]	5466	[4010, 7519]	8235	[5815, 6783]	11004	[2924, 5538]
2698	[4439, 3599]	5467	[7520, 7521]	8236	[9723, 3093]	11005	[6342, 245]
2699	[3407, 4440]	5468	[4417, 3915]	8237	[2641, 9724]	11006	[2781, 9502]
2700	[4441, 1622]	5469	[7522, 7523]	8238	[9725, 6693]	11007	[11047, 821]
2701	[4024, 4442]	5470	[3376, 7524]	8239	[2366, 9401]	11008	[11048, 1801]
2702	[4443, 4444]	5471	[4019, 7088]	8240	[6234, 897]	11009	[11049, 873]
2703	[4445, 4446]	5472	[4338, 7126]	8241	[9726, 2076]	11010	[11050, 9286]
2704	[4447, 1082]	5473	[7525, 7526]	8242	[889, 9569]	11011	[6056, 9997]
2705	[4395, 4448]	5474	[7527, 7528]	8243	[2473, 6020]	11012	[9116, 10769]
2706	[4449, 15]	5475	[3757, 7529]	8244	[9326, 9271]	11013	[9821, 5037]
2707	[4450, 1601]	5476	[7530, 7531]	8245	[9727, 2730]	11014	[9558, 9124]
2708	[4451, 3798]	5477	[7532, 7533]	8246	[9728, 2499]	11015	[5597, 9191]
2709	[380, 1516]	5478	[3447, 7534]	8247	[6157, 9149]	11016	[11051, 730]
2710	[4452, 4453]	5479	[4249, 7535]	8248	[2690, 9646]	11017	[11052, 10018]
2711	[4454, 1431]	5480	[7536, 3602]	8249	[9729, 9730]	11018	[11053, 11034]
2712	[4455, 4456]	5481	[7173, 7537]	8250	[9731, 2351]	11019	[10941, 5833]
2713	[4457, 4458]	5482	[7538, 7539]	8251	[9732, 8886]	11020	[11054, 2880]
2714	[3208, 4459]	5483	[7540, 1257]	8252	[2490, 5374]	11021	[11055, 6546]
2715	[4460, 4461]	5484	[7541, 84]	8253	[6538, 2821]	11022	[9803, 2179]
2716	[4462, 3380]	5485	[7542, 7543]	8254	[9733, 5950]	11023	[11056, 6441]
2717	[4463, 4464]	5486	[7544, 3777]	8255	[6819, 5913]	11024	[6923, 10756]
2718	[4465, 4466]	5487	[980, 3205]	8256	[1910, 5270]	11025	[10944, 5095]
2719	[401, 4467]	5488	[432, 4222]	8257	[9734, 6046]	11026	[4136, 7282]
2720	[1400, 3169]	5489	[7545, 4589]	8258	[9735, 6316]	11027	[1550, 7803]
2721	[3283, 4468]	5490	[4112, 7546]	8259	[9424, 9428]	11028	[1611, 381]
2722	[4469, 4362]	5491	[1393, 4518]	8260	[2018, 6548]	11029	[7955, 10676]
2723	[3711, 1733]	5492	[7547, 1778]	8261	[9736, 5675]	11030	[6977, 7912]
2724	[4470, 4471]	5493	[7548, 983]	8262	[2335, 2815]	11031	[1759, 10617]
2725	[4472, 4473]	5494	[4283, 7549]	8263	[5235, 9737]	11032	[7959, 8485]
2726	[4474, 3145]	5495	[7550, 4620]	8264	[9738, 2625]	11033	[450, 10657]
2727	[4475, 3598]	5496	[7551, 1734]	8265	[5968, 5646]	11034	[10569, 1068]
2728	[4476, 4477]	5497	[7552, 1593]	8266	[884, 2864]	11035	[10332, 489]
2729	[4478, 4479]	5498	[7284, 7553]	8267	[9739, 2918]	11036	[10282, 3741]
2730	[3285, 4480]	5499	[7554, 1051]	8268	[9174, 9740]	11037	[11057, 10687]
2731	[3178, 4481]	5500	[3771, 7555]	8269	[9741, 6419]	11038	[1704, 7905]
2732	[1627, 3142]	5501	[7556, 7557]	8270	[9602, 6775]	11039	[11058, 7086]
2733	[4482, 4483]	5502	[7558, 4676]	8271	[6113, 9020]	11040	[10452, 330]
2734	[4484, 1021]	5503	[7559, 3457]	8272	[9742, 5079]	11041	[7607, 4101]
2735	[3986, 4485]	5504	[7560, 3912]	8273	[9743, 181]	11042	[11059, 1213]
2736	[4486, 3638]	5505	[7561, 3664]	8274	[9744, 5937]	11043	[7047, 7196]
2737	[4487, 3552]	5506	[7562, 3846]	8275	[2878, 2038]	11044	[11060, 1293]

2738	[4488, 4489]	5507	[4898, 4279]	8276	[5238, 5555]	11045	[4107, 10532]
2739	[3890, 4490]	5508	[305, 7563]	8277	[9087, 6131]	11046	[11061, 4880]
2740	[4491, 1586]	5509	[7564, 3667]	8278	[9745, 6659]	11047	[10293, 7389]
2741	[4492, 1548]	5510	[7565, 1323]	8279	[5927, 9746]	11048	[7223, 10684]
2742	[4493, 4494]	5511	[7566, 1037]	8280	[2195, 3071]	11049	[4835, 1741]
2743	[1738, 301]	5512	[7567, 3551]	8281	[6436, 3046]	11050	[7229, 1599]
2744	[4495, 391]	5513	[7568, 3254]	8282	[9069, 6369]	11051	[11062, 8191]
2745	[4496, 4226]	5514	[7569, 7141]	8283	[2154, 6132]	11052	[1054, 8145]
2746	[4497, 1329]	5515	[1744, 73]	8284	[5619, 905]	11053	[11063, 3645]
2747	[3853, 1759]	5516	[3590, 7570]	8285	[9553, 5934]	11054	[11064, 4876]
2748	[4498, 437]	5517	[7571, 3584]	8286	[5080, 2211]	11055	[4562, 1416]
2749	[4499, 4500]	5518	[4143, 7572]	8287	[9747, 9748]	11056	[11065, 7772]
2750	[4501, 4502]	5519	[7573, 7574]	8288	[9749, 5628]	11057	[11066, 10930]
2751	[3161, 4503]	5520	[7575, 4191]	8289	[8864, 6880]	11058	[812, 9548]
2752	[4504, 4505]	5521	[7576, 3204]	8290	[9750, 5355]	11059	[11067, 6039]
2753	[4506, 1188]	5522	[7577, 4128]	8291	[9751, 6198]	11060	[2233, 9541]
2754	[4507, 4508]	5523	[7578, 7579]	8292	[9752, 6695]	11061	[2227, 10737]
2755	[1349, 4509]	5524	[7580, 7581]	8293	[9753, 2438]	11062	[5658, 2797]
2756	[4510, 492]	5525	[7582, 7583]	8294	[9754, 6028]	11063	[11068, 9766]
2757	[4511, 4298]	5526	[7584, 1511]	8295	[884, 5841]	11064	[10867, 6880]
2758	[4512, 4513]	5527	[7213, 7585]	8296	[9688, 5165]	11065	[11069, 11036]
2759	[4514, 4515]	5528	[4804, 3535]	8297	[1997, 9288]	11066	[11070, 8636]
2760	[4516, 4368]	5529	[7586, 1706]	8298	[665, 6176]	11067	[8779, 385]
2761	[4517, 4518]	5530	[3851, 7007]	8299	[1899, 2301]	11068	[7064, 7771]
2762	[4519, 4520]	5531	[7587, 7588]	8300	[9755, 1980]	11069	[11071, 10170]
2763	[4521, 1157]	5532	[4499, 3159]	8301	[6844, 2888]	11070	[737, 8872]
2764	[4522, 4523]	5533	[4585, 7589]	8302	[9711, 2704]	11071	[11072, 9207]
2765	[4524, 3344]	5534	[7590, 1456]	8303	[1910, 2627]	11072	[8417, 8218]
2766	[4525, 4526]	5535	[7591, 7592]	8304	[9756, 1848]		
2767	[4527, 3370]	5536	[7593, 3464]	8305	[9757, 9344]		
2768	[4528, 4529]	5537	[373, 1646]	8306	[9758, 8830]		

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	1846	0	3692	0	5538	0	7384	1	9230	0
1	0	1847	1	3693	1	5539	1	7385	0	9231	1
2	0	1848	1	3694	1	5540	1	7386	0	9232	0
3	0	1849	0	3695	1	5541	1	7387	1	9233	1
4	0	1850	1	3696	1	5542	1	7388	1	9234	1
5	0	1851	1	3697	1	5543	1	7389	0	9235	1
6	0	1852	0	3698	1	5544	1	7390	0	9236	0
7	0	1853	1	3699	0	5545	1	7391	1	9237	1
8	0	1854	0	3700	0	5546	1	7392	1	9238	0
9	0	1855	0	3701	1	5547	1	7393	1	9239	0

10	1	1856	1	3702	1	5548	0	7394	1	9240	0
11	0	1857	0	3703	1	5549	1	7395	0	9241	1
12	1	1858	1	3704	0	5550	1	7396	1	9242	1
13	0	1859	1	3705	0	5551	1	7397	0	9243	1
14	0	1860	0	3706	1	5552	1	7398	1	9244	0
15	0	1861	1	3707	1	5553	0	7399	1	9245	1
16	0	1862	1	3708	1	5554	1	7400	1	9246	0
17	0	1863	1	3709	1	5555	0	7401	1	9247	0
18	1	1864	0	3710	0	5556	1	7402	1	9248	0
19	0	1865	0	3711	1	5557	1	7403	1	9249	1
20	1	1866	0	3712	1	5558	1	7404	0	9250	1
21	1	1867	0	3713	1	5559	1	7405	1	9251	1
22	1	1868	1	3714	0	5560	1	7406	0	9252	1
23	0	1869	0	3715	0	5561	0	7407	0	9253	0
24	0	1870	1	3716	1	5562	1	7408	0	9254	1
25	1	1871	1	3717	0	5563	1	7409	1	9255	1
26	0	1872	0	3718	1	5564	0	7410	0	9256	0
27	0	1873	1	3719	1	5565	1	7411	0	9257	0
28	0	1874	1	3720	0	5566	0	7412	0	9258	1
29	0	1875	1	3721	1	5567	1	7413	1	9259	1
30	0	1876	0	3722	0	5568	0	7414	1	9260	1
31	0	1877	0	3723	1	5569	0	7415	0	9261	1
32	0	1878	1	3724	0	5570	0	7416	1	9262	1
33	0	1879	1	3725	0	5571	0	7417	0	9263	0
34	0	1880	0	3726	1	5572	0	7418	0	9264	1
35	0	1881	1	3727	0	5573	0	7419	0	9265	0
36	1	1882	0	3728	1	5574	1	7420	0	9266	0
37	1	1883	0	3729	0	5575	0	7421	0	9267	1
38	0	1884	1	3730	1	5576	0	7422	0	9268	0
39	0	1885	1	3731	1	5577	0	7423	0	9269	0
40	0	1886	1	3732	0	5578	0	7424	1	9270	0
41	1	1887	0	3733	0	5579	0	7425	0	9271	0
42	1	1888	1	3734	0	5580	1	7426	1	9272	0
43	1	1889	1	3735	1	5581	0	7427	0	9273	0
44	0	1890	0	3736	1	5582	1	7428	1	9274	1
45	1	1891	1	3737	0	5583	0	7429	0	9275	0
46	1	1892	1	3738	0	5584	1	7430	0	9276	0
47	0	1893	1	3739	1	5585	0	7431	0	9277	1
48	0	1894	1	3740	0	5586	1	7432	1	9278	0
49	0	1895	0	3741	0	5587	0	7433	0	9279	0
50	1	1896	0	3742	0	5588	1	7434	1	9280	1
51	1	1897	0	3743	0	5589	0	7435	0	9281	0
52	1	1898	1	3744	1	5590	0	7436	1	9282	1
53	0	1899	0	3745	0	5591	0	7437	0	9283	1

54	1	1900	1	3746	0	5592	0	7438	1	9284	0
55	0	1901	1	3747	0	5593	1	7439	1	9285	0
56	0	1902	0	3748	1	5594	0	7440	0	9286	1
57	0	1903	0	3749	1	5595	0	7441	1	9287	1
58	0	1904	1	3750	1	5596	0	7442	0	9288	1
59	0	1905	1	3751	1	5597	1	7443	1	9289	1
60	0	1906	0	3752	1	5598	0	7444	1	9290	0
61	0	1907	0	3753	1	5599	1	7445	1	9291	1
62	0	1908	1	3754	0	5600	1	7446	0	9292	1
63	0	1909	0	3755	1	5601	0	7447	1	9293	0
64	1	1910	0	3756	1	5602	1	7448	0	9294	1
65	0	1911	0	3757	0	5603	0	7449	0	9295	1
66	1	1912	1	3758	0	5604	0	7450	1	9296	0
67	0	1913	0	3759	1	5605	1	7451	1	9297	0
68	1	1914	0	3760	1	5606	0	7452	0	9298	0
69	0	1915	0	3761	1	5607	0	7453	1	9299	0
70	1	1916	1	3762	0	5608	1	7454	1	9300	1
71	0	1917	1	3763	0	5609	1	7455	0	9301	1
72	1	1918	0	3764	1	5610	0	7456	0	9302	0
73	1	1919	0	3765	0	5611	0	7457	1	9303	1
74	1	1920	0	3766	0	5612	1	7458	0	9304	1
75	1	1921	1	3767	1	5613	0	7459	1	9305	1
76	1	1922	1	3768	0	5614	1	7460	0	9306	1
77	0	1923	0	3769	0	5615	0	7461	1	9307	1
78	1	1924	0	3770	0	5616	0	7462	1	9308	1
79	0	1925	0	3771	0	5617	0	7463	1	9309	0
80	0	1926	0	3772	1	5618	1	7464	0	9310	0
81	0	1927	0	3773	1	5619	0	7465	1	9311	0
82	1	1928	1	3774	0	5620	0	7466	1	9312	1
83	1	1929	0	3775	0	5621	1	7467	0	9313	1
84	1	1930	0	3776	0	5622	1	7468	1	9314	1
85	1	1931	1	3777	1	5623	1	7469	0	9315	1
86	0	1932	1	3778	1	5624	0	7470	0	9316	1
87	1	1933	0	3779	0	5625	0	7471	1	9317	1
88	1	1934	0	3780	0	5626	0	7472	1	9318	1
89	0	1935	1	3781	1	5627	1	7473	0	9319	0
90	0	1936	0	3782	1	5628	0	7474	1	9320	1
91	1	1937	1	3783	0	5629	1	7475	0	9321	1
92	0	1938	0	3784	1	5630	0	7476	1	9322	1
93	1	1939	0	3785	1	5631	1	7477	1	9323	0
94	0	1940	1	3786	1	5632	1	7478	0	9324	1
95	0	1941	0	3787	1	5633	1	7479	0	9325	1
96	0	1942	0	3788	0	5634	0	7480	1	9326	1
97	0	1943	0	3789	1	5635	1	7481	1	9327	0

98	0	1944	1	3790	1	5636	0	7482	0	9328	1
99	0	1945	0	3791	1	5637	0	7483	1	9329	0
100	0	1946	0	3792	1	5638	0	7484	1	9330	1
101	1	1947	1	3793	0	5639	0	7485	0	9331	0
102	0	1948	0	3794	1	5640	0	7486	0	9332	1
103	1	1949	0	3795	1	5641	0	7487	1	9333	0
104	0	1950	1	3796	0	5642	0	7488	0	9334	0
105	1	1951	1	3797	1	5643	1	7489	1	9335	0
106	0	1952	0	3798	1	5644	0	7490	0	9336	0
107	0	1953	1	3799	1	5645	0	7491	1	9337	0
108	0	1954	0	3800	1	5646	1	7492	1	9338	1
109	1	1955	0	3801	1	5647	1	7493	0	9339	0
110	0	1956	1	3802	1	5648	0	7494	1	9340	0
111	0	1957	0	3803	0	5649	0	7495	0	9341	0
112	0	1958	1	3804	1	5650	0	7496	1	9342	1
113	0	1959	0	3805	1	5651	1	7497	0	9343	1
114	0	1960	1	3806	1	5652	0	7498	0	9344	0
115	0	1961	1	3807	0	5653	0	7499	0	9345	1
116	0	1962	0	3808	0	5654	0	7500	1	9346	1
117	0	1963	1	3809	0	5655	0	7501	1	9347	1
118	0	1964	0	3810	0	5656	0	7502	0	9348	1
119	0	1965	1	3811	1	5657	1	7503	0	9349	0
120	0	1966	1	3812	1	5658	1	7504	0	9350	1
121	0	1967	1	3813	1	5659	0	7505	1	9351	1
122	0	1968	0	3814	0	5660	1	7506	0	9352	0
123	0	1969	0	3815	1	5661	0	7507	0	9353	0
124	0	1970	1	3816	1	5662	0	7508	0	9354	1
125	0	1971	0	3817	1	5663	1	7509	1	9355	0
126	0	1972	1	3818	0	5664	0	7510	0	9356	1
127	0	1973	0	3819	1	5665	0	7511	0	9357	1
128	1	1974	0	3820	1	5666	0	7512	1	9358	0
129	1	1975	0	3821	1	5667	0	7513	1	9359	1
130	1	1976	0	3822	0	5668	1	7514	1	9360	0
131	0	1977	1	3823	1	5669	0	7515	0	9361	1
132	0	1978	0	3824	1	5670	1	7516	1	9362	0
133	1	1979	1	3825	0	5671	0	7517	1	9363	0
134	1	1980	1	3826	1	5672	1	7518	0	9364	1
135	0	1981	0	3827	1	5673	1	7519	1	9365	1
136	0	1982	0	3828	1	5674	0	7520	1	9366	1
137	1	1983	0	3829	0	5675	1	7521	0	9367	1
138	1	1984	0	3830	0	5676	0	7522	0	9368	1
139	0	1985	1	3831	1	5677	0	7523	1	9369	0
140	0	1986	0	3832	1	5678	1	7524	1	9370	0
141	1	1987	0	3833	1	5679	1	7525	0	9371	0

142	0	1988	0	3834	0	5680	0	7526	1	9372	1
143	0	1989	0	3835	1	5681	0	7527	0	9373	1
144	1	1990	0	3836	1	5682	1	7528	1	9374	0
145	1	1991	0	3837	0	5683	1	7529	0	9375	0
146	1	1992	0	3838	1	5684	1	7530	1	9376	0
147	1	1993	0	3839	1	5685	1	7531	0	9377	1
148	0	1994	0	3840	0	5686	1	7532	0	9378	1
149	1	1995	0	3841	0	5687	0	7533	1	9379	0
150	0	1996	0	3842	0	5688	0	7534	1	9380	0
151	1	1997	1	3843	1	5689	1	7535	0	9381	1
152	1	1998	0	3844	1	5690	1	7536	1	9382	0
153	1	1999	0	3845	1	5691	0	7537	0	9383	0
154	1	2000	0	3846	1	5692	0	7538	1	9384	1
155	0	2001	0	3847	0	5693	1	7539	0	9385	1
156	1	2002	1	3848	0	5694	0	7540	1	9386	0
157	1	2003	1	3849	0	5695	0	7541	0	9387	1
158	1	2004	1	3850	1	5696	0	7542	1	9388	0
159	0	2005	0	3851	1	5697	1	7543	1	9389	1
160	0	2006	1	3852	1	5698	0	7544	0	9390	0
161	0	2007	0	3853	0	5699	1	7545	0	9391	1
162	0	2008	1	3854	1	5700	1	7546	0	9392	1
163	0	2009	0	3855	1	5701	1	7547	1	9393	1
164	0	2010	1	3856	1	5702	1	7548	0	9394	1
165	1	2011	0	3857	0	5703	1	7549	1	9395	0
166	1	2012	1	3858	1	5704	1	7550	1	9396	1
167	1	2013	0	3859	1	5705	0	7551	1	9397	1
168	1	2014	1	3860	0	5706	0	7552	1	9398	1
169	1	2015	1	3861	1	5707	1	7553	0	9399	1
170	0	2016	1	3862	1	5708	0	7554	0	9400	1
171	1	2017	1	3863	0	5709	1	7555	0	9401	0
172	0	2018	0	3864	0	5710	1	7556	0	9402	1
173	0	2019	1	3865	0	5711	1	7557	1	9403	0
174	1	2020	0	3866	1	5712	0	7558	0	9404	1
175	1	2021	1	3867	1	5713	0	7559	1	9405	1
176	0	2022	0	3868	0	5714	0	7560	0	9406	0
177	1	2023	1	3869	0	5715	1	7561	0	9407	0
178	1	2024	0	3870	1	5716	0	7562	0	9408	0
179	0	2025	1	3871	1	5717	1	7563	1	9409	0
180	1	2026	1	3872	0	5718	1	7564	0	9410	1
181	0	2027	1	3873	0	5719	1	7565	1	9411	0
182	1	2028	0	3874	1	5720	0	7566	0	9412	0
183	1	2029	0	3875	0	5721	0	7567	1	9413	1
184	1	2030	1	3876	1	5722	0	7568	1	9414	1
185	0	2031	1	3877	0	5723	1	7569	0	9415	1

186	0	2032	1	3878	0	5724	1	7570	1	9416	1
187	1	2033	0	3879	1	5725	0	7571	1	9417	1
188	0	2034	0	3880	0	5726	1	7572	1	9418	1
189	0	2035	1	3881	0	5727	1	7573	1	9419	0
190	1	2036	0	3882	1	5728	1	7574	1	9420	0
191	0	2037	0	3883	1	5729	1	7575	1	9421	1
192	1	2038	1	3884	1	5730	1	7576	1	9422	1
193	0	2039	0	3885	0	5731	0	7577	0	9423	0
194	1	2040	1	3886	0	5732	0	7578	1	9424	0
195	0	2041	0	3887	0	5733	1	7579	0	9425	0
196	1	2042	0	3888	0	5734	1	7580	0	9426	1
197	0	2043	1	3889	1	5735	0	7581	0	9427	0
198	1	2044	1	3890	0	5736	0	7582	1	9428	0
199	0	2045	1	3891	0	5737	0	7583	1	9429	1
200	0	2046	1	3892	1	5738	0	7584	1	9430	1
201	0	2047	1	3893	1	5739	1	7585	0	9431	0
202	1	2048	0	3894	0	5740	0	7586	1	9432	0
203	1	2049	0	3895	1	5741	0	7587	0	9433	0
204	1	2050	0	3896	1	5742	0	7588	1	9434	1
205	0	2051	0	3897	0	5743	1	7589	1	9435	0
206	1	2052	0	3898	0	5744	1	7590	1	9436	1
207	1	2053	0	3899	1	5745	1	7591	0	9437	1
208	1	2054	1	3900	1	5746	0	7592	0	9438	0
209	0	2055	1	3901	1	5747	0	7593	0	9439	1
210	0	2056	1	3902	1	5748	0	7594	0	9440	1
211	1	2057	1	3903	0	5749	0	7595	0	9441	1
212	1	2058	0	3904	1	5750	1	7596	1	9442	0
213	0	2059	1	3905	1	5751	0	7597	1	9443	0
214	0	2060	0	3906	1	5752	1	7598	1	9444	0
215	0	2061	0	3907	1	5753	0	7599	0	9445	1
216	1	2062	1	3908	1	5754	0	7600	1	9446	0
217	0	2063	1	3909	1	5755	0	7601	0	9447	0
218	1	2064	1	3910	0	5756	0	7602	1	9448	1
219	1	2065	1	3911	1	5757	0	7603	1	9449	1
220	0	2066	0	3912	0	5758	0	7604	1	9450	0
221	0	2067	1	3913	1	5759	0	7605	1	9451	1
222	1	2068	0	3914	1	5760	0	7606	1	9452	0
223	0	2069	1	3915	0	5761	0	7607	0	9453	1
224	0	2070	0	3916	0	5762	1	7608	1	9454	0
225	0	2071	0	3917	1	5763	1	7609	1	9455	0
226	1	2072	1	3918	1	5764	1	7610	0	9456	0
227	0	2073	1	3919	1	5765	1	7611	0	9457	0
228	0	2074	1	3920	0	5766	1	7612	0	9458	1
229	0	2075	1	3921	0	5767	1	7613	0	9459	0

230	1	2076	1	3922	1	5768	0	7614	1	9460	0
231	0	2077	0	3923	0	5769	1	7615	0	9461	1
232	1	2078	1	3924	0	5770	1	7616	1	9462	1
233	0	2079	0	3925	1	5771	1	7617	1	9463	1
234	1	2080	1	3926	0	5772	0	7618	1	9464	1
235	0	2081	0	3927	0	5773	0	7619	1	9465	1
236	0	2082	0	3928	1	5774	1	7620	1	9466	0
237	0	2083	1	3929	1	5775	1	7621	0	9467	1
238	0	2084	0	3930	1	5776	0	7622	0	9468	0
239	0	2085	0	3931	1	5777	1	7623	1	9469	1
240	1	2086	0	3932	0	5778	1	7624	1	9470	1
241	0	2087	0	3933	1	5779	1	7625	1	9471	1
242	1	2088	0	3934	1	5780	0	7626	0	9472	0
243	0	2089	0	3935	0	5781	0	7627	0	9473	0
244	0	2090	0	3936	1	5782	0	7628	1	9474	0
245	0	2091	0	3937	0	5783	1	7629	0	9475	0
246	0	2092	1	3938	0	5784	0	7630	1	9476	1
247	0	2093	1	3939	0	5785	0	7631	0	9477	1
248	0	2094	1	3940	1	5786	1	7632	1	9478	1
249	0	2095	0	3941	1	5787	0	7633	0	9479	1
250	0	2096	0	3942	0	5788	0	7634	0	9480	0
251	0	2097	0	3943	1	5789	0	7635	1	9481	0
252	0	2098	0	3944	0	5790	1	7636	1	9482	1
253	0	2099	0	3945	1	5791	0	7637	1	9483	1
254	0	2100	0	3946	1	5792	1	7638	1	9484	1
255	0	2101	1	3947	0	5793	0	7639	1	9485	1
256	0	2102	1	3948	1	5794	1	7640	0	9486	1
257	1	2103	1	3949	1	5795	0	7641	0	9487	0
258	1	2104	0	3950	0	5796	1	7642	1	9488	1
259	1	2105	1	3951	1	5797	0	7643	1	9489	0
260	1	2106	0	3952	1	5798	1	7644	0	9490	1
261	1	2107	0	3953	0	5799	1	7645	1	9491	1
262	1	2108	0	3954	0	5800	0	7646	0	9492	1
263	0	2109	1	3955	1	5801	0	7647	1	9493	1
264	0	2110	1	3956	0	5802	0	7648	1	9494	0
265	0	2111	0	3957	1	5803	0	7649	0	9495	1
266	0	2112	1	3958	1	5804	1	7650	0	9496	0
267	1	2113	0	3959	1	5805	1	7651	1	9497	0
268	0	2114	0	3960	1	5806	1	7652	0	9498	1
269	1	2115	0	3961	0	5807	1	7653	1	9499	0
270	1	2116	1	3962	1	5808	1	7654	0	9500	0
271	0	2117	1	3963	1	5809	1	7655	0	9501	0
272	0	2118	0	3964	0	5810	1	7656	1	9502	0
273	0	2119	1	3965	1	5811	1	7657	0	9503	1

274	0	2120	1	3966	1	5812	0	7658	1	9504	1
275	1	2121	1	3967	1	5813	1	7659	1	9505	0
276	0	2122	1	3968	0	5814	1	7660	0	9506	0
277	1	2123	0	3969	0	5815	1	7661	0	9507	1
278	0	2124	0	3970	1	5816	1	7662	1	9508	1
279	0	2125	0	3971	0	5817	0	7663	0	9509	1
280	1	2126	0	3972	1	5818	0	7664	0	9510	1
281	0	2127	1	3973	1	5819	0	7665	1	9511	0
282	0	2128	1	3974	0	5820	0	7666	1	9512	1
283	1	2129	1	3975	0	5821	1	7667	0	9513	0
284	0	2130	0	3976	1	5822	1	7668	1	9514	1
285	0	2131	0	3977	1	5823	1	7669	0	9515	0
286	0	2132	1	3978	0	5824	1	7670	1	9516	0
287	0	2133	1	3979	1	5825	1	7671	1	9517	1
288	0	2134	0	3980	1	5826	1	7672	0	9518	1
289	1	2135	0	3981	0	5827	0	7673	1	9519	1
290	0	2136	1	3982	0	5828	1	7674	1	9520	1
291	1	2137	0	3983	0	5829	0	7675	0	9521	1
292	0	2138	0	3984	0	5830	1	7676	1	9522	0
293	1	2139	1	3985	1	5831	1	7677	1	9523	0
294	0	2140	0	3986	1	5832	1	7678	0	9524	1
295	1	2141	0	3987	0	5833	0	7679	0	9525	1
296	0	2142	1	3988	1	5834	0	7680	0	9526	1
297	0	2143	1	3989	1	5835	0	7681	1	9527	1
298	0	2144	0	3990	0	5836	0	7682	0	9528	1
299	1	2145	1	3991	0	5837	1	7683	1	9529	1
300	0	2146	0	3992	1	5838	1	7684	0	9530	0
301	0	2147	1	3993	1	5839	0	7685	1	9531	1
302	1	2148	0	3994	0	5840	0	7686	0	9532	1
303	1	2149	0	3995	1	5841	1	7687	1	9533	1
304	0	2150	1	3996	1	5842	1	7688	1	9534	0
305	1	2151	0	3997	0	5843	0	7689	0	9535	1
306	0	2152	0	3998	1	5844	1	7690	1	9536	0
307	1	2153	1	3999	1	5845	0	7691	0	9537	1
308	0	2154	0	4000	1	5846	1	7692	0	9538	1
309	1	2155	1	4001	1	5847	1	7693	1	9539	0
310	0	2156	1	4002	1	5848	0	7694	1	9540	1
311	0	2157	1	4003	1	5849	1	7695	1	9541	0
312	1	2158	1	4004	0	5850	1	7696	0	9542	0
313	1	2159	0	4005	0	5851	1	7697	1	9543	0
314	1	2160	1	4006	1	5852	0	7698	0	9544	0
315	1	2161	1	4007	0	5853	1	7699	0	9545	0
316	1	2162	1	4008	0	5854	1	7700	0	9546	0
317	1	2163	0	4009	0	5855	0	7701	1	9547	0

318	0	2164	0	4010	0	5856	0	7702	1	9548	1
319	1	2165	1	4011	0	5857	1	7703	0	9549	0
320	0	2166	1	4012	1	5858	1	7704	0	9550	1
321	0	2167	1	4013	0	5859	0	7705	0	9551	1
322	0	2168	0	4014	0	5860	1	7706	1	9552	1
323	0	2169	1	4015	0	5861	1	7707	1	9553	0
324	0	2170	0	4016	0	5862	0	7708	1	9554	1
325	1	2171	0	4017	1	5863	0	7709	0	9555	0
326	0	2172	1	4018	0	5864	0	7710	0	9556	1
327	1	2173	1	4019	0	5865	1	7711	0	9557	1
328	0	2174	1	4020	1	5866	0	7712	0	9558	0
329	0	2175	0	4021	0	5867	0	7713	0	9559	1
330	1	2176	0	4022	1	5868	1	7714	0	9560	1
331	0	2177	1	4023	0	5869	1	7715	1	9561	0
332	1	2178	0	4024	1	5870	1	7716	1	9562	1
333	1	2179	1	4025	0	5871	0	7717	0	9563	1
334	1	2180	0	4026	0	5872	1	7718	1	9564	1
335	1	2181	0	4027	1	5873	1	7719	0	9565	1
336	1	2182	1	4028	1	5874	1	7720	0	9566	1
337	0	2183	0	4029	0	5875	1	7721	0	9567	0
338	1	2184	0	4030	1	5876	1	7722	1	9568	1
339	0	2185	0	4031	1	5877	1	7723	1	9569	0
340	0	2186	0	4032	1	5878	1	7724	0	9570	1
341	0	2187	0	4033	0	5879	0	7725	1	9571	0
342	1	2188	1	4034	1	5880	0	7726	0	9572	0
343	0	2189	0	4035	1	5881	1	7727	0	9573	0
344	0	2190	0	4036	0	5882	1	7728	0	9574	0
345	1	2191	0	4037	0	5883	1	7729	1	9575	1
346	0	2192	0	4038	1	5884	1	7730	0	9576	1
347	1	2193	0	4039	1	5885	1	7731	0	9577	1
348	1	2194	1	4040	1	5886	1	7732	0	9578	1
349	0	2195	0	4041	1	5887	1	7733	0	9579	0
350	1	2196	1	4042	1	5888	1	7734	1	9580	1
351	1	2197	1	4043	1	5889	0	7735	0	9581	0
352	0	2198	0	4044	0	5890	1	7736	1	9582	0
353	1	2199	1	4045	0	5891	1	7737	0	9583	1
354	1	2200	0	4046	0	5892	1	7738	1	9584	0
355	1	2201	1	4047	0	5893	1	7739	0	9585	1
356	1	2202	0	4048	1	5894	0	7740	1	9586	0
357	1	2203	0	4049	1	5895	1	7741	1	9587	1
358	0	2204	1	4050	0	5896	1	7742	0	9588	0
359	1	2205	0	4051	0	5897	0	7743	1	9589	0
360	1	2206	0	4052	1	5898	1	7744	1	9590	0
361	1	2207	1	4053	0	5899	1	7745	0	9591	1

362	0	2208	0	4054	1	5900	0	7746	1	9592	1
363	1	2209	1	4055	0	5901	1	7747	1	9593	1
364	1	2210	0	4056	0	5902	1	7748	0	9594	1
365	1	2211	1	4057	1	5903	0	7749	1	9595	0
366	0	2212	0	4058	0	5904	1	7750	0	9596	1
367	0	2213	0	4059	1	5905	0	7751	1	9597	1
368	0	2214	1	4060	0	5906	1	7752	0	9598	1
369	0	2215	0	4061	1	5907	1	7753	1	9599	0
370	0	2216	1	4062	0	5908	0	7754	0	9600	1
371	1	2217	0	4063	0	5909	0	7755	0	9601	1
372	1	2218	1	4064	1	5910	0	7756	0	9602	1
373	0	2219	1	4065	1	5911	1	7757	1	9603	1
374	0	2220	0	4066	1	5912	1	7758	1	9604	1
375	0	2221	0	4067	0	5913	1	7759	1	9605	1
376	0	2222	1	4068	0	5914	1	7760	0	9606	0
377	0	2223	1	4069	1	5915	1	7761	1	9607	1
378	1	2224	1	4070	0	5916	1	7762	0	9608	0
379	0	2225	1	4071	1	5917	0	7763	1	9609	0
380	0	2226	1	4072	0	5918	0	7764	1	9610	1
381	0	2227	1	4073	1	5919	0	7765	1	9611	0
382	1	2228	0	4074	1	5920	1	7766	1	9612	1
383	0	2229	1	4075	1	5921	0	7767	0	9613	1
384	0	2230	0	4076	0	5922	0	7768	0	9614	1
385	0	2231	1	4077	1	5923	0	7769	0	9615	1
386	1	2232	1	4078	0	5924	1	7770	1	9616	0
387	0	2233	1	4079	0	5925	1	7771	0	9617	0
388	0	2234	1	4080	0	5926	1	7772	0	9618	1
389	1	2235	1	4081	0	5927	0	7773	1	9619	0
390	1	2236	0	4082	0	5928	1	7774	1	9620	0
391	0	2237	0	4083	1	5929	0	7775	0	9621	1
392	0	2238	1	4084	0	5930	0	7776	1	9622	1
393	0	2239	0	4085	0	5931	0	7777	0	9623	1
394	1	2240	0	4086	1	5932	1	7778	1	9624	0
395	1	2241	0	4087	1	5933	1	7779	0	9625	0
396	0	2242	1	4088	1	5934	1	7780	0	9626	1
397	0	2243	1	4089	0	5935	0	7781	1	9627	0
398	0	2244	0	4090	0	5936	1	7782	1	9628	0
399	0	2245	1	4091	1	5937	1	7783	1	9629	1
400	0	2246	1	4092	0	5938	1	7784	0	9630	0
401	0	2247	1	4093	1	5939	0	7785	0	9631	1
402	1	2248	1	4094	1	5940	1	7786	0	9632	1
403	1	2249	0	4095	0	5941	1	7787	1	9633	0
404	1	2250	1	4096	0	5942	1	7788	1	9634	1
405	0	2251	0	4097	1	5943	1	7789	1	9635	0

406	1	2252	0	4098	0	5944	0	7790	1	9636	1
407	0	2253	1	4099	1	5945	0	7791	0	9637	1
408	0	2254	1	4100	1	5946	1	7792	0	9638	0
409	0	2255	0	4101	1	5947	1	7793	0	9639	1
410	1	2256	0	4102	1	5948	1	7794	0	9640	0
411	0	2257	1	4103	1	5949	0	7795	1	9641	1
412	1	2258	1	4104	0	5950	1	7796	0	9642	0
413	0	2259	0	4105	0	5951	0	7797	1	9643	1
414	1	2260	1	4106	0	5952	0	7798	0	9644	1
415	1	2261	1	4107	0	5953	1	7799	0	9645	0
416	1	2262	1	4108	0	5954	1	7800	0	9646	0
417	0	2263	1	4109	0	5955	1	7801	1	9647	0
418	1	2264	0	4110	1	5956	0	7802	1	9648	1
419	1	2265	1	4111	0	5957	0	7803	1	9649	1
420	0	2266	1	4112	0	5958	1	7804	0	9650	0
421	1	2267	1	4113	1	5959	0	7805	0	9651	1
422	1	2268	0	4114	1	5960	0	7806	0	9652	1
423	0	2269	0	4115	1	5961	0	7807	0	9653	1
424	1	2270	1	4116	1	5962	1	7808	1	9654	1
425	0	2271	1	4117	1	5963	1	7809	1	9655	1
426	0	2272	1	4118	0	5964	1	7810	0	9656	1
427	1	2273	1	4119	0	5965	0	7811	0	9657	0
428	0	2274	1	4120	1	5966	1	7812	1	9658	1
429	0	2275	0	4121	0	5967	0	7813	0	9659	1
430	0	2276	0	4122	1	5968	1	7814	0	9660	0
431	0	2277	0	4123	0	5969	1	7815	0	9661	1
432	1	2278	1	4124	0	5970	1	7816	0	9662	0
433	1	2279	0	4125	1	5971	0	7817	1	9663	0
434	0	2280	0	4126	0	5972	1	7818	0	9664	0
435	1	2281	0	4127	1	5973	1	7819	0	9665	1
436	0	2282	1	4128	0	5974	0	7820	1	9666	0
437	1	2283	0	4129	1	5975	0	7821	1	9667	1
438	1	2284	0	4130	0	5976	1	7822	0	9668	1
439	1	2285	1	4131	1	5977	1	7823	1	9669	0
440	0	2286	0	4132	0	5978	0	7824	1	9670	0
441	0	2287	1	4133	0	5979	0	7825	1	9671	0
442	0	2288	0	4134	1	5980	1	7826	1	9672	1
443	0	2289	1	4135	0	5981	0	7827	1	9673	1
444	0	2290	0	4136	0	5982	0	7828	0	9674	0
445	0	2291	1	4137	0	5983	1	7829	0	9675	0
446	1	2292	0	4138	0	5984	0	7830	1	9676	1
447	0	2293	1	4139	1	5985	1	7831	1	9677	1
448	0	2294	1	4140	1	5986	1	7832	0	9678	0
449	0	2295	1	4141	0	5987	1	7833	0	9679	0

450	0	2296	0	4142	0	5988	1	7834	1	9680	1
451	1	2297	0	4143	1	5989	0	7835	0	9681	1
452	0	2298	1	4144	0	5990	1	7836	0	9682	1
453	1	2299	0	4145	1	5991	0	7837	0	9683	0
454	1	2300	1	4146	0	5992	0	7838	0	9684	0
455	0	2301	0	4147	0	5993	1	7839	0	9685	1
456	0	2302	0	4148	0	5994	0	7840	0	9686	1
457	0	2303	0	4149	1	5995	1	7841	0	9687	0
458	1	2304	0	4150	1	5996	1	7842	1	9688	1
459	1	2305	0	4151	1	5997	0	7843	1	9689	1
460	0	2306	1	4152	0	5998	1	7844	1	9690	0
461	1	2307	1	4153	1	5999	1	7845	0	9691	0
462	1	2308	0	4154	1	6000	0	7846	1	9692	1
463	1	2309	0	4155	0	6001	0	7847	1	9693	0
464	0	2310	1	4156	1	6002	1	7848	0	9694	0
465	1	2311	1	4157	1	6003	1	7849	0	9695	1
466	0	2312	1	4158	1	6004	1	7850	1	9696	0
467	1	2313	0	4159	0	6005	1	7851	0	9697	1
468	0	2314	0	4160	1	6006	0	7852	0	9698	0
469	1	2315	1	4161	0	6007	1	7853	0	9699	0
470	0	2316	0	4162	1	6008	0	7854	0	9700	0
471	0	2317	1	4163	1	6009	1	7855	1	9701	0
472	0	2318	0	4164	0	6010	1	7856	1	9702	0
473	0	2319	1	4165	1	6011	1	7857	1	9703	0
474	1	2320	0	4166	1	6012	1	7858	1	9704	0
475	1	2321	0	4167	0	6013	0	7859	1	9705	0
476	0	2322	1	4168	0	6014	0	7860	1	9706	0
477	1	2323	1	4169	1	6015	1	7861	1	9707	1
478	1	2324	1	4170	0	6016	1	7862	0	9708	1
479	1	2325	1	4171	1	6017	1	7863	1	9709	0
480	0	2326	0	4172	0	6018	1	7864	1	9710	1
481	1	2327	1	4173	1	6019	1	7865	0	9711	1
482	0	2328	0	4174	1	6020	1	7866	1	9712	1
483	0	2329	0	4175	1	6021	1	7867	1	9713	0
484	1	2330	1	4176	1	6022	0	7868	0	9714	0
485	0	2331	0	4177	1	6023	0	7869	1	9715	0
486	0	2332	0	4178	1	6024	0	7870	1	9716	1
487	0	2333	1	4179	0	6025	1	7871	0	9717	1
488	0	2334	1	4180	0	6026	0	7872	1	9718	1
489	0	2335	0	4181	0	6027	0	7873	0	9719	1
490	0	2336	1	4182	1	6028	1	7874	1	9720	1
491	0	2337	0	4183	0	6029	0	7875	1	9721	1
492	0	2338	1	4184	0	6030	1	7876	1	9722	1
493	0	2339	0	4185	0	6031	0	7877	0	9723	1

494	1	2340	1	4186	1	6032	1	7878	0	9724	0
495	0	2341	1	4187	0	6033	1	7879	0	9725	1
496	0	2342	1	4188	0	6034	0	7880	1	9726	0
497	0	2343	0	4189	1	6035	0	7881	0	9727	1
498	0	2344	1	4190	0	6036	1	7882	0	9728	0
499	0	2345	0	4191	0	6037	0	7883	1	9729	0
500	0	2346	0	4192	0	6038	0	7884	1	9730	0
501	0	2347	0	4193	1	6039	0	7885	1	9731	1
502	1	2348	1	4194	0	6040	1	7886	0	9732	0
503	0	2349	0	4195	0	6041	0	7887	0	9733	1
504	0	2350	0	4196	1	6042	1	7888	1	9734	0
505	0	2351	1	4197	0	6043	1	7889	1	9735	1
506	0	2352	0	4198	0	6044	1	7890	1	9736	1
507	1	2353	1	4199	0	6045	1	7891	0	9737	0
508	1	2354	1	4200	0	6046	0	7892	0	9738	0
509	1	2355	0	4201	0	6047	0	7893	1	9739	0
510	1	2356	0	4202	1	6048	0	7894	1	9740	1
511	1	2357	0	4203	0	6049	1	7895	0	9741	0
512	1	2358	0	4204	1	6050	1	7896	1	9742	1
513	1	2359	1	4205	1	6051	1	7897	0	9743	0
514	1	2360	0	4206	0	6052	0	7898	1	9744	0
515	1	2361	1	4207	0	6053	0	7899	0	9745	0
516	1	2362	1	4208	0	6054	0	7900	1	9746	0
517	1	2363	0	4209	1	6055	0	7901	1	9747	1
518	0	2364	0	4210	0	6056	0	7902	1	9748	1
519	0	2365	1	4211	1	6057	0	7903	1	9749	1
520	1	2366	1	4212	1	6058	1	7904	0	9750	1
521	0	2367	1	4213	1	6059	0	7905	0	9751	1
522	1	2368	1	4214	0	6060	0	7906	1	9752	0
523	0	2369	1	4215	0	6061	0	7907	1	9753	0
524	0	2370	0	4216	1	6062	0	7908	0	9754	0
525	0	2371	1	4217	0	6063	1	7909	1	9755	0
526	0	2372	1	4218	1	6064	1	7910	1	9756	1
527	1	2373	1	4219	0	6065	0	7911	1	9757	0
528	0	2374	0	4220	1	6066	1	7912	0	9758	0
529	0	2375	0	4221	0	6067	1	7913	0	9759	0
530	0	2376	0	4222	0	6068	0	7914	1	9760	1
531	1	2377	0	4223	1	6069	0	7915	1	9761	0
532	0	2378	1	4224	1	6070	1	7916	1	9762	1
533	1	2379	1	4225	0	6071	0	7917	0	9763	0
534	1	2380	0	4226	0	6072	1	7918	1	9764	0
535	0	2381	0	4227	1	6073	0	7919	1	9765	0
536	0	2382	1	4228	0	6074	0	7920	1	9766	1
537	0	2383	0	4229	0	6075	1	7921	1	9767	0

538	1	2384	1	4230	0	6076	0	7922	0	9768	0
539	0	2385	1	4231	0	6077	0	7923	0	9769	0
540	1	2386	0	4232	0	6078	1	7924	1	9770	1
541	0	2387	0	4233	1	6079	0	7925	1	9771	1
542	0	2388	1	4234	1	6080	1	7926	1	9772	0
543	1	2389	1	4235	0	6081	0	7927	1	9773	1
544	1	2390	0	4236	1	6082	1	7928	1	9774	0
545	0	2391	1	4237	1	6083	1	7929	1	9775	0
546	1	2392	1	4238	1	6084	1	7930	0	9776	1
547	1	2393	0	4239	0	6085	0	7931	1	9777	0
548	0	2394	1	4240	1	6086	1	7932	0	9778	0
549	0	2395	1	4241	1	6087	1	7933	1	9779	1
550	0	2396	1	4242	1	6088	1	7934	1	9780	1
551	0	2397	0	4243	0	6089	1	7935	1	9781	0
552	1	2398	1	4244	0	6090	1	7936	1	9782	1
553	1	2399	1	4245	0	6091	0	7937	1	9783	1
554	0	2400	1	4246	0	6092	0	7938	0	9784	1
555	1	2401	1	4247	0	6093	0	7939	0	9785	1
556	0	2402	0	4248	1	6094	1	7940	1	9786	0
557	0	2403	0	4249	0	6095	0	7941	1	9787	1
558	1	2404	0	4250	0	6096	1	7942	0	9788	1
559	0	2405	0	4251	0	6097	1	7943	1	9789	1
560	0	2406	1	4252	0	6098	1	7944	1	9790	1
561	0	2407	0	4253	1	6099	0	7945	0	9791	1
562	0	2408	0	4254	0	6100	0	7946	0	9792	0
563	0	2409	1	4255	0	6101	1	7947	1	9793	0
564	0	2410	0	4256	0	6102	0	7948	0	9794	1
565	0	2411	1	4257	0	6103	0	7949	0	9795	1
566	1	2412	1	4258	1	6104	0	7950	0	9796	1
567	0	2413	1	4259	0	6105	1	7951	1	9797	1
568	0	2414	0	4260	1	6106	0	7952	0	9798	1
569	1	2415	1	4261	0	6107	0	7953	1	9799	1
570	0	2416	0	4262	1	6108	1	7954	0	9800	1
571	0	2417	1	4263	0	6109	1	7955	1	9801	1
572	1	2418	0	4264	0	6110	1	7956	0	9802	0
573	1	2419	1	4265	0	6111	0	7957	0	9803	1
574	0	2420	1	4266	0	6112	1	7958	0	9804	1
575	1	2421	0	4267	1	6113	0	7959	0	9805	1
576	1	2422	1	4268	0	6114	0	7960	0	9806	1
577	1	2423	1	4269	1	6115	1	7961	1	9807	1
578	0	2424	0	4270	0	6116	0	7962	1	9808	0
579	1	2425	1	4271	0	6117	0	7963	1	9809	1
580	1	2426	1	4272	0	6118	1	7964	1	9810	1
581	0	2427	0	4273	1	6119	1	7965	0	9811	0

582	0	2428	0	4274	1	6120	0	7966	1	9812	0
583	1	2429	0	4275	0	6121	1	7967	0	9813	1
584	0	2430	0	4276	1	6122	0	7968	1	9814	1
585	1	2431	1	4277	1	6123	0	7969	0	9815	1
586	0	2432	0	4278	1	6124	1	7970	1	9816	1
587	1	2433	0	4279	1	6125	0	7971	0	9817	0
588	1	2434	1	4280	0	6126	1	7972	1	9818	0
589	0	2435	1	4281	0	6127	0	7973	1	9819	1
590	0	2436	0	4282	1	6128	1	7974	0	9820	0
591	0	2437	1	4283	1	6129	1	7975	1	9821	0
592	0	2438	1	4284	0	6130	1	7976	1	9822	1
593	0	2439	1	4285	0	6131	1	7977	1	9823	0
594	1	2440	0	4286	1	6132	1	7978	0	9824	0
595	0	2441	0	4287	0	6133	0	7979	1	9825	0
596	1	2442	0	4288	1	6134	1	7980	1	9826	1
597	1	2443	1	4289	0	6135	0	7981	1	9827	1
598	0	2444	1	4290	1	6136	0	7982	0	9828	1
599	0	2445	1	4291	1	6137	0	7983	1	9829	0
600	1	2446	0	4292	0	6138	0	7984	0	9830	0
601	0	2447	0	4293	0	6139	1	7985	1	9831	0
602	0	2448	0	4294	1	6140	0	7986	1	9832	1
603	1	2449	0	4295	1	6141	0	7987	1	9833	1
604	1	2450	1	4296	0	6142	1	7988	1	9834	1
605	1	2451	0	4297	1	6143	1	7989	0	9835	0
606	0	2452	1	4298	1	6144	1	7990	1	9836	1
607	1	2453	1	4299	1	6145	1	7991	0	9837	1
608	1	2454	1	4300	0	6146	0	7992	0	9838	1
609	1	2455	0	4301	0	6147	1	7993	1	9839	0
610	0	2456	0	4302	0	6148	0	7994	1	9840	1
611	1	2457	0	4303	1	6149	1	7995	0	9841	0
612	0	2458	1	4304	0	6150	0	7996	1	9842	0
613	1	2459	1	4305	0	6151	0	7997	0	9843	1
614	0	2460	0	4306	0	6152	1	7998	0	9844	0
615	1	2461	0	4307	1	6153	1	7999	1	9845	0
616	1	2462	1	4308	1	6154	1	8000	1	9846	0
617	1	2463	1	4309	0	6155	1	8001	1	9847	0
618	1	2464	1	4310	0	6156	1	8002	1	9848	0
619	0	2465	0	4311	0	6157	1	8003	0	9849	0
620	1	2466	1	4312	0	6158	0	8004	1	9850	0
621	0	2467	0	4313	1	6159	0	8005	0	9851	1
622	0	2468	0	4314	1	6160	0	8006	1	9852	1
623	0	2469	0	4315	0	6161	0	8007	1	9853	1
624	1	2470	1	4316	1	6162	1	8008	0	9854	1
625	0	2471	1	4317	0	6163	0	8009	0	9855	0

626	0	2472	0	4318	0	6164	1	8010	0	9856	0
627	0	2473	0	4319	1	6165	0	8011	1	9857	0
628	0	2474	1	4320	1	6166	0	8012	1	9858	1
629	0	2475	1	4321	1	6167	1	8013	0	9859	0
630	0	2476	0	4322	1	6168	0	8014	1	9860	0
631	0	2477	0	4323	1	6169	1	8015	0	9861	1
632	0	2478	1	4324	1	6170	1	8016	1	9862	0
633	1	2479	0	4325	0	6171	1	8017	1	9863	0
634	0	2480	1	4326	0	6172	1	8018	0	9864	1
635	0	2481	0	4327	0	6173	0	8019	1	9865	1
636	1	2482	1	4328	1	6174	0	8020	1	9866	1
637	0	2483	1	4329	1	6175	0	8021	0	9867	0
638	0	2484	1	4330	1	6176	1	8022	1	9868	1
639	1	2485	1	4331	0	6177	1	8023	0	9869	0
640	1	2486	1	4332	0	6178	0	8024	0	9870	1
641	0	2487	0	4333	0	6179	1	8025	1	9871	1
642	0	2488	1	4334	0	6180	0	8026	1	9872	0
643	1	2489	1	4335	0	6181	0	8027	0	9873	0
644	0	2490	0	4336	0	6182	0	8028	0	9874	0
645	1	2491	1	4337	1	6183	1	8029	1	9875	1
646	0	2492	1	4338	0	6184	0	8030	1	9876	1
647	0	2493	0	4339	0	6185	0	8031	0	9877	0
648	0	2494	1	4340	1	6186	1	8032	1	9878	0
649	1	2495	1	4341	1	6187	0	8033	1	9879	1
650	1	2496	0	4342	0	6188	0	8034	0	9880	0
651	1	2497	1	4343	0	6189	0	8035	0	9881	1
652	1	2498	1	4344	0	6190	0	8036	1	9882	1
653	1	2499	1	4345	1	6191	1	8037	1	9883	1
654	1	2500	0	4346	0	6192	0	8038	0	9884	0
655	1	2501	0	4347	1	6193	0	8039	1	9885	1
656	0	2502	0	4348	0	6194	0	8040	1	9886	0
657	0	2503	0	4349	0	6195	1	8041	0	9887	1
658	1	2504	1	4350	1	6196	0	8042	1	9888	1
659	1	2505	0	4351	1	6197	1	8043	1	9889	0
660	0	2506	1	4352	1	6198	1	8044	1	9890	0
661	1	2507	0	4353	0	6199	1	8045	1	9891	1
662	0	2508	0	4354	1	6200	1	8046	1	9892	0
663	0	2509	0	4355	1	6201	1	8047	1	9893	0
664	0	2510	0	4356	0	6202	0	8048	1	9894	1
665	1	2511	1	4357	0	6203	1	8049	0	9895	1
666	1	2512	0	4358	1	6204	0	8050	0	9896	1
667	0	2513	1	4359	1	6205	1	8051	0	9897	0
668	0	2514	0	4360	0	6206	1	8052	0	9898	1
669	1	2515	0	4361	1	6207	0	8053	0	9899	0

670	0	2516	0	4362	0	6208	0	8054	1	9900	0
671	1	2517	1	4363	1	6209	0	8055	1	9901	1
672	1	2518	1	4364	1	6210	0	8056	1	9902	1
673	0	2519	1	4365	1	6211	1	8057	0	9903	1
674	0	2520	0	4366	0	6212	1	8058	1	9904	0
675	0	2521	1	4367	0	6213	0	8059	0	9905	1
676	1	2522	1	4368	0	6214	1	8060	0	9906	0
677	1	2523	1	4369	0	6215	0	8061	1	9907	1
678	1	2524	1	4370	1	6216	0	8062	1	9908	1
679	0	2525	0	4371	1	6217	1	8063	0	9909	0
680	0	2526	0	4372	1	6218	0	8064	0	9910	0
681	0	2527	1	4373	1	6219	1	8065	1	9911	0
682	1	2528	0	4374	1	6220	1	8066	1	9912	0
683	1	2529	0	4375	0	6221	0	8067	1	9913	1
684	1	2530	0	4376	1	6222	0	8068	0	9914	1
685	1	2531	1	4377	0	6223	1	8069	1	9915	1
686	0	2532	0	4378	0	6224	0	8070	0	9916	1
687	0	2533	0	4379	1	6225	1	8071	1	9917	1
688	1	2534	1	4380	0	6226	1	8072	0	9918	1
689	0	2535	0	4381	1	6227	0	8073	0	9919	0
690	1	2536	0	4382	1	6228	1	8074	1	9920	0
691	1	2537	0	4383	0	6229	0	8075	0	9921	1
692	1	2538	1	4384	1	6230	1	8076	0	9922	0
693	1	2539	1	4385	0	6231	0	8077	0	9923	0
694	1	2540	1	4386	0	6232	1	8078	0	9924	0
695	0	2541	1	4387	1	6233	1	8079	0	9925	0
696	1	2542	1	4388	0	6234	0	8080	0	9926	1
697	1	2543	0	4389	1	6235	1	8081	0	9927	0
698	0	2544	0	4390	0	6236	1	8082	0	9928	0
699	1	2545	1	4391	1	6237	1	8083	1	9929	1
700	1	2546	0	4392	0	6238	0	8084	1	9930	0
701	1	2547	0	4393	0	6239	1	8085	1	9931	0
702	1	2548	0	4394	1	6240	1	8086	0	9932	0
703	1	2549	0	4395	1	6241	0	8087	1	9933	0
704	1	2550	1	4396	0	6242	1	8088	1	9934	1
705	0	2551	1	4397	0	6243	0	8089	1	9935	1
706	0	2552	1	4398	0	6244	1	8090	0	9936	1
707	1	2553	0	4399	0	6245	1	8091	0	9937	1
708	1	2554	0	4400	1	6246	0	8092	1	9938	1
709	1	2555	0	4401	0	6247	0	8093	0	9939	0
710	0	2556	1	4402	0	6248	0	8094	1	9940	1
711	1	2557	0	4403	0	6249	0	8095	0	9941	1
712	0	2558	0	4404	0	6250	1	8096	1	9942	1
713	0	2559	1	4405	1	6251	0	8097	0	9943	1

714	1	2560	0	4406	1	6252	0	8098	1	9944	0
715	0	2561	1	4407	0	6253	1	8099	1	9945	1
716	1	2562	1	4408	1	6254	0	8100	1	9946	1
717	0	2563	0	4409	1	6255	0	8101	0	9947	0
718	0	2564	0	4410	1	6256	0	8102	1	9948	0
719	0	2565	0	4411	0	6257	1	8103	1	9949	0
720	1	2566	0	4412	1	6258	0	8104	1	9950	1
721	0	2567	0	4413	1	6259	0	8105	1	9951	1
722	0	2568	1	4414	1	6260	0	8106	1	9952	1
723	1	2569	0	4415	1	6261	0	8107	1	9953	0
724	0	2570	0	4416	1	6262	1	8108	1	9954	1
725	1	2571	0	4417	0	6263	0	8109	0	9955	1
726	1	2572	0	4418	0	6264	1	8110	0	9956	0
727	1	2573	1	4419	0	6265	0	8111	1	9957	0
728	0	2574	0	4420	1	6266	1	8112	0	9958	0
729	1	2575	1	4421	1	6267	0	8113	0	9959	1
730	0	2576	0	4422	0	6268	1	8114	1	9960	1
731	0	2577	1	4423	0	6269	0	8115	1	9961	1
732	0	2578	0	4424	0	6270	0	8116	0	9962	1
733	1	2579	1	4425	1	6271	1	8117	0	9963	0
734	0	2580	1	4426	1	6272	1	8118	0	9964	0
735	1	2581	0	4427	1	6273	1	8119	1	9965	1
736	1	2582	1	4428	1	6274	0	8120	0	9966	0
737	0	2583	1	4429	0	6275	1	8121	0	9967	1
738	0	2584	0	4430	1	6276	0	8122	0	9968	0
739	0	2585	1	4431	0	6277	0	8123	1	9969	0
740	0	2586	0	4432	1	6278	0	8124	1	9970	0
741	0	2587	0	4433	1	6279	1	8125	1	9971	0
742	1	2588	1	4434	1	6280	0	8126	1	9972	0
743	1	2589	0	4435	1	6281	1	8127	0	9973	1
744	0	2590	1	4436	0	6282	1	8128	1	9974	0
745	0	2591	1	4437	1	6283	1	8129	1	9975	1
746	0	2592	1	4438	0	6284	1	8130	0	9976	1
747	1	2593	0	4439	1	6285	1	8131	1	9977	1
748	0	2594	0	4440	0	6286	1	8132	1	9978	0
749	0	2595	1	4441	1	6287	0	8133	0	9979	1
750	1	2596	0	4442	0	6288	1	8134	0	9980	0
751	0	2597	0	4443	0	6289	1	8135	0	9981	0
752	0	2598	1	4444	0	6290	0	8136	1	9982	0
753	0	2599	1	4445	0	6291	0	8137	1	9983	0
754	0	2600	0	4446	0	6292	0	8138	1	9984	1
755	1	2601	0	4447	1	6293	0	8139	1	9985	1
756	1	2602	1	4448	1	6294	0	8140	1	9986	0
757	0	2603	1	4449	0	6295	1	8141	0	9987	1

758	1	2604	1	4450	1	6296	1	8142	1	9988	1
759	1	2605	0	4451	1	6297	1	8143	0	9989	0
760	0	2606	1	4452	0	6298	0	8144	1	9990	0
761	1	2607	0	4453	0	6299	0	8145	0	9991	0
762	0	2608	1	4454	0	6300	0	8146	1	9992	1
763	0	2609	0	4455	1	6301	1	8147	1	9993	0
764	0	2610	1	4456	1	6302	0	8148	0	9994	0
765	1	2611	1	4457	0	6303	0	8149	0	9995	0
766	1	2612	1	4458	1	6304	0	8150	0	9996	0
767	0	2613	0	4459	0	6305	0	8151	1	9997	1
768	1	2614	0	4460	0	6306	0	8152	1	9998	1
769	0	2615	1	4461	1	6307	0	8153	0	9999	0
770	1	2616	0	4462	1	6308	0	8154	0	10000	0
771	0	2617	0	4463	0	6309	1	8155	0	10001	1
772	0	2618	0	4464	1	6310	1	8156	1	10002	1
773	0	2619	0	4465	0	6311	0	8157	1	10003	0
774	1	2620	0	4466	1	6312	1	8158	0	10004	0
775	0	2621	0	4467	1	6313	1	8159	0	10005	0
776	0	2622	1	4468	0	6314	1	8160	1	10006	1
777	0	2623	0	4469	0	6315	0	8161	0	10007	0
778	1	2624	1	4470	0	6316	1	8162	1	10008	0
779	0	2625	0	4471	0	6317	0	8163	1	10009	0
780	1	2626	1	4472	1	6318	1	8164	0	10010	0
781	1	2627	0	4473	1	6319	0	8165	0	10011	1
782	1	2628	1	4474	1	6320	0	8166	1	10012	1
783	1	2629	0	4475	0	6321	1	8167	0	10013	1
784	1	2630	1	4476	0	6322	0	8168	1	10014	0
785	1	2631	1	4477	1	6323	0	8169	0	10015	0
786	1	2632	0	4478	0	6324	0	8170	1	10016	0
787	0	2633	1	4479	1	6325	0	8171	1	10017	1
788	1	2634	0	4480	1	6326	0	8172	1	10018	0
789	1	2635	1	4481	0	6327	0	8173	1	10019	1
790	0	2636	0	4482	0	6328	0	8174	0	10020	1
791	0	2637	1	4483	1	6329	1	8175	0	10021	0
792	0	2638	1	4484	1	6330	0	8176	0	10022	0
793	0	2639	0	4485	1	6331	1	8177	1	10023	1
794	1	2640	1	4486	1	6332	0	8178	1	10024	1
795	0	2641	0	4487	0	6333	1	8179	1	10025	1
796	0	2642	1	4488	1	6334	0	8180	0	10026	0
797	1	2643	1	4489	0	6335	0	8181	1	10027	0
798	0	2644	0	4490	1	6336	1	8182	0	10028	0
799	1	2645	0	4491	0	6337	0	8183	0	10029	0
800	1	2646	1	4492	0	6338	0	8184	1	10030	0
801	0	2647	1	4493	1	6339	1	8185	1	10031	1

802	0	2648	0	4494	0	6340	0	8186	1	10032	0
803	0	2649	1	4495	0	6341	1	8187	1	10033	0
804	1	2650	0	4496	1	6342	0	8188	1	10034	0
805	0	2651	1	4497	0	6343	0	8189	0	10035	0
806	1	2652	1	4498	1	6344	1	8190	0	10036	1
807	1	2653	0	4499	1	6345	1	8191	0	10037	0
808	1	2654	1	4500	0	6346	1	8192	0	10038	0
809	1	2655	1	4501	1	6347	0	8193	1	10039	1
810	0	2656	0	4502	0	6348	1	8194	1	10040	1
811	1	2657	0	4503	0	6349	0	8195	0	10041	0
812	1	2658	1	4504	0	6350	1	8196	0	10042	1
813	0	2659	0	4505	0	6351	1	8197	1	10043	0
814	1	2660	1	4506	1	6352	1	8198	0	10044	0
815	0	2661	0	4507	1	6353	1	8199	0	10045	0
816	0	2662	0	4508	1	6354	0	8200	0	10046	0
817	1	2663	1	4509	0	6355	1	8201	0	10047	0
818	0	2664	0	4510	1	6356	0	8202	0	10048	1
819	1	2665	1	4511	0	6357	1	8203	0	10049	0
820	0	2666	0	4512	1	6358	1	8204	0	10050	0
821	0	2667	0	4513	1	6359	1	8205	0	10051	1
822	0	2668	0	4514	0	6360	0	8206	0	10052	0
823	1	2669	1	4515	0	6361	0	8207	1	10053	0
824	0	2670	0	4516	1	6362	1	8208	0	10054	1
825	1	2671	0	4517	1	6363	1	8209	0	10055	0
826	0	2672	0	4518	0	6364	0	8210	0	10056	0
827	0	2673	1	4519	1	6365	0	8211	0	10057	1
828	1	2674	1	4520	0	6366	1	8212	1	10058	1
829	1	2675	0	4521	0	6367	1	8213	0	10059	0
830	0	2676	1	4522	0	6368	1	8214	1	10060	0
831	1	2677	1	4523	1	6369	0	8215	1	10061	1
832	0	2678	0	4524	1	6370	0	8216	1	10062	1
833	0	2679	1	4525	0	6371	1	8217	1	10063	0
834	0	2680	1	4526	0	6372	0	8218	0	10064	1
835	1	2681	1	4527	1	6373	0	8219	1	10065	1
836	1	2682	0	4528	0	6374	0	8220	1	10066	0
837	1	2683	1	4529	0	6375	0	8221	1	10067	0
838	1	2684	1	4530	0	6376	0	8222	0	10068	0
839	1	2685	0	4531	1	6377	0	8223	0	10069	1
840	0	2686	0	4532	0	6378	1	8224	1	10070	1
841	0	2687	1	4533	0	6379	0	8225	1	10071	1
842	1	2688	1	4534	1	6380	1	8226	0	10072	0
843	0	2689	1	4535	0	6381	0	8227	0	10073	0
844	0	2690	1	4536	0	6382	0	8228	0	10074	1
845	1	2691	1	4537	0	6383	0	8229	1	10075	1

846	1	2692	1	4538	1	6384	1	8230	0	10076	1
847	0	2693	1	4539	1	6385	1	8231	1	10077	0
848	1	2694	1	4540	1	6386	1	8232	1	10078	1
849	1	2695	1	4541	0	6387	1	8233	1	10079	1
850	1	2696	0	4542	0	6388	1	8234	1	10080	0
851	0	2697	0	4543	1	6389	0	8235	1	10081	0
852	0	2698	1	4544	1	6390	0	8236	1	10082	0
853	1	2699	0	4545	1	6391	1	8237	0	10083	1
854	0	2700	1	4546	1	6392	0	8238	1	10084	1
855	0	2701	1	4547	0	6393	1	8239	1	10085	1
856	0	2702	0	4548	0	6394	0	8240	0	10086	0
857	0	2703	0	4549	1	6395	0	8241	0	10087	0
858	0	2704	1	4550	1	6396	0	8242	1	10088	0
859	1	2705	1	4551	0	6397	0	8243	0	10089	0
860	0	2706	0	4552	0	6398	1	8244	1	10090	1
861	1	2707	1	4553	0	6399	0	8245	1	10091	1
862	0	2708	1	4554	1	6400	1	8246	0	10092	0
863	1	2709	0	4555	1	6401	1	8247	1	10093	1
864	1	2710	0	4556	0	6402	1	8248	1	10094	1
865	1	2711	0	4557	1	6403	1	8249	0	10095	0
866	0	2712	1	4558	0	6404	0	8250	1	10096	0
867	0	2713	0	4559	0	6405	0	8251	0	10097	0
868	0	2714	0	4560	0	6406	0	8252	0	10098	1
869	1	2715	0	4561	1	6407	0	8253	1	10099	1
870	0	2716	1	4562	1	6408	1	8254	1	10100	0
871	0	2717	0	4563	1	6409	1	8255	0	10101	0
872	0	2718	0	4564	1	6410	1	8256	0	10102	1
873	0	2719	0	4565	1	6411	0	8257	0	10103	0
874	1	2720	0	4566	1	6412	0	8258	1	10104	0
875	0	2721	1	4567	1	6413	0	8259	0	10105	1
876	0	2722	0	4568	0	6414	1	8260	0	10106	1
877	1	2723	1	4569	0	6415	1	8261	1	10107	1
878	1	2724	0	4570	1	6416	0	8262	0	10108	0
879	1	2725	1	4571	1	6417	0	8263	0	10109	0
880	0	2726	1	4572	1	6418	1	8264	0	10110	0
881	0	2727	0	4573	1	6419	0	8265	1	10111	1
882	0	2728	0	4574	1	6420	1	8266	1	10112	1
883	0	2729	0	4575	0	6421	1	8267	0	10113	1
884	1	2730	0	4576	0	6422	0	8268	0	10114	1
885	0	2731	1	4577	1	6423	1	8269	0	10115	0
886	0	2732	1	4578	1	6424	1	8270	1	10116	1
887	1	2733	0	4579	0	6425	1	8271	0	10117	1
888	0	2734	1	4580	0	6426	1	8272	1	10118	0
889	1	2735	1	4581	1	6427	0	8273	0	10119	1

890	1	2736	1	4582	1	6428	0	8274	0	10120	1
891	0	2737	0	4583	0	6429	0	8275	0	10121	0
892	0	2738	1	4584	0	6430	0	8276	0	10122	1
893	1	2739	0	4585	0	6431	1	8277	1	10123	1
894	1	2740	0	4586	0	6432	1	8278	0	10124	0
895	1	2741	0	4587	0	6433	0	8279	0	10125	0
896	1	2742	1	4588	0	6434	0	8280	0	10126	0
897	0	2743	1	4589	1	6435	1	8281	1	10127	1
898	0	2744	0	4590	0	6436	1	8282	0	10128	1
899	1	2745	1	4591	0	6437	0	8283	0	10129	0
900	1	2746	0	4592	0	6438	0	8284	0	10130	0
901	1	2747	0	4593	0	6439	1	8285	0	10131	1
902	0	2748	1	4594	0	6440	1	8286	1	10132	1
903	1	2749	1	4595	0	6441	1	8287	1	10133	1
904	1	2750	1	4596	1	6442	0	8288	1	10134	0
905	0	2751	0	4597	0	6443	1	8289	1	10135	0
906	0	2752	0	4598	1	6444	0	8290	1	10136	0
907	0	2753	1	4599	1	6445	0	8291	1	10137	0
908	1	2754	1	4600	0	6446	1	8292	0	10138	0
909	0	2755	1	4601	1	6447	0	8293	0	10139	1
910	0	2756	1	4602	0	6448	0	8294	0	10140	0
911	0	2757	0	4603	0	6449	0	8295	1	10141	1
912	0	2758	1	4604	1	6450	1	8296	1	10142	1
913	0	2759	0	4605	1	6451	0	8297	1	10143	1
914	0	2760	1	4606	1	6452	1	8298	1	10144	0
915	0	2761	1	4607	1	6453	0	8299	0	10145	0
916	1	2762	1	4608	0	6454	0	8300	0	10146	1
917	0	2763	0	4609	0	6455	0	8301	0	10147	1
918	1	2764	0	4610	0	6456	0	8302	1	10148	0
919	0	2765	1	4611	1	6457	0	8303	0	10149	0
920	0	2766	0	4612	0	6458	0	8304	1	10150	0
921	1	2767	1	4613	0	6459	0	8305	0	10151	1
922	1	2768	0	4614	1	6460	1	8306	0	10152	1
923	0	2769	0	4615	0	6461	0	8307	0	10153	1
924	1	2770	1	4616	0	6462	1	8308	0	10154	1
925	1	2771	0	4617	1	6463	1	8309	1	10155	0
926	1	2772	0	4618	1	6464	1	8310	1	10156	0
927	0	2773	0	4619	0	6465	1	8311	0	10157	1
928	0	2774	0	4620	0	6466	0	8312	1	10158	1
929	1	2775	0	4621	1	6467	1	8313	0	10159	0
930	1	2776	1	4622	0	6468	0	8314	0	10160	1
931	1	2777	1	4623	1	6469	1	8315	0	10161	0
932	0	2778	1	4624	1	6470	1	8316	0	10162	1
933	1	2779	0	4625	0	6471	1	8317	0	10163	1

934	0	2780	1	4626	1	6472	1	8318	1	10164	0
935	0	2781	1	4627	0	6473	0	8319	0	10165	0
936	1	2782	1	4628	1	6474	0	8320	0	10166	1
937	0	2783	0	4629	1	6475	0	8321	0	10167	0
938	0	2784	1	4630	0	6476	1	8322	0	10168	1
939	0	2785	0	4631	1	6477	0	8323	0	10169	0
940	1	2786	0	4632	0	6478	1	8324	0	10170	0
941	0	2787	1	4633	1	6479	0	8325	1	10171	1
942	1	2788	1	4634	0	6480	0	8326	1	10172	0
943	0	2789	0	4635	1	6481	1	8327	1	10173	1
944	1	2790	0	4636	1	6482	1	8328	0	10174	1
945	0	2791	0	4637	0	6483	1	8329	1	10175	1
946	0	2792	0	4638	1	6484	1	8330	1	10176	1
947	0	2793	1	4639	0	6485	1	8331	0	10177	1
948	0	2794	1	4640	0	6486	0	8332	0	10178	0
949	0	2795	1	4641	1	6487	1	8333	0	10179	0
950	0	2796	1	4642	1	6488	0	8334	1	10180	1
951	0	2797	1	4643	1	6489	0	8335	1	10181	0
952	0	2798	0	4644	1	6490	0	8336	0	10182	1
953	0	2799	0	4645	1	6491	1	8337	1	10183	1
954	1	2800	0	4646	1	6492	0	8338	0	10184	1
955	1	2801	1	4647	0	6493	0	8339	1	10185	1
956	0	2802	1	4648	0	6494	0	8340	1	10186	1
957	0	2803	0	4649	0	6495	1	8341	1	10187	1
958	1	2804	1	4650	0	6496	0	8342	0	10188	1
959	0	2805	1	4651	1	6497	0	8343	1	10189	1
960	0	2806	0	4652	1	6498	0	8344	0	10190	1
961	0	2807	1	4653	0	6499	1	8345	0	10191	1
962	1	2808	1	4654	1	6500	0	8346	1	10192	1
963	0	2809	0	4655	1	6501	1	8347	1	10193	0
964	0	2810	0	4656	1	6502	0	8348	0	10194	1
965	0	2811	1	4657	1	6503	0	8349	1	10195	0
966	0	2812	1	4658	1	6504	0	8350	1	10196	1
967	0	2813	0	4659	0	6505	0	8351	0	10197	0
968	0	2814	0	4660	0	6506	0	8352	1	10198	0
969	1	2815	0	4661	1	6507	1	8353	1	10199	1
970	0	2816	1	4662	0	6508	1	8354	1	10200	0
971	0	2817	1	4663	1	6509	0	8355	1	10201	1
972	1	2818	0	4664	1	6510	1	8356	1	10202	1
973	0	2819	0	4665	1	6511	1	8357	1	10203	0
974	0	2820	0	4666	1	6512	0	8358	1	10204	1
975	0	2821	0	4667	0	6513	0	8359	0	10205	0
976	0	2822	0	4668	0	6514	0	8360	0	10206	1
977	0	2823	0	4669	1	6515	1	8361	0	10207	0

978	1	2824	0	4670	0	6516	0	8362	0	10208	1
979	1	2825	1	4671	0	6517	1	8363	1	10209	0
980	1	2826	0	4672	0	6518	0	8364	1	10210	1
981	1	2827	1	4673	1	6519	1	8365	0	10211	1
982	1	2828	0	4674	0	6520	0	8366	1	10212	1
983	1	2829	1	4675	0	6521	1	8367	1	10213	0
984	1	2830	1	4676	1	6522	0	8368	0	10214	1
985	1	2831	0	4677	0	6523	0	8369	0	10215	0
986	1	2832	0	4678	0	6524	0	8370	1	10216	0
987	0	2833	1	4679	0	6525	1	8371	1	10217	0
988	1	2834	0	4680	0	6526	1	8372	1	10218	1
989	1	2835	0	4681	0	6527	0	8373	0	10219	0
990	1	2836	1	4682	1	6528	0	8374	0	10220	1
991	1	2837	0	4683	0	6529	0	8375	1	10221	0
992	1	2838	0	4684	1	6530	0	8376	1	10222	0
993	0	2839	1	4685	1	6531	0	8377	0	10223	1
994	1	2840	0	4686	1	6532	1	8378	0	10224	0
995	1	2841	1	4687	1	6533	0	8379	0	10225	0
996	1	2842	1	4688	0	6534	1	8380	1	10226	0
997	1	2843	0	4689	0	6535	1	8381	0	10227	1
998	1	2844	0	4690	0	6536	0	8382	1	10228	0
999	1	2845	1	4691	0	6537	0	8383	1	10229	1
1000	1	2846	1	4692	0	6538	1	8384	1	10230	1
1001	0	2847	0	4693	0	6539	1	8385	0	10231	0
1002	0	2848	0	4694	0	6540	0	8386	0	10232	1
1003	1	2849	1	4695	0	6541	1	8387	1	10233	1
1004	1	2850	0	4696	1	6542	0	8388	0	10234	0
1005	0	2851	1	4697	1	6543	0	8389	1	10235	1
1006	1	2852	1	4698	0	6544	1	8390	1	10236	1
1007	1	2853	0	4699	0	6545	0	8391	1	10237	1
1008	0	2854	1	4700	0	6546	1	8392	0	10238	0
1009	0	2855	0	4701	1	6547	1	8393	1	10239	1
1010	1	2856	0	4702	1	6548	0	8394	0	10240	0
1011	1	2857	0	4703	0	6549	0	8395	0	10241	0
1012	0	2858	1	4704	1	6550	1	8396	1	10242	0
1013	1	2859	0	4705	1	6551	1	8397	1	10243	0
1014	0	2860	1	4706	0	6552	1	8398	1	10244	1
1015	0	2861	1	4707	1	6553	1	8399	1	10245	1
1016	1	2862	0	4708	0	6554	1	8400	1	10246	0
1017	1	2863	1	4709	1	6555	0	8401	1	10247	1
1018	0	2864	0	4710	1	6556	1	8402	0	10248	1
1019	1	2865	0	4711	0	6557	0	8403	0	10249	1
1020	0	2866	1	4712	0	6558	0	8404	0	10250	0
1021	1	2867	1	4713	1	6559	1	8405	0	10251	0

1022	0	2868	0	4714	0	6560	1	8406	1	10252	0
1023	1	2869	0	4715	1	6561	0	8407	0	10253	0
1024	1	2870	1	4716	0	6562	1	8408	0	10254	1
1025	0	2871	1	4717	1	6563	1	8409	0	10255	0
1026	0	2872	1	4718	1	6564	1	8410	1	10256	1
1027	0	2873	0	4719	1	6565	1	8411	0	10257	1
1028	1	2874	1	4720	1	6566	0	8412	1	10258	1
1029	0	2875	1	4721	1	6567	0	8413	0	10259	0
1030	1	2876	1	4722	1	6568	1	8414	0	10260	1
1031	0	2877	1	4723	1	6569	1	8415	1	10261	1
1032	0	2878	0	4724	1	6570	1	8416	0	10262	0
1033	0	2879	1	4725	1	6571	0	8417	0	10263	1
1034	0	2880	1	4726	1	6572	1	8418	1	10264	1
1035	0	2881	0	4727	1	6573	1	8419	0	10265	0
1036	1	2882	0	4728	0	6574	1	8420	1	10266	0
1037	1	2883	0	4729	0	6575	0	8421	0	10267	0
1038	0	2884	1	4730	1	6576	0	8422	0	10268	1
1039	0	2885	0	4731	0	6577	0	8423	0	10269	0
1040	1	2886	1	4732	0	6578	1	8424	0	10270	1
1041	0	2887	0	4733	0	6579	1	8425	0	10271	1
1042	0	2888	0	4734	1	6580	0	8426	0	10272	1
1043	0	2889	0	4735	0	6581	0	8427	1	10273	0
1044	1	2890	1	4736	0	6582	1	8428	1	10274	0
1045	0	2891	0	4737	0	6583	0	8429	1	10275	0
1046	1	2892	1	4738	1	6584	0	8430	0	10276	1
1047	0	2893	0	4739	1	6585	0	8431	1	10277	1
1048	0	2894	0	4740	0	6586	0	8432	1	10278	0
1049	0	2895	1	4741	0	6587	0	8433	1	10279	1
1050	1	2896	0	4742	1	6588	1	8434	1	10280	0
1051	0	2897	0	4743	0	6589	1	8435	0	10281	1
1052	1	2898	0	4744	1	6590	1	8436	0	10282	1
1053	0	2899	0	4745	0	6591	1	8437	0	10283	0
1054	0	2900	0	4746	1	6592	0	8438	1	10284	1
1055	1	2901	0	4747	1	6593	0	8439	0	10285	0
1056	0	2902	1	4748	0	6594	1	8440	0	10286	1
1057	0	2903	0	4749	0	6595	1	8441	1	10287	1
1058	0	2904	0	4750	0	6596	1	8442	0	10288	1
1059	1	2905	0	4751	1	6597	1	8443	1	10289	0
1060	1	2906	1	4752	1	6598	1	8444	1	10290	1
1061	0	2907	0	4753	0	6599	0	8445	0	10291	0
1062	1	2908	1	4754	1	6600	1	8446	0	10292	1
1063	0	2909	1	4755	0	6601	1	8447	1	10293	1
1064	0	2910	1	4756	1	6602	0	8448	0	10294	1
1065	1	2911	0	4757	1	6603	1	8449	0	10295	1

1066	1	2912	1	4758	0	6604	1	8450	0	10296	1
1067	0	2913	1	4759	0	6605	0	8451	0	10297	1
1068	0	2914	1	4760	0	6606	0	8452	0	10298	1
1069	0	2915	0	4761	0	6607	0	8453	0	10299	0
1070	0	2916	1	4762	1	6608	1	8454	0	10300	0
1071	1	2917	1	4763	0	6609	1	8455	0	10301	1
1072	1	2918	1	4764	0	6610	1	8456	0	10302	0
1073	0	2919	0	4765	1	6611	1	8457	0	10303	0
1074	1	2920	1	4766	0	6612	1	8458	0	10304	0
1075	0	2921	1	4767	1	6613	1	8459	0	10305	1
1076	0	2922	0	4768	1	6614	0	8460	1	10306	0
1077	0	2923	0	4769	0	6615	1	8461	1	10307	1
1078	0	2924	1	4770	1	6616	1	8462	0	10308	0
1079	0	2925	1	4771	0	6617	1	8463	1	10309	1
1080	0	2926	0	4772	0	6618	0	8464	0	10310	1
1081	0	2927	1	4773	0	6619	1	8465	0	10311	0
1082	0	2928	1	4774	1	6620	0	8466	0	10312	1
1083	0	2929	1	4775	1	6621	1	8467	1	10313	1
1084	1	2930	1	4776	0	6622	1	8468	1	10314	0
1085	0	2931	1	4777	1	6623	0	8469	0	10315	0
1086	0	2932	0	4778	0	6624	1	8470	1	10316	1
1087	1	2933	0	4779	1	6625	0	8471	0	10317	0
1088	0	2934	1	4780	1	6626	0	8472	1	10318	0
1089	0	2935	0	4781	1	6627	0	8473	0	10319	0
1090	0	2936	0	4782	0	6628	1	8474	0	10320	1
1091	0	2937	0	4783	0	6629	0	8475	1	10321	1
1092	0	2938	0	4784	1	6630	0	8476	1	10322	1
1093	1	2939	0	4785	1	6631	1	8477	0	10323	1
1094	1	2940	1	4786	0	6632	0	8478	0	10324	0
1095	0	2941	1	4787	1	6633	0	8479	1	10325	1
1096	0	2942	1	4788	0	6634	0	8480	1	10326	1
1097	1	2943	1	4789	0	6635	0	8481	1	10327	0
1098	1	2944	1	4790	1	6636	0	8482	1	10328	1
1099	1	2945	1	4791	1	6637	0	8483	1	10329	0
1100	1	2946	0	4792	0	6638	0	8484	0	10330	0
1101	0	2947	0	4793	0	6639	0	8485	0	10331	1
1102	1	2948	0	4794	0	6640	1	8486	1	10332	1
1103	1	2949	1	4795	0	6641	0	8487	0	10333	0
1104	0	2950	0	4796	1	6642	0	8488	1	10334	1
1105	1	2951	1	4797	1	6643	0	8489	0	10335	0
1106	0	2952	1	4798	1	6644	1	8490	1	10336	1
1107	1	2953	0	4799	0	6645	1	8491	1	10337	1
1108	0	2954	1	4800	1	6646	1	8492	0	10338	0
1109	0	2955	1	4801	0	6647	1	8493	1	10339	1

1110	0	2956	0	4802	0	6648	1	8494	1	10340	0
1111	1	2957	1	4803	0	6649	0	8495	0	10341	1
1112	1	2958	0	4804	0	6650	1	8496	0	10342	1
1113	1	2959	1	4805	0	6651	0	8497	0	10343	1
1114	0	2960	0	4806	0	6652	0	8498	1	10344	0
1115	0	2961	0	4807	0	6653	1	8499	1	10345	1
1116	1	2962	0	4808	0	6654	0	8500	0	10346	1
1117	0	2963	1	4809	1	6655	1	8501	1	10347	1
1118	1	2964	0	4810	1	6656	0	8502	0	10348	0
1119	1	2965	1	4811	0	6657	0	8503	0	10349	0
1120	0	2966	0	4812	0	6658	0	8504	1	10350	1
1121	0	2967	1	4813	0	6659	1	8505	1	10351	0
1122	1	2968	1	4814	1	6660	0	8506	0	10352	0
1123	1	2969	1	4815	1	6661	0	8507	1	10353	1
1124	0	2970	0	4816	1	6662	0	8508	1	10354	0
1125	0	2971	0	4817	1	6663	1	8509	1	10355	1
1126	1	2972	1	4818	0	6664	1	8510	1	10356	1
1127	0	2973	0	4819	1	6665	1	8511	1	10357	1
1128	1	2974	1	4820	0	6666	0	8512	0	10358	0
1129	1	2975	1	4821	0	6667	1	8513	1	10359	0
1130	0	2976	1	4822	0	6668	0	8514	0	10360	1
1131	0	2977	1	4823	0	6669	1	8515	1	10361	1
1132	0	2978	0	4824	1	6670	1	8516	1	10362	1
1133	0	2979	0	4825	0	6671	1	8517	0	10363	1
1134	0	2980	1	4826	0	6672	0	8518	1	10364	0
1135	0	2981	1	4827	0	6673	1	8519	0	10365	1
1136	0	2982	0	4828	1	6674	0	8520	0	10366	0
1137	0	2983	0	4829	1	6675	0	8521	1	10367	0
1138	0	2984	1	4830	0	6676	1	8522	1	10368	1
1139	0	2985	1	4831	1	6677	0	8523	0	10369	1
1140	1	2986	0	4832	0	6678	1	8524	1	10370	0
1141	0	2987	0	4833	0	6679	1	8525	0	10371	0
1142	0	2988	0	4834	0	6680	0	8526	0	10372	1
1143	0	2989	1	4835	1	6681	0	8527	1	10373	0
1144	1	2990	1	4836	0	6682	0	8528	0	10374	0
1145	1	2991	1	4837	1	6683	1	8529	1	10375	1
1146	0	2992	0	4838	1	6684	0	8530	0	10376	0
1147	0	2993	0	4839	1	6685	1	8531	1	10377	0
1148	0	2994	1	4840	1	6686	1	8532	1	10378	0
1149	0	2995	0	4841	1	6687	1	8533	1	10379	1
1150	0	2996	0	4842	0	6688	1	8534	1	10380	0
1151	1	2997	0	4843	1	6689	1	8535	1	10381	1
1152	0	2998	0	4844	1	6690	1	8536	0	10382	1
1153	0	2999	0	4845	0	6691	1	8537	0	10383	1

1154	1	3000	0	4846	1	6692	0	8538	1	10384	0
1155	1	3001	0	4847	1	6693	1	8539	1	10385	1
1156	1	3002	0	4848	0	6694	1	8540	1	10386	0
1157	0	3003	1	4849	1	6695	0	8541	0	10387	1
1158	1	3004	1	4850	1	6696	1	8542	0	10388	1
1159	0	3005	0	4851	1	6697	1	8543	1	10389	0
1160	1	3006	0	4852	1	6698	1	8544	0	10390	0
1161	1	3007	0	4853	0	6699	1	8545	0	10391	1
1162	1	3008	1	4854	1	6700	0	8546	1	10392	0
1163	1	3009	1	4855	0	6701	1	8547	0	10393	1
1164	0	3010	0	4856	1	6702	1	8548	1	10394	1
1165	1	3011	1	4857	1	6703	0	8549	1	10395	0
1166	0	3012	1	4858	1	6704	0	8550	0	10396	1
1167	0	3013	0	4859	0	6705	1	8551	0	10397	1
1168	0	3014	0	4860	0	6706	0	8552	1	10398	1
1169	1	3015	1	4861	1	6707	0	8553	1	10399	1
1170	1	3016	0	4862	0	6708	1	8554	1	10400	0
1171	0	3017	0	4863	0	6709	1	8555	0	10401	0
1172	1	3018	0	4864	1	6710	1	8556	0	10402	0
1173	0	3019	0	4865	0	6711	0	8557	1	10403	1
1174	0	3020	1	4866	0	6712	1	8558	0	10404	1
1175	1	3021	0	4867	1	6713	0	8559	0	10405	1
1176	1	3022	0	4868	0	6714	0	8560	0	10406	0
1177	1	3023	1	4869	0	6715	1	8561	1	10407	1
1178	1	3024	0	4870	0	6716	1	8562	0	10408	1
1179	0	3025	1	4871	0	6717	1	8563	0	10409	1
1180	0	3026	0	4872	0	6718	1	8564	0	10410	1
1181	1	3027	1	4873	0	6719	0	8565	1	10411	1
1182	1	3028	1	4874	0	6720	0	8566	0	10412	0
1183	0	3029	0	4875	1	6721	0	8567	0	10413	0
1184	1	3030	0	4876	0	6722	0	8568	0	10414	1
1185	1	3031	0	4877	1	6723	1	8569	0	10415	1
1186	1	3032	1	4878	0	6724	1	8570	0	10416	0
1187	0	3033	0	4879	1	6725	0	8571	0	10417	1
1188	1	3034	1	4880	0	6726	0	8572	0	10418	0
1189	0	3035	1	4881	0	6727	1	8573	1	10419	0
1190	1	3036	1	4882	0	6728	0	8574	1	10420	0
1191	0	3037	0	4883	1	6729	1	8575	1	10421	1
1192	0	3038	0	4884	0	6730	0	8576	1	10422	1
1193	1	3039	1	4885	1	6731	0	8577	1	10423	1
1194	0	3040	0	4886	0	6732	0	8578	1	10424	1
1195	0	3041	1	4887	0	6733	0	8579	0	10425	0
1196	1	3042	1	4888	0	6734	1	8580	1	10426	0
1197	0	3043	1	4889	0	6735	1	8581	0	10427	1

1198	0	3044	0	4890	0	6736	1	8582	0	10428	1
1199	0	3045	0	4891	0	6737	1	8583	1	10429	0
1200	1	3046	1	4892	0	6738	1	8584	0	10430	1
1201	0	3047	0	4893	1	6739	1	8585	1	10431	0
1202	1	3048	1	4894	0	6740	0	8586	0	10432	1
1203	0	3049	1	4895	0	6741	1	8587	0	10433	0
1204	0	3050	1	4896	1	6742	0	8588	0	10434	1
1205	0	3051	1	4897	0	6743	1	8589	1	10435	0
1206	1	3052	1	4898	0	6744	1	8590	1	10436	1
1207	0	3053	0	4899	1	6745	1	8591	0	10437	0
1208	0	3054	1	4900	0	6746	1	8592	0	10438	1
1209	0	3055	0	4901	0	6747	1	8593	0	10439	0
1210	0	3056	1	4902	1	6748	1	8594	1	10440	1
1211	1	3057	0	4903	1	6749	0	8595	1	10441	1
1212	1	3058	0	4904	0	6750	1	8596	0	10442	1
1213	0	3059	0	4905	0	6751	0	8597	0	10443	0
1214	1	3060	0	4906	1	6752	0	8598	0	10444	1
1215	0	3061	0	4907	1	6753	0	8599	0	10445	1
1216	1	3062	0	4908	1	6754	1	8600	0	10446	0
1217	1	3063	0	4909	1	6755	0	8601	0	10447	1
1218	1	3064	1	4910	0	6756	1	8602	0	10448	0
1219	0	3065	0	4911	0	6757	1	8603	0	10449	0
1220	0	3066	0	4912	0	6758	1	8604	1	10450	1
1221	1	3067	1	4913	0	6759	0	8605	0	10451	1
1222	1	3068	1	4914	1	6760	1	8606	1	10452	1
1223	0	3069	1	4915	1	6761	1	8607	1	10453	0
1224	1	3070	1	4916	1	6762	1	8608	1	10454	1
1225	0	3071	0	4917	1	6763	0	8609	1	10455	0
1226	0	3072	1	4918	1	6764	0	8610	0	10456	0
1227	1	3073	0	4919	1	6765	1	8611	1	10457	0
1228	0	3074	0	4920	0	6766	0	8612	1	10458	0
1229	1	3075	0	4921	0	6767	1	8613	1	10459	0
1230	1	3076	1	4922	0	6768	0	8614	0	10460	1
1231	0	3077	0	4923	0	6769	0	8615	1	10461	0
1232	1	3078	0	4924	0	6770	1	8616	1	10462	1
1233	0	3079	1	4925	1	6771	1	8617	1	10463	1
1234	1	3080	0	4926	0	6772	1	8618	1	10464	1
1235	0	3081	0	4927	0	6773	0	8619	1	10465	0
1236	1	3082	1	4928	1	6774	1	8620	1	10466	1
1237	0	3083	1	4929	0	6775	0	8621	1	10467	0
1238	1	3084	1	4930	0	6776	1	8622	0	10468	1
1239	1	3085	1	4931	0	6777	1	8623	0	10469	1
1240	0	3086	0	4932	0	6778	0	8624	1	10470	1
1241	1	3087	1	4933	1	6779	1	8625	1	10471	1

1242	0	3088	1	4934	0	6780	0	8626	0	10472	1
1243	1	3089	1	4935	0	6781	0	8627	0	10473	1
1244	1	3090	0	4936	0	6782	0	8628	0	10474	0
1245	1	3091	0	4937	1	6783	1	8629	1	10475	0
1246	0	3092	0	4938	0	6784	1	8630	0	10476	0
1247	1	3093	1	4939	0	6785	0	8631	1	10477	1
1248	0	3094	1	4940	1	6786	0	8632	0	10478	0
1249	1	3095	0	4941	0	6787	1	8633	0	10479	0
1250	0	3096	1	4942	0	6788	1	8634	1	10480	1
1251	0	3097	1	4943	0	6789	1	8635	1	10481	1
1252	0	3098	0	4944	0	6790	0	8636	1	10482	0
1253	0	3099	1	4945	0	6791	0	8637	1	10483	1
1254	1	3100	0	4946	1	6792	1	8638	0	10484	1
1255	1	3101	0	4947	0	6793	1	8639	0	10485	1
1256	1	3102	1	4948	1	6794	1	8640	0	10486	1
1257	0	3103	0	4949	0	6795	1	8641	0	10487	0
1258	1	3104	0	4950	1	6796	1	8642	0	10488	0
1259	1	3105	0	4951	1	6797	0	8643	0	10489	0
1260	0	3106	0	4952	1	6798	0	8644	0	10490	1
1261	0	3107	0	4953	0	6799	1	8645	1	10491	1
1262	0	3108	1	4954	0	6800	1	8646	1	10492	0
1263	1	3109	0	4955	1	6801	1	8647	1	10493	1
1264	0	3110	1	4956	0	6802	0	8648	1	10494	1
1265	1	3111	0	4957	1	6803	0	8649	1	10495	0
1266	1	3112	0	4958	1	6804	1	8650	0	10496	0
1267	0	3113	0	4959	0	6805	1	8651	0	10497	0
1268	1	3114	1	4960	1	6806	1	8652	1	10498	0
1269	1	3115	0	4961	0	6807	1	8653	1	10499	0
1270	0	3116	0	4962	1	6808	0	8654	1	10500	0
1271	0	3117	0	4963	1	6809	1	8655	0	10501	1
1272	1	3118	0	4964	0	6810	1	8656	0	10502	0
1273	1	3119	0	4965	0	6811	1	8657	1	10503	0
1274	0	3120	1	4966	1	6812	0	8658	1	10504	1
1275	0	3121	1	4967	0	6813	0	8659	1	10505	1
1276	1	3122	1	4968	1	6814	1	8660	0	10506	1
1277	0	3123	0	4969	0	6815	1	8661	1	10507	1
1278	1	3124	0	4970	0	6816	1	8662	1	10508	1
1279	0	3125	1	4971	0	6817	1	8663	0	10509	1
1280	0	3126	0	4972	1	6818	0	8664	0	10510	1
1281	1	3127	1	4973	0	6819	0	8665	1	10511	0
1282	0	3128	1	4974	1	6820	1	8666	0	10512	1
1283	1	3129	0	4975	0	6821	0	8667	1	10513	1
1284	1	3130	0	4976	1	6822	0	8668	1	10514	1
1285	1	3131	1	4977	1	6823	0	8669	0	10515	0

1286	0	3132	0	4978	0	6824	0	8670	1	10516	0
1287	1	3133	1	4979	1	6825	0	8671	0	10517	1
1288	0	3134	0	4980	0	6826	0	8672	1	10518	0
1289	0	3135	1	4981	0	6827	1	8673	0	10519	1
1290	0	3136	0	4982	0	6828	1	8674	0	10520	1
1291	0	3137	0	4983	0	6829	0	8675	1	10521	0
1292	0	3138	0	4984	1	6830	0	8676	0	10522	1
1293	0	3139	1	4985	0	6831	0	8677	0	10523	1
1294	1	3140	1	4986	1	6832	1	8678	0	10524	1
1295	1	3141	1	4987	0	6833	1	8679	1	10525	1
1296	0	3142	1	4988	1	6834	0	8680	0	10526	0
1297	1	3143	1	4989	0	6835	1	8681	1	10527	1
1298	1	3144	0	4990	1	6836	0	8682	0	10528	1
1299	1	3145	0	4991	0	6837	0	8683	1	10529	0
1300	1	3146	1	4992	0	6838	0	8684	1	10530	1
1301	0	3147	0	4993	0	6839	0	8685	0	10531	1
1302	1	3148	1	4994	0	6840	0	8686	1	10532	0
1303	0	3149	0	4995	1	6841	1	8687	0	10533	0
1304	0	3150	1	4996	0	6842	0	8688	0	10534	0
1305	1	3151	0	4997	0	6843	1	8689	1	10535	0
1306	0	3152	0	4998	0	6844	0	8690	1	10536	1
1307	0	3153	0	4999	0	6845	0	8691	0	10537	0
1308	1	3154	0	5000	0	6846	0	8692	1	10538	1
1309	1	3155	0	5001	0	6847	1	8693	0	10539	1
1310	0	3156	1	5002	1	6848	0	8694	0	10540	0
1311	1	3157	0	5003	1	6849	1	8695	1	10541	0
1312	0	3158	0	5004	1	6850	1	8696	1	10542	1
1313	1	3159	1	5005	0	6851	0	8697	1	10543	1
1314	0	3160	1	5006	0	6852	1	8698	1	10544	1
1315	1	3161	0	5007	1	6853	0	8699	0	10545	1
1316	1	3162	0	5008	0	6854	1	8700	0	10546	1
1317	1	3163	0	5009	0	6855	1	8701	0	10547	0
1318	1	3164	0	5010	1	6856	0	8702	0	10548	1
1319	0	3165	1	5011	1	6857	1	8703	1	10549	1
1320	0	3166	0	5012	0	6858	1	8704	0	10550	1
1321	1	3167	1	5013	0	6859	0	8705	1	10551	0
1322	0	3168	1	5014	1	6860	1	8706	1	10552	1
1323	0	3169	1	5015	0	6861	1	8707	0	10553	1
1324	1	3170	1	5016	1	6862	1	8708	0	10554	1
1325	1	3171	1	5017	0	6863	0	8709	0	10555	1
1326	1	3172	1	5018	1	6864	1	8710	0	10556	1
1327	1	3173	1	5019	1	6865	0	8711	1	10557	1
1328	1	3174	0	5020	1	6866	1	8712	1	10558	0
1329	1	3175	1	5021	0	6867	1	8713	0	10559	1

1330	1	3176	1	5022	1	6868	1	8714	0	10560	0
1331	0	3177	1	5023	0	6869	1	8715	1	10561	0
1332	1	3178	1	5024	0	6870	0	8716	1	10562	1
1333	1	3179	1	5025	1	6871	0	8717	1	10563	0
1334	0	3180	1	5026	1	6872	0	8718	0	10564	1
1335	0	3181	1	5027	1	6873	0	8719	1	10565	1
1336	0	3182	1	5028	1	6874	0	8720	1	10566	0
1337	0	3183	1	5029	1	6875	0	8721	0	10567	1
1338	0	3184	1	5030	1	6876	1	8722	1	10568	0
1339	1	3185	1	5031	1	6877	1	8723	1	10569	0
1340	1	3186	1	5032	0	6878	0	8724	1	10570	1
1341	1	3187	0	5033	1	6879	1	8725	1	10571	0
1342	1	3188	1	5034	1	6880	1	8726	0	10572	0
1343	1	3189	1	5035	1	6881	1	8727	0	10573	1
1344	0	3190	0	5036	1	6882	0	8728	0	10574	0
1345	1	3191	1	5037	1	6883	0	8729	0	10575	1
1346	1	3192	0	5038	1	6884	0	8730	0	10576	1
1347	0	3193	0	5039	1	6885	1	8731	0	10577	1
1348	0	3194	0	5040	1	6886	0	8732	0	10578	1
1349	1	3195	1	5041	0	6887	1	8733	1	10579	1
1350	0	3196	1	5042	1	6888	1	8734	1	10580	0
1351	1	3197	1	5043	0	6889	0	8735	1	10581	1
1352	1	3198	1	5044	1	6890	0	8736	1	10582	0
1353	0	3199	1	5045	1	6891	1	8737	0	10583	1
1354	0	3200	1	5046	0	6892	0	8738	0	10584	0
1355	1	3201	1	5047	0	6893	0	8739	1	10585	0
1356	1	3202	0	5048	1	6894	1	8740	1	10586	0
1357	0	3203	0	5049	0	6895	0	8741	0	10587	1
1358	0	3204	0	5050	0	6896	1	8742	1	10588	1
1359	1	3205	0	5051	1	6897	0	8743	1	10589	1
1360	0	3206	0	5052	0	6898	1	8744	1	10590	0
1361	0	3207	1	5053	1	6899	0	8745	0	10591	1
1362	0	3208	0	5054	0	6900	0	8746	0	10592	0
1363	1	3209	0	5055	1	6901	1	8747	0	10593	1
1364	0	3210	1	5056	1	6902	1	8748	0	10594	0
1365	0	3211	1	5057	1	6903	0	8749	0	10595	1
1366	1	3212	1	5058	1	6904	1	8750	1	10596	1
1367	0	3213	1	5059	1	6905	0	8751	0	10597	1
1368	1	3214	0	5060	0	6906	1	8752	0	10598	0
1369	1	3215	0	5061	0	6907	0	8753	1	10599	0
1370	0	3216	1	5062	0	6908	0	8754	1	10600	0
1371	1	3217	0	5063	1	6909	0	8755	0	10601	0
1372	1	3218	0	5064	0	6910	0	8756	0	10602	0
1373	0	3219	1	5065	0	6911	1	8757	1	10603	0

1374	1	3220	0	5066	0	6912	1	8758	0	10604	1
1375	0	3221	1	5067	0	6913	1	8759	0	10605	1
1376	1	3222	1	5068	1	6914	0	8760	1	10606	1
1377	0	3223	0	5069	1	6915	0	8761	1	10607	1
1378	0	3224	1	5070	0	6916	1	8762	0	10608	0
1379	0	3225	1	5071	1	6917	1	8763	1	10609	1
1380	1	3226	1	5072	1	6918	0	8764	0	10610	0
1381	0	3227	0	5073	1	6919	0	8765	0	10611	0
1382	0	3228	0	5074	1	6920	0	8766	1	10612	1
1383	0	3229	1	5075	1	6921	0	8767	0	10613	1
1384	0	3230	1	5076	1	6922	0	8768	0	10614	1
1385	0	3231	0	5077	1	6923	0	8769	0	10615	1
1386	0	3232	0	5078	1	6924	0	8770	1	10616	0
1387	0	3233	0	5079	0	6925	1	8771	1	10617	0
1388	1	3234	1	5080	1	6926	1	8772	1	10618	1
1389	0	3235	1	5081	0	6927	0	8773	0	10619	1
1390	0	3236	0	5082	0	6928	0	8774	1	10620	0
1391	0	3237	0	5083	1	6929	0	8775	0	10621	0
1392	1	3238	0	5084	0	6930	1	8776	1	10622	0
1393	0	3239	1	5085	0	6931	1	8777	0	10623	1
1394	1	3240	1	5086	0	6932	1	8778	0	10624	0
1395	1	3241	1	5087	0	6933	1	8779	1	10625	1
1396	0	3242	1	5088	1	6934	0	8780	1	10626	0
1397	1	3243	1	5089	0	6935	0	8781	0	10627	0
1398	0	3244	0	5090	1	6936	1	8782	0	10628	1
1399	0	3245	1	5091	1	6937	0	8783	0	10629	1
1400	0	3246	1	5092	1	6938	1	8784	0	10630	0
1401	0	3247	0	5093	1	6939	0	8785	0	10631	0
1402	1	3248	1	5094	1	6940	0	8786	1	10632	0
1403	0	3249	0	5095	1	6941	1	8787	0	10633	0
1404	1	3250	0	5096	0	6942	1	8788	1	10634	1
1405	1	3251	0	5097	0	6943	0	8789	1	10635	0
1406	1	3252	0	5098	0	6944	1	8790	1	10636	1
1407	1	3253	0	5099	1	6945	1	8791	0	10637	1
1408	0	3254	0	5100	1	6946	0	8792	1	10638	0
1409	0	3255	1	5101	0	6947	1	8793	1	10639	1
1410	1	3256	0	5102	0	6948	0	8794	0	10640	1
1411	0	3257	0	5103	0	6949	0	8795	0	10641	0
1412	0	3258	1	5104	0	6950	0	8796	1	10642	1
1413	0	3259	1	5105	0	6951	1	8797	0	10643	0
1414	1	3260	1	5106	0	6952	0	8798	0	10644	1
1415	0	3261	1	5107	1	6953	0	8799	1	10645	1
1416	0	3262	1	5108	1	6954	0	8800	0	10646	1
1417	0	3263	1	5109	0	6955	0	8801	0	10647	1

1418	1	3264	0	5110	1	6956	1	8802	1	10648	0
1419	1	3265	0	5111	0	6957	1	8803	0	10649	0
1420	0	3266	1	5112	1	6958	0	8804	0	10650	0
1421	0	3267	0	5113	0	6959	1	8805	1	10651	1
1422	0	3268	0	5114	1	6960	1	8806	0	10652	1
1423	0	3269	1	5115	1	6961	1	8807	0	10653	0
1424	0	3270	0	5116	1	6962	1	8808	1	10654	1
1425	0	3271	1	5117	1	6963	1	8809	0	10655	1
1426	1	3272	1	5118	1	6964	0	8810	0	10656	1
1427	1	3273	0	5119	0	6965	1	8811	0	10657	0
1428	1	3274	0	5120	1	6966	0	8812	0	10658	0
1429	1	3275	1	5121	0	6967	1	8813	0	10659	1
1430	0	3276	1	5122	0	6968	0	8814	1	10660	0
1431	1	3277	1	5123	0	6969	1	8815	1	10661	0
1432	1	3278	0	5124	0	6970	0	8816	0	10662	0
1433	0	3279	0	5125	1	6971	0	8817	1	10663	1
1434	0	3280	1	5126	0	6972	1	8818	0	10664	0
1435	0	3281	0	5127	0	6973	0	8819	0	10665	1
1436	1	3282	1	5128	0	6974	0	8820	1	10666	1
1437	0	3283	1	5129	0	6975	0	8821	1	10667	1
1438	0	3284	1	5130	1	6976	1	8822	0	10668	1
1439	1	3285	0	5131	0	6977	0	8823	0	10669	0
1440	0	3286	0	5132	1	6978	1	8824	0	10670	0
1441	1	3287	1	5133	1	6979	0	8825	1	10671	1
1442	0	3288	1	5134	0	6980	1	8826	0	10672	1
1443	1	3289	0	5135	1	6981	1	8827	1	10673	1
1444	1	3290	0	5136	0	6982	0	8828	0	10674	0
1445	1	3291	1	5137	1	6983	1	8829	1	10675	1
1446	1	3292	0	5138	1	6984	0	8830	1	10676	1
1447	1	3293	1	5139	1	6985	0	8831	1	10677	0
1448	0	3294	1	5140	0	6986	0	8832	0	10678	1
1449	1	3295	1	5141	1	6987	0	8833	0	10679	1
1450	1	3296	0	5142	1	6988	0	8834	0	10680	1
1451	1	3297	1	5143	0	6989	0	8835	0	10681	0
1452	0	3298	0	5144	0	6990	1	8836	0	10682	0
1453	1	3299	1	5145	1	6991	0	8837	1	10683	0
1454	0	3300	0	5146	0	6992	0	8838	1	10684	0
1455	0	3301	1	5147	1	6993	0	8839	0	10685	0
1456	0	3302	1	5148	0	6994	0	8840	0	10686	1
1457	0	3303	0	5149	0	6995	1	8841	1	10687	1
1458	1	3304	0	5150	0	6996	0	8842	0	10688	1
1459	1	3305	1	5151	1	6997	1	8843	1	10689	0
1460	1	3306	1	5152	1	6998	0	8844	1	10690	1
1461	1	3307	1	5153	1	6999	0	8845	1	10691	1

1462	0	3308	0	5154	0	7000	0	8846	0	10692	1
1463	1	3309	0	5155	0	7001	1	8847	0	10693	0
1464	0	3310	1	5156	0	7002	1	8848	1	10694	0
1465	0	3311	0	5157	0	7003	0	8849	0	10695	1
1466	0	3312	1	5158	1	7004	0	8850	0	10696	0
1467	1	3313	1	5159	0	7005	0	8851	1	10697	0
1468	1	3314	0	5160	1	7006	1	8852	1	10698	1
1469	1	3315	0	5161	1	7007	0	8853	0	10699	0
1470	0	3316	1	5162	1	7008	0	8854	1	10700	0
1471	1	3317	0	5163	0	7009	0	8855	1	10701	0
1472	1	3318	1	5164	0	7010	0	8856	1	10702	0
1473	1	3319	1	5165	1	7011	1	8857	0	10703	0
1474	1	3320	0	5166	1	7012	1	8858	1	10704	1
1475	0	3321	0	5167	1	7013	1	8859	1	10705	1
1476	1	3322	0	5168	0	7014	0	8860	1	10706	0
1477	0	3323	1	5169	0	7015	0	8861	1	10707	0
1478	1	3324	0	5170	1	7016	0	8862	1	10708	0
1479	1	3325	0	5171	0	7017	0	8863	1	10709	1
1480	0	3326	1	5172	1	7018	0	8864	1	10710	0
1481	1	3327	0	5173	1	7019	1	8865	1	10711	0
1482	0	3328	1	5174	1	7020	0	8866	1	10712	0
1483	1	3329	0	5175	0	7021	0	8867	0	10713	1
1484	0	3330	0	5176	1	7022	0	8868	0	10714	0
1485	1	3331	1	5177	0	7023	1	8869	1	10715	1
1486	0	3332	1	5178	1	7024	0	8870	1	10716	0
1487	1	3333	1	5179	1	7025	1	8871	0	10717	1
1488	0	3334	0	5180	1	7026	0	8872	0	10718	1
1489	1	3335	0	5181	0	7027	0	8873	1	10719	1
1490	0	3336	0	5182	0	7028	1	8874	0	10720	1
1491	1	3337	0	5183	1	7029	1	8875	0	10721	0
1492	0	3338	0	5184	0	7030	0	8876	0	10722	0
1493	1	3339	1	5185	0	7031	0	8877	1	10723	0
1494	1	3340	1	5186	0	7032	1	8878	0	10724	0
1495	0	3341	1	5187	1	7033	0	8879	1	10725	1
1496	1	3342	0	5188	1	7034	0	8880	1	10726	0
1497	0	3343	0	5189	0	7035	1	8881	1	10727	1
1498	1	3344	1	5190	1	7036	1	8882	1	10728	1
1499	1	3345	0	5191	0	7037	1	8883	0	10729	0
1500	1	3346	1	5192	0	7038	1	8884	0	10730	0
1501	1	3347	1	5193	1	7039	1	8885	1	10731	1
1502	1	3348	0	5194	1	7040	1	8886	1	10732	1
1503	0	3349	1	5195	0	7041	1	8887	1	10733	0
1504	1	3350	1	5196	1	7042	0	8888	0	10734	1
1505	1	3351	0	5197	1	7043	1	8889	1	10735	0

1506	0	3352	1	5198	0	7044	1	8890	0	10736	0
1507	1	3353	0	5199	1	7045	1	8891	0	10737	1
1508	0	3354	1	5200	0	7046	1	8892	0	10738	0
1509	1	3355	1	5201	0	7047	1	8893	1	10739	0
1510	0	3356	1	5202	1	7048	1	8894	0	10740	0
1511	1	3357	1	5203	1	7049	1	8895	1	10741	0
1512	1	3358	1	5204	0	7050	0	8896	1	10742	1
1513	0	3359	0	5205	1	7051	1	8897	0	10743	0
1514	0	3360	0	5206	1	7052	1	8898	0	10744	1
1515	0	3361	0	5207	1	7053	1	8899	1	10745	0
1516	1	3362	1	5208	1	7054	0	8900	1	10746	1
1517	0	3363	0	5209	0	7055	1	8901	1	10747	1
1518	1	3364	0	5210	1	7056	0	8902	0	10748	0
1519	1	3365	0	5211	0	7057	1	8903	0	10749	1
1520	0	3366	0	5212	0	7058	0	8904	0	10750	1
1521	1	3367	1	5213	0	7059	1	8905	1	10751	1
1522	0	3368	1	5214	1	7060	1	8906	1	10752	1
1523	0	3369	0	5215	1	7061	1	8907	1	10753	0
1524	0	3370	0	5216	0	7062	1	8908	1	10754	1
1525	1	3371	0	5217	0	7063	1	8909	0	10755	0
1526	1	3372	0	5218	0	7064	1	8910	0	10756	0
1527	1	3373	0	5219	0	7065	1	8911	0	10757	0
1528	1	3374	1	5220	1	7066	1	8912	1	10758	0
1529	0	3375	1	5221	0	7067	0	8913	1	10759	1
1530	0	3376	0	5222	1	7068	0	8914	1	10760	0
1531	1	3377	0	5223	0	7069	0	8915	1	10761	1
1532	1	3378	0	5224	0	7070	1	8916	0	10762	1
1533	0	3379	0	5225	1	7071	0	8917	0	10763	1
1534	1	3380	1	5226	0	7072	1	8918	1	10764	1
1535	0	3381	0	5227	0	7073	0	8919	1	10765	1
1536	1	3382	0	5228	1	7074	0	8920	0	10766	0
1537	1	3383	0	5229	0	7075	1	8921	1	10767	0
1538	0	3384	1	5230	0	7076	1	8922	1	10768	1
1539	1	3385	1	5231	1	7077	1	8923	0	10769	1
1540	1	3386	0	5232	1	7078	0	8924	1	10770	0
1541	1	3387	0	5233	0	7079	1	8925	1	10771	0
1542	0	3388	0	5234	0	7080	1	8926	0	10772	0
1543	1	3389	1	5235	0	7081	1	8927	1	10773	0
1544	0	3390	1	5236	1	7082	0	8928	1	10774	1
1545	0	3391	0	5237	1	7083	1	8929	0	10775	1
1546	0	3392	1	5238	0	7084	1	8930	0	10776	1
1547	0	3393	1	5239	1	7085	0	8931	0	10777	1
1548	1	3394	1	5240	1	7086	1	8932	0	10778	1
1549	0	3395	1	5241	0	7087	0	8933	0	10779	0

1550	0	3396	1	5242	1	7088	0	8934	0	10780	1
1551	0	3397	1	5243	0	7089	1	8935	0	10781	0
1552	1	3398	0	5244	0	7090	0	8936	0	10782	0
1553	1	3399	1	5245	0	7091	0	8937	0	10783	0
1554	0	3400	0	5246	1	7092	0	8938	1	10784	1
1555	1	3401	1	5247	0	7093	0	8939	0	10785	1
1556	1	3402	0	5248	0	7094	1	8940	0	10786	1
1557	1	3403	0	5249	1	7095	0	8941	1	10787	1
1558	1	3404	0	5250	1	7096	1	8942	1	10788	0
1559	1	3405	1	5251	0	7097	1	8943	0	10789	1
1560	1	3406	1	5252	0	7098	0	8944	1	10790	0
1561	1	3407	0	5253	1	7099	1	8945	1	10791	0
1562	0	3408	1	5254	0	7100	0	8946	1	10792	1
1563	0	3409	1	5255	0	7101	0	8947	0	10793	1
1564	0	3410	0	5256	0	7102	1	8948	0	10794	1
1565	1	3411	1	5257	1	7103	1	8949	0	10795	0
1566	0	3412	1	5258	0	7104	0	8950	1	10796	1
1567	1	3413	0	5259	0	7105	1	8951	1	10797	1
1568	1	3414	0	5260	1	7106	1	8952	0	10798	1
1569	0	3415	0	5261	0	7107	1	8953	1	10799	0
1570	1	3416	0	5262	1	7108	0	8954	0	10800	0
1571	1	3417	1	5263	1	7109	0	8955	1	10801	1
1572	1	3418	1	5264	1	7110	0	8956	1	10802	0
1573	1	3419	0	5265	1	7111	1	8957	1	10803	0
1574	1	3420	1	5266	1	7112	1	8958	0	10804	1
1575	0	3421	0	5267	1	7113	0	8959	1	10805	1
1576	1	3422	0	5268	0	7114	0	8960	0	10806	1
1577	0	3423	0	5269	1	7115	0	8961	0	10807	1
1578	0	3424	0	5270	1	7116	0	8962	0	10808	1
1579	1	3425	0	5271	0	7117	1	8963	1	10809	1
1580	0	3426	0	5272	0	7118	0	8964	0	10810	1
1581	0	3427	1	5273	0	7119	1	8965	0	10811	0
1582	0	3428	0	5274	0	7120	0	8966	0	10812	1
1583	0	3429	1	5275	1	7121	1	8967	1	10813	1
1584	0	3430	1	5276	0	7122	1	8968	1	10814	1
1585	1	3431	1	5277	1	7123	1	8969	1	10815	1
1586	1	3432	1	5278	1	7124	0	8970	1	10816	1
1587	1	3433	1	5279	1	7125	0	8971	0	10817	1
1588	0	3434	0	5280	1	7126	0	8972	1	10818	1
1589	1	3435	0	5281	0	7127	1	8973	1	10819	1
1590	0	3436	0	5282	0	7128	1	8974	1	10820	1
1591	1	3437	0	5283	0	7129	1	8975	1	10821	1
1592	0	3438	1	5284	0	7130	1	8976	0	10822	0
1593	1	3439	1	5285	1	7131	1	8977	1	10823	1

1594	1	3440	0	5286	0	7132	1	8978	1	10824	1
1595	0	3441	0	5287	1	7133	1	8979	1	10825	1
1596	1	3442	0	5288	1	7134	1	8980	1	10826	1
1597	1	3443	1	5289	1	7135	1	8981	0	10827	0
1598	0	3444	1	5290	0	7136	1	8982	1	10828	0
1599	1	3445	0	5291	0	7137	0	8983	1	10829	0
1600	0	3446	1	5292	1	7138	0	8984	0	10830	0
1601	1	3447	0	5293	1	7139	0	8985	1	10831	0
1602	0	3448	0	5294	0	7140	0	8986	0	10832	1
1603	1	3449	0	5295	0	7141	0	8987	0	10833	0
1604	0	3450	0	5296	0	7142	0	8988	1	10834	1
1605	0	3451	1	5297	0	7143	0	8989	1	10835	1
1606	0	3452	0	5298	0	7144	1	8990	0	10836	0
1607	0	3453	1	5299	1	7145	0	8991	0	10837	0
1608	1	3454	1	5300	1	7146	0	8992	1	10838	0
1609	0	3455	1	5301	1	7147	1	8993	0	10839	0
1610	0	3456	0	5302	0	7148	0	8994	0	10840	0
1611	1	3457	0	5303	0	7149	0	8995	0	10841	1
1612	0	3458	0	5304	0	7150	0	8996	1	10842	0
1613	1	3459	0	5305	1	7151	1	8997	1	10843	1
1614	1	3460	0	5306	1	7152	1	8998	0	10844	1
1615	0	3461	0	5307	0	7153	0	8999	1	10845	0
1616	1	3462	0	5308	1	7154	1	9000	0	10846	1
1617	1	3463	1	5309	1	7155	1	9001	0	10847	0
1618	1	3464	0	5310	1	7156	0	9002	1	10848	0
1619	0	3465	1	5311	0	7157	1	9003	0	10849	1
1620	0	3466	0	5312	1	7158	0	9004	1	10850	1
1621	0	3467	1	5313	1	7159	0	9005	1	10851	1
1622	0	3468	0	5314	1	7160	0	9006	1	10852	1
1623	0	3469	1	5315	1	7161	1	9007	1	10853	1
1624	1	3470	0	5316	0	7162	1	9008	0	10854	0
1625	1	3471	0	5317	1	7163	1	9009	0	10855	1
1626	0	3472	1	5318	0	7164	1	9010	1	10856	1
1627	1	3473	0	5319	0	7165	1	9011	0	10857	0
1628	0	3474	1	5320	1	7166	0	9012	0	10858	1
1629	0	3475	1	5321	0	7167	1	9013	0	10859	0
1630	0	3476	0	5322	0	7168	0	9014	1	10860	1
1631	0	3477	0	5323	1	7169	0	9015	1	10861	1
1632	0	3478	1	5324	0	7170	0	9016	1	10862	1
1633	1	3479	1	5325	0	7171	0	9017	1	10863	1
1634	0	3480	1	5326	0	7172	1	9018	1	10864	1
1635	1	3481	1	5327	0	7173	1	9019	1	10865	1
1636	0	3482	1	5328	1	7174	0	9020	1	10866	0
1637	1	3483	1	5329	0	7175	0	9021	0	10867	0

1638	1	3484	0	5330	0	7176	0	9022	0	10868	1
1639	0	3485	0	5331	1	7177	1	9023	0	10869	1
1640	1	3486	1	5332	1	7178	1	9024	1	10870	0
1641	0	3487	1	5333	1	7179	1	9025	0	10871	1
1642	1	3488	0	5334	0	7180	1	9026	1	10872	1
1643	1	3489	0	5335	1	7181	1	9027	1	10873	0
1644	0	3490	0	5336	1	7182	1	9028	1	10874	1
1645	1	3491	1	5337	1	7183	0	9029	1	10875	1
1646	0	3492	1	5338	0	7184	0	9030	1	10876	0
1647	1	3493	1	5339	0	7185	0	9031	0	10877	0
1648	0	3494	0	5340	0	7186	1	9032	1	10878	1
1649	1	3495	1	5341	0	7187	1	9033	0	10879	1
1650	0	3496	1	5342	0	7188	1	9034	0	10880	1
1651	1	3497	0	5343	1	7189	0	9035	0	10881	0
1652	1	3498	1	5344	1	7190	0	9036	1	10882	1
1653	0	3499	0	5345	1	7191	1	9037	0	10883	1
1654	0	3500	1	5346	0	7192	1	9038	0	10884	0
1655	0	3501	1	5347	1	7193	1	9039	0	10885	0
1656	0	3502	1	5348	1	7194	1	9040	1	10886	0
1657	0	3503	1	5349	0	7195	0	9041	1	10887	0
1658	0	3504	1	5350	1	7196	1	9042	1	10888	1
1659	0	3505	0	5351	0	7197	1	9043	0	10889	1
1660	1	3506	1	5352	1	7198	1	9044	0	10890	1
1661	1	3507	0	5353	0	7199	1	9045	0	10891	1
1662	1	3508	0	5354	0	7200	1	9046	0	10892	0
1663	0	3509	0	5355	1	7201	1	9047	0	10893	1
1664	0	3510	0	5356	1	7202	0	9048	0	10894	1
1665	0	3511	1	5357	1	7203	0	9049	1	10895	1
1666	1	3512	1	5358	0	7204	0	9050	1	10896	1
1667	0	3513	0	5359	1	7205	1	9051	1	10897	1
1668	1	3514	0	5360	1	7206	1	9052	0	10898	1
1669	1	3515	1	5361	0	7207	0	9053	0	10899	0
1670	1	3516	1	5362	1	7208	1	9054	0	10900	0
1671	1	3517	1	5363	1	7209	0	9055	1	10901	0
1672	1	3518	0	5364	1	7210	1	9056	0	10902	1
1673	0	3519	1	5365	1	7211	0	9057	1	10903	0
1674	0	3520	0	5366	0	7212	1	9058	0	10904	0
1675	0	3521	1	5367	0	7213	1	9059	0	10905	1
1676	1	3522	0	5368	0	7214	1	9060	0	10906	1
1677	0	3523	1	5369	0	7215	0	9061	0	10907	0
1678	0	3524	1	5370	1	7216	1	9062	1	10908	0
1679	1	3525	1	5371	0	7217	0	9063	0	10909	0
1680	1	3526	1	5372	0	7218	0	9064	0	10910	1
1681	0	3527	1	5373	1	7219	1	9065	1	10911	0

1682	0	3528	1	5374	1	7220	1	9066	0	10912	0
1683	1	3529	1	5375	0	7221	1	9067	1	10913	1
1684	1	3530	0	5376	0	7222	0	9068	0	10914	1
1685	1	3531	0	5377	0	7223	1	9069	0	10915	0
1686	0	3532	0	5378	1	7224	1	9070	1	10916	0
1687	1	3533	1	5379	0	7225	0	9071	1	10917	1
1688	0	3534	0	5380	0	7226	1	9072	0	10918	1
1689	1	3535	0	5381	0	7227	1	9073	0	10919	0
1690	0	3536	0	5382	1	7228	1	9074	0	10920	0
1691	0	3537	1	5383	1	7229	1	9075	0	10921	0
1692	1	3538	0	5384	0	7230	1	9076	1	10922	1
1693	0	3539	1	5385	0	7231	0	9077	0	10923	1
1694	0	3540	0	5386	1	7232	1	9078	1	10924	0
1695	0	3541	1	5387	0	7233	0	9079	1	10925	0
1696	0	3542	0	5388	0	7234	1	9080	0	10926	1
1697	0	3543	1	5389	0	7235	1	9081	0	10927	0
1698	0	3544	1	5390	0	7236	1	9082	0	10928	0
1699	0	3545	0	5391	1	7237	1	9083	0	10929	1
1700	0	3546	1	5392	1	7238	0	9084	0	10930	1
1701	1	3547	1	5393	1	7239	1	9085	1	10931	0
1702	0	3548	0	5394	0	7240	0	9086	0	10932	1
1703	1	3549	1	5395	1	7241	0	9087	1	10933	1
1704	0	3550	0	5396	1	7242	0	9088	0	10934	1
1705	1	3551	1	5397	1	7243	0	9089	1	10935	0
1706	1	3552	0	5398	0	7244	1	9090	0	10936	1
1707	1	3553	1	5399	1	7245	1	9091	1	10937	0
1708	0	3554	0	5400	0	7246	1	9092	0	10938	1
1709	0	3555	1	5401	0	7247	0	9093	0	10939	0
1710	1	3556	1	5402	0	7248	0	9094	0	10940	1
1711	0	3557	0	5403	0	7249	1	9095	0	10941	0
1712	1	3558	1	5404	0	7250	0	9096	0	10942	1
1713	0	3559	1	5405	0	7251	1	9097	1	10943	1
1714	0	3560	0	5406	1	7252	0	9098	1	10944	1
1715	1	3561	0	5407	1	7253	0	9099	1	10945	0
1716	1	3562	0	5408	1	7254	1	9100	1	10946	1
1717	0	3563	0	5409	1	7255	1	9101	0	10947	1
1718	1	3564	0	5410	0	7256	0	9102	1	10948	0
1719	0	3565	1	5411	0	7257	0	9103	0	10949	1
1720	0	3566	0	5412	0	7258	0	9104	0	10950	0
1721	1	3567	1	5413	0	7259	1	9105	1	10951	0
1722	0	3568	1	5414	1	7260	1	9106	0	10952	1
1723	0	3569	1	5415	1	7261	0	9107	1	10953	0
1724	1	3570	1	5416	0	7262	1	9108	1	10954	0
1725	0	3571	1	5417	1	7263	0	9109	1	10955	0

1726	1	3572	1	5418	0	7264	1	9110	1	10956	1
1727	1	3573	1	5419	0	7265	1	9111	0	10957	1
1728	1	3574	0	5420	0	7266	0	9112	1	10958	1
1729	0	3575	0	5421	1	7267	1	9113	0	10959	1
1730	0	3576	0	5422	0	7268	1	9114	1	10960	1
1731	1	3577	1	5423	1	7269	0	9115	0	10961	0
1732	1	3578	0	5424	0	7270	0	9116	0	10962	0
1733	0	3579	0	5425	1	7271	1	9117	1	10963	0
1734	1	3580	1	5426	0	7272	1	9118	1	10964	0
1735	0	3581	1	5427	0	7273	0	9119	0	10965	1
1736	1	3582	1	5428	1	7274	0	9120	0	10966	0
1737	1	3583	0	5429	0	7275	0	9121	0	10967	0
1738	1	3584	1	5430	1	7276	0	9122	1	10968	1
1739	0	3585	0	5431	1	7277	0	9123	1	10969	1
1740	0	3586	1	5432	0	7278	0	9124	0	10970	0
1741	0	3587	0	5433	1	7279	0	9125	1	10971	1
1742	0	3588	0	5434	1	7280	0	9126	0	10972	0
1743	0	3589	0	5435	0	7281	1	9127	0	10973	0
1744	1	3590	0	5436	0	7282	1	9128	1	10974	0
1745	0	3591	0	5437	0	7283	0	9129	1	10975	0
1746	0	3592	0	5438	0	7284	0	9130	0	10976	1
1747	1	3593	0	5439	1	7285	1	9131	0	10977	1
1748	1	3594	0	5440	0	7286	1	9132	0	10978	1
1749	0	3595	0	5441	1	7287	0	9133	1	10979	1
1750	1	3596	1	5442	0	7288	0	9134	0	10980	1
1751	1	3597	1	5443	0	7289	0	9135	0	10981	0
1752	0	3598	1	5444	0	7290	1	9136	0	10982	0
1753	0	3599	0	5445	0	7291	1	9137	1	10983	0
1754	1	3600	1	5446	0	7292	1	9138	1	10984	1
1755	0	3601	0	5447	1	7293	0	9139	1	10985	1
1756	1	3602	1	5448	1	7294	0	9140	1	10986	1
1757	0	3603	0	5449	1	7295	0	9141	1	10987	0
1758	1	3604	0	5450	0	7296	1	9142	1	10988	1
1759	0	3605	0	5451	0	7297	1	9143	1	10989	1
1760	1	3606	0	5452	1	7298	1	9144	1	10990	1
1761	0	3607	0	5453	0	7299	0	9145	0	10991	1
1762	1	3608	0	5454	1	7300	1	9146	1	10992	0
1763	0	3609	1	5455	0	7301	1	9147	0	10993	0
1764	1	3610	1	5456	1	7302	0	9148	1	10994	1
1765	0	3611	0	5457	0	7303	1	9149	0	10995	0
1766	1	3612	1	5458	0	7304	1	9150	1	10996	0
1767	1	3613	0	5459	1	7305	0	9151	0	10997	1
1768	0	3614	1	5460	1	7306	1	9152	1	10998	1
1769	1	3615	0	5461	1	7307	0	9153	0	10999	1

1770	1	3616	0	5462	1	7308	1	9154	0	11000	1
1771	1	3617	1	5463	0	7309	0	9155	1	11001	0
1772	0	3618	1	5464	1	7310	0	9156	1	11002	0
1773	1	3619	0	5465	1	7311	1	9157	0	11003	1
1774	0	3620	0	5466	0	7312	1	9158	0	11004	1
1775	0	3621	1	5467	1	7313	0	9159	0	11005	0
1776	0	3622	0	5468	0	7314	1	9160	1	11006	1
1777	0	3623	1	5469	0	7315	1	9161	0	11007	1
1778	0	3624	1	5470	0	7316	0	9162	1	11008	1
1779	0	3625	0	5471	0	7317	0	9163	0	11009	1
1780	1	3626	0	5472	0	7318	0	9164	1	11010	1
1781	0	3627	0	5473	0	7319	0	9165	0	11011	0
1782	1	3628	0	5474	0	7320	1	9166	0	11012	0
1783	0	3629	0	5475	0	7321	0	9167	0	11013	0
1784	1	3630	1	5476	1	7322	0	9168	0	11014	0
1785	0	3631	1	5477	0	7323	1	9169	0	11015	1
1786	1	3632	0	5478	0	7324	1	9170	0	11016	1
1787	0	3633	1	5479	0	7325	1	9171	1	11017	0
1788	0	3634	0	5480	1	7326	1	9172	1	11018	1
1789	0	3635	0	5481	1	7327	0	9173	1	11019	0
1790	0	3636	1	5482	1	7328	0	9174	0	11020	0
1791	1	3637	0	5483	1	7329	1	9175	1	11021	1
1792	0	3638	1	5484	0	7330	1	9176	0	11022	1
1793	1	3639	0	5485	1	7331	1	9177	1	11023	0
1794	1	3640	1	5486	0	7332	0	9178	1	11024	0
1795	1	3641	1	5487	1	7333	0	9179	0	11025	1
1796	0	3642	1	5488	1	7334	0	9180	1	11026	0
1797	0	3643	0	5489	0	7335	0	9181	0	11027	0
1798	0	3644	0	5490	0	7336	1	9182	1	11028	1
1799	1	3645	0	5491	0	7337	0	9183	0	11029	1
1800	1	3646	0	5492	1	7338	1	9184	1	11030	0
1801	0	3647	0	5493	0	7339	1	9185	1	11031	0
1802	1	3648	0	5494	1	7340	0	9186	1	11032	0
1803	0	3649	0	5495	1	7341	0	9187	0	11033	0
1804	0	3650	1	5496	1	7342	1	9188	1	11034	0
1805	0	3651	0	5497	1	7343	1	9189	0	11035	1
1806	0	3652	1	5498	0	7344	0	9190	0	11036	1
1807	0	3653	0	5499	0	7345	0	9191	1	11037	0
1808	1	3654	1	5500	0	7346	1	9192	1	11038	0
1809	0	3655	0	5501	0	7347	1	9193	0	11039	1
1810	1	3656	0	5502	0	7348	1	9194	0	11040	1
1811	0	3657	0	5503	1	7349	0	9195	1	11041	0
1812	1	3658	0	5504	0	7350	0	9196	1	11042	1
1813	1	3659	1	5505	0	7351	1	9197	1	11043	1

1814	1	3660	0	5506	0	7352	1	9198	1	11044	1
1815	1	3661	1	5507	0	7353	1	9199	0	11045	0
1816	1	3662	0	5508	1	7354	1	9200	1	11046	1
1817	1	3663	0	5509	0	7355	1	9201	0	11047	1
1818	1	3664	0	5510	1	7356	1	9202	1	11048	1
1819	1	3665	1	5511	0	7357	0	9203	1	11049	1
1820	1	3666	1	5512	1	7358	1	9204	0	11050	1
1821	1	3667	0	5513	1	7359	0	9205	0	11051	1
1822	1	3668	0	5514	0	7360	0	9206	1	11052	0
1823	1	3669	0	5515	1	7361	1	9207	0	11053	1
1824	1	3670	0	5516	0	7362	1	9208	0	11054	0
1825	1	3671	1	5517	1	7363	0	9209	1	11055	1
1826	1	3672	0	5518	1	7364	0	9210	1	11056	0
1827	1	3673	0	5519	1	7365	0	9211	0	11057	0
1828	1	3674	0	5520	1	7366	1	9212	0	11058	1
1829	1	3675	1	5521	1	7367	0	9213	1	11059	1
1830	1	3676	0	5522	0	7368	1	9214	0	11060	1
1831	0	3677	1	5523	1	7369	1	9215	0	11061	1
1832	1	3678	1	5524	0	7370	1	9216	0	11062	1
1833	1	3679	0	5525	1	7371	0	9217	0	11063	1
1834	1	3680	1	5526	1	7372	1	9218	0	11064	0
1835	1	3681	1	5527	1	7373	1	9219	1	11065	0
1836	1	3682	1	5528	0	7374	1	9220	0	11066	0
1837	0	3683	0	5529	1	7375	0	9221	1	11067	1
1838	0	3684	1	5530	1	7376	0	9222	1	11068	1
1839	1	3685	0	5531	0	7377	0	9223	0	11069	0
1840	0	3686	1	5532	1	7378	1	9224	1	11070	0
1841	1	3687	1	5533	0	7379	0	9225	1	11071	0
1842	1	3688	0	5534	1	7380	0	9226	1	11072	0
1843	1	3689	0	5535	0	7381	0	9227	1		
1844	0	3690	1	5536	0	7382	0	9228	1		
1845	1	3691	0	5537	0	7383	1	9229	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