

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

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ABSTRACT. The continued fraction conjecture claims that the continued fraction defined by the (a, b) -Thue-Morse sequence is algebraic over $\mathbb{F}_2(x)$ for all pairs of distinct elements (a, b) in $\mathbb{F}_2[x] \setminus \mathbb{F}_2$. In this paper we prove the conjecture for $(a, b) = (z^5 + z^4 + 1, z^2 + 1)$.

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

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

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

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

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

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

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

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

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

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

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

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

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

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 $u = 2^{2k}$,

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

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

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

which can be rewritten as

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

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

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

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 10197 states; its transition function and output function can be found in the annex. Let $A(s, w)$ denote the state reached after reading w from right to left starting from the state s , and τ the output function. Define

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

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

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

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

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

$$(2.28) \quad \begin{aligned} 1 &= \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 111)), \end{aligned}$$

$$(2.29) \quad \begin{aligned} 1 &= \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 1000)), \\ 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \end{aligned}$$

$$(2.30) \quad \begin{aligned} &\quad + \tau(A(s, 1001)), \\ 0 &= \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \end{aligned}$$

$$(2.31) \quad \begin{aligned} &\quad + \tau(A(s, 1010)), \\ 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101)) \end{aligned}$$

$$(2.32) \quad \quad + \tau(A(s, 110)) + \tau(A(s, 1011)),$$

$$(2.33) \quad 1 = \tau(A(s, 100)) + \tau(A(s, 1100)),$$

$$(2.34) \quad 0 = \tau(A(s, 101)) + \tau(A(s, 1101)),$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{32}), E_{32}) = (A(i, 0^{20}), E_{20})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 16$, 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

$$W_{2k} M_{2k} = (W^e[:7v] + x^v W^e[:6v] + x^{2v} W^e[:5v] + x^{3v} W^e[:4v])$$

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

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

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

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

$$\begin{aligned}
q_0(x) &= x^{28} + x^{26} + x^{23} + x^{22} + x^{21} + x^{18} + x^{14} + x^{11} + x^8 + x^7, \\
q_1(x) &= x^{26} + x^{23} + x^{19} + x^{16} + x^{14} + x^{12} + x^{11} + x^9 + x^7 + x^5 + x^4 + x^2, \\
q_2(x) &= x^{28} + x^{24} + x^{20} + x^{18} + x^{12} + x^{10} + x^8 + 1, \\
q_3(x) &= x^{26} + x^{23} + x^{19} + x^{16} + x^{14} + x^{12} + x^{11} + x^9 + x^7 + x^5 + x^4 + x^2, \\
q_4(x) &= x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{14} + x^{12} + x^{11} + x^{10} + x^7 \\
&\quad + x^4.
\end{aligned}$$

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{134} + x^{130} + x^{126} + x^{122} + x^{112} + x^{110} + x^{102} + x^{100} + x^{96} \\
&\quad + x^{94} + x^{92} + x^{82} + x^{80} + x^{74} + x^{72} + x^{70} + x^{68} + x^{64} + x^{60} + x^{58} \\
&\quad + x^{54} + x^{46} + x^{40} + x^{30} + x^{26} + x^{24}, \\
p_3(x) &= x^{134} + x^{130} + x^{128} + x^{124} + x^{120} + x^{118} + x^{116} + x^{114} + x^{102} + x^{96} \\
&\quad + x^{94} + x^{92} + x^{88} + x^{82} + x^{74} + x^{72} + x^{70} + x^{66} + x^{64} + x^{62} + x^{60} \\
&\quad + x^{58} + x^{54} + x^{48} + x^{44} + x^{36} + x^{28} + x^{22} + x^{20} + x^{16}, \\
p_6(x) &= x^{134} + x^{128} + x^{122} + x^{114} + x^{110} + x^{108} + x^{106} + x^{102} + x^{94} + x^{92} \\
&\quad + x^{90} + x^{86} + x^{84} + x^{74} + x^{72} + x^{66} + x^{64} + x^{58} + x^{56} + x^{52} + x^{50} \\
&\quad + x^{44} + x^{42} + x^{38} + x^{34} + x^{32} + x^{30} + x^{28} + x^{24} + x^{22} + x^{18} + x^{16} \\
&\quad + x^{14} + x^{12} + x^6 + x^4 + x^2 + 1, \\
p_9(x) &= x^{134} + x^{130} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{114} + x^{112} + x^{106} \\
&\quad + x^{104} + x^{98} + x^{94} + x^{90} + x^{86} + x^{84} + x^{82} + x^{80} + x^{78} + x^{76} + x^{74} \\
&\quad + x^{60} + x^{48} + x^{46} + x^{38} + x^{36} + x^{34} + x^{30} + x^{28} + x^{22} + x^{20} + x^{18} \\
&\quad + x^{14} + x^{10} + x^6 + x^4, \\
p_{12}(x) &= x^{138} + x^{130} + x^{128} + x^{122} + x^{114} + x^{112} + x^{42} + x^{34} + x^{32} + x^{10} + x^2 \\
&\quad + 1,
\end{aligned}$$

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

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

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{132} \\ & + x^{131} + x^{130} + x^{129} + x^{128} + x^{126} + x^{125} + x^{123} + x^{120} + x^{119} \\ & + x^{117} + x^{111} + x^{110} + x^{107} + x^{106} + x^{105} + x^{104} + x^{100} + x^{99} + x^{98} \\ & + x^{97} + x^{96} + x^{94} + x^{91} + x^{89} + x^{86} + x^{85} + x^{83} + x^{82} + x^{76} + x^{74} \\ & + x^{73} + x^{71} + x^{68} + x^{67} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{56} + x^{54} \\ & + x^{52} + x^{50} + x^{48} + x^{47} + x^{45} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} \\ & + x^{33}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{129} + x^{127} + x^{126} + x^{125} + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{116} \\ & + x^{111} + x^{109} + x^{108} + x^{103} + x^{101} + x^{100} + x^{93} + x^{91} + x^{90} + x^{89} \\ & + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{78} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} \\ & + x^{63} + x^{62} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{34} \\ & + x^{33} + x^{30} + x^{28} + x^{27} + x^{26} + x^{21} + x^{19} + x^{18}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{135} + x^{133} + x^{131} + x^{130} + x^{128} + x^{124} + x^{123} + x^{120} + x^{119} + x^{118} \\ & + x^{116} + x^{113} + x^{112} + x^{107} + x^{105} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} \\ & + x^{94} + x^{91} + x^{90} + x^{89} + x^{85} + x^{84} + x^{83} + x^{81} + x^{79} + x^{78} + x^{77} \\ & + x^{76} + x^{73} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} + x^{60} + x^{59} + x^{56} \\ & + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} + x^{44} + x^{43} + x^{40} + x^{39} + x^{38} + x^{36} \\ & + x^{35} + x^{32} + x^{31} + x^{30} + x^{28} + x^{24} + x^{23} + x^{21} + x^{20} + x^{18} + x^{17} \\ & + x^{15} + x^{14} + x^{13} + x^{12}, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{141} + x^{139} + x^{138} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} + x^{115} + x^{113} \\ & + x^{112} + x^{111} + x^{108} + x^{106} + x^{105} + x^{104} + x^{103} + x^{100} + x^{98} + x^{97} \\ & + x^{96} + x^{93} + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{81} + x^{79} + x^{78} \\ & + x^{77} + x^{75} + x^{74} + x^{73} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} \\ & + x^{58} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{34} + x^{32} + x^{31} \\ & + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{23} + x^{22} + x^{21} + x^{19} + x^{18} + x^{15} \\ & + x^{12} + x^{11} + x^{10} + x^9 + x^7 + x^6, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\ & + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\ & + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} \\ & + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{31} + x^{29} + x^{27} + x^{26} \\ & + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4 \\ & + x^3 + x^2 + x + 1, \end{aligned}$$

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

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

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{132} \\ & + x^{131} + x^{130} + x^{129} + x^{128} + x^{126} + x^{125} + x^{123} + x^{120} + x^{119} \\ & + x^{117} + x^{111} + x^{110} + x^{107} + x^{106} + x^{105} + x^{104} + x^{100} + x^{99} + x^{98} \\ & + x^{97} + x^{96} + x^{94} + x^{91} + x^{89} + x^{86} + x^{85} + x^{83} + x^{82} + x^{76} + x^{74} \\ & + x^{73} + x^{71} + x^{68} + x^{67} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{56} + x^{54} \\ & + x^{52} + x^{50} + x^{48} + x^{47} + x^{45} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} \\ & + x^{33}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{129} + x^{127} + x^{126} + x^{125} + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{116} \\ & + x^{111} + x^{109} + x^{108} + x^{103} + x^{101} + x^{100} + x^{93} + x^{91} + x^{90} + x^{89} \\ & + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{78} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} \\ & + x^{63} + x^{62} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{34} \\ & + x^{33} + x^{30} + x^{28} + x^{27} + x^{26} + x^{21} + x^{19} + x^{18}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{135} + x^{133} + x^{131} + x^{130} + x^{128} + x^{124} + x^{123} + x^{120} + x^{119} + x^{118} \\ & + x^{116} + x^{113} + x^{112} + x^{107} + x^{105} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} \\ & + x^{94} + x^{91} + x^{90} + x^{89} + x^{85} + x^{84} + x^{83} + x^{81} + x^{79} + x^{78} + x^{77} \\ & + x^{76} + x^{73} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} + x^{60} + x^{59} + x^{56} \\ & + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} + x^{44} + x^{43} + x^{40} + x^{39} + x^{38} + x^{36} \\ & + x^{35} + x^{32} + x^{31} + x^{30} + x^{28} + x^{24} + x^{23} + x^{21} + x^{20} + x^{18} + x^{17} \\ & + x^{15} + x^{14} + x^{13} + x^{12}, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{141} + x^{139} + x^{138} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} + x^{115} + x^{113} \\ & + x^{112} + x^{111} + x^{108} + x^{106} + x^{105} + x^{104} + x^{103} + x^{100} + x^{98} + x^{97} \\ & + x^{96} + x^{93} + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{81} + x^{79} + x^{78} \\ & + x^{77} + x^{75} + x^{74} + x^{73} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} \\ & + x^{58} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{34} + x^{32} + x^{31} \\ & + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{23} + x^{22} + x^{21} + x^{19} + x^{18} + x^{15} \\ & + x^{12} + x^{11} + x^{10} + x^9 + x^7 + x^6, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\ & + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\ & + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} \\ & + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{31} + x^{29} + x^{27} + x^{26} \\ & + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4 \\ & + x^3 + x^2 + x + 1, \end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{146} + x^{144} + x^{140} + x^{136} + x^{132} + x^{128} + x^{126} + x^{124} + x^{120} \\
&\quad + x^{118} + x^{116} + x^{114} + x^{112} + x^{102} + x^{100} + x^{94} + x^{88} + x^{86} + x^{82} \\
&\quad + x^{78} + x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{58} + x^{56} + x^{52} \\
&\quad + x^{44} + x^{42}, \\
p_3(x) &= x^{152} + x^{146} + x^{144} + x^{142} + x^{140} + x^{136} + x^{120} + x^{116} + x^{114} + x^{112} \\
&\quad + x^{106} + x^{104} + x^{98} + x^{96} + x^{92} + x^{84} + x^{82} + x^{80} + x^{66} + x^{60} + x^{56} \\
&\quad + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} + x^{30} + x^{26} + x^{24} + x^{20} + x^{16} + x^{12}, \\
p_6(x) &= x^{152} + x^{146} + x^{144} + x^{138} + x^{126} + x^{124} + x^{118} + x^{114} + x^{112} + x^{106} \\
&\quad + x^{104} + x^{102} + x^{100} + x^{96} + x^{92} + x^{90} + x^{86} + x^{80} + x^{78} + x^{76} + x^{74} \\
&\quad + x^{70} + x^{68} + x^{64} + x^{62} + x^{54} + x^{52} + x^{48} + x^{46} + x^{38} + x^{36} + x^{30} \\
&\quad + x^{24} + x^{22} + x^{14} + x^{10} + x^8 + 1, \\
p_9(x) &= x^{152} + x^{146} + x^{144} + x^{142} + x^{140} + x^{138} + x^{134} + x^{124} + x^{122} + x^{114} \\
&\quad + x^{112} + x^{110} + x^{108} + x^{106} + x^{104} + x^{90} + x^{78} + x^{76} + x^{66} + x^{62} \\
&\quad + x^{56} + x^{54} + x^{52} + x^{46} + x^{44} + x^{40} + x^{38} + x^{32} + x^{28} + x^{20} + x^{16} \\
&\quad + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{156} + x^{152} + x^{124} + x^{120} + x^{116} + x^{112} + x^{60} + x^{56} + x^{44} + x^{40} \\
&\quad + x^{28} + x^{24} + x^{20} + x^{16} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{148} + x^{146} + x^{140} + x^{136} + x^{132} + x^{130} + x^{126} + x^{124} + x^{122} \\
&\quad + x^{118} + x^{116} + x^{106} + x^{104} + x^{98} + x^{92} + x^{90} + x^{88} + x^{84} + x^{82} \\
&\quad + x^{78} + x^{76} + x^{70} + x^{68} + x^{64} + x^{62} + x^{50} + x^{46} + x^{38} + x^{36} + x^{34} \\
&\quad + x^{32} + x^{30} + x^{28} + x^{24}, \\
p_3(x) &= x^{152} + x^{146} + x^{142} + x^{138} + x^{134} + x^{128} + x^{126} + x^{124} + x^{104} + x^{102} \\
&\quad + x^{100} + x^{92} + x^{90} + x^{82} + x^{76} + x^{74} + x^{70} + x^{68} + x^{54} + x^{52} + x^{50} \\
&\quad + x^{48} + x^{40} + x^{38} + x^{36} + x^{34} + x^{32} + x^{26} + x^{18} + x^{16}, \\
p_6(x) &= x^{152} + x^{148} + x^{146} + x^{144} + x^{140} + x^{134} + x^{132} + x^{128} + x^{118} + x^{116} \\
&\quad + x^{112} + x^{98} + x^{92} + x^{88} + x^{86} + x^{84} + x^{78} + x^{76} + x^{68} + x^{66} + x^{62} \\
&\quad + x^{60} + x^{56} + x^{52} + x^{48} + x^{42} + x^{34} + x^{32} + x^{28} + x^{22} + x^{18} + x^{14} \\
&\quad + x^{10} + 1, \\
p_9(x) &= x^{152} + x^{146} + x^{144} + x^{142} + x^{140} + x^{138} + x^{134} + x^{124} + x^{122} + x^{114} \\
&\quad + x^{112} + x^{110} + x^{108} + x^{106} + x^{104} + x^{90} + x^{78} + x^{76} + x^{66} + x^{62} \\
&\quad + x^{56} + x^{54} + x^{52} + x^{46} + x^{44} + x^{40} + x^{38} + x^{32} + x^{28} + x^{20} + x^{16} \\
&\quad + x^{10} + x^8 + x^4,
\end{aligned}$$

$$p_{12}(x) = x^{156} + x^{152} + x^{124} + x^{120} + x^{116} + x^{112} + x^{60} + x^{56} + x^{44} + x^{40} \\ + x^{28} + x^{24} + x^{20} + x^{16} + x^{12} + x^8 + x^4 + 1,$$

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

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

$$p_0(x) = x^{147} + x^{145} + x^{143} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} \\ + x^{133} + x^{132} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} + x^{122} + x^{120} \\ + x^{119} + x^{118} + x^{117} + x^{111} + x^{110} + x^{108} + x^{107} + x^{101} + x^{100} \\ + x^{96} + x^{93} + x^{92} + x^{91} + x^{88} + x^{82} + x^{81} + x^{80} + x^{78} + x^{77} + x^{72} \\ + x^{70} + x^{68} + x^{67} + x^{65} + x^{64} + x^{62} + x^{58} + x^{57} + x^{54} + x^{53} + x^{52} \\ + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{43} + x^{40} + x^{39} + x^{35} \\ + x^{34} + x^{33},$$

$$p_3(x) = x^{129} + x^{127} + x^{126} + x^{125} + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{116} \\ + x^{111} + x^{109} + x^{108} + x^{103} + x^{101} + x^{100} + x^{93} + x^{91} + x^{90} + x^{89} \\ + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{78} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} \\ + x^{63} + x^{62} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{34} \\ + x^{33} + x^{30} + x^{28} + x^{27} + x^{26} + x^{21} + x^{19} + x^{18},$$

$$p_6(x) = x^{135} + x^{133} + x^{131} + x^{130} + x^{128} + x^{124} + x^{123} + x^{120} + x^{119} + x^{118} \\ + x^{116} + x^{113} + x^{112} + x^{107} + x^{105} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} \\ + x^{94} + x^{91} + x^{90} + x^{89} + x^{85} + x^{84} + x^{83} + x^{81} + x^{79} + x^{78} + x^{77} \\ + x^{76} + x^{73} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} + x^{60} + x^{59} + x^{56} \\ + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} + x^{44} + x^{43} + x^{40} + x^{39} + x^{38} + x^{36} \\ + x^{35} + x^{32} + x^{31} + x^{30} + x^{28} + x^{24} + x^{23} + x^{21} + x^{20} + x^{18} + x^{17} \\ + x^{15} + x^{14} + x^{13} + x^{12},$$

$$p_9(x) = x^{141} + x^{139} + x^{138} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} + x^{115} + x^{113} \\ + x^{112} + x^{111} + x^{108} + x^{106} + x^{105} + x^{104} + x^{103} + x^{100} + x^{98} + x^{97} \\ + x^{96} + x^{93} + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{81} + x^{79} + x^{78} \\ + x^{77} + x^{75} + x^{74} + x^{73} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} \\ + x^{58} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{34} + x^{32} + x^{31} \\ + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{23} + x^{22} + x^{21} + x^{19} + x^{18} + x^{15} \\ + x^{12} + x^{11} + x^{10} + x^9 + x^7 + x^6,$$

$$p_{12}(x) = x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\ + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\ + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} \\ + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{31} + x^{29} + x^{27} + x^{26} \\ + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4$$

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

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

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

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} \\ & + x^{133} + x^{132} + x^{129} + x^{127} + x^{126} + x^{124} + x^{123} + x^{122} + x^{120} \\ & + x^{119} + x^{118} + x^{117} + x^{111} + x^{110} + x^{108} + x^{107} + x^{101} + x^{100} \\ & + x^{96} + x^{93} + x^{92} + x^{91} + x^{88} + x^{82} + x^{81} + x^{80} + x^{78} + x^{77} + x^{72} \\ & + x^{70} + x^{68} + x^{67} + x^{65} + x^{64} + x^{62} + x^{58} + x^{57} + x^{54} + x^{53} + x^{52} \\ & + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{43} + x^{40} + x^{39} + x^{35} \\ & + x^{34} + x^{33}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{129} + x^{127} + x^{126} + x^{125} + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{116} \\ & + x^{111} + x^{109} + x^{108} + x^{103} + x^{101} + x^{100} + x^{93} + x^{91} + x^{90} + x^{89} \\ & + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{78} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} \\ & + x^{63} + x^{62} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{34} \\ & + x^{33} + x^{30} + x^{28} + x^{27} + x^{26} + x^{21} + x^{19} + x^{18}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{135} + x^{133} + x^{131} + x^{130} + x^{128} + x^{124} + x^{123} + x^{120} + x^{119} + x^{118} \\ & + x^{116} + x^{113} + x^{112} + x^{107} + x^{105} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} \\ & + x^{94} + x^{91} + x^{90} + x^{89} + x^{85} + x^{84} + x^{83} + x^{81} + x^{79} + x^{78} + x^{77} \\ & + x^{76} + x^{73} + x^{69} + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} + x^{60} + x^{59} + x^{56} \\ & + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} + x^{44} + x^{43} + x^{40} + x^{39} + x^{38} + x^{36} \\ & + x^{35} + x^{32} + x^{31} + x^{30} + x^{28} + x^{24} + x^{23} + x^{21} + x^{20} + x^{18} + x^{17} \\ & + x^{15} + x^{14} + x^{13} + x^{12}, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{141} + x^{139} + x^{138} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} + x^{115} + x^{113} \\ & + x^{112} + x^{111} + x^{108} + x^{106} + x^{105} + x^{104} + x^{103} + x^{100} + x^{98} + x^{97} \\ & + x^{96} + x^{93} + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{81} + x^{79} + x^{78} \\ & + x^{77} + x^{75} + x^{74} + x^{73} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{60} + x^{59} \\ & + x^{58} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{34} + x^{32} + x^{31} \\ & + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{23} + x^{22} + x^{21} + x^{19} + x^{18} + x^{15} \\ & + x^{12} + x^{11} + x^{10} + x^9 + x^7 + x^6, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\ & + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} \\ & + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} \\ & + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} + x^{31} + x^{29} + x^{27} + x^{26} \\ & + x^{25} + x^{24} + x^{23} + x^{21} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4 \\ & + x^3 + x^2 + x + 1, \end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{134} + x^{126} + x^{120} + x^{114} + x^{108} + x^{106} + x^{102} + x^{100} + x^{98} \\
&\quad + x^{96} + x^{94} + x^{92} + x^{86} + x^{84} + x^{82} + x^{80} + x^{76} + x^{66} + x^{64} + x^{62} \\
&\quad + x^{56} + x^{54} + x^{44} + x^{42}, \\
p_3(x) &= x^{134} + x^{130} + x^{128} + x^{126} + x^{124} + x^{118} + x^{112} + x^{110} + x^{104} + x^{102} \\
&\quad + x^{100} + x^{94} + x^{86} + x^{84} + x^{78} + x^{76} + x^{74} + x^{72} + x^{70} + x^{64} + x^{52} \\
&\quad + x^{48} + x^{44} + x^{38} + x^{36} + x^{34} + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} + x^{20} \\
&\quad + x^{14} + x^{12}, \\
p_6(x) &= x^{134} + x^{130} + x^{128} + x^{126} + x^{118} + x^{116} + x^{114} + x^{112} + x^{110} + x^{102} \\
&\quad + x^{100} + x^{96} + x^{94} + x^{88} + x^{86} + x^{82} + x^{80} + x^{70} + x^{66} + x^{64} + x^{62} \\
&\quad + x^{52} + x^{48} + x^{44} + x^{38} + x^{32} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{16} \\
&\quad + x^{10} + x^8 + x^6 + x^4 + x^2 + 1, \\
p_9(x) &= x^{134} + x^{130} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{114} + x^{112} + x^{106} \\
&\quad + x^{104} + x^{98} + x^{94} + x^{90} + x^{86} + x^{84} + x^{82} + x^{80} + x^{78} + x^{76} + x^{74} \\
&\quad + x^{60} + x^{48} + x^{46} + x^{38} + x^{36} + x^{34} + x^{30} + x^{28} + x^{22} + x^{20} + x^{18} \\
&\quad + x^{14} + x^{10} + x^6 + x^4, \\
p_{12}(x) &= x^{138} + x^{130} + x^{128} + x^{122} + x^{114} + x^{112} + x^{42} + x^{34} + x^{32} + x^{10} + x^2 \\
&\quad + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{127} \\
&\quad + x^{125} + x^{124} + x^{122} + x^{121} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} \\
&\quad + x^{112} + x^{107} + x^{106} + x^{105} + x^{103} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} \\
&\quad + x^{96} + x^{95} + x^{93} + x^{92} + x^{91} + x^{88} + x^{86} + x^{85} + x^{80} + x^{78} + x^{77} \\
&\quad + x^{71} + x^{70} + x^{69} + x^{68} + x^{66} + x^{65} + x^{63} + x^{60} + x^{59} + x^{58} + x^{56} \\
&\quad + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{45} + x^{42} + x^{41} + x^{39} + x^{37} + x^{35} \\
&\quad + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{24}, \\
p_3(x) &= x^{139} + x^{137} + x^{134} + x^{132} + x^{130} + x^{128} + x^{127} + x^{125} + x^{124} + x^{123} \\
&\quad + x^{121} + x^{115} + x^{113} + x^{111} + x^{110} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} \\
&\quad + x^{92} + x^{91} + x^{88} + x^{87} + x^{82} + x^{71} + x^{69} + x^{68} + x^{63} + x^{62} + x^{59} \\
&\quad + x^{57} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{49} + x^{46} + x^{45} + x^{43} + x^{40} \\
&\quad + x^{39} + x^{35} + x^{29} + x^{28} + x^{26} + x^{23} + x^{22} + x^{21} + x^{19} + x^{18} + x^{17} \\
&\quad + x^{16}, \\
p_6(x) &= x^{143} + x^{141} + x^{138} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{127}
\end{aligned}$$

$$\begin{aligned}
& + x^{126} + x^{125} + x^{120} + x^{119} + x^{118} + x^{116} + x^{108} + x^{107} + x^{106} \\
& + x^{100} + x^{99} + x^{98} + x^{97} + x^{93} + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} \\
& + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} \\
& + x^{71} + x^{70} + x^{68} + x^{66} + x^{63} + x^{60} + x^{57} + x^{56} + x^{49} + x^{47} + x^{43} \\
& + x^{42} + x^{38} + x^{37} + x^{30} + x^{29} + x^{28} + x^{26} + x^{25} + x^{22} + x^{21} + x^{16} \\
& + x^{15} + x^{13} + x^{12} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1, \\
p_9(x) = & x^{139} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} \\
& + x^{123} + x^{122} + x^{121} + x^{120} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} \\
& + x^{35} + x^{33} + x^{30} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} \\
& + x^{17} + x^{14} + x^{12} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{123} + x^{121} + x^{118} + x^{116} \\
& + x^{115} + x^{114} + x^{113} + x^{112} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} \\
& + x^{35} + x^{33} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} + x^{25} + x^{22} + x^{20} + x^{19} \\
& + x^{18} + x^{17} + x^{16} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{160} + x^{154} + x^{152} + x^{151} + x^{150} + x^{149} + x^{148} + x^{146} + x^{145} + x^{142} \\
& + x^{141} + x^{140} + x^{138} + x^{137} + x^{136} + x^{134} + x^{130} + x^{129} + x^{128} \\
& + x^{127} + x^{126} + x^{122} + x^{119} + x^{118} + x^{115} + x^{114} + x^{113} + x^{112} \\
& + x^{110} + x^{106} + x^{104} + x^{101} + x^{100} + x^{99} + x^{96} + x^{93} + x^{91} + x^{86} \\
& + x^{85} + x^{84} + x^{82} + x^{80} + x^{77} + x^{75} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} \\
& + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{59} + x^{56} + x^{54} + x^{52} + x^{49} + x^{48} \\
& + x^{47} + x^{45} + x^{44} + x^{42} + x^{41} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{142} + x^{139} + x^{138} + x^{134} + x^{130} + x^{129} + x^{124} + x^{123} + x^{121} + x^{120} \\
& + x^{119} + x^{118} + x^{115} + x^{110} + x^{109} + x^{107} + x^{106} + x^{105} + x^{104} \\
& + x^{101} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{87} + x^{86} + x^{79} + x^{78} + x^{77} \\
& + x^{75} + x^{72} + x^{71} + x^{70} + x^{68} + x^{65} + x^{64} + x^{63} + x^{61} + x^{58} + x^{57} \\
& + x^{56} + x^{54} + x^{51} + x^{50} + x^{49} + x^{47} + x^{44} + x^{43} + x^{42} + x^{40} + x^{38} \\
& + x^{37} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{28} + x^{27} + x^{26} + x^{25} + x^{23} \\
& + x^{21} + x^{20} + x^{18}, \\
p_6(x) = & x^{148} + x^{142} + x^{140} + x^{136} + x^{132} + x^{130} + x^{118} + x^{116} + x^{112} + x^{108} \\
& + x^{106} + x^{96} + x^{94} + x^{92} + x^{90} + x^{82} + x^{80} + x^{78} + x^{72} + x^{70} + x^{64} \\
& + x^{62} + x^{58} + x^{56} + x^{50} + x^{48} + x^{42} + x^{38} + x^{36} + x^{34} + x^{32} + x^{28} \\
& + x^{26} + x^{24} + x^{22} + x^{18} + x^{16} + x^{12}, \\
p_9(x) = & x^{154} + x^{151} + x^{150} + x^{148} + x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{135}
\end{aligned}$$

$$\begin{aligned}
& + x^{132} + x^{131} + x^{130} + x^{129} + x^{127} + x^{123} + x^{122} + x^{121} + x^{120} \\
& + x^{118} + x^{58} + x^{55} + x^{54} + x^{52} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{42} \\
& + x^{38} + x^{35} + x^{34} + x^{32} + x^{29} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} \\
& + x^{22} + x^{20} + x^{19} + x^{18} + x^{17} + x^{15} + x^{11} + x^{10} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{160} + x^{144} + x^{140} + x^{136} + x^{132} + x^{120} + x^{112} + x^{64} + x^{44} + x^{40} \\
& + x^{36} + x^{32} + x^{28} + x^{20} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{142} + x^{139} + x^{138} + x^{137} + x^{133} + x^{132} + x^{131} + x^{130} + x^{126} \\
& + x^{123} + x^{119} + x^{118} + x^{115} + x^{114} + x^{111} + x^{110} + x^{107} + x^{105} \\
& + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{94} + x^{93} + x^{92} + x^{91} + x^{90} + x^{87} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{73} + x^{69} + x^{68} + x^{67} \\
& + x^{66} + x^{65} + x^{64} + x^{62} + x^{61} + x^{59} + x^{57} + x^{56} + x^{54} + x^{48} + x^{44} \\
& + x^{43} + x^{41} + x^{38} + x^{36} + x^{33}, \\
p_3(x) = & x^{130} + x^{127} + x^{126} + x^{119} + x^{117} + x^{112} + x^{110} + x^{108} + x^{104} + x^{103} \\
& + x^{100} + x^{96} + x^{93} + x^{92} + x^{86} + x^{85} + x^{82} + x^{80} + x^{77} + x^{76} + x^{70} \\
& + x^{69} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{55} + x^{54} + x^{47} + x^{45} + x^{40} \\
& + x^{38} + x^{36} + x^{32} + x^{31} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} \\
& + x^{18}, \\
p_6(x) = & x^{136} + x^{130} + x^{124} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{108} + x^{104} \\
& + x^{98} + x^{96} + x^{92} + x^{88} + x^{86} + x^{76} + x^{74} + x^{72} + x^{70} + x^{62} + x^{60} \\
& + x^{58} + x^{52} + x^{50} + x^{44} + x^{42} + x^{40} + x^{38} + x^{36} + x^{34} + x^{32} + x^{30} \\
& + x^{24} + x^{20} + x^{18} + x^{12}, \\
p_9(x) = & x^{142} + x^{139} + x^{138} + x^{136} + x^{134} + x^{133} + x^{132} + x^{130} + x^{129} + x^{126} \\
& + x^{125} + x^{124} + x^{123} + x^{121} + x^{120} + x^{118} + x^{46} + x^{43} + x^{42} + x^{40} \\
& + x^{38} + x^{37} + x^{36} + x^{34} + x^{33} + x^{29} + x^{28} + x^{26} + x^{25} + x^{21} + x^{20} \\
& + x^{18} + x^{17} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{148} + x^{140} + x^{124} + x^{120} + x^{116} + x^{112} + x^{52} + x^{44} + x^{36} + x^{24} \\
& + x^{20} + x^{16} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{130} + x^{129} + x^{128} \\
& + x^{126} + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{118} + x^{115} + x^{112} \\
& + x^{110} + x^{109} + x^{108} + x^{103} + x^{99} + x^{95} + x^{93} + x^{92} + x^{86} + x^{84} \\
& + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{75} + x^{74} + x^{68} + x^{67} + x^{66} + x^{65}
\end{aligned}$$

$$\begin{aligned}
& + x^{64} + x^{63} + x^{62} + x^{54} + x^{53} + x^{51} + x^{50} + x^{49} + x^{47} + x^{44} + x^{42}, \\
p_3(x) = & x^{139} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} \\
& + x^{125} + x^{123} + x^{122} + x^{120} + x^{118} + x^{114} + x^{110} + x^{109} + x^{108} \\
& + x^{107} + x^{106} + x^{105} + x^{103} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} \\
& + x^{91} + x^{90} + x^{89} + x^{87} + x^{86} + x^{81} + x^{79} + x^{78} + x^{77} + x^{76} + x^{73} \\
& + x^{71} + x^{69} + x^{67} + x^{64} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} + x^{53} \\
& + x^{52} + x^{51} + x^{46} + x^{45} + x^{44} + x^{41} + x^{38} + x^{37} + x^{33} + x^{32} + x^{31} \\
& + x^{30} + x^{28} + x^{26} + x^{25} + x^{24} + x^{22}, \\
p_6(x) = & x^{143} + x^{141} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} \\
& + x^{129} + x^{128} + x^{126} + x^{124} + x^{122} + x^{121} + x^{120} + x^{115} + x^{112} \\
& + x^{111} + x^{110} + x^{109} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{98} + x^{97} \\
& + x^{94} + x^{93} + x^{92} + x^{89} + x^{88} + x^{87} + x^{83} + x^{79} + x^{75} + x^{68} + x^{66} \\
& + x^{63} + x^{61} + x^{60} + x^{45} + x^{44} + x^{43} + x^{41} + x^{36} + x^{35} + x^{34} + x^{31} \\
& + x^{30} + x^{29} + x^{28} + x^{27} + x^{22} + x^{21} + x^{20} + x^{17} + x^{12} + x^{10} + x^8 \\
& + x^6 + x^4 + x^3 + x^2 + x + 1, \\
p_9(x) = & x^{139} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} \\
& + x^{123} + x^{122} + x^{121} + x^{120} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} \\
& + x^{35} + x^{33} + x^{30} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} \\
& + x^{17} + x^{14} + x^{12} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{123} + x^{121} + x^{118} + x^{116} \\
& + x^{115} + x^{114} + x^{113} + x^{112} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} \\
& + x^{35} + x^{33} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} + x^{25} + x^{22} + x^{20} + x^{19} \\
& + x^{18} + x^{17} + x^{16} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{127} \\
& + x^{125} + x^{124} + x^{122} + x^{121} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} \\
& + x^{112} + x^{107} + x^{106} + x^{105} + x^{103} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} \\
& + x^{96} + x^{95} + x^{93} + x^{92} + x^{91} + x^{88} + x^{86} + x^{85} + x^{80} + x^{78} + x^{77} \\
& + x^{71} + x^{70} + x^{69} + x^{68} + x^{66} + x^{65} + x^{63} + x^{60} + x^{59} + x^{58} + x^{56} \\
& + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{45} + x^{42} + x^{41} + x^{39} + x^{37} + x^{35} \\
& + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{24}, \\
p_3(x) = & x^{139} + x^{137} + x^{134} + x^{132} + x^{130} + x^{128} + x^{127} + x^{125} + x^{124} + x^{123} \\
& + x^{121} + x^{115} + x^{113} + x^{111} + x^{110} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} \\
& + x^{92} + x^{91} + x^{88} + x^{87} + x^{82} + x^{71} + x^{69} + x^{68} + x^{63} + x^{62} + x^{59}
\end{aligned}$$

$$\begin{aligned}
& + x^{57} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{49} + x^{46} + x^{45} + x^{43} + x^{40} \\
& + x^{39} + x^{35} + x^{29} + x^{28} + x^{26} + x^{23} + x^{22} + x^{21} + x^{19} + x^{18} + x^{17} \\
& + x^{16}, \\
p_6(x) = & x^{143} + x^{141} + x^{138} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} + x^{127} \\
& + x^{126} + x^{125} + x^{120} + x^{119} + x^{118} + x^{116} + x^{108} + x^{107} + x^{106} \\
& + x^{100} + x^{99} + x^{98} + x^{97} + x^{93} + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} \\
& + x^{85} + x^{83} + x^{82} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} \\
& + x^{71} + x^{70} + x^{68} + x^{66} + x^{63} + x^{60} + x^{57} + x^{56} + x^{49} + x^{47} + x^{43} \\
& + x^{42} + x^{38} + x^{37} + x^{30} + x^{29} + x^{28} + x^{26} + x^{25} + x^{22} + x^{21} + x^{16} \\
& + x^{15} + x^{13} + x^{12} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1, \\
p_9(x) = & x^{139} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} \\
& + x^{123} + x^{122} + x^{121} + x^{120} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} \\
& + x^{35} + x^{33} + x^{30} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} \\
& + x^{17} + x^{14} + x^{12} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) = & x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{123} + x^{121} + x^{118} + x^{116} \\
& + x^{115} + x^{114} + x^{113} + x^{112} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} \\
& + x^{35} + x^{33} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} + x^{25} + x^{22} + x^{20} + x^{19} \\
& + x^{18} + x^{17} + x^{16} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{142} + x^{139} + x^{138} + x^{137} + x^{133} + x^{132} + x^{131} + x^{130} + x^{126} \\
& + x^{123} + x^{119} + x^{118} + x^{115} + x^{114} + x^{111} + x^{110} + x^{107} + x^{105} \\
& + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{94} + x^{93} + x^{92} + x^{91} + x^{90} + x^{87} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{73} + x^{69} + x^{68} + x^{67} \\
& + x^{66} + x^{65} + x^{64} + x^{62} + x^{61} + x^{59} + x^{57} + x^{56} + x^{54} + x^{48} + x^{44} \\
& + x^{43} + x^{41} + x^{38} + x^{36} + x^{33}, \\
p_3(x) = & x^{130} + x^{127} + x^{126} + x^{119} + x^{117} + x^{112} + x^{110} + x^{108} + x^{104} + x^{103} \\
& + x^{100} + x^{96} + x^{93} + x^{92} + x^{86} + x^{85} + x^{82} + x^{80} + x^{77} + x^{76} + x^{70} \\
& + x^{69} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{55} + x^{54} + x^{47} + x^{45} + x^{40} \\
& + x^{38} + x^{36} + x^{32} + x^{31} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} \\
& + x^{18}, \\
p_6(x) = & x^{136} + x^{130} + x^{124} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{108} + x^{104} \\
& + x^{98} + x^{96} + x^{92} + x^{88} + x^{86} + x^{76} + x^{74} + x^{72} + x^{70} + x^{62} + x^{60} \\
& + x^{58} + x^{52} + x^{50} + x^{44} + x^{42} + x^{40} + x^{38} + x^{36} + x^{34} + x^{32} + x^{30} \\
& + x^{24} + x^{20} + x^{18} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_9(x) &= x^{142} + x^{139} + x^{138} + x^{136} + x^{134} + x^{133} + x^{132} + x^{130} + x^{129} + x^{126} \\
&\quad + x^{125} + x^{124} + x^{123} + x^{121} + x^{120} + x^{118} + x^{46} + x^{43} + x^{42} + x^{40} \\
&\quad + x^{38} + x^{37} + x^{36} + x^{34} + x^{33} + x^{29} + x^{28} + x^{26} + x^{25} + x^{21} + x^{20} \\
&\quad + x^{18} + x^{17} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{148} + x^{140} + x^{124} + x^{120} + x^{116} + x^{112} + x^{52} + x^{44} + x^{36} + x^{24} \\
&\quad + x^{20} + x^{16} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{160} + x^{154} + x^{152} + x^{151} + x^{150} + x^{149} + x^{148} + x^{146} + x^{145} + x^{142} \\
&\quad + x^{141} + x^{140} + x^{138} + x^{137} + x^{136} + x^{134} + x^{130} + x^{129} + x^{128} \\
&\quad + x^{127} + x^{126} + x^{122} + x^{119} + x^{118} + x^{115} + x^{114} + x^{113} + x^{112} \\
&\quad + x^{110} + x^{106} + x^{104} + x^{101} + x^{100} + x^{99} + x^{96} + x^{93} + x^{91} + x^{86} \\
&\quad + x^{85} + x^{84} + x^{82} + x^{80} + x^{77} + x^{75} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} \\
&\quad + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{59} + x^{56} + x^{54} + x^{52} + x^{49} + x^{48} \\
&\quad + x^{47} + x^{45} + x^{44} + x^{42} + x^{41} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{142} + x^{139} + x^{138} + x^{134} + x^{130} + x^{129} + x^{124} + x^{123} + x^{121} + x^{120} \\
&\quad + x^{119} + x^{118} + x^{115} + x^{110} + x^{109} + x^{107} + x^{106} + x^{105} + x^{104} \\
&\quad + x^{101} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{87} + x^{86} + x^{79} + x^{78} + x^{77} \\
&\quad + x^{75} + x^{72} + x^{71} + x^{70} + x^{68} + x^{65} + x^{64} + x^{63} + x^{61} + x^{58} + x^{57} \\
&\quad + x^{56} + x^{54} + x^{51} + x^{50} + x^{49} + x^{47} + x^{44} + x^{43} + x^{42} + x^{40} + x^{38} \\
&\quad + x^{37} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{28} + x^{27} + x^{26} + x^{25} + x^{23} \\
&\quad + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{148} + x^{142} + x^{140} + x^{136} + x^{132} + x^{130} + x^{118} + x^{116} + x^{112} + x^{108} \\
&\quad + x^{106} + x^{96} + x^{94} + x^{92} + x^{90} + x^{82} + x^{80} + x^{78} + x^{72} + x^{70} + x^{64} \\
&\quad + x^{62} + x^{58} + x^{56} + x^{50} + x^{48} + x^{42} + x^{38} + x^{36} + x^{34} + x^{32} + x^{28} \\
&\quad + x^{26} + x^{24} + x^{22} + x^{18} + x^{16} + x^{12}, \\
p_9(x) &= x^{154} + x^{151} + x^{150} + x^{148} + x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{135} \\
&\quad + x^{132} + x^{131} + x^{130} + x^{129} + x^{127} + x^{123} + x^{122} + x^{121} + x^{120} \\
&\quad + x^{118} + x^{58} + x^{55} + x^{54} + x^{52} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{42} \\
&\quad + x^{38} + x^{35} + x^{34} + x^{32} + x^{29} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} \\
&\quad + x^{22} + x^{20} + x^{19} + x^{18} + x^{17} + x^{15} + x^{11} + x^{10} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{160} + x^{144} + x^{140} + x^{136} + x^{132} + x^{120} + x^{112} + x^{64} + x^{44} + x^{40} \\
&\quad + x^{36} + x^{32} + x^{28} + x^{20} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{130} + x^{129} + x^{128} \\
&\quad + x^{126} + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{118} + x^{115} + x^{112} \\
&\quad + x^{110} + x^{109} + x^{108} + x^{103} + x^{99} + x^{95} + x^{93} + x^{92} + x^{86} + x^{84} \\
&\quad + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{75} + x^{74} + x^{68} + x^{67} + x^{66} + x^{65} \\
&\quad + x^{64} + x^{63} + x^{62} + x^{54} + x^{53} + x^{51} + x^{50} + x^{49} + x^{47} + x^{44} + x^{42}, \\
p_3(x) &= x^{139} + x^{137} + x^{134} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} \\
&\quad + x^{125} + x^{123} + x^{122} + x^{120} + x^{118} + x^{114} + x^{110} + x^{109} + x^{108} \\
&\quad + x^{107} + x^{106} + x^{105} + x^{103} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} \\
&\quad + x^{91} + x^{90} + x^{89} + x^{87} + x^{86} + x^{81} + x^{79} + x^{78} + x^{77} + x^{76} + x^{73} \\
&\quad + x^{71} + x^{69} + x^{67} + x^{64} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} + x^{53} \\
&\quad + x^{52} + x^{51} + x^{46} + x^{45} + x^{44} + x^{41} + x^{38} + x^{37} + x^{33} + x^{32} + x^{31} \\
&\quad + x^{30} + x^{28} + x^{26} + x^{25} + x^{24} + x^{22}, \\
p_6(x) &= x^{143} + x^{141} + x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} \\
&\quad + x^{129} + x^{128} + x^{126} + x^{124} + x^{122} + x^{121} + x^{120} + x^{115} + x^{112} \\
&\quad + x^{111} + x^{110} + x^{109} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{98} + x^{97} \\
&\quad + x^{94} + x^{93} + x^{92} + x^{89} + x^{88} + x^{87} + x^{83} + x^{79} + x^{75} + x^{68} + x^{66} \\
&\quad + x^{63} + x^{61} + x^{60} + x^{45} + x^{44} + x^{43} + x^{41} + x^{36} + x^{35} + x^{34} + x^{31} \\
&\quad + x^{30} + x^{29} + x^{28} + x^{27} + x^{22} + x^{21} + x^{20} + x^{17} + x^{12} + x^{10} + x^8 \\
&\quad + x^6 + x^4 + x^3 + x^2 + x + 1, \\
p_9(x) &= x^{139} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{131} + x^{129} + x^{126} + x^{124} \\
&\quad + x^{123} + x^{122} + x^{121} + x^{120} + x^{43} + x^{41} + x^{39} + x^{38} + x^{37} + x^{36} \\
&\quad + x^{35} + x^{33} + x^{30} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} \\
&\quad + x^{17} + x^{14} + x^{12} + x^{11} + x^{10} + x^9 + x^8, \\
p_{12}(x) &= x^{147} + x^{145} + x^{143} + x^{142} + x^{141} + x^{140} + x^{123} + x^{121} + x^{118} + x^{116} \\
&\quad + x^{115} + x^{114} + x^{113} + x^{112} + x^{51} + x^{49} + x^{47} + x^{46} + x^{45} + x^{44} \\
&\quad + x^{35} + x^{33} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} + x^{25} + x^{22} + x^{20} + x^{19} \\
&\quad + x^{18} + x^{17} + x^{16} + x^{11} + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1,
\end{aligned}$$

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

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

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

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	2550	[1264, 3319]	5100	[3596, 1101]	7650	[9020, 2554]
1	[3, 4]	2551	[4211, 113]	5101	[6900, 7020]	7651	[9021, 9022]
2	[5, 6]	2552	[4212, 4213]	5102	[3241, 3580]	7652	[9023, 8914]

3	[7, 8]	2553	[4214, 4215]	5103	[7021, 427]	7653	[9024, 8908]
4	[9, 10]	2554	[4216, 1645]	5104	[7022, 4107]	7654	[8380, 838]
5	[11, 12]	2555	[4217, 4218]	5105	[7023, 7024]	7655	[9025, 8750]
6	[13, 14]	2556	[4219, 4220]	5106	[6944, 7025]	7656	[5289, 9026]
7	[15, 16]	2557	[4221, 4222]	5107	[7026, 6857]	7657	[5291, 9027]
8	[17, 18]	2558	[1752, 3188]	5108	[1680, 4254]	7658	[2448, 9028]
9	[19, 20]	2559	[1562, 4223]	5109	[7027, 7028]	7659	[9029, 8804]
10	[21, 22]	2560	[4224, 4225]	5110	[7029, 7030]	7660	[1913, 8471]
11	[23, 24]	2561	[4226, 1597]	5111	[7031, 3841]	7661	[9030, 2898]
12	[25, 26]	2562	[4227, 4228]	5112	[1525, 7032]	7662	[5084, 6057]
13	[27, 28]	2563	[3644, 4229]	5113	[7033, 3082]	7663	[9031, 5013]
14	[29, 30]	2564	[411, 3814]	5114	[7034, 3845]	7664	[9032, 9033]
15	[31, 32]	2565	[4230, 4231]	5115	[7035, 7036]	7665	[9034, 8918]
16	[33, 34]	2566	[4232, 4233]	5116	[4364, 7037]	7666	[2452, 2294]
17	[35, 36]	2567	[4234, 4235]	5117	[7038, 7039]	7667	[8708, 5502]
18	[37, 38]	2568	[4236, 3545]	5118	[4292, 994]	7668	[4908, 2988]
19	[39, 40]	2569	[4237, 4238]	5119	[6839, 4499]	7669	[9035, 1841]
20	[41, 42]	2570	[4239, 4240]	5120	[4580, 7040]	7670	[5831, 8816]
21	[43, 44]	2571	[3047, 1216]	5121	[7041, 7042]	7671	[6094, 5197]
22	[45, 46]	2572	[1539, 3683]	5122	[3394, 7043]	7672	[6315, 636]
23	[47, 48]	2573	[4241, 965]	5123	[7044, 7045]	7673	[5220, 9036]
24	[49, 50]	2574	[1748, 3120]	5124	[6886, 366]	7674	[9037, 6518]
25	[51, 52]	2575	[4242, 4243]	5125	[7046, 6807]	7675	[4978, 6557]
26	[53, 54]	2576	[4244, 4245]	5126	[6975, 7047]	7676	[2031, 6212]
27	[55, 56]	2577	[4246, 386]	5127	[7048, 7049]	7677	[6334, 9038]
28	[57, 58]	2578	[4247, 4248]	5128	[3430, 7050]	7678	[186, 8962]
29	[59, 60]	2579	[1722, 4249]	5129	[3049, 3988]	7679	[9039, 9040]
30	[61, 62]	2580	[3868, 3380]	5130	[7051, 7052]	7680	[1855, 2711]
31	[63, 64]	2581	[4250, 4251]	5131	[4741, 1298]	7681	[2573, 2422]
32	[65, 66]	2582	[4252, 4253]	5132	[7053, 7054]	7682	[9041, 2047]
33	[67, 68]	2583	[275, 4254]	5133	[4641, 7055]	7683	[5663, 9042]
34	[69, 70]	2584	[4255, 3798]	5134	[1224, 4150]	7684	[8678, 10]
35	[71, 72]	2585	[4256, 4257]	5135	[3680, 7056]	7685	[6618, 5850]
36	[73, 74]	2586	[4258, 4259]	5136	[1696, 7057]	7686	[39, 9043]
37	[75, 76]	2587	[3857, 4260]	5137	[7058, 4365]	7687	[9044, 2732]
38	[77, 78]	2588	[4261, 4262]	5138	[1305, 1401]	7688	[9045, 9046]
39	[79, 80]	2589	[4263, 4264]	5139	[4336, 7059]	7689	[9047, 1800]
40	[81, 82]	2590	[3530, 4265]	5140	[6894, 7060]	7690	[9048, 5628]
41	[83, 84]	2591	[3590, 4266]	5141	[6950, 7061]	7691	[9049, 8650]
42	[85, 86]	2592	[3319, 1708]	5142	[7062, 950]	7692	[5177, 4886]
43	[87, 88]	2593	[1276, 4267]	5143	[7063, 1685]	7693	[9050, 9051]
44	[89, 90]	2594	[4268, 1440]	5144	[7064, 6713]	7694	[6475, 5111]
45	[91, 92]	2595	[4269, 3733]	5145	[7065, 7066]	7695	[9052, 2257]
46	[93, 94]	2596	[3736, 4270]	5146	[7067, 4231]	7696	[2998, 8561]

47	[95, 96]	2597	[4271, 4272]	5147	[4604, 7068]	7697	[2067, 5893]
48	[97, 98]	2598	[4273, 4274]	5148	[1279, 7069]	7698	[4936, 517]
49	[99, 100]	2599	[3333, 4275]	5149	[1200, 4284]	7699	[2729, 2809]
50	[101, 102]	2600	[4276, 4277]	5150	[6959, 7070]	7700	[4960, 703]
51	[103, 104]	2601	[4278, 1191]	5151	[3887, 3594]	7701	[9053, 5332]
52	[105, 106]	2602	[1549, 4279]	5152	[1375, 4446]	7702	[576, 5541]
53	[107, 72]	2603	[4280, 4281]	5153	[1588, 7071]	7703	[9054, 5183]
54	[108, 109]	2604	[1655, 4282]	5154	[4043, 3986]	7704	[8676, 5856]
55	[110, 111]	2605	[4283, 4284]	5155	[7072, 7073]	7705	[9055, 8463]
56	[112, 113]	2606	[4285, 4286]	5156	[7074, 7075]	7706	[5690, 9056]
57	[114, 115]	2607	[4287, 4288]	5157	[4359, 1581]	7707	[5123, 584]
58	[116, 117]	2608	[4289, 4290]	5158	[3896, 1618]	7708	[6539, 8745]
59	[118, 119]	2609	[4291, 4292]	5159	[1619, 6887]	7709	[9057, 2792]
60	[120, 121]	2610	[4293, 4294]	5160	[1550, 7076]	7710	[2200, 5521]
61	[122, 123]	2611	[4295, 4296]	5161	[7077, 1613]	7711	[9058, 2149]
62	[124, 125]	2612	[4297, 4298]	5162	[7078, 7079]	7712	[9013, 9059]
63	[126, 127]	2613	[4013, 3529]	5163	[7080, 6984]	7713	[8815, 9060]
64	[128, 129]	2614	[4299, 3385]	5164	[7081, 7082]	7714	[8910, 8504]
65	[130, 131]	2615	[4300, 4301]	5165	[1043, 453]	7715	[2436, 5661]
66	[132, 133]	2616	[3238, 4302]	5166	[7083, 7084]	7716	[9061, 6388]
67	[134, 135]	2617	[1406, 4303]	5167	[4393, 6679]	7717	[8693, 9062]
68	[136, 137]	2618	[4304, 4305]	5168	[7085, 7086]	7718	[5167, 5220]
69	[138, 139]	2619	[3168, 3944]	5169	[1480, 7087]	7719	[9063, 2129]
70	[140, 141]	2620	[4306, 4307]	5170	[1579, 6823]	7720	[9064, 8531]
71	[142, 143]	2621	[4308, 4031]	5171	[7088, 304]	7721	[2940, 8674]
72	[144, 145]	2622	[4309, 3731]	5172	[1008, 7089]	7722	[9065, 9051]
73	[146, 147]	2623	[4310, 4168]	5173	[7090, 7091]	7723	[5451, 2951]
74	[148, 149]	2624	[4311, 4312]	5174	[3366, 4106]	7724	[869, 5538]
75	[150, 151]	2625	[4313, 4314]	5175	[7092, 7093]	7725	[599, 9066]
76	[152, 153]	2626	[3427, 4315]	5176	[7094, 3611]	7726	[9067, 4839]
77	[154, 155]	2627	[4316, 4317]	5177	[6725, 7095]	7727	[5207, 8979]
78	[156, 157]	2628	[4318, 4319]	5178	[7096, 3738]	7728	[833, 4828]
79	[158, 159]	2629	[4320, 4321]	5179	[4556, 7097]	7729	[6447, 8691]
80	[160, 161]	2630	[4322, 4323]	5180	[7098, 292]	7730	[2752, 6263]
81	[162, 163]	2631	[4324, 1160]	5181	[7099, 7100]	7731	[8883, 5524]
82	[164, 165]	2632	[1614, 4325]	5182	[4625, 3545]	7732	[5976, 8884]
83	[166, 167]	2633	[4326, 4327]	5183	[7101, 3414]	7733	[5826, 9068]
84	[168, 169]	2634	[4328, 1008]	5184	[4463, 1477]	7734	[9069, 4819]
85	[170, 171]	2635	[4329, 4330]	5185	[7102, 6770]	7735	[9070, 9071]
86	[172, 173]	2636	[4331, 4332]	5186	[6654, 6951]	7736	[5828, 5301]
87	[174, 175]	2637	[4333, 3800]	5187	[4437, 7103]	7737	[9072, 9073]
88	[176, 177]	2638	[4334, 4335]	5188	[7104, 7105]	7738	[8543, 5253]
89	[178, 179]	2639	[3222, 4336]	5189	[7106, 7107]	7739	[5218, 9074]
90	[180, 181]	2640	[3561, 4337]	5190	[7108, 4303]	7740	[734, 9075]

91	[182, 183]	2641	[4110, 4338]	5191	[7109, 7110]	7741	[2931, 9042]
92	[184, 185]	2642	[410, 1034]	5192	[1382, 1367]	7742	[9076, 9077]
93	[186, 187]	2643	[1019, 3161]	5193	[7111, 7112]	7743	[5442, 2763]
94	[188, 189]	2644	[4339, 4340]	5194	[7113, 1167]	7744	[8577, 5522]
95	[190, 191]	2645	[4341, 4342]	5195	[7114, 3792]	7745	[8848, 9078]
96	[192, 193]	2646	[311, 104]	5196	[1308, 7115]	7746	[6173, 2775]
97	[194, 195]	2647	[3323, 3609]	5197	[1674, 7116]	7747	[5047, 8983]
98	[196, 197]	2648	[4343, 4344]	5198	[4003, 7117]	7748	[6525, 2444]
99	[198, 199]	2649	[1158, 3712]	5199	[1613, 1059]	7749	[9079, 2756]
100	[200, 201]	2650	[4345, 4346]	5200	[3132, 3142]	7750	[4990, 5228]
101	[202, 203]	2651	[4347, 4348]	5201	[7118, 976]	7751	[4853, 8888]
102	[204, 205]	2652	[4349, 1464]	5202	[7119, 7120]	7752	[9080, 2461]
103	[206, 207]	2653	[4350, 3807]	5203	[7121, 7122]	7753	[9081, 9082]
104	[208, 209]	2654	[4351, 4352]	5204	[7123, 1471]	7754	[9083, 5020]
105	[210, 211]	2655	[4353, 4354]	5205	[7124, 7125]	7755	[8858, 2210]
106	[212, 213]	2656	[3173, 3309]	5206	[6740, 3658]	7756	[8992, 8582]
107	[214, 215]	2657	[3650, 4355]	5207	[4631, 7126]	7757	[9084, 5312]
108	[216, 217]	2658	[4356, 4357]	5208	[3399, 1719]	7758	[6605, 6471]
109	[218, 219]	2659	[4358, 4359]	5209	[7127, 3837]	7759	[5623, 9056]
110	[220, 221]	2660	[3437, 4360]	5210	[7128, 7129]	7760	[8765, 6261]
111	[222, 223]	2661	[4361, 4362]	5211	[7130, 7131]	7761	[5958, 2320]
112	[224, 225]	2662	[4363, 3557]	5212	[7132, 7133]	7762	[9085, 4855]
113	[226, 227]	2663	[4364, 4365]	5213	[7134, 4290]	7763	[9086, 4826]
114	[228, 229]	2664	[4366, 4367]	5214	[7135, 7136]	7764	[577, 9087]
115	[230, 231]	2665	[3598, 4235]	5215	[4523, 7137]	7765	[8967, 545]
116	[232, 233]	2666	[3313, 3395]	5216	[1296, 7138]	7766	[6521, 8597]
117	[234, 235]	2667	[1248, 4368]	5217	[7139, 3452]	7767	[9088, 5396]
118	[236, 237]	2668	[4369, 4370]	5218	[7140, 7141]	7768	[5580, 5869]
119	[238, 239]	2669	[4016, 4371]	5219	[7142, 7143]	7769	[6559, 2905]
120	[240, 241]	2670	[3750, 4372]	5220	[7144, 4061]	7770	[1831, 6041]
121	[242, 243]	2671	[4373, 4374]	5221	[7145, 7146]	7771	[2112, 6614]
122	[244, 245]	2672	[4056, 1349]	5222	[7147, 7148]	7772	[9089, 8926]
123	[246, 247]	2673	[4375, 4376]	5223	[4320, 6950]	7773	[9060, 9090]
124	[248, 181]	2674	[401, 4377]	5224	[7149, 7150]	7774	[9091, 6606]
125	[249, 250]	2675	[4378, 3543]	5225	[7151, 7152]	7775	[6048, 8749]
126	[251, 252]	2676	[4379, 4380]	5226	[3322, 7153]	7776	[9092, 6543]
127	[253, 254]	2677	[4089, 4381]	5227	[7154, 7155]	7777	[5152, 2341]
128	[255, 256]	2678	[4382, 4383]	5228	[7156, 3573]	7778	[5558, 1850]
129	[257, 258]	2679	[1006, 4384]	5229	[7157, 4510]	7779	[9093, 9094]
130	[259, 260]	2680	[4385, 4386]	5230	[7158, 7159]	7780	[8380, 2205]
131	[261, 262]	2681	[1440, 4387]	5231	[3921, 4017]	7781	[6573, 5837]
132	[263, 264]	2682	[3102, 4388]	5232	[4208, 3541]	7782	[4889, 9095]
133	[265, 266]	2683	[4389, 4390]	5233	[85, 4668]	7783	[5073, 2887]
134	[97, 267]	2684	[4391, 4392]	5234	[94, 3725]	7784	[9096, 578]

135	[268, 269]	2685	[979, 4393]	5235	[4501, 7160]	7785	[9097, 9098]
136	[270, 271]	2686	[4394, 3978]	5236	[7161, 7029]	7786	[2521, 8639]
137	[272, 273]	2687	[4395, 4396]	5237	[7162, 101]	7787	[2674, 6376]
138	[274, 275]	2688	[4397, 950]	5238	[7102, 3092]	7788	[9099, 8881]
139	[276, 277]	2689	[1494, 4398]	5239	[7163, 7164]	7789	[9100, 4972]
140	[278, 279]	2690	[3206, 19]	5240	[4587, 7165]	7790	[9101, 5811]
141	[280, 119]	2691	[1750, 4399]	5241	[7166, 3203]	7791	[8600, 8805]
142	[281, 282]	2692	[4400, 4401]	5242	[6746, 7167]	7792	[197, 921]
143	[283, 284]	2693	[4402, 3752]	5243	[7168, 7169]	7793	[9102, 9103]
144	[285, 286]	2694	[4403, 4260]	5244	[485, 6922]	7794	[9104, 8773]
145	[287, 288]	2695	[4404, 4405]	5245	[7170, 6716]	7795	[9105, 8460]
146	[289, 290]	2696	[4388, 4194]	5246	[7171, 6892]	7796	[1785, 8883]
147	[291, 292]	2697	[4406, 4407]	5247	[7172, 7173]	7797	[9106, 2766]
148	[271, 293]	2698	[1037, 4408]	5248	[7174, 7175]	7798	[4907, 6135]
149	[294, 295]	2699	[4409, 4410]	5249	[7176, 973]	7799	[9107, 2336]
150	[296, 297]	2700	[4296, 4411]	5250	[4246, 7177]	7800	[9108, 8862]
151	[298, 299]	2701	[1579, 3230]	5251	[7178, 7179]	7801	[6514, 2383]
152	[300, 301]	2702	[4412, 4413]	5252	[3513, 261]	7802	[4791, 5141]
153	[302, 303]	2703	[4414, 1102]	5253	[7180, 7181]	7803	[630, 6356]
154	[304, 305]	2704	[4415, 4416]	5254	[4511, 7069]	7804	[2975, 8393]
155	[306, 307]	2705	[4417, 3811]	5255	[7182, 7183]	7805	[818, 9109]
156	[76, 308]	2706	[24, 4418]	5256	[7184, 1161]	7806	[9110, 9111]
157	[78, 309]	2707	[4419, 4420]	5257	[7185, 7186]	7807	[616, 9112]
158	[310, 311]	2708	[1383, 1368]	5258	[7187, 7188]	7808	[8760, 9113]
159	[312, 313]	2709	[111, 4421]	5259	[4303, 7189]	7809	[9114, 8893]
160	[314, 315]	2710	[4422, 3578]	5260	[7190, 476]	7810	[9115, 9116]
161	[316, 317]	2711	[4423, 4424]	5261	[7191, 7192]	7811	[8701, 6491]
162	[318, 319]	2712	[4425, 4426]	5262	[3676, 7193]	7812	[5374, 2031]
163	[320, 321]	2713	[4427, 3065]	5263	[3747, 7194]	7813	[5341, 5077]
164	[322, 323]	2714	[4428, 3677]	5264	[3754, 7195]	7814	[2298, 5961]
165	[324, 325]	2715	[4429, 4201]	5265	[7196, 7197]	7815	[5593, 8995]
166	[326, 327]	2716	[386, 3684]	5266	[7198, 7199]	7816	[9117, 8692]
167	[328, 329]	2717	[3223, 3894]	5267	[3950, 4661]	7817	[6208, 4951]
168	[330, 331]	2718	[4430, 4431]	5268	[7200, 1723]	7818	[9118, 8336]
169	[332, 333]	2719	[4432, 4433]	5269	[7201, 7202]	7819	[5464, 6116]
170	[334, 335]	2720	[4434, 4435]	5270	[4725, 3096]	7820	[5539, 8363]
171	[336, 337]	2721	[4436, 4437]	5271	[3875, 1505]	7821	[8698, 5681]
172	[338, 339]	2722	[4438, 4439]	5272	[408, 7203]	7822	[9119, 684]
173	[340, 341]	2723	[339, 4440]	5273	[7204, 7205]	7823	[5392, 8703]
174	[342, 343]	2724	[4441, 4442]	5274	[7206, 7207]	7824	[5963, 8953]
175	[344, 345]	2725	[4443, 4444]	5275	[7208, 7209]	7825	[9120, 8947]
176	[346, 347]	2726	[4445, 971]	5276	[7210, 7211]	7826	[9121, 5882]
177	[348, 349]	2727	[4325, 4446]	5277	[7212, 7213]	7827	[5550, 6037]
178	[350, 351]	2728	[1693, 4447]	5278	[7214, 6918]	7828	[8415, 5215]

179	[352, 353]	2729	[4448, 4449]	5279	[3428, 1302]	7829	[8339, 5760]
180	[354, 355]	2730	[3932, 3943]	5280	[7215, 7216]	7830	[9122, 6173]
181	[356, 357]	2731	[4450, 4451]	5281	[16, 7217]	7831	[9123, 5915]
182	[358, 359]	2732	[3711, 287]	5282	[6736, 7183]	7832	[8530, 9124]
183	[360, 361]	2733	[4452, 3363]	5283	[7218, 7219]	7833	[9125, 6008]
184	[362, 363]	2734	[4453, 107]	5284	[3974, 7220]	7834	[709, 5178]
185	[364, 365]	2735	[366, 4454]	5285	[4184, 7221]	7835	[9126, 2668]
186	[366, 367]	2736	[3403, 4455]	5286	[7222, 4527]	7836	[6595, 5935]
187	[368, 369]	2737	[4456, 1741]	5287	[3425, 7086]	7837	[5966, 783]
188	[370, 371]	2738	[4457, 3539]	5288	[1664, 7223]	7838	[5987, 9127]
189	[372, 373]	2739	[4458, 4340]	5289	[7224, 3354]	7839	[6038, 9128]
190	[279, 374]	2740	[4459, 4460]	5290	[1652, 7225]	7840	[1809, 825]
191	[375, 376]	2741	[1618, 4408]	5291	[7226, 7227]	7841	[9129, 2895]
192	[377, 378]	2742	[4154, 4461]	5292	[7228, 7229]	7842	[6236, 5851]
193	[379, 380]	2743	[3039, 3024]	5293	[7230, 7145]	7843	[9130, 1945]
194	[381, 382]	2744	[4462, 1403]	5294	[6722, 7231]	7844	[6513, 8570]
195	[383, 384]	2745	[4463, 4464]	5295	[3224, 4436]	7845	[8595, 5036]
196	[385, 386]	2746	[4465, 4466]	5296	[7232, 7233]	7846	[214, 2688]
197	[387, 388]	2747	[4398, 1036]	5297	[1753, 3609]	7847	[5150, 760]
198	[389, 390]	2748	[4467, 4468]	5298	[7234, 6854]	7848	[9131, 6218]
199	[391, 392]	2749	[4469, 4470]	5299	[7235, 1229]	7849	[714, 5015]
200	[393, 394]	2750	[4348, 4471]	5300	[3380, 3525]	7850	[5754, 8824]
201	[395, 396]	2751	[4472, 4473]	5301	[7236, 3867]	7851	[6258, 5027]
202	[397, 398]	2752	[4474, 3464]	5302	[3144, 7237]	7852	[5195, 8390]
203	[399, 400]	2753	[3484, 3804]	5303	[7238, 7056]	7853	[9132, 5115]
204	[401, 402]	2754	[4475, 3430]	5304	[1312, 7239]	7854	[9133, 9134]
205	[403, 404]	2755	[4476, 4477]	5305	[4528, 7240]	7855	[9135, 632]
206	[405, 406]	2756	[4478, 4183]	5306	[7241, 7242]	7856	[160, 6102]
207	[407, 408]	2757	[4479, 4480]	5307	[4361, 7028]	7857	[596, 4871]
208	[409, 410]	2758	[1682, 4481]	5308	[7243, 7244]	7858	[9136, 9137]
209	[411, 412]	2759	[4482, 1064]	5309	[7245, 1147]	7859	[1941, 2977]
210	[413, 414]	2760	[4483, 1705]	5310	[7246, 7247]	7860	[1988, 9138]
211	[415, 416]	2761	[3925, 4484]	5311	[7248, 7249]	7861	[8848, 9139]
212	[417, 418]	2762	[267, 4485]	5312	[7250, 7251]	7862	[9140, 5857]
213	[419, 420]	2763	[4486, 4487]	5313	[7252, 7253]	7863	[6155, 934]
214	[421, 422]	2764	[4488, 1730]	5314	[1378, 7254]	7864	[9141, 8956]
215	[423, 424]	2765	[4489, 4490]	5315	[7255, 3051]	7865	[9142, 2569]
216	[425, 426]	2766	[4491, 3252]	5316	[7256, 7257]	7866	[156, 4935]
217	[427, 428]	2767	[4492, 4493]	5317	[7258, 4679]	7867	[4890, 8949]
218	[429, 430]	2768	[4494, 4495]	5318	[3368, 4778]	7868	[2343, 8428]
219	[431, 432]	2769	[4496, 383]	5319	[3042, 3765]	7869	[2788, 6176]
220	[433, 434]	2770	[4497, 4498]	5320	[7259, 1465]	7870	[1916, 9060]
221	[435, 436]	2771	[4499, 1680]	5321	[3824, 7260]	7871	[5026, 5219]
222	[437, 438]	2772	[4500, 4501]	5322	[7261, 7262]	7872	[9143, 9144]

223	[439, 440]	2773	[3172, 3705]	5323	[4388, 7263]	7873	[9145, 9106]
224	[441, 442]	2774	[4502, 4503]	5324	[7264, 7265]	7874	[9146, 6124]
225	[443, 444]	2775	[4504, 4505]	5325	[7266, 3863]	7875	[9147, 5311]
226	[445, 446]	2776	[1034, 4499]	5326	[7267, 7268]	7876	[9148, 9149]
227	[447, 448]	2777	[4506, 4507]	5327	[3836, 7269]	7877	[2529, 9150]
228	[449, 450]	2778	[4508, 4367]	5328	[6978, 7270]	7878	[9085, 9151]
229	[451, 452]	2779	[4509, 4510]	5329	[6951, 7271]	7879	[681, 2173]
230	[453, 454]	2780	[3332, 4511]	5330	[7272, 7273]	7880	[9152, 5168]
231	[455, 456]	2781	[4512, 4513]	5331	[1468, 7274]	7881	[9153, 9016]
232	[457, 458]	2782	[4514, 4515]	5332	[7275, 6682]	7882	[5223, 9154]
233	[459, 460]	2783	[4516, 4517]	5333	[7276, 7277]	7883	[2182, 9155]
234	[461, 462]	2784	[4157, 4518]	5334	[4021, 4540]	7884	[9156, 9157]
235	[463, 464]	2785	[1547, 4519]	5335	[7278, 7279]	7885	[1940, 2970]
236	[465, 466]	2786	[1036, 103]	5336	[6762, 7280]	7886	[201, 5037]
237	[467, 468]	2787	[4520, 4521]	5337	[3106, 3809]	7887	[2467, 4967]
238	[469, 470]	2788	[3206, 4522]	5338	[7281, 7282]	7888	[5887, 8722]
239	[471, 472]	2789	[1081, 4523]	5339	[7283, 4044]	7889	[9158, 5033]
240	[473, 474]	2790	[4524, 4525]	5340	[7284, 7285]	7890	[8735, 2956]
241	[475, 476]	2791	[3017, 3844]	5341	[3370, 7286]	7891	[9159, 5801]
242	[477, 478]	2792	[4526, 4527]	5342	[6869, 4149]	7892	[9160, 6447]
243	[479, 480]	2793	[4528, 4529]	5343	[7287, 7288]	7893	[2714, 9161]
244	[481, 482]	2794	[4530, 1396]	5344	[1757, 7289]	7894	[9162, 8980]
245	[483, 484]	2795	[1510, 4531]	5345	[7290, 7291]	7895	[8560, 8501]
246	[485, 486]	2796	[481, 4206]	5346	[995, 1299]	7896	[9163, 641]
247	[487, 488]	2797	[4532, 3189]	5347	[7292, 3113]	7897	[2002, 874]
248	[489, 490]	2798	[4533, 1679]	5348	[255, 6794]	7898	[9164, 5195]
249	[491, 66]	2799	[3284, 3926]	5349	[7293, 7294]	7899	[5829, 8408]
250	[492, 415]	2800	[4534, 4535]	5350	[333, 4169]	7900	[8781, 9165]
251	[493, 494]	2801	[4536, 4537]	5351	[1354, 7104]	7901	[5242, 135]
252	[495, 496]	2802	[3517, 4538]	5352	[7295, 7296]	7902	[2424, 9166]
253	[497, 498]	2803	[4539, 4540]	5353	[6885, 7297]	7903	[856, 9167]
254	[499, 500]	2804	[4541, 4542]	5354	[3771, 7298]	7904	[9168, 6408]
255	[12, 501]	2805	[4543, 4544]	5355	[3287, 4011]	7905	[8880, 9169]
256	[502, 503]	2806	[4545, 4546]	5356	[7299, 1695]	7906	[5422, 9170]
257	[504, 505]	2807	[4547, 4135]	5357	[4622, 4234]	7907	[9171, 5557]
258	[506, 507]	2808	[4548, 4549]	5358	[453, 1123]	7908	[8777, 555]
259	[508, 509]	2809	[1110, 1483]	5359	[7300, 7301]	7909	[8862, 689]
260	[510, 511]	2810	[4550, 1589]	5360	[7302, 7303]	7910	[8985, 5647]
261	[512, 513]	2811	[4551, 4552]	5361	[3224, 1437]	7911	[4813, 5780]
262	[514, 515]	2812	[1166, 4553]	5362	[7304, 291]	7912	[9172, 6169]
263	[516, 517]	2813	[1567, 4554]	5363	[7187, 6926]	7913	[9173, 9007]
264	[518, 519]	2814	[4555, 4556]	5364	[422, 7305]	7914	[9174, 4986]
265	[520, 521]	2815	[3048, 3243]	5365	[7306, 7307]	7915	[5764, 8470]
266	[522, 523]	2816	[4557, 4558]	5366	[7308, 7309]	7916	[5197, 6330]

267	[524, 525]	2817	[4559, 4560]	5367	[3768, 7310]	7917	[3010, 8983]
268	[526, 527]	2818	[374, 4561]	5368	[7311, 7312]	7918	[6215, 2930]
269	[528, 529]	2819	[3300, 4562]	5369	[1015, 3721]	7919	[8469, 5765]
270	[530, 531]	2820	[4563, 333]	5370	[7313, 4381]	7920	[9175, 8606]
271	[532, 533]	2821	[4564, 3843]	5371	[7314, 7076]	7921	[2686, 2883]
272	[534, 535]	2822	[4565, 4566]	5372	[7315, 7316]	7922	[9176, 5334]
273	[536, 537]	2823	[4567, 1599]	5373	[7317, 4734]	7923	[2354, 9177]
274	[538, 539]	2824	[4568, 4569]	5374	[7035, 7318]	7924	[5217, 4999]
275	[540, 541]	2825	[4570, 4571]	5375	[7198, 4595]	7925	[8368, 9178]
276	[542, 212]	2826	[468, 4572]	5376	[3627, 4172]	7926	[8823, 1953]
277	[543, 544]	2827	[4573, 4574]	5377	[980, 7319]	7927	[8404, 5869]
278	[545, 546]	2828	[1522, 1108]	5378	[7320, 1357]	7928	[9179, 6235]
279	[547, 548]	2829	[4575, 4342]	5379	[477, 3945]	7929	[6386, 2453]
280	[549, 550]	2830	[4576, 1539]	5380	[1496, 7321]	7930	[9180, 5519]
281	[551, 552]	2831	[4577, 4158]	5381	[7322, 7125]	7931	[9181, 8866]
282	[553, 513]	2832	[4578, 4579]	5382	[7323, 4505]	7932	[5021, 9182]
283	[554, 555]	2833	[4580, 3643]	5383	[3098, 7324]	7933	[9183, 9184]
284	[556, 557]	2834	[4581, 4582]	5384	[7325, 7326]	7934	[1956, 141]
285	[558, 559]	2835	[4575, 4583]	5385	[7327, 3094]	7935	[9185, 5518]
286	[560, 561]	2836	[4584, 4585]	5386	[3961, 7014]	7936	[1902, 9186]
287	[562, 563]	2837	[4586, 3157]	5387	[1195, 7191]	7937	[8686, 763]
288	[564, 250]	2838	[4587, 4123]	5388	[4075, 7328]	7938	[9187, 9046]
289	[565, 566]	2839	[4160, 4588]	5389	[4098, 7329]	7939	[8852, 5101]
290	[567, 568]	2840	[4589, 4590]	5390	[7330, 7331]	7940	[1828, 6541]
291	[569, 570]	2841	[4591, 4592]	5391	[7332, 7333]	7941	[9188, 9189]
292	[571, 572]	2842	[1638, 4593]	5392	[7334, 4568]	7942	[9056, 169]
293	[573, 574]	2843	[3506, 1019]	5393	[4624, 7335]	7943	[6604, 2267]
294	[575, 576]	2844	[4594, 4595]	5394	[7336, 3308]	7944	[9190, 5843]
295	[577, 578]	2845	[4596, 4597]	5395	[7337, 7338]	7945	[9191, 5941]
296	[579, 580]	2846	[4598, 4599]	5396	[7339, 7032]	7946	[6267, 8878]
297	[581, 582]	2847	[4600, 1224]	5397	[3177, 7340]	7947	[2180, 5569]
298	[558, 583]	2848	[3723, 1060]	5398	[3470, 7341]	7948	[2588, 9192]
299	[584, 585]	2849	[4601, 4602]	5399	[7342, 7343]	7949	[6421, 2588]
300	[586, 587]	2850	[4603, 1453]	5400	[4472, 7344]	7950	[646, 9193]
301	[588, 589]	2851	[4604, 1364]	5401	[4241, 1386]	7951	[9194, 5065]
302	[590, 591]	2852	[4605, 372]	5402	[1409, 1563]	7952	[6419, 5258]
303	[508, 592]	2853	[3800, 4606]	5403	[3240, 1242]	7953	[9195, 635]
304	[593, 594]	2854	[4607, 4608]	5404	[7345, 427]	7954	[2347, 6300]
305	[595, 596]	2855	[4609, 3373]	5405	[3972, 431]	7955	[9196, 6320]
306	[597, 598]	2856	[4610, 1075]	5406	[7346, 6919]	7956	[9197, 8719]
307	[599, 137]	2857	[4611, 3135]	5407	[4196, 7347]	7957	[6012, 3002]
308	[151, 600]	2858	[3118, 4612]	5408	[956, 7348]	7958	[9198, 9039]
309	[155, 601]	2859	[4613, 3279]	5409	[7349, 7350]	7959	[9199, 9116]
310	[602, 541]	2860	[4614, 4615]	5410	[3020, 7351]	7960	[8602, 2339]

311	[603, 604]	2861	[4616, 4617]	5411	[355, 4266]	7961	[9200, 4828]
312	[605, 606]	2862	[1214, 4618]	5412	[3329, 1630]	7962	[1857, 5396]
313	[607, 608]	2863	[4619, 3415]	5413	[7352, 4494]	7963	[2184, 2221]
314	[609, 610]	2864	[3163, 3086]	5414	[4504, 7353]	7964	[9201, 9202]
315	[611, 612]	2865	[4620, 4621]	5415	[7354, 4189]	7965	[5154, 5722]
316	[613, 614]	2866	[4622, 3598]	5416	[7355, 7244]	7966	[6370, 9203]
317	[615, 616]	2867	[3648, 3949]	5417	[1741, 7356]	7967	[11, 5192]
318	[617, 618]	2868	[4623, 4215]	5418	[7357, 7358]	7968	[2899, 6221]
319	[619, 620]	2869	[3261, 4624]	5419	[1381, 4558]	7969	[680, 6595]
320	[621, 622]	2870	[4625, 4626]	5420	[7359, 7360]	7970	[6585, 9204]
321	[623, 624]	2871	[4627, 1541]	5421	[7361, 7362]	7971	[9205, 5575]
322	[625, 626]	2872	[4628, 4629]	5422	[7363, 7364]	7972	[5944, 3006]
323	[627, 628]	2873	[4489, 4630]	5423	[7365, 7366]	7973	[9206, 9207]
324	[629, 630]	2874	[1241, 3241]	5424	[7367, 1326]	7974	[5931, 8981]
325	[631, 632]	2875	[4631, 4233]	5425	[7085, 3296]	7975	[4915, 5523]
326	[633, 249]	2876	[4632, 4633]	5426	[1077, 4042]	7976	[5226, 1992]
327	[634, 635]	2877	[4634, 3042]	5427	[7368, 1432]	7977	[8341, 5102]
328	[636, 637]	2878	[4360, 4544]	5428	[4685, 4612]	7978	[9208, 6586]
329	[591, 638]	2879	[3897, 1228]	5429	[3570, 4535]	7979	[9107, 707]
330	[639, 640]	2880	[4635, 4182]	5430	[7369, 7370]	7980	[5059, 6574]
331	[641, 642]	2881	[4636, 4637]	5431	[7371, 3620]	7981	[9209, 13]
332	[643, 644]	2882	[4638, 4639]	5432	[7372, 7373]	7982	[5849, 636]
333	[645, 646]	2883	[4640, 1314]	5433	[7374, 7375]	7983	[2101, 2632]
334	[647, 648]	2884	[4283, 1201]	5434	[3034, 7376]	7984	[682, 2174]
335	[649, 650]	2885	[1017, 4641]	5435	[7377, 3634]	7985	[684, 9144]
336	[651, 161]	2886	[3751, 4642]	5436	[7378, 1225]	7986	[8681, 4998]
337	[652, 574]	2887	[1622, 1105]	5437	[3566, 6752]	7987	[9099, 9169]
338	[653, 654]	2888	[4643, 3175]	5438	[4652, 4455]	7988	[6329, 9210]
339	[655, 656]	2889	[4644, 4645]	5439	[7379, 7380]	7989	[5866, 9211]
340	[657, 658]	2890	[4646, 4647]	5440	[7381, 1223]	7990	[9212, 2405]
341	[659, 660]	2891	[4289, 4648]	5441	[4190, 7382]	7991	[5461, 5622]
342	[661, 662]	2892	[4649, 4650]	5442	[7383, 1554]	7992	[6301, 6573]
343	[663, 664]	2893	[3060, 4651]	5443	[7384, 4395]	7993	[9213, 9131]
344	[665, 666]	2894	[4652, 4653]	5444	[7385, 3586]	7994	[5424, 6168]
345	[667, 668]	2895	[4654, 1458]	5445	[7386, 7387]	7995	[8564, 5030]
346	[669, 670]	2896	[3471, 3663]	5446	[6667, 3776]	7996	[5667, 5075]
347	[671, 672]	2897	[1498, 1023]	5447	[7388, 7389]	7997	[9214, 2005]
348	[673, 674]	2898	[4269, 3732]	5448	[7390, 7391]	7998	[4834, 8449]
349	[675, 676]	2899	[4655, 4656]	5449	[7392, 1704]	7999	[9215, 8434]
350	[677, 678]	2900	[3194, 4657]	5450	[7393, 7394]	8000	[2349, 6227]
351	[679, 680]	2901	[4658, 4659]	5451	[7395, 4429]	8001	[9216, 1803]
352	[681, 682]	2902	[4660, 4661]	5452	[7396, 7397]	8002	[5575, 9217]
353	[683, 684]	2903	[1000, 1638]	5453	[1253, 4684]	8003	[9218, 6468]
354	[685, 686]	2904	[1161, 4662]	5454	[7398, 4178]	8004	[5109, 5642]

355	[687, 688]	2905	[4663, 1243]	5455	[7317, 7399]	8005	[5540, 8835]
356	[689, 690]	2906	[4664, 4665]	5456	[3878, 7400]	8006	[9219, 9220]
357	[691, 692]	2907	[4666, 4667]	5457	[3720, 4136]	8007	[8707, 2981]
358	[693, 694]	2908	[3628, 4668]	5458	[7401, 3913]	8008	[144, 5527]
359	[695, 696]	2909	[4669, 4670]	5459	[7402, 7403]	8009	[9221, 5135]
360	[697, 698]	2910	[4671, 4672]	5460	[7404, 7405]	8010	[2020, 8962]
361	[557, 699]	2911	[4673, 4674]	5461	[4707, 7406]	8011	[8834, 5611]
362	[700, 701]	2912	[4675, 3180]	5462	[3016, 3843]	8012	[9222, 5324]
363	[702, 703]	2913	[3707, 1427]	5463	[1066, 3925]	8013	[5338, 6207]
364	[704, 705]	2914	[3174, 4676]	5464	[1121, 7407]	8014	[9223, 4897]
365	[706, 707]	2915	[3488, 3881]	5465	[1317, 7408]	8015	[2927, 5989]
366	[708, 709]	2916	[4677, 3971]	5466	[7409, 7410]	8016	[5381, 2152]
367	[710, 711]	2917	[4678, 4473]	5467	[1102, 7271]	8017	[6041, 5768]
368	[712, 713]	2918	[4031, 4679]	5468	[7411, 402]	8018	[9224, 9078]
369	[714, 715]	2919	[284, 4680]	5469	[4294, 7412]	8019	[9225, 5123]
370	[716, 717]	2920	[4681, 3185]	5470	[358, 3101]	8020	[2513, 5994]
371	[718, 719]	2921	[4682, 4351]	5471	[7413, 3776]	8021	[6632, 8433]
372	[720, 721]	2922	[4683, 4684]	5472	[7414, 7415]	8022	[5329, 9226]
373	[722, 723]	2923	[4685, 3119]	5473	[7416, 4498]	8023	[9227, 8750]
374	[724, 725]	2924	[4686, 4687]	5474	[7417, 7316]	8024	[9228, 9182]
375	[726, 727]	2925	[3647, 4688]	5475	[1680, 3669]	8025	[5168, 9036]
376	[728, 729]	2926	[422, 4689]	5476	[6701, 3647]	8026	[9229, 6631]
377	[730, 731]	2927	[4690, 4335]	5477	[1036, 311]	8027	[9230, 2351]
378	[732, 733]	2928	[4558, 4691]	5478	[1141, 4294]	8028	[1765, 236]
379	[734, 735]	2929	[4692, 4693]	5479	[7418, 1385]	8029	[9231, 5343]
380	[736, 737]	2930	[4694, 4695]	5480	[3169, 3248]	8030	[9232, 6265]
381	[738, 739]	2931	[4081, 4696]	5481	[7419, 7420]	8031	[5916, 5446]
382	[740, 741]	2932	[4212, 1577]	5482	[7421, 1590]	8032	[9233, 5513]
383	[742, 688]	2933	[4697, 4698]	5483	[7422, 3301]	8033	[5411, 9234]
384	[743, 744]	2934	[3503, 108]	5484	[6696, 6830]	8034	[9235, 9098]
385	[745, 746]	2935	[1230, 3233]	5485	[4696, 337]	8035	[2617, 9236]
386	[747, 748]	2936	[4699, 4087]	5486	[3782, 7423]	8036	[9237, 6577]
387	[749, 750]	2937	[4700, 4701]	5487	[4357, 6662]	8037	[9238, 2184]
388	[751, 679]	2938	[4702, 4703]	5488	[7424, 7425]	8038	[9239, 9111]
389	[682, 752]	2939	[3131, 1034]	5489	[7426, 7427]	8039	[4865, 2576]
390	[753, 754]	2940	[4704, 4705]	5490	[7428, 4123]	8040	[9240, 2194]
391	[755, 756]	2941	[4706, 1556]	5491	[4572, 7223]	8041	[6583, 2334]
392	[757, 758]	2942	[4707, 4708]	5492	[7429, 7430]	8042	[2514, 5995]
393	[759, 760]	2943	[3856, 4709]	5493	[3265, 7431]	8043	[9241, 8941]
394	[761, 762]	2944	[4710, 4711]	5494	[1600, 7432]	8044	[9196, 8586]
395	[763, 764]	2945	[96, 3013]	5495	[6972, 7433]	8045	[9242, 6422]
396	[765, 766]	2946	[4712, 4470]	5496	[4167, 7434]	8046	[2094, 5206]
397	[767, 768]	2947	[4713, 3437]	5497	[3103, 7263]	8047	[8486, 5708]
398	[769, 770]	2948	[4100, 4714]	5498	[7028, 7435]	8048	[4911, 8879]

399	[771, 772]	2949	[4715, 4451]	5499	[7436, 7437]	8049	[9243, 6278]
400	[773, 774]	2950	[4496, 1339]	5500	[1007, 958]	8050	[2862, 9244]
401	[775, 776]	2951	[1485, 4716]	5501	[7438, 7401]	8051	[5977, 5034]
402	[777, 778]	2952	[3955, 4717]	5502	[6718, 6881]	8052	[9245, 2923]
403	[779, 780]	2953	[4718, 4574]	5503	[7439, 3021]	8053	[9246, 5701]
404	[781, 782]	2954	[4719, 4720]	5504	[7440, 7441]	8054	[8903, 9247]
405	[783, 784]	2955	[1050, 4721]	5505	[7276, 396]	8055	[8795, 5981]
406	[785, 786]	2956	[66, 4722]	5506	[6772, 7442]	8056	[5011, 6127]
407	[787, 788]	2957	[4723, 3992]	5507	[3458, 7305]	8057	[6254, 4999]
408	[789, 790]	2958	[4724, 4725]	5508	[3926, 4556]	8058	[538, 899]
409	[791, 792]	2959	[4726, 4727]	5509	[7443, 7444]	8059	[8655, 9090]
410	[793, 538]	2960	[3698, 3823]	5510	[3555, 6985]	8060	[9248, 9249]
411	[794, 795]	2961	[1071, 4728]	5511	[7197, 3714]	8061	[9250, 8410]
412	[796, 797]	2962	[4729, 4730]	5512	[7445, 7446]	8062	[5196, 6095]
413	[798, 799]	2963	[3162, 4731]	5513	[4250, 286]	8063	[2000, 781]
414	[800, 801]	2964	[4732, 4433]	5514	[7342, 1421]	8064	[9251, 9252]
415	[802, 803]	2965	[4733, 4734]	5515	[7447, 6956]	8065	[9253, 2284]
416	[804, 805]	2966	[4735, 439]	5516	[7441, 989]	8066	[5026, 9074]
417	[806, 807]	2967	[4736, 3524]	5517	[7448, 1035]	8067	[6383, 8985]
418	[808, 809]	2968	[4737, 4738]	5518	[7090, 7449]	8068	[6201, 2477]
419	[810, 811]	2969	[4739, 4740]	5519	[7450, 1311]	8069	[6351, 6006]
420	[526, 812]	2970	[3434, 1258]	5520	[7451, 7087]	8070	[9254, 9207]
421	[813, 814]	2971	[4741, 995]	5521	[7452, 3878]	8071	[2778, 8493]
422	[815, 816]	2972	[4742, 4743]	5522	[3127, 4157]	8072	[9255, 4843]
423	[817, 818]	2973	[4477, 4744]	5523	[7453, 3626]	8073	[6384, 9256]
424	[819, 766]	2974	[4745, 4746]	5524	[1632, 4772]	8074	[192, 6019]
425	[820, 821]	2975	[3762, 3814]	5525	[3272, 3883]	8075	[9257, 8542]
426	[822, 823]	2976	[4747, 4748]	5526	[7454, 4495]	8076	[5154, 2390]
427	[824, 642]	2977	[3689, 4749]	5527	[7455, 4404]	8077	[5615, 6462]
428	[825, 219]	2978	[3149, 4274]	5528	[7456, 1728]	8078	[3004, 6599]
429	[826, 827]	2979	[4750, 1552]	5529	[4205, 482]	8079	[5626, 9258]
430	[828, 829]	2980	[3105, 1050]	5530	[6941, 4393]	8080	[6548, 9259]
431	[830, 831]	2981	[4751, 1711]	5531	[7457, 3183]	8081	[5643, 8479]
432	[832, 833]	2982	[4752, 4753]	5532	[3624, 7458]	8082	[9260, 6360]
433	[834, 835]	2983	[4643, 4676]	5533	[7459, 7268]	8083	[9228, 5022]
434	[836, 837]	2984	[4754, 4755]	5534	[7460, 7461]	8084	[8547, 9167]
435	[838, 839]	2985	[4756, 428]	5535	[1547, 7462]	8085	[5767, 5337]
436	[554, 840]	2986	[3347, 4757]	5536	[7463, 7314]	8086	[8795, 9261]
437	[841, 842]	2987	[4458, 4758]	5537	[375, 7464]	8087	[856, 8548]
438	[843, 844]	2988	[4759, 4760]	5538	[7003, 7465]	8088	[5222, 8912]
439	[845, 846]	2989	[4761, 4721]	5539	[7466, 1222]	8089	[5275, 6118]
440	[847, 848]	2990	[4598, 4762]	5540	[7467, 7468]	8090	[9262, 9178]
441	[849, 850]	2991	[4763, 4764]	5541	[318, 7469]	8091	[8556, 6512]
442	[851, 852]	2992	[4216, 3673]	5542	[7470, 7471]	8092	[9263, 8429]

443	[853, 854]	2993	[4765, 4766]	5543	[949, 3787]	8093	[188, 6240]
444	[855, 856]	2994	[1749, 4767]	5544	[3027, 7472]	8094	[9264, 9265]
445	[857, 858]	2995	[4768, 4769]	5545	[7473, 7474]	8095	[9266, 918]
446	[859, 860]	2996	[4770, 3569]	5546	[7475, 7274]	8096	[836, 5822]
447	[861, 862]	2997	[4507, 4771]	5547	[7476, 7477]	8097	[6051, 8508]
448	[863, 864]	2998	[1021, 1531]	5548	[7478, 7479]	8098	[9267, 8735]
449	[865, 866]	2999	[3181, 4772]	5549	[7480, 1263]	8099	[9268, 8833]
450	[867, 868]	3000	[4773, 4774]	5550	[7481, 7482]	8100	[6012, 5281]
451	[869, 870]	3001	[4775, 4776]	5551	[7483, 3412]	8101	[9269, 5250]
452	[871, 872]	3002	[1474, 4777]	5552	[3949, 3114]	8102	[9270, 2600]
453	[873, 874]	3003	[4778, 4779]	5553	[7402, 7484]	8103	[4813, 5084]
454	[875, 876]	3004	[3369, 4780]	5554	[7485, 4382]	8104	[9271, 9272]
455	[877, 878]	3005	[4781, 4782]	5555	[7486, 1610]	8105	[9273, 9274]
456	[879, 880]	3006	[3341, 4783]	5556	[4178, 3505]	8106	[5371, 6298]
457	[881, 882]	3007	[4066, 4784]	5557	[7487, 7129]	8107	[9275, 5104]
458	[883, 884]	3008	[4785, 3348]	5558	[7488, 419]	8108	[9276, 8626]
459	[885, 886]	3009	[3247, 3170]	5559	[7489, 6819]	8109	[9277, 6081]
460	[887, 888]	3010	[4786, 4787]	5560	[7490, 4283]	8110	[9278, 630]
461	[889, 890]	3011	[4788, 1945]	5561	[4452, 305]	8111	[9279, 6553]
462	[891, 892]	3012	[2573, 4789]	5562	[7491, 3292]	8112	[2300, 9280]
463	[893, 894]	3013	[191, 2454]	5563	[1460, 4600]	8113	[8953, 672]
464	[895, 896]	3014	[4790, 4791]	5564	[7492, 3293]	8114	[2154, 6377]
465	[897, 898]	3015	[4792, 132]	5565	[7493, 7175]	8115	[756, 2186]
466	[899, 900]	3016	[4793, 4794]	5566	[3968, 7494]	8116	[9281, 2457]
467	[901, 902]	3017	[4795, 573]	5567	[7495, 7496]	8117	[9158, 5977]
468	[903, 904]	3018	[2727, 4796]	5568	[7497, 7498]	8118	[6286, 5842]
469	[905, 906]	3019	[4797, 4798]	5569	[7499, 7500]	8119	[9252, 8536]
470	[907, 908]	3020	[4799, 4800]	5570	[953, 7501]	8120	[2060, 9127]
471	[909, 910]	3021	[4801, 4802]	5571	[7502, 7503]	8121	[2177, 8579]
472	[762, 911]	3022	[4803, 4804]	5572	[7417, 7504]	8122	[2191, 9282]
473	[912, 913]	3023	[4805, 4806]	5573	[7505, 7506]	8123	[9283, 2329]
474	[914, 915]	3024	[4807, 4808]	5574	[1138, 3808]	8124	[9178, 6478]
475	[916, 917]	3025	[4809, 4810]	5575	[7507, 4228]	8125	[5582, 2658]
476	[918, 919]	3026	[4811, 2726]	5576	[7508, 4432]	8126	[9284, 9285]
477	[920, 921]	3027	[224, 1991]	5577	[7509, 4379]	8127	[9286, 8831]
478	[922, 923]	3028	[4812, 4813]	5578	[7510, 4029]	8128	[5631, 2890]
479	[532, 924]	3029	[4814, 4815]	5579	[7053, 7511]	8129	[35, 8495]
480	[925, 926]	3030	[1791, 4816]	5580	[7512, 4636]	8130	[9287, 2378]
481	[927, 928]	3031	[4817, 4818]	5581	[3577, 4356]	8131	[9288, 9289]
482	[929, 930]	3032	[2747, 2799]	5582	[7513, 7347]	8132	[9290, 5644]
483	[240, 931]	3033	[4819, 4820]	5583	[4156, 3128]	8133	[5480, 5743]
484	[932, 933]	3034	[633, 564]	5584	[992, 1515]	8134	[5789, 5373]
485	[934, 935]	3035	[142, 4821]	5585	[4077, 6652]	8135	[5677, 8403]
486	[764, 62]	3036	[2455, 4822]	5586	[981, 7514]	8136	[9291, 8827]

487	[936, 937]	3037	[4823, 4824]	5587	[7103, 4431]	8137	[9243, 2739]
488	[938, 233]	3038	[4825, 4826]	5588	[4135, 7515]	8138	[8478, 2380]
489	[939, 940]	3039	[4827, 496]	5589	[7516, 4107]	8139	[5612, 8577]
490	[941, 942]	3040	[4828, 2497]	5590	[7517, 7518]	8140	[9292, 2169]
491	[943, 944]	3041	[1763, 4829]	5591	[7519, 7520]	8141	[9293, 4938]
492	[945, 946]	3042	[4830, 36]	5592	[7521, 7522]	8142	[6396, 9294]
493	[947, 948]	3043	[4831, 4832]	5593	[7523, 7524]	8143	[9295, 8666]
494	[949, 123]	3044	[4833, 4834]	5594	[7525, 7526]	8144	[9296, 1930]
495	[950, 951]	3045	[4835, 729]	5595	[1447, 1121]	8145	[5752, 8472]
496	[952, 953]	3046	[2744, 2207]	5596	[7527, 7528]	8146	[9297, 8524]
497	[954, 955]	3047	[4836, 563]	5597	[7451, 7529]	8147	[9259, 9298]
498	[956, 957]	3048	[864, 2741]	5598	[426, 7530]	8148	[9299, 5683]
499	[958, 959]	3049	[4837, 4838]	5599	[7531, 7532]	8149	[747, 8344]
500	[960, 961]	3050	[4839, 591]	5600	[4053, 7533]	8150	[9300, 1897]
501	[962, 963]	3051	[4840, 863]	5601	[3349, 7534]	8151	[5594, 8465]
502	[964, 965]	3052	[4841, 913]	5602	[1414, 7535]	8152	[9301, 6003]
503	[966, 967]	3053	[202, 4842]	5603	[7536, 7537]	8153	[9302, 9134]
504	[968, 969]	3054	[4843, 4844]	5604	[7538, 7539]	8154	[5911, 4859]
505	[970, 971]	3055	[4845, 4846]	5605	[4161, 7540]	8155	[6064, 8974]
506	[972, 973]	3056	[4847, 1964]	5606	[7541, 7542]	8156	[9303, 6214]
507	[974, 975]	3057	[4848, 4849]	5607	[3555, 4688]	8157	[9304, 5977]
508	[976, 977]	3058	[4850, 4851]	5608	[7543, 7326]	8158	[2149, 243]
509	[978, 979]	3059	[4852, 1786]	5609	[7544, 3111]	8159	[9305, 9011]
510	[980, 981]	3060	[4853, 1775]	5610	[1677, 1301]	8160	[946, 6605]
511	[982, 983]	3061	[4854, 4855]	5611	[7545, 7521]	8161	[2146, 686]
512	[984, 985]	3062	[4856, 4857]	5612	[7377, 7546]	8162	[9240, 1790]
513	[986, 987]	3063	[2389, 2542]	5613	[1275, 1304]	8163	[8507, 6052]
514	[988, 989]	3064	[4858, 2244]	5614	[7547, 4542]	8164	[1998, 6396]
515	[990, 991]	3065	[933, 1792]	5615	[4221, 7548]	8165	[4891, 8950]
516	[992, 993]	3066	[704, 4859]	5616	[447, 7549]	8166	[9306, 2277]
517	[994, 995]	3067	[4860, 882]	5617	[3367, 7550]	8167	[8618, 9193]
518	[996, 997]	3068	[1779, 4861]	5618	[4426, 7551]	8168	[9307, 9308]
519	[998, 999]	3069	[4862, 2370]	5619	[7552, 7553]	8169	[5759, 8340]
520	[1000, 1001]	3070	[4863, 4864]	5620	[4146, 7554]	8170	[9309, 5055]
521	[1002, 1003]	3071	[4865, 4866]	5621	[7555, 7556]	8171	[136, 9066]
522	[1004, 1005]	3072	[4867, 2264]	5622	[958, 7089]	8172	[2827, 9290]
523	[1006, 282]	3073	[4868, 2670]	5623	[6881, 332]	8173	[9310, 5196]
524	[1007, 1008]	3074	[4869, 2945]	5624	[1237, 7557]	8174	[6071, 6045]
525	[1009, 1010]	3075	[2150, 4870]	5625	[7558, 3448]	8175	[9311, 8648]
526	[1011, 1012]	3076	[4871, 4872]	5626	[4769, 7559]	8176	[9312, 6513]
527	[1013, 1014]	3077	[2449, 4873]	5627	[3605, 7560]	8177	[6242, 8350]
528	[330, 1015]	3078	[4874, 4875]	5628	[3392, 7216]	8178	[8453, 5693]
529	[1016, 1017]	3079	[4876, 4877]	5629	[7465, 4481]	8179	[9313, 4994]
530	[1018, 1019]	3080	[816, 4878]	5630	[7561, 1703]	8180	[5872, 8957]

531	[1020, 1021]	3081	[2234, 4879]	5631	[7562, 7563]	8181	[2133, 6640]
532	[1022, 1023]	3082	[4880, 4881]	5632	[7564, 7395]	8182	[9314, 1947]
533	[1024, 1025]	3083	[4882, 2376]	5633	[7565, 7566]	8183	[2251, 8974]
534	[1026, 1027]	3084	[4883, 2092]	5634	[7567, 6691]	8184	[6402, 6601]
535	[1028, 1029]	3085	[4884, 2636]	5635	[1677, 7568]	8185	[9201, 8609]
536	[1030, 1031]	3086	[3000, 2085]	5636	[7569, 4537]	8186	[9315, 2331]
537	[1032, 1033]	3087	[1887, 4885]	5637	[4724, 3095]	8187	[2969, 2065]
538	[1034, 274]	3088	[4886, 4887]	5638	[7570, 7571]	8188	[8951, 1913]
539	[1035, 1036]	3089	[4888, 4889]	5639	[1530, 7426]	8189	[8965, 8705]
540	[1037, 1038]	3090	[4890, 4891]	5640	[7572, 492]	8190	[2594, 8906]
541	[1039, 1040]	3091	[2100, 862]	5641	[7484, 7573]	8191	[2990, 5175]
542	[1041, 1042]	3092	[4892, 4893]	5642	[1001, 4593]	8192	[9316, 5264]
543	[1043, 1044]	3093	[4894, 4895]	5643	[7574, 7575]	8193	[2579, 2505]
544	[1045, 1046]	3094	[4896, 4897]	5644	[1196, 4460]	8194	[9317, 4851]
545	[1047, 1048]	3095	[4898, 4899]	5645	[7576, 3291]	8195	[6578, 2829]
546	[1049, 1050]	3096	[4900, 4901]	5646	[7577, 1281]	8196	[811, 9290]
547	[1051, 1052]	3097	[4902, 4903]	5647	[7578, 7579]	8197	[6626, 6582]
548	[1053, 1054]	3098	[2440, 4904]	5648	[6827, 3085]	8198	[9021, 6638]
549	[469, 1055]	3099	[499, 4829]	5649	[3802, 7580]	8199	[9318, 6531]
550	[1056, 1057]	3100	[4905, 561]	5650	[1294, 969]	8200	[739, 9319]
551	[1058, 1059]	3101	[4906, 4907]	5651	[4257, 6721]	8201	[9320, 6529]
552	[1060, 1061]	3102	[2406, 1777]	5652	[4313, 7581]	8202	[2870, 2815]
553	[1062, 957]	3103	[4908, 4838]	5653	[322, 4186]	8203	[9276, 6125]
554	[1063, 1064]	3104	[4909, 1938]	5654	[6807, 7582]	8204	[9321, 2752]
555	[1065, 1066]	3105	[4910, 2227]	5655	[7386, 4208]	8205	[5186, 2456]
556	[1067, 1068]	3106	[1822, 4911]	5656	[4699, 7583]	8206	[6111, 5529]
557	[1069, 1070]	3107	[4912, 2708]	5657	[7584, 7585]	8207	[2850, 9186]
558	[1071, 1072]	3108	[4913, 4914]	5658	[259, 4447]	8208	[8593, 8830]
559	[1073, 1074]	3109	[4915, 1817]	5659	[3632, 7586]	8209	[2784, 5844]
560	[405, 1075]	3110	[4916, 4917]	5660	[7587, 1579]	8210	[8978, 5208]
561	[1076, 1077]	3111	[4918, 4919]	5661	[4561, 7588]	8211	[9322, 9137]
562	[1078, 1079]	3112	[2358, 2214]	5662	[7589, 4259]	8212	[9323, 8394]
563	[1080, 1081]	3113	[4920, 4921]	5663	[3458, 4689]	8213	[8428, 14]
564	[1082, 1083]	3114	[4922, 4923]	5664	[7590, 7591]	8214	[1859, 9068]
565	[1084, 1085]	3115	[4924, 4925]	5665	[1618, 1038]	8215	[2832, 6345]
566	[1086, 1087]	3116	[4926, 4927]	5666	[7403, 7573]	8216	[9324, 9071]
567	[1088, 1089]	3117	[4928, 1807]	5667	[7592, 1695]	8217	[6484, 6545]
568	[1090, 1091]	3118	[59, 1773]	5668	[7593, 7594]	8218	[9325, 5069]
569	[1092, 1093]	3119	[4929, 1788]	5669	[6651, 336]	8219	[9028, 9326]
570	[1094, 1095]	3120	[4930, 4931]	5670	[4771, 7595]	8220	[5772, 9327]
571	[1096, 1097]	3121	[2567, 4932]	5671	[7596, 7597]	8221	[8656, 2817]
572	[1098, 1099]	3122	[820, 4933]	5672	[1558, 3018]	8222	[2390, 6075]
573	[1100, 1101]	3123	[4934, 2713]	5673	[6962, 6705]	8223	[5592, 5067]
574	[1102, 1103]	3124	[2702, 4935]	5674	[7598, 7548]	8224	[6259, 9050]

575	[1104, 318]	3125	[4936, 2526]	5675	[1628, 7599]	8225	[2925, 9328]
576	[1105, 1106]	3126	[4937, 4938]	5676	[6779, 7600]	8226	[134, 5243]
577	[1107, 1108]	3127	[4939, 4940]	5677	[7465, 7601]	8227	[9280, 6173]
578	[1109, 1110]	3128	[4941, 193]	5678	[7602, 7240]	8228	[4963, 8613]
579	[1111, 1112]	3129	[4942, 1843]	5679	[1351, 6966]	8229	[9329, 8514]
580	[1113, 1114]	3130	[4943, 4944]	5680	[7603, 7598]	8230	[9330, 8354]
581	[1115, 1116]	3131	[4945, 4946]	5681	[3717, 3139]	8231	[2103, 899]
582	[1117, 1118]	3132	[4947, 4948]	5682	[4774, 1341]	8232	[6090, 6335]
583	[1119, 1120]	3133	[4949, 2733]	5683	[1328, 23]	8233	[6548, 9331]
584	[1121, 985]	3134	[4950, 2420]	5684	[3017, 7604]	8234	[5568, 2181]
585	[955, 1122]	3135	[2239, 4951]	5685	[7605, 7606]	8235	[9332, 5347]
586	[1123, 1124]	3136	[4952, 2300]	5686	[4321, 7061]	8236	[2444, 5858]
587	[1125, 1126]	3137	[2249, 4953]	5687	[7607, 7608]	8237	[5173, 5754]
588	[1127, 1128]	3138	[4954, 4955]	5688	[7609, 3881]	8238	[2101, 2978]
589	[1129, 1130]	3139	[2883, 4956]	5689	[3827, 1434]	8239	[6335, 8695]
590	[1131, 1132]	3140	[2031, 4957]	5690	[7610, 7611]	8240	[9333, 8433]
591	[1133, 1134]	3141	[4958, 4959]	5691	[7612, 7613]	8241	[2161, 8752]
592	[1135, 1136]	3142	[1871, 4960]	5692	[4068, 4296]	8242	[5017, 5545]
593	[1137, 1138]	3143	[4948, 4961]	5693	[7327, 7614]	8243	[6134, 4912]
594	[1139, 1140]	3144	[4962, 533]	5694	[7615, 7616]	8244	[849, 6379]
595	[1141, 1142]	3145	[4963, 4964]	5695	[7617, 7618]	8245	[9334, 5946]
596	[1143, 1144]	3146	[4965, 1845]	5696	[7619, 7304]	8246	[9335, 6011]
597	[1145, 1146]	3147	[4966, 2968]	5697	[7620, 4309]	8247	[2469, 5549]
598	[1147, 264]	3148	[4967, 4968]	5698	[6811, 4158]	8248	[9336, 6390]
599	[1148, 1149]	3149	[540, 4969]	5699	[4451, 4067]	8249	[9002, 8928]
600	[297, 1150]	3150	[4970, 4971]	5700	[6963, 3599]	8250	[9337, 742]
601	[305, 1151]	3151	[4972, 4973]	5701	[7621, 4288]	8251	[9338, 8358]
602	[1152, 1153]	3152	[4974, 4975]	5702	[3345, 7622]	8252	[9339, 2550]
603	[1154, 1155]	3153	[2243, 4976]	5703	[7623, 7624]	8253	[8647, 9340]
604	[1156, 1157]	3154	[4977, 4978]	5704	[4615, 7625]	8254	[9341, 2430]
605	[1158, 1159]	3155	[1993, 4979]	5705	[1665, 7533]	8255	[6172, 1942]
606	[1160, 1161]	3156	[4980, 4981]	5706	[4464, 1478]	8256	[9342, 6648]
607	[1162, 1163]	3157	[4982, 626]	5707	[4325, 7626]	8257	[863, 2740]
608	[1164, 1165]	3158	[4983, 4984]	5708	[7627, 7628]	8258	[9343, 9344]
609	[1166, 1167]	3159	[4985, 4986]	5709	[4002, 1309]	8259	[1833, 9234]
610	[1168, 1169]	3160	[4987, 4988]	5710	[7629, 7630]	8260	[2604, 4900]
611	[1170, 1171]	3161	[2642, 2102]	5711	[1321, 7631]	8261	[3010, 5048]
612	[1172, 1173]	3162	[1883, 4796]	5712	[1648, 6653]	8262	[8343, 2522]
613	[1174, 448]	3163	[791, 2641]	5713	[7006, 4013]	8263	[9345, 6556]
614	[1175, 1176]	3164	[4989, 4990]	5714	[3420, 4731]	8264	[9346, 9272]
615	[1177, 1178]	3165	[4991, 2134]	5715	[3758, 7632]	8265	[9048, 9347]
616	[1179, 1180]	3166	[4992, 4993]	5716	[4508, 7633]	8266	[9348, 6196]
617	[1181, 1182]	3167	[4994, 4995]	5717	[7634, 3372]	8267	[8839, 551]
618	[1183, 1184]	3168	[4996, 2811]	5718	[4278, 7635]	8268	[5843, 6022]

619	[263, 1185]	3169	[4997, 4998]	5719	[7636, 7637]	8269	[6279, 5488]
620	[1186, 1187]	3170	[4999, 2681]	5720	[6704, 6963]	8270	[1761, 8646]
621	[1188, 1189]	3171	[221, 5000]	5721	[7390, 3617]	8271	[9349, 6047]
622	[1190, 1191]	3172	[5001, 1797]	5722	[7638, 7639]	8272	[8782, 5698]
623	[1192, 1193]	3173	[5002, 58]	5723	[4240, 7640]	8273	[9350, 5753]
624	[1194, 1195]	3174	[1776, 238]	5724	[7641, 4167]	8274	[9024, 8790]
625	[1196, 1197]	3175	[5003, 883]	5725	[7642, 4305]	8275	[6554, 2859]
626	[1198, 1199]	3176	[2539, 822]	5726	[1142, 7412]	8276	[9351, 9352]
627	[1200, 1201]	3177	[5004, 596]	5727	[7643, 3103]	8277	[2892, 8443]
628	[1202, 1203]	3178	[5005, 5006]	5728	[7644, 7645]	8278	[671, 5222]
629	[1204, 1205]	3179	[5007, 5008]	5729	[7646, 7647]	8279	[9353, 1780]
630	[1206, 1207]	3180	[2431, 776]	5730	[3202, 7648]	8280	[6619, 8839]
631	[1208, 1209]	3181	[5009, 5010]	5731	[7448, 4398]	8281	[9354, 8933]
632	[1210, 1211]	3182	[2861, 5011]	5732	[7649, 7650]	8282	[9304, 5033]
633	[1212, 1213]	3183	[5012, 5013]	5733	[7651, 7652]	8283	[8444, 2262]
634	[1214, 1215]	3184	[5014, 5015]	5734	[76, 6966]	8284	[9355, 9356]
635	[1216, 22]	3185	[5016, 226]	5735	[3808, 7653]	8285	[217, 4956]
636	[1217, 1218]	3186	[5017, 5018]	5736	[7654, 7655]	8286	[5198, 832]
637	[1219, 1220]	3187	[5019, 5020]	5737	[7656, 7657]	8287	[2451, 131]
638	[1132, 1221]	3188	[5021, 5022]	5738	[7658, 7659]	8288	[5243, 2749]
639	[1222, 410]	3189	[5023, 5024]	5739	[7660, 7661]	8289	[9357, 9284]
640	[1223, 1224]	3190	[5025, 5026]	5740	[7662, 7663]	8290	[6129, 9166]
641	[1225, 1226]	3191	[801, 5027]	5741	[1316, 3994]	8291	[5322, 6167]
642	[1227, 1228]	3192	[5028, 926]	5742	[3891, 7664]	8292	[5013, 8769]
643	[1229, 1230]	3193	[5029, 5030]	5743	[7665, 7666]	8293	[1924, 2275]
644	[1231, 1232]	3194	[2420, 2906]	5744	[4113, 4071]	8294	[6328, 9358]
645	[1233, 1234]	3195	[4884, 5031]	5745	[7667, 3366]	8295	[9359, 5597]
646	[1235, 1236]	3196	[5032, 197]	5746	[7668, 7669]	8296	[9360, 4921]
647	[1237, 1238]	3197	[5033, 5034]	5747	[7670, 1005]	8297	[5512, 5479]
648	[1239, 1240]	3198	[5035, 5036]	5748	[4782, 4380]	8298	[9361, 9265]
649	[1241, 1242]	3199	[5037, 5038]	5749	[4426, 6818]	8299	[9362, 2718]
650	[1243, 1244]	3200	[5039, 5040]	5750	[305, 3484]	8300	[9363, 8844]
651	[1245, 1246]	3201	[5041, 5042]	5751	[4265, 3687]	8301	[5271, 4821]
652	[1247, 1248]	3202	[5043, 643]	5752	[1019, 3419]	8302	[5615, 8931]
653	[1249, 1250]	3203	[5044, 2623]	5753	[7671, 4783]	8303	[6449, 545]
654	[1251, 1252]	3204	[5045, 5046]	5754	[437, 3263]	8304	[5865, 6510]
655	[1253, 1254]	3205	[5047, 5048]	5755	[4374, 7672]	8305	[9364, 6516]
656	[1255, 1256]	3206	[4803, 2123]	5756	[1350, 76]	8306	[8926, 5910]
657	[1257, 1258]	3207	[5049, 5050]	5757	[7673, 7674]	8307	[5136, 9365]
658	[1259, 1260]	3208	[4886, 5051]	5758	[3826, 4025]	8308	[9366, 6632]
659	[260, 1261]	3209	[5052, 5053]	5759	[7136, 7254]	8309	[220, 666]
660	[1262, 1263]	3210	[5054, 5055]	5760	[7675, 356]	8310	[8608, 9202]
661	[1264, 990]	3211	[5056, 5057]	5761	[7676, 7006]	8311	[5503, 9367]
662	[1265, 1266]	3212	[5058, 5059]	5762	[7677, 1280]	8312	[6509, 4912]

663	[1267, 1268]	3213	[5060, 2692]	5763	[3524, 3381]	8313	[549, 2977]
664	[1269, 1270]	3214	[5061, 150]	5764	[1445, 6711]	8314	[2164, 2177]
665	[1271, 1272]	3215	[5062, 5063]	5765	[7678, 3605]	8315	[8960, 5010]
666	[1273, 1274]	3216	[5064, 5065]	5766	[3759, 7679]	8316	[2175, 9368]
667	[1275, 1116]	3217	[2124, 5066]	5767	[7680, 7116]	8317	[9358, 9210]
668	[1276, 1277]	3218	[1899, 5067]	5768	[7681, 7682]	8318	[9369, 6643]
669	[1278, 1279]	3219	[5068, 5069]	5769	[3742, 7683]	8319	[9370, 6340]
670	[1280, 1281]	3220	[2647, 5070]	5770	[7684, 321]	8320	[6289, 8755]
671	[1282, 1283]	3221	[2902, 792]	5771	[1298, 7685]	8321	[9371, 5589]
672	[1284, 1285]	3222	[5071, 5072]	5772	[7686, 7687]	8322	[5234, 9319]
673	[1286, 1287]	3223	[5073, 5074]	5773	[7688, 7689]	8323	[2921, 5150]
674	[314, 1288]	3224	[5075, 2561]	5774	[7690, 1187]	8324	[6499, 4874]
675	[1289, 280]	3225	[5076, 5077]	5775	[7691, 7692]	8325	[6197, 9372]
676	[1290, 1291]	3226	[5078, 189]	5776	[3507, 3419]	8326	[9373, 8606]
677	[1292, 98]	3227	[2774, 5079]	5777	[7693, 6742]	8327	[9348, 8664]
678	[1293, 1122]	3228	[5080, 2217]	5778	[3270, 1726]	8328	[9374, 4075]
679	[1294, 1295]	3229	[783, 5081]	5779	[1041, 4262]	8329	[1438, 7103]
680	[1296, 1297]	3230	[5082, 5083]	5780	[7694, 1366]	8330	[3220, 1648]
681	[1298, 1299]	3231	[5084, 5085]	5781	[1492, 7695]	8331	[7270, 9375]
682	[1300, 1301]	3232	[5086, 5087]	5782	[4541, 7696]	8332	[7565, 6946]
683	[1302, 1303]	3233	[5088, 5089]	5783	[3395, 7697]	8333	[4721, 8028]
684	[1115, 1304]	3234	[5090, 5091]	5784	[7698, 7521]	8334	[3508, 9376]
685	[1305, 1306]	3235	[5092, 5093]	5785	[7699, 7173]	8335	[4242, 3277]
686	[1307, 1308]	3236	[5094, 638]	5786	[3734, 7700]	8336	[3093, 7614]
687	[1309, 1310]	3237	[2759, 813]	5787	[4405, 7701]	8337	[3966, 9377]
688	[1311, 1312]	3238	[138, 2164]	5788	[7512, 6803]	8338	[4752, 3782]
689	[1313, 1314]	3239	[5095, 5096]	5789	[7598, 4222]	8339	[9378, 3975]
690	[1315, 1316]	3240	[630, 5097]	5790	[77, 3144]	8340	[1512, 1694]
691	[1317, 1318]	3241	[174, 2000]	5791	[7702, 4714]	8341	[4422, 7029]
692	[1319, 1320]	3242	[2515, 5098]	5792	[7310, 7703]	8342	[7230, 9379]
693	[1321, 1322]	3243	[2632, 5099]	5793	[3087, 3269]	8343	[3043, 4173]
694	[1323, 1324]	3244	[5100, 5101]	5794	[7704, 7705]	8344	[8114, 7476]
695	[1325, 1326]	3245	[5102, 5103]	5795	[7706, 7645]	8345	[6673, 9380]
696	[90, 1327]	3246	[5104, 5105]	5796	[7479, 4464]	8346	[4774, 9381]
697	[1328, 1329]	3247	[1947, 674]	5797	[7707, 3460]	8347	[4572, 9382]
698	[1330, 1331]	3248	[5106, 5107]	5798	[7708, 7709]	8348	[3321, 7559]
699	[1332, 1333]	3249	[5108, 5109]	5799	[7710, 4146]	8349	[6750, 1743]
700	[1334, 1335]	3250	[821, 2572]	5800	[4086, 7583]	8350	[3325, 7168]
701	[1336, 1337]	3251	[5110, 5111]	5801	[3110, 7711]	8351	[3638, 4760]
702	[1338, 118]	3252	[5112, 5113]	5802	[7712, 7713]	8352	[4662, 415]
703	[1339, 384]	3253	[5114, 5115]	5803	[7714, 7715]	8353	[1021, 7426]
704	[1340, 1341]	3254	[5116, 5117]	5804	[1573, 7716]	8354	[9383, 7801]
705	[1342, 1343]	3255	[2610, 5118]	5805	[7717, 3746]	8355	[3311, 9384]
706	[1344, 1345]	3256	[5119, 4877]	5806	[7718, 7719]	8356	[9385, 9386]

707	[1346, 1347]	3257	[5120, 5121]	5807	[4510, 125]	8357	[9387, 9388]
708	[303, 329]	3258	[5122, 2805]	5808	[7720, 4422]	8358	[9389, 6698]
709	[1348, 1349]	3259	[5123, 498]	5809	[3493, 7721]	8359	[3789, 4503]
710	[1350, 1351]	3260	[5124, 5125]	5810	[1461, 3446]	8360	[4384, 6939]
711	[1352, 1353]	3261	[2503, 5126]	5811	[7722, 7093]	8361	[7736, 3288]
712	[1354, 1355]	3262	[5127, 5128]	5812	[7723, 7724]	8362	[8205, 9390]
713	[1356, 1357]	3263	[5129, 5130]	5813	[7725, 7726]	8363	[9391, 9392]
714	[1187, 342]	3264	[5131, 5132]	5814	[7727, 7728]	8364	[6967, 7575]
715	[1358, 1350]	3265	[178, 5133]	5815	[4549, 4013]	8365	[3627, 1273]
716	[1359, 1360]	3266	[5134, 5135]	5816	[1018, 3507]	8366	[6705, 3599]
717	[1361, 1362]	3267	[5136, 5137]	5817	[4523, 290]	8367	[410, 6839]
718	[1363, 1364]	3268	[5138, 2909]	5818	[7266, 4065]	8368	[3282, 4531]
719	[1365, 1366]	3269	[2640, 5139]	5819	[7729, 7730]	8369	[1282, 7703]
720	[1367, 1368]	3270	[5071, 2107]	5820	[3301, 7731]	8370	[1152, 1317]
721	[1369, 1370]	3271	[797, 796]	5821	[7562, 4292]	8371	[6861, 3405]
722	[1371, 1372]	3272	[1971, 5140]	5822	[385, 7177]	8372	[4398, 310]
723	[1373, 1374]	3273	[5038, 5141]	5823	[1567, 7364]	8373	[9393, 7749]
724	[1059, 1375]	3274	[5142, 5143]	5824	[4023, 7732]	8374	[7643, 4388]
725	[1376, 1377]	3275	[5144, 646]	5825	[7733, 7734]	8375	[1603, 9394]
726	[1378, 1379]	3276	[5145, 5146]	5826	[3615, 7735]	8376	[9395, 9396]
727	[1380, 1381]	3277	[5147, 2089]	5827	[3049, 3311]	8377	[425, 3249]
728	[1382, 1383]	3278	[1766, 5148]	5828	[7736, 4011]	8378	[8048, 7265]
729	[1384, 1385]	3279	[5149, 5150]	5829	[4326, 7737]	8379	[4786, 1079]
730	[964, 1386]	3280	[5151, 5152]	5830	[7738, 365]	8380	[9397, 9398]
731	[1387, 1388]	3281	[5153, 5154]	5831	[7739, 6720]	8381	[8074, 7682]
732	[1389, 1390]	3282	[5155, 5156]	5832	[3814, 4127]	8382	[9399, 9400]
733	[1391, 1392]	3283	[2254, 5157]	5833	[7740, 1502]	8383	[3560, 9401]
734	[1393, 1394]	3284	[901, 1952]	5834	[4158, 7741]	8384	[7564, 976]
735	[1395, 1396]	3285	[2882, 5158]	5835	[273, 7742]	8385	[1392, 1231]
736	[1397, 1398]	3286	[5159, 5160]	5836	[7743, 1582]	8386	[9402, 9403]
737	[114, 1399]	3287	[5075, 909]	5837	[4444, 7744]	8387	[9404, 7276]
738	[1400, 1401]	3288	[5161, 5162]	5838	[1590, 7469]	8388	[7391, 3618]
739	[1402, 1403]	3289	[5163, 5164]	5839	[7745, 4717]	8389	[8226, 19]
740	[1404, 1405]	3290	[5165, 5166]	5840	[7746, 3867]	8390	[4616, 9405]
741	[1406, 1407]	3291	[5167, 5168]	5841	[6859, 7747]	8391	[9406, 9407]
742	[1408, 1409]	3292	[5169, 2774]	5842	[7748, 7749]	8392	[4088, 9408]
743	[1410, 254]	3293	[495, 4924]	5843	[7750, 3984]	8393	[9409, 9410]
744	[1411, 1412]	3294	[5170, 2060]	5844	[7751, 4743]	8394	[9411, 4180]
745	[1413, 1414]	3295	[1781, 5171]	5845	[4655, 7752]	8395	[3673, 1323]
746	[1415, 984]	3296	[5172, 2822]	5846	[1471, 3503]	8396	[9412, 9413]
747	[1289, 118]	3297	[5158, 2303]	5847	[7753, 7754]	8397	[1729, 9414]
748	[1416, 1417]	3298	[5173, 4903]	5848	[7755, 1217]	8398	[6899, 3984]
749	[1418, 1419]	3299	[4993, 2876]	5849	[7756, 6758]	8399	[3982, 3348]
750	[1420, 1421]	3300	[5174, 5175]	5850	[7757, 7758]	8400	[3035, 1698]

751	[1422, 1423]	3301	[2191, 5176]	5851	[7759, 7760]	8401	[9415, 8179]
752	[1424, 1425]	3302	[5177, 5178]	5852	[7761, 6689]	8402	[6, 4355]
753	[1426, 1427]	3303	[5179, 5180]	5853	[4781, 4379]	8403	[9416, 9417]
754	[1428, 1429]	3304	[2232, 5181]	5854	[6844, 3123]	8404	[7544, 7711]
755	[1430, 1431]	3305	[5182, 2090]	5855	[7762, 7763]	8405	[9418, 4692]
756	[1148, 1432]	3306	[1990, 225]	5856	[7764, 6813]	8406	[4295, 4069]
757	[1433, 1434]	3307	[5183, 2223]	5857	[4509, 124]	8407	[336, 9419]
758	[1435, 1436]	3308	[5184, 4919]	5858	[7765, 4720]	8408	[9420, 9421]
759	[1437, 1438]	3309	[1797, 699]	5859	[7003, 1682]	8409	[6937, 3866]
760	[1439, 981]	3310	[5185, 660]	5860	[1665, 4054]	8410	[9422, 7301]
761	[1440, 1441]	3311	[2741, 2735]	5861	[302, 328]	8411	[9423, 9424]
762	[346, 322]	3312	[880, 2488]	5862	[7766, 6997]	8412	[9425, 9426]
763	[1442, 1443]	3313	[5186, 4822]	5863	[6656, 3774]	8413	[1542, 8182]
764	[1444, 1445]	3314	[504, 582]	5864	[7767, 6833]	8414	[69, 6711]
765	[1446, 95]	3315	[5187, 5188]	5865	[4128, 7768]	8415	[8314, 1523]
766	[1447, 984]	3316	[152, 5189]	5866	[7769, 7770]	8416	[3611, 9427]
767	[1448, 1449]	3317	[5190, 5191]	5867	[7771, 3783]	8417	[7932, 979]
768	[1450, 1451]	3318	[5192, 501]	5868	[7772, 1607]	8418	[9428, 3550]
769	[1452, 1453]	3319	[5029, 5193]	5869	[7403, 7773]	8419	[9429, 1663]
770	[1454, 1455]	3320	[5194, 5195]	5870	[7774, 1046]	8420	[4362, 7435]
771	[1456, 1457]	3321	[5196, 5197]	5871	[1719, 7657]	8421	[4008, 9430]
772	[1458, 1459]	3322	[5198, 548]	5872	[6668, 4220]	8422	[3157, 8114]
773	[1460, 1223]	3323	[2639, 5199]	5873	[3455, 3064]	8423	[9431, 7750]
774	[1461, 1462]	3324	[5200, 5146]	5874	[6994, 3501]	8424	[9432, 9386]
775	[1463, 1464]	3325	[5201, 5202]	5875	[7775, 4052]	8425	[4179, 9433]
776	[1465, 1466]	3326	[5203, 2091]	5876	[7776, 1684]	8426	[7720, 7161]
777	[1467, 355]	3327	[5204, 2473]	5877	[4681, 7777]	8427	[9434, 7332]
778	[1468, 1469]	3328	[5205, 5206]	5878	[7778, 6749]	8428	[1739, 9435]
779	[1470, 1471]	3329	[5207, 5208]	5879	[1375, 7626]	8429	[279, 1134]
780	[1192, 1472]	3330	[5209, 494]	5880	[3402, 4652]	8430	[9436, 7382]
781	[1473, 1474]	3331	[5181, 5210]	5881	[271, 7779]	8431	[9437, 1147]
782	[1475, 1476]	3332	[2332, 5211]	5882	[7780, 7701]	8432	[7839, 7554]
783	[1477, 1478]	3333	[2653, 5212]	5883	[7781, 7782]	8433	[9438, 7100]
784	[1479, 1480]	3334	[5213, 5214]	5884	[1184, 7652]	8434	[4603, 8246]
785	[1481, 441]	3335	[5215, 811]	5885	[7783, 7160]	8435	[4767, 4399]
786	[1482, 1483]	3336	[2076, 2016]	5886	[7784, 7785]	8436	[7526, 1697]
787	[1484, 1485]	3337	[5216, 5217]	5887	[7786, 7000]	8437	[4545, 378]
788	[448, 1486]	3338	[5218, 5219]	5888	[7787, 7054]	8438	[1302, 18]
789	[1487, 1488]	3339	[5220, 5221]	5889	[7788, 7789]	8439	[7979, 115]
790	[1489, 1490]	3340	[5222, 5223]	5890	[1715, 3731]	8440	[3322, 7916]
791	[1491, 1492]	3341	[5224, 5225]	5891	[4464, 7790]	8441	[7730, 7579]
792	[1493, 409]	3342	[5226, 589]	5892	[3188, 279]	8442	[3436, 9439]
793	[1494, 1035]	3343	[2819, 2937]	5893	[3507, 3161]	8443	[4576, 270]
794	[1495, 1288]	3344	[5227, 772]	5894	[7791, 7545]	8444	[7341, 9440]

795	[1496, 1497]	3345	[2535, 5228]	5895	[1133, 374]	8445	[1707, 6943]
796	[1498, 1499]	3346	[5229, 5230]	5896	[7792, 7793]	8446	[9441, 7138]
797	[797, 797]	3347	[885, 2974]	5897	[118, 7794]	8447	[7466, 409]
798	[1500, 1501]	3348	[5231, 5176]	5898	[7795, 3906]	8448	[9442, 362]
799	[1502, 1503]	3349	[2764, 5232]	5899	[7796, 7797]	8449	[9443, 295]
800	[1504, 1505]	3350	[5233, 5234]	5900	[7798, 4099]	8450	[427, 9434]
801	[1005, 1506]	3351	[5235, 679]	5901	[7799, 7800]	8451	[6726, 1441]
802	[1507, 1508]	3352	[5236, 2984]	5902	[1345, 3889]	8452	[9444, 9445]
803	[1509, 1510]	3353	[5237, 49]	5903	[1186, 7383]	8453	[7319, 8230]
804	[1511, 1512]	3354	[2873, 2913]	5904	[7801, 1645]	8454	[3032, 3027]
805	[1513, 1514]	3355	[4945, 2291]	5905	[4265, 7802]	8455	[3804, 7770]
806	[464, 1515]	3356	[5238, 5239]	5906	[3138, 1418]	8456	[7428, 7165]
807	[1516, 1517]	3357	[5240, 5241]	5907	[7803, 1107]	8457	[7258, 3236]
808	[1518, 1405]	3358	[5242, 5243]	5908	[7804, 3851]	8458	[4533, 4141]
809	[1519, 1520]	3359	[5244, 5245]	5909	[976, 4429]	8459	[4303, 8041]
810	[1521, 1522]	3360	[2843, 2325]	5910	[4780, 7286]	8460	[9446, 9447]
811	[1523, 1196]	3361	[2810, 5246]	5911	[7805, 7806]	8461	[307, 9448]
812	[1524, 1525]	3362	[5247, 5248]	5912	[439, 7807]	8462	[8106, 1144]
813	[1526, 1527]	3363	[889, 183]	5913	[3813, 1562]	8463	[9449, 1552]
814	[1064, 91]	3364	[2210, 5249]	5914	[3636, 1049]	8464	[3059, 8280]
815	[1528, 1529]	3365	[5250, 917]	5915	[7808, 7042]	8465	[9450, 7835]
816	[1530, 1531]	3366	[4994, 2040]	5916	[7721, 7809]	8466	[4423, 9451]
817	[1532, 1533]	3367	[4862, 5251]	5917	[1008, 959]	8467	[1339, 9452]
818	[1534, 1535]	3368	[5252, 784]	5918	[7810, 7613]	8468	[3903, 1132]
819	[1536, 1537]	3369	[1793, 229]	5919	[7811, 7812]	8469	[9453, 9454]
820	[1538, 1539]	3370	[5253, 2250]	5920	[1059, 4325]	8470	[9455, 9456]
821	[1540, 1541]	3371	[938, 5254]	5921	[7813, 1320]	8471	[9457, 9458]
822	[1542, 1543]	3372	[5255, 5256]	5922	[7814, 4621]	8472	[9459, 3551]
823	[1544, 1545]	3373	[4860, 5257]	5923	[7815, 7816]	8473	[1748, 6764]
824	[1546, 1547]	3374	[2533, 5258]	5924	[7817, 7252]	8474	[7761, 8256]
825	[1548, 1549]	3375	[5259, 5260]	5925	[6766, 7818]	8475	[9460, 1282]
826	[1550, 1551]	3376	[5261, 5262]	5926	[7819, 4337]	8476	[7226, 3758]
827	[1552, 1553]	3377	[5263, 5264]	5927	[7374, 6700]	8477	[4394, 1594]
828	[1554, 343]	3378	[5265, 5266]	5928	[3662, 426]	8478	[9461, 3168]
829	[1555, 1556]	3379	[55, 2708]	5929	[7820, 4033]	8479	[9462, 9463]
830	[1557, 1558]	3380	[5014, 715]	5930	[7821, 7822]	8480	[9464, 9465]
831	[1559, 1560]	3381	[5267, 2317]	5931	[7823, 7824]	8481	[4585, 3235]
832	[1561, 1562]	3382	[5268, 5269]	5932	[488, 7825]	8482	[6973, 9466]
833	[1052, 1563]	3383	[5270, 5271]	5933	[7826, 4308]	8483	[8283, 8111]
834	[1087, 1564]	3384	[2013, 5272]	5934	[7827, 1130]	8484	[7867, 1664]
835	[1343, 1565]	3385	[5273, 5274]	5935	[1750, 6902]	8485	[9467, 4140]
836	[1566, 1567]	3386	[5275, 5276]	5936	[3087, 7695]	8486	[4556, 9468]
837	[1568, 1569]	3387	[5277, 5137]	5937	[1329, 24]	8487	[9469, 9470]
838	[1570, 1571]	3388	[5278, 2115]	5938	[7828, 7829]	8488	[6928, 3470]

839	[1572, 1573]	3389	[611, 610]	5939	[3639, 7830]	8489	[3745, 8168]
840	[1574, 1575]	3390	[5279, 5280]	5940	[331, 7831]	8490	[4713, 9439]
841	[1576, 1577]	3391	[8, 5281]	5941	[7832, 7833]	8491	[3388, 9471]
842	[1578, 1579]	3392	[5282, 5283]	5942	[1448, 1488]	8492	[7927, 1061]
843	[1580, 1581]	3393	[5284, 1825]	5943	[7834, 7835]	8493	[9472, 9473]
844	[1582, 1583]	3394	[5285, 1838]	5944	[6873, 7782]	8494	[4443, 7433]
845	[1584, 1585]	3395	[2065, 2934]	5945	[369, 3558]	8495	[7975, 3754]
846	[1586, 1587]	3396	[5286, 5046]	5946	[4711, 7836]	8496	[4609, 261]
847	[1588, 1589]	3397	[5287, 2442]	5947	[7522, 7837]	8497	[9474, 8227]
848	[1104, 1590]	3398	[5288, 5289]	5948	[1363, 7068]	8498	[9475, 1406]
849	[1444, 69]	3399	[5290, 5291]	5949	[7461, 7606]	8499	[9476, 9477]
850	[1591, 1592]	3400	[2001, 5292]	5950	[4286, 4079]	8500	[1052, 1235]
851	[1593, 1594]	3401	[5293, 4818]	5951	[7838, 3189]	8501	[4436, 1438]
852	[1595, 1596]	3402	[5294, 2960]	5952	[3431, 1485]	8502	[7220, 4551]
853	[1597, 1598]	3403	[5295, 5296]	5953	[7710, 7839]	8503	[9478, 7203]
854	[1599, 1600]	3404	[5109, 5297]	5954	[7840, 4185]	8504	[9479, 7151]
855	[1601, 1602]	3405	[5298, 5299]	5955	[3828, 3886]	8505	[9480, 9481]
856	[1603, 1604]	3406	[923, 2618]	5956	[1249, 403]	8506	[3090, 4557]
857	[1605, 1606]	3407	[662, 515]	5957	[7420, 7841]	8507	[7172, 9482]
858	[1607, 1608]	3408	[5300, 5301]	5958	[6766, 4590]	8508	[9483, 9484]
859	[1609, 1610]	3409	[5302, 5303]	5959	[7842, 7843]	8509	[8327, 8245]
860	[1611, 1612]	3410	[1957, 5304]	5960	[1437, 4437]	8510	[1563, 7250]
861	[1613, 1614]	3411	[5305, 5306]	5961	[7844, 3980]	8511	[8128, 7582]
862	[1615, 1616]	3412	[5307, 5308]	5962	[7845, 1423]	8512	[1376, 7502]
863	[1617, 1618]	3413	[1835, 5309]	5963	[7336, 1180]	8513	[7370, 4757]
864	[1619, 366]	3414	[2458, 5310]	5964	[7846, 1698]	8514	[6855, 369]
865	[1110, 1620]	3415	[5311, 5312]	5965	[7847, 6809]	8515	[9485, 9486]
866	[1621, 1622]	3416	[5076, 5313]	5966	[6771, 4606]	8516	[9487, 3604]
867	[1623, 1624]	3417	[2855, 5314]	5967	[3621, 1602]	8517	[3209, 9488]
868	[1625, 1626]	3418	[5315, 5316]	5968	[4745, 7848]	8518	[4126, 4344]
869	[1627, 1628]	3419	[5317, 2466]	5969	[7849, 4156]	8519	[4351, 4513]
870	[1629, 1630]	3420	[5318, 5245]	5970	[3886, 7850]	8520	[9489, 258]
871	[1631, 1632]	3421	[5319, 5320]	5971	[3454, 7643]	8521	[6949, 3998]
872	[1633, 1634]	3422	[5321, 5322]	5972	[7851, 7852]	8522	[7724, 4131]
873	[369, 95]	3423	[516, 2526]	5973	[6951, 1103]	8523	[4634, 1397]
874	[1635, 1636]	3424	[5323, 5324]	5974	[1266, 7853]	8524	[9490, 6949]
875	[1637, 1638]	3425	[5325, 5158]	5975	[7854, 7855]	8525	[7733, 9491]
876	[1639, 1640]	3426	[5326, 5327]	5976	[7856, 7852]	8526	[9492, 9493]
877	[1641, 1642]	3427	[835, 4957]	5977	[7857, 7858]	8527	[7077, 1058]
878	[1643, 1644]	3428	[1937, 559]	5978	[7859, 1734]	8528	[7906, 9494]
879	[1645, 1323]	3429	[4836, 2878]	5979	[7860, 1275]	8529	[9495, 9496]
880	[1554, 1646]	3430	[2985, 690]	5980	[7861, 4746]	8530	[6712, 9497]
881	[1647, 1648]	3431	[2442, 5328]	5981	[7862, 7863]	8531	[7880, 3755]
882	[1649, 1650]	3432	[5329, 5330]	5982	[354, 3590]	8532	[9498, 9499]

883	[1651, 1553]	3433	[5331, 5332]	5983	[7864, 3603]	8533	[9500, 3046]
884	[1652, 1653]	3434	[641, 2784]	5984	[4126, 7865]	8534	[3503, 3256]
885	[1459, 1654]	3435	[5333, 5334]	5985	[4773, 1340]	8535	[4358, 1580]
886	[1655, 1656]	3436	[5335, 1995]	5986	[7022, 1526]	8536	[9501, 9502]
887	[1026, 1657]	3437	[5033, 5336]	5987	[7866, 6724]	8537	[4412, 7661]
888	[1658, 1659]	3438	[5337, 5338]	5988	[7867, 4572]	8538	[6692, 9503]
889	[1660, 1661]	3439	[5339, 2603]	5989	[7868, 6811]	8539	[3917, 4639]
890	[1662, 1663]	3440	[5340, 5341]	5990	[7108, 1407]	8540	[4165, 3359]
891	[468, 1664]	3441	[5342, 5343]	5991	[7869, 7870]	8541	[3052, 3108]
892	[292, 1665]	3442	[2517, 1839]	5992	[3023, 3040]	8542	[9388, 9504]
893	[1666, 1667]	3443	[5344, 5345]	5993	[7871, 7872]	8543	[4522, 3779]
894	[1668, 1669]	3444	[5346, 5347]	5994	[4619, 6898]	8544	[9505, 7750]
895	[1670, 1671]	3445	[2106, 1846]	5995	[4160, 7095]	8545	[9506, 7907]
896	[1672, 1673]	3446	[5348, 5349]	5996	[7456, 358]	8546	[9507, 7542]
897	[1674, 1675]	3447	[1780, 2570]	5997	[7086, 7873]	8547	[9508, 3668]
898	[1676, 1677]	3448	[1955, 140]	5998	[6993, 3500]	8548	[9509, 9510]
899	[1678, 1679]	3449	[5350, 5351]	5999	[4553, 7874]	8549	[8236, 6779]
900	[274, 1680]	3450	[5053, 5352]	6000	[7875, 7876]	8550	[7671, 7882]
901	[1681, 1682]	3451	[5353, 5354]	6001	[7160, 1750]	8551	[4025, 9511]
902	[1683, 1684]	3452	[5355, 2078]	6002	[1540, 7877]	8552	[3720, 7515]
903	[1685, 1686]	3453	[5229, 2768]	6003	[4022, 7878]	8553	[7088, 4452]
904	[1687, 1688]	3454	[862, 2978]	6004	[7879, 7880]	8554	[9512, 4155]
905	[1689, 1690]	3455	[5237, 5356]	6005	[3936, 3278]	8555	[1629, 3330]
906	[1691, 1692]	3456	[5357, 2566]	6006	[3036, 1699]	8556	[7702, 7201]
907	[1693, 260]	3457	[5358, 5359]	6007	[4017, 3342]	8557	[9513, 9514]
908	[28, 1694]	3458	[774, 5360]	6008	[7881, 7760]	8558	[3184, 7777]
909	[1695, 486]	3459	[198, 2225]	6009	[3341, 7882]	8559	[7624, 9515]
910	[1696, 1697]	3460	[5361, 2921]	6010	[7883, 7884]	8560	[7614, 6952]
911	[1698, 1699]	3461	[5283, 2523]	6011	[7885, 1474]	8561	[9516, 8144]
912	[1700, 1701]	3462	[2136, 5362]	6012	[1208, 7886]	8562	[7134, 4648]
913	[1702, 1703]	3463	[5363, 2657]	6013	[7887, 3147]	8563	[9517, 9518]
914	[1704, 1705]	3464	[5364, 170]	6014	[7888, 3403]	8564	[8301, 3914]
915	[1706, 1230]	3465	[5365, 2333]	6015	[7889, 4713]	8565	[7120, 1234]
916	[1707, 1569]	3466	[5366, 2832]	6016	[4011, 3981]	8566	[1190, 7635]
917	[1708, 1709]	3467	[5367, 5368]	6017	[7315, 7504]	8567	[3275, 8258]
918	[1710, 1711]	3468	[5369, 507]	6018	[7830, 4623]	8568	[6727, 1339]
919	[1712, 1713]	3469	[5370, 5371]	6019	[7890, 7891]	8569	[4770, 3651]
920	[1714, 1715]	3470	[5372, 741]	6020	[4268, 6726]	8570	[4557, 9519]
921	[1716, 1431]	3471	[842, 931]	6021	[4495, 7892]	8571	[1381, 9519]
922	[1717, 1718]	3472	[4894, 5373]	6022	[7595, 7893]	8572	[3850, 3768]
923	[1719, 1509]	3473	[5374, 835]	6023	[3473, 7894]	8573	[4683, 1254]
924	[1720, 1721]	3474	[5375, 5376]	6024	[7038, 7049]	8574	[454, 3631]
925	[1722, 1723]	3475	[5377, 5378]	6025	[3293, 3114]	8575	[6761, 6707]
926	[1724, 1725]	3476	[5379, 2362]	6026	[7479, 1477]	8576	[9520, 9521]

927	[1726, 1157]	3477	[5380, 5381]	6027	[7566, 7895]	8577	[7086, 3297]
928	[1727, 420]	3478	[766, 5382]	6028	[7616, 7896]	8578	[9522, 8052]
929	[1728, 359]	3479	[5383, 5384]	6029	[7897, 7898]	8579	[9523, 3206]
930	[1729, 1730]	3480	[5385, 5386]	6030	[7899, 7900]	8580	[6974, 4386]
931	[1577, 1731]	3481	[4868, 2357]	6031	[6682, 4774]	8581	[9524, 4022]
932	[1732, 1733]	3482	[2792, 506]	6032	[7901, 3512]	8582	[6832, 7011]
933	[1734, 1735]	3483	[2233, 5387]	6033	[7846, 3036]	8583	[988, 8324]
934	[1736, 1737]	3484	[5227, 2938]	6034	[7323, 7353]	8584	[1566, 7363]
935	[1738, 1739]	3485	[5388, 5389]	6035	[7902, 1140]	8585	[1646, 9525]
936	[1740, 1741]	3486	[5390, 5391]	6036	[7903, 6904]	8586	[7845, 8211]
937	[1742, 1374]	3487	[5250, 2518]	6037	[3933, 1456]	8587	[3071, 4286]
938	[1743, 1744]	3488	[5392, 5393]	6038	[4316, 7904]	8588	[9526, 8175]
939	[1745, 1746]	3489	[2044, 2233]	6039	[7905, 1672]	8589	[3701, 4706]
940	[1747, 1748]	3490	[5394, 5395]	6040	[7906, 7907]	8590	[1442, 4493]
941	[1749, 1750]	3491	[2010, 664]	6041	[1140, 7281]	8591	[3636, 3105]
942	[1751, 1752]	3492	[5396, 5397]	6042	[7908, 7909]	8592	[6819, 4183]
943	[1753, 1245]	3493	[2042, 5398]	6043	[3784, 7910]	8593	[3167, 9527]
944	[1754, 1755]	3494	[4910, 37]	6044	[1163, 6871]	8594	[9504, 9528]
945	[1756, 1757]	3495	[5399, 827]	6045	[7911, 7912]	8595	[94, 9529]
946	[1758, 1759]	3496	[5400, 2476]	6046	[3251, 7913]	8596	[8313, 4198]
947	[1760, 883]	3497	[2111, 2686]	6047	[7914, 7915]	8597	[1278, 4511]
948	[553, 1761]	3498	[5401, 2367]	6048	[7559, 7916]	8598	[9530, 1524]
949	[1762, 509]	3499	[5402, 2896]	6049	[4478, 1507]	8599	[7034, 1125]
950	[1763, 500]	3500	[5403, 1771]	6050	[3952, 7700]	8600	[7123, 3502]
951	[1764, 1765]	3501	[2624, 5188]	6051	[1066, 7917]	8601	[7343, 9531]
952	[669, 1766]	3502	[5404, 216]	6052	[6671, 6667]	8602	[9532, 4306]
953	[1767, 1768]	3503	[5405, 218]	6053	[4392, 7918]	8603	[4448, 3890]
954	[579, 1769]	3504	[1942, 151]	6054	[7919, 7920]	8604	[3845, 1126]
955	[1770, 1771]	3505	[5406, 5407]	6055	[7921, 7922]	8605	[6949, 7715]
956	[1772, 1773]	3506	[209, 2642]	6056	[7923, 4624]	8606	[3410, 304]
957	[1774, 1775]	3507	[5408, 5409]	6057	[7924, 7925]	8607	[3448, 69]
958	[1776, 1777]	3508	[5410, 1953]	6058	[7926, 7927]	8608	[491, 9533]
959	[1778, 1779]	3509	[1832, 5411]	6059	[6813, 7442]	8609	[9534, 3964]
960	[1780, 818]	3510	[5412, 5413]	6060	[4046, 3112]	8610	[7058, 7037]
961	[1781, 1782]	3511	[2122, 4804]	6061	[7928, 1655]	8611	[6664, 7321]
962	[1783, 1784]	3512	[5414, 5415]	6062	[7929, 1322]	8612	[9535, 9536]
963	[1785, 872]	3513	[2160, 5416]	6063	[3494, 17]	8613	[9537, 9538]
964	[934, 1786]	3514	[5417, 5418]	6064	[963, 7930]	8614	[1571, 3808]
965	[1787, 1788]	3515	[5419, 5420]	6065	[7750, 300]	8615	[9539, 1580]
966	[1789, 1790]	3516	[2982, 5421]	6066	[7638, 3498]	8616	[9540, 9541]
967	[1791, 1792]	3517	[5422, 5423]	6067	[7931, 392]	8617	[4525, 3500]
968	[1793, 1794]	3518	[5228, 1972]	6068	[7932, 6941]	8618	[9542, 4138]
969	[1795, 1796]	3519	[5424, 4820]	6069	[7933, 4244]	8619	[7218, 7973]
970	[1797, 1798]	3520	[5356, 50]	6070	[957, 7934]	8620	[1327, 9543]

971	[1799, 1800]	3521	[1934, 4932]	6071	[3545, 7935]	8621	[7767, 3977]
972	[1801, 1802]	3522	[2981, 580]	6072	[7936, 7937]	8622	[9532, 80]
973	[1803, 1804]	3523	[5425, 5426]	6073	[7938, 3432]	8623	[4252, 7918]
974	[1805, 886]	3524	[5427, 2573]	6074	[1128, 4091]	8624	[9544, 7002]
975	[1806, 1807]	3525	[5428, 5183]	6075	[7939, 391]	8625	[3909, 7981]
976	[813, 1808]	3526	[13, 907]	6076	[3495, 7155]	8626	[8077, 9545]
977	[1809, 218]	3527	[5429, 2159]	6077	[7940, 3194]	8627	[9546, 9547]
978	[545, 128]	3528	[5430, 5431]	6078	[3431, 7941]	8628	[4347, 1757]
979	[1810, 1811]	3529	[2166, 5432]	6079	[3338, 7252]	8629	[9548, 9413]
980	[1812, 1813]	3530	[5037, 4791]	6080	[4514, 7942]	8630	[8184, 3976]
981	[1814, 1815]	3531	[5433, 2080]	6081	[452, 3617]	8631	[7393, 4420]
982	[1816, 1817]	3532	[5434, 546]	6082	[7943, 7944]	8632	[1570, 1138]
983	[1818, 1819]	3533	[5435, 5436]	6083	[7096, 1178]	8633	[6845, 8043]
984	[1762, 592]	3534	[1911, 1846]	6084	[7945, 3346]	8634	[6716, 7297]
985	[1820, 1821]	3535	[5437, 2777]	6085	[7946, 7091]	8635	[9389, 4085]
986	[1822, 1823]	3536	[5438, 2772]	6086	[7947, 3439]	8636	[9549, 3156]
987	[1824, 227]	3537	[5439, 5440]	6087	[7948, 4225]	8637	[9550, 3449]
988	[726, 1825]	3538	[5441, 5442]	6088	[6657, 7482]	8638	[9551, 6719]
989	[1826, 1827]	3539	[5443, 5444]	6089	[6829, 6697]	8639	[9552, 967]
990	[1828, 1829]	3540	[5445, 5446]	6090	[6999, 7772]	8640	[8286, 1535]
991	[1830, 1831]	3541	[5447, 5398]	6091	[7949, 3943]	8641	[7363, 4554]
992	[1832, 1833]	3542	[5448, 5042]	6092	[7950, 7951]	8642	[8134, 3748]
993	[894, 1834]	3543	[5370, 750]	6093	[7952, 7784]	8643	[9553, 4630]
994	[1835, 1836]	3544	[5449, 5450]	6094	[4349, 7953]	8644	[8260, 3095]
995	[1837, 1838]	3545	[5451, 618]	6095	[3217, 7281]	8645	[7341, 4521]
996	[236, 1839]	3546	[5452, 1926]	6096	[7196, 1030]	8646	[4570, 3478]
997	[1840, 1841]	3547	[5453, 5454]	6097	[3259, 100]	8647	[9554, 9470]
998	[1842, 1843]	3548	[5455, 5456]	6098	[285, 4251]	8648	[9555, 9556]
999	[1844, 1845]	3549	[5249, 5457]	6099	[7954, 7168]	8649	[1346, 9547]
1000	[1846, 1847]	3550	[5458, 2910]	6100	[7955, 401]	8650	[7835, 9557]
1001	[1848, 1849]	3551	[5459, 5460]	6101	[3463, 7956]	8651	[7212, 1599]
1002	[542, 1850]	3552	[5461, 5462]	6102	[7957, 7958]	8652	[8049, 7664]
1003	[1851, 1852]	3553	[5463, 5248]	6103	[3457, 422]	8653	[9558, 6884]
1004	[1853, 1854]	3554	[602, 4969]	6104	[7959, 1346]	8654	[3539, 3698]
1005	[1855, 1856]	3555	[5464, 5409]	6105	[7960, 3875]	8655	[315, 3572]
1006	[1857, 1858]	3556	[5465, 5466]	6106	[3319, 991]	8656	[8139, 9496]
1007	[1859, 1860]	3557	[5467, 2415]	6107	[7310, 1283]	8657	[3249, 7530]
1008	[1861, 1862]	3558	[2477, 2619]	6108	[3691, 7961]	8658	[4733, 7399]
1009	[1863, 1864]	3559	[5142, 4849]	6109	[1439, 7319]	8659	[9438, 7889]
1010	[1865, 1866]	3560	[5468, 2504]	6110	[7755, 7962]	8660	[9559, 303]
1011	[1867, 1868]	3561	[5469, 2727]	6111	[7963, 7843]	8661	[9560, 9561]
1012	[1869, 1870]	3562	[5470, 5471]	6112	[7964, 3902]	8662	[7211, 9394]
1013	[1871, 702]	3563	[5472, 5473]	6113	[7965, 4333]	8663	[7268, 7898]
1014	[1872, 1873]	3564	[5474, 809]	6114	[7966, 7679]	8664	[9562, 1400]

1015	[1874, 1875]	3565	[795, 2106]	6115	[7967, 3410]	8665	[7751, 8038]
1016	[1876, 1877]	3566	[796, 796]	6116	[7968, 4154]	8666	[9563, 9463]
1017	[1878, 1879]	3567	[5475, 5476]	6117	[7060, 7969]	8667	[9564, 6682]
1018	[1880, 1881]	3568	[2727, 2083]	6118	[7970, 7971]	8668	[3806, 9565]
1019	[1882, 1883]	3569	[5477, 2903]	6119	[3769, 3517]	8669	[6880, 3352]
1020	[1884, 1885]	3570	[603, 1847]	6120	[7972, 7973]	8670	[7660, 4413]
1021	[1886, 701]	3571	[5478, 2598]	6121	[7974, 7975]	8671	[7367, 3535]
1022	[1887, 1888]	3572	[2643, 2106]	6122	[7976, 4728]	8672	[3226, 9566]
1023	[1889, 1890]	3573	[2644, 2806]	6123	[3658, 7977]	8673	[9567, 7233]
1024	[1891, 735]	3574	[5163, 5479]	6124	[7978, 7979]	8674	[9568, 8263]
1025	[1892, 1893]	3575	[5480, 5481]	6125	[7980, 7338]	8675	[3750, 7728]
1026	[1894, 1895]	3576	[2445, 5482]	6126	[7981, 7982]	8676	[1668, 7961]
1027	[1896, 1897]	3577	[5483, 5045]	6127	[7874, 7983]	8677	[9569, 1475]
1028	[1898, 1899]	3578	[2581, 155]	6128	[7177, 3684]	8678	[9570, 1193]
1029	[1900, 1901]	3579	[5484, 5485]	6129	[7984, 7985]	8679	[9571, 9572]
1030	[1902, 1903]	3580	[2248, 2036]	6130	[1477, 7790]	8680	[9573, 987]
1031	[1904, 1905]	3581	[2252, 5486]	6131	[7986, 349]	8681	[7461, 9574]
1032	[1906, 1907]	3582	[5487, 5488]	6132	[7987, 7988]	8682	[9575, 6656]
1033	[1908, 1909]	3583	[2266, 5489]	6133	[339, 3819]	8683	[1624, 483]
1034	[792, 1910]	3584	[1823, 5490]	6134	[4080, 1383]	8684	[7368, 1149]
1035	[1911, 603]	3585	[5491, 5492]	6135	[442, 7059]	8685	[4226, 4778]
1036	[1912, 208]	3586	[5493, 5494]	6136	[7989, 7990]	8686	[1691, 9576]
1037	[1913, 1914]	3587	[4978, 5495]	6137	[1230, 299]	8687	[1165, 9577]
1038	[1915, 1916]	3588	[5496, 713]	6138	[3488, 7991]	8688	[6691, 8134]
1039	[1917, 1918]	3589	[5382, 553]	6139	[7992, 7993]	8689	[4038, 1692]
1040	[1919, 1920]	3590	[5497, 633]	6140	[7994, 3307]	8690	[4589, 7818]
1041	[1921, 1922]	3591	[2917, 1808]	6141	[7995, 7996]	8691	[9578, 9404]
1042	[1923, 1924]	3592	[5297, 5498]	6142	[1484, 7941]	8692	[9579, 3247]
1043	[1925, 1926]	3593	[5087, 5499]	6143	[3810, 7997]	8693	[9580, 9581]
1044	[1927, 1928]	3594	[5500, 5501]	6144	[7998, 7999]	8694	[4339, 4758]
1045	[1929, 1930]	3595	[5502, 5462]	6145	[8000, 4422]	8695	[9582, 7705]
1046	[1931, 1932]	3596	[5503, 5504]	6146	[1159, 8001]	8696	[6970, 3919]
1047	[1933, 1934]	3597	[4939, 928]	6147	[3255, 108]	8697	[8063, 403]
1048	[1935, 1936]	3598	[130, 2452]	6148	[8002, 7539]	8698	[9583, 8323]
1049	[1937, 583]	3599	[5505, 744]	6149	[3044, 8003]	8699	[1147, 1185]
1050	[1938, 1939]	3600	[5506, 2268]	6150	[8004, 3712]	8700	[6799, 9584]
1051	[864, 1940]	3601	[5507, 2459]	6151	[8005, 3855]	8701	[1371, 4374]
1052	[1941, 550]	3602	[5508, 5509]	6152	[7819, 3562]	8702	[9585, 7674]
1053	[1942, 1943]	3603	[2143, 5510]	6153	[8006, 1362]	8703	[9586, 488]
1054	[1944, 1945]	3604	[5266, 5511]	6154	[3497, 7639]	8704	[9539, 4359]
1055	[1946, 1947]	3605	[5512, 5164]	6155	[8007, 1738]	8705	[4417, 7997]
1056	[1948, 1949]	3606	[5513, 1974]	6156	[8008, 8009]	8706	[7191, 3564]
1057	[1950, 860]	3607	[5505, 2212]	6157	[8010, 6660]	8707	[9587, 3027]
1058	[1880, 898]	3608	[5514, 657]	6158	[433, 4036]	8708	[4328, 958]

1059	[1846, 604]	3609	[2645, 5072]	6159	[7152, 3134]	8709	[6808, 8166]
1060	[1951, 1952]	3610	[2475, 5515]	6160	[8011, 8012]	8710	[1267, 1155]
1061	[1953, 1954]	3611	[5516, 2450]	6161	[442, 6907]	8711	[9588, 1713]
1062	[1955, 1956]	3612	[2495, 2740]	6162	[8013, 7193]	8712	[420, 7197]
1063	[1957, 1958]	3613	[2565, 5517]	6163	[3667, 8014]	8713	[108, 8284]
1064	[1959, 906]	3614	[5518, 5519]	6164	[6656, 7141]	8714	[9589, 9390]
1065	[1960, 1961]	3615	[5520, 5521]	6165	[8015, 7894]	8715	[7857, 4674]
1066	[1962, 1963]	3616	[5522, 4914]	6166	[1256, 7754]	8716	[348, 8092]
1067	[1964, 1965]	3617	[1816, 5523]	6167	[7260, 8016]	8717	[3727, 8065]
1068	[1966, 1967]	3618	[872, 5524]	6168	[8017, 1735]	8718	[8241, 1217]
1069	[1968, 1969]	3619	[857, 2006]	6169	[8018, 6756]	8719	[9590, 9404]
1070	[1970, 1804]	3620	[5525, 5526]	6170	[8019, 7836]	8720	[72, 9591]
1071	[1971, 1972]	3621	[2733, 5527]	6171	[7713, 7403]	8721	[3984, 301]
1072	[1973, 1974]	3622	[5528, 5529]	6172	[1706, 298]	8722	[9592, 362]
1073	[49, 1975]	3623	[5530, 5531]	6173	[8020, 1657]	8723	[9553, 4490]
1074	[1976, 506]	3624	[5532, 4967]	6174	[7923, 3262]	8724	[1106, 3140]
1075	[1977, 247]	3625	[5533, 5534]	6175	[3791, 8021]	8725	[8068, 3589]
1076	[1978, 1979]	3626	[5535, 5536]	6176	[8022, 8023]	8726	[4656, 9593]
1077	[1980, 1981]	3627	[5325, 2302]	6177	[280, 7794]	8727	[7242, 1112]
1078	[1982, 1983]	3628	[2575, 4866]	6178	[8024, 4424]	8728	[9594, 8248]
1079	[1984, 1985]	3629	[5537, 5538]	6179	[8025, 417]	8729	[1051, 1409]
1080	[1986, 1987]	3630	[5314, 1980]	6180	[7781, 8026]	8730	[9595, 7136]
1081	[1988, 1989]	3631	[5539, 4923]	6181	[8027, 8028]	8731	[6786, 4512]
1082	[1990, 1991]	3632	[5540, 5541]	6182	[4526, 8029]	8732	[3212, 9550]
1083	[1992, 1993]	3633	[5300, 5542]	6183	[3558, 96]	8733	[9381, 8004]
1084	[1994, 1995]	3634	[5543, 33]	6184	[7585, 7025]	8734	[284, 1671]
1085	[1996, 1997]	3635	[5544, 5545]	6185	[3122, 6845]	8735	[64, 9596]
1086	[1998, 1999]	3636	[5546, 5547]	6186	[4230, 8030]	8736	[4385, 6975]
1087	[2000, 2001]	3637	[5548, 5549]	6187	[8031, 8032]	8737	[7459, 7897]
1088	[2002, 2003]	3638	[5550, 2849]	6188	[8033, 8034]	8738	[103, 3623]
1089	[2004, 2005]	3639	[2218, 5551]	6189	[4006, 490]	8739	[9597, 9598]
1090	[2006, 2007]	3640	[5552, 2261]	6190	[7319, 7514]	8740	[9518, 3515]
1091	[2008, 2009]	3641	[5553, 5554]	6191	[8035, 1045]	8741	[6, 1542]
1092	[2010, 2011]	3642	[5555, 5144]	6192	[4613, 8036]	8742	[1552, 4710]
1093	[2012, 884]	3643	[5556, 5557]	6193	[6762, 8037]	8743	[1626, 9599]
1094	[2013, 2014]	3644	[2926, 4794]	6194	[4742, 8038]	8744	[8097, 9600]
1095	[666, 2015]	3645	[5517, 2272]	6195	[8039, 8040]	8745	[8282, 9601]
1096	[2016, 2017]	3646	[5558, 212]	6196	[8041, 8042]	8746	[3865, 6938]
1097	[2018, 2019]	3647	[5469, 1883]	6197	[3123, 8043]	8747	[8222, 7148]
1098	[2020, 187]	3648	[873, 2003]	6198	[8044, 4631]	8748	[9602, 3723]
1099	[2021, 2022]	3649	[5302, 5559]	6199	[3743, 3860]	8749	[9603, 4633]
1100	[2023, 670]	3650	[4841, 5560]	6200	[1154, 1268]	8750	[3742, 7107]
1101	[2024, 2025]	3651	[5561, 5562]	6201	[8045, 418]	8751	[7504, 8212]
1102	[2026, 1829]	3652	[5563, 2846]	6202	[8046, 3424]	8752	[9604, 4698]

1103	[2027, 2028]	3653	[5564, 4892]	6203	[281, 4384]	8753	[9605, 3472]
1104	[2029, 2030]	3654	[2996, 5565]	6204	[71, 3527]	8754	[9606, 71]
1105	[834, 2031]	3655	[5566, 5567]	6205	[8047, 6988]	8755	[9607, 9608]
1106	[2032, 2033]	3656	[5568, 5569]	6206	[7182, 6737]	8756	[9609, 3487]
1107	[2034, 1796]	3657	[5570, 723]	6207	[3809, 8048]	8757	[9610, 3281]
1108	[2035, 2036]	3658	[2323, 5571]	6208	[452, 7391]	8758	[7829, 3147]
1109	[2037, 2038]	3659	[5572, 5573]	6209	[8049, 3892]	8759	[3997, 9611]
1110	[2039, 2040]	3660	[5574, 2267]	6210	[8050, 7562]	8760	[9612, 9613]
1111	[2041, 2042]	3661	[5575, 5576]	6211	[4483, 25]	8761	[9614, 9615]
1112	[2043, 2044]	3662	[4875, 1914]	6212	[8051, 7763]	8762	[8083, 9616]
1113	[2045, 944]	3663	[5130, 2392]	6213	[3546, 8052]	8763	[7983, 9377]
1114	[2046, 2047]	3664	[5577, 5578]	6214	[4016, 8053]	8764	[7799, 6744]
1115	[2048, 2049]	3665	[5579, 5580]	6215	[421, 3458]	8765	[9617, 9618]
1116	[2050, 568]	3666	[2164, 875]	6216	[350, 6894]	8766	[9619, 1291]
1117	[646, 2051]	3667	[5581, 5582]	6217	[7803, 1522]	8767	[9620, 8137]
1118	[2052, 2053]	3668	[5583, 5584]	6218	[8054, 7628]	8768	[7396, 7052]
1119	[1783, 2054]	3669	[539, 900]	6219	[8055, 8056]	8769	[9621, 4404]
1120	[2055, 2056]	3670	[5585, 4798]	6220	[1288, 3207]	8770	[4435, 9622]
1121	[244, 637]	3671	[5586, 5587]	6221	[8057, 3247]	8771	[4459, 1197]
1122	[1769, 2057]	3672	[5588, 2554]	6222	[27, 1512]	8772	[4164, 1558]
1123	[2058, 2059]	3673	[5589, 5590]	6223	[3445, 1462]	8773	[9623, 353]
1124	[1928, 2060]	3674	[5591, 5518]	6224	[8058, 3573]	8774	[6803, 1450]
1125	[2061, 153]	3675	[2616, 5592]	6225	[4152, 7262]	8775	[1642, 3253]
1126	[2062, 2063]	3676	[5288, 5593]	6226	[7316, 8059]	8776	[6776, 3794]
1127	[2064, 2065]	3677	[5594, 5008]	6227	[4534, 3571]	8777	[7760, 4515]
1128	[2066, 2067]	3678	[5595, 5123]	6228	[3712, 8001]	8778	[9624, 3936]
1129	[2068, 2069]	3679	[5596, 5597]	6229	[8060, 8061]	8779	[8085, 9625]
1130	[2070, 2071]	3680	[5598, 5599]	6230	[8062, 6726]	8780	[8039, 4477]
1131	[770, 1986]	3681	[556, 1797]	6231	[8063, 1250]	8781	[1194, 9626]
1132	[2072, 1936]	3682	[5600, 5601]	6232	[3590, 8064]	8782	[9627, 9628]
1133	[2073, 2074]	3683	[2702, 157]	6233	[4343, 7865]	8783	[9629, 9630]
1134	[546, 2075]	3684	[746, 5602]	6234	[329, 8065]	8784	[7189, 8042]
1135	[2076, 822]	3685	[5603, 5604]	6235	[338, 3818]	8785	[4381, 7570]
1136	[2077, 2078]	3686	[5605, 5606]	6236	[8066, 7557]	8786	[3531, 7802]
1137	[586, 1822]	3687	[5607, 5608]	6237	[7383, 342]	8787	[9631, 8099]
1138	[2079, 2080]	3688	[5609, 5610]	6238	[8067, 3784]	8788	[8004, 1159]
1139	[150, 1943]	3689	[5430, 5611]	6239	[8068, 4103]	8789	[8024, 9451]
1140	[2081, 2082]	3690	[5612, 5328]	6240	[8069, 3130]	8790	[7432, 9632]
1141	[1883, 2083]	3691	[2770, 2996]	6241	[6788, 8070]	8791	[1646, 3407]
1142	[2084, 2085]	3692	[5613, 680]	6242	[1245, 3893]	8792	[445, 9622]
1143	[2086, 2087]	3693	[5614, 5615]	6243	[301, 6725]	8793	[6845, 9633]
1144	[2088, 2089]	3694	[5616, 3004]	6244	[8071, 8072]	8794	[7969, 9634]
1145	[2090, 2091]	3695	[5369, 5617]	6245	[6792, 3942]	8795	[9635, 1656]
1146	[2092, 2093]	3696	[5618, 5619]	6246	[8073, 1504]	8796	[9636, 9637]

1147	[2094, 2095]	3697	[2504, 5620]	6247	[8074, 8075]	8797	[9638, 7312]
1148	[774, 640]	3698	[2626, 5621]	6248	[8076, 3353]	8798	[4415, 7331]
1149	[2096, 2097]	3699	[5622, 5623]	6249	[8077, 8078]	8799	[8046, 9639]
1150	[580, 2057]	3700	[5624, 5625]	6250	[7837, 4163]	8800	[4731, 4338]
1151	[594, 1831]	3701	[5626, 5456]	6251	[8079, 8080]	8801	[6906, 3923]
1152	[2098, 2099]	3702	[5627, 5628]	6252	[951, 7551]	8802	[8018, 1414]
1153	[2100, 2101]	3703	[5629, 5630]	6253	[1740, 4694]	8803	[1300, 7568]
1154	[2102, 2103]	3704	[5631, 717]	6254	[8062, 1440]	8804	[3920, 1578]
1155	[2104, 2105]	3705	[5632, 2664]	6255	[8081, 8082]	8805	[9640, 7876]
1156	[2106, 603]	3706	[5633, 5634]	6256	[8083, 3533]	8806	[3886, 1003]
1157	[2107, 2108]	3707	[5635, 5356]	6257	[8084, 3333]	8807	[9641, 3894]
1158	[2109, 2110]	3708	[5335, 5636]	6258	[7113, 4553]	8808	[1058, 1614]
1159	[2111, 216]	3709	[5637, 5638]	6259	[8085, 6729]	8809	[1404, 4048]
1160	[2112, 2113]	3710	[5639, 2266]	6260	[8086, 8087]	8810	[4334, 9642]
1161	[2114, 2115]	3711	[5640, 564]	6261	[8088, 8083]	8811	[7234, 8124]
1162	[2116, 2117]	3712	[5641, 2612]	6262	[4236, 4626]	8812	[3248, 3320]
1163	[2118, 2119]	3713	[5642, 5498]	6263	[8089, 8090]	8813	[4771, 1549]
1164	[2120, 2121]	3714	[5643, 2363]	6264	[8091, 3640]	8814	[9643, 9644]
1165	[2122, 2123]	3715	[2828, 5644]	6265	[1137, 1571]	8815	[9645, 6850]
1166	[2124, 2125]	3716	[5119, 5645]	6266	[7986, 8092]	8816	[9646, 1346]
1167	[861, 2101]	3717	[5646, 2783]	6267	[8093, 8094]	8817	[8238, 9647]
1168	[2126, 2127]	3718	[1965, 5647]	6268	[6816, 8095]	8818	[4063, 6971]
1169	[2128, 2129]	3719	[2967, 5648]	6269	[7962, 1218]	8819	[3573, 9648]
1170	[2130, 2131]	3720	[818, 2571]	6270	[8096, 3593]	8820	[9649, 9650]
1171	[2132, 1916]	3721	[5649, 4878]	6271	[8097, 4169]	8821	[9651, 7713]
1172	[2133, 2134]	3722	[2756, 4842]	6272	[8098, 8099]	8822	[7559, 7153]
1173	[2135, 2136]	3723	[2780, 2400]	6273	[8100, 8101]	8823	[7887, 3335]
1174	[2137, 2138]	3724	[647, 2397]	6274	[1239, 8102]	8824	[4003, 1310]
1175	[2139, 1898]	3725	[5650, 668]	6275	[8103, 8104]	8825	[9652, 7615]
1176	[2140, 2141]	3726	[2586, 5651]	6276	[4749, 8105]	8826	[3896, 1037]
1177	[2142, 2143]	3727	[2963, 5652]	6277	[1558, 3359]	8827	[7625, 9653]
1178	[2144, 2145]	3728	[5653, 2900]	6278	[3762, 412]	8828	[7180, 4740]
1179	[2146, 2147]	3729	[5654, 5655]	6279	[8106, 8107]	8829	[417, 9654]
1180	[2148, 2149]	3730	[5656, 1932]	6280	[8108, 3152]	8830	[9655, 8148]
1181	[2150, 2151]	3731	[2948, 2660]	6281	[7392, 4483]	8831	[7983, 3967]
1182	[2152, 2153]	3732	[5657, 2912]	6282	[7694, 8109]	8832	[3414, 7981]
1183	[2154, 2155]	3733	[2950, 4960]	6283	[8110, 3066]	8833	[9656, 7951]
1184	[2156, 2073]	3734	[5156, 2219]	6284	[1202, 8111]	8834	[8005, 9657]
1185	[2157, 2158]	3735	[5658, 1803]	6285	[3404, 3591]	8835	[8149, 1738]
1186	[2159, 2160]	3736	[2385, 5066]	6286	[7416, 8112]	8836	[7946, 7449]
1187	[2161, 2162]	3737	[5659, 5643]	6287	[7870, 7904]	8837	[1637, 1001]
1188	[2163, 2164]	3738	[5660, 4893]	6288	[8113, 8114]	8838	[1523, 4459]
1189	[2165, 1776]	3739	[2817, 2928]	6289	[4178, 8115]	8839	[7926, 1060]
1190	[2166, 2167]	3740	[2651, 5661]	6290	[4109, 4646]	8840	[4525, 6994]

1191	[2168, 2169]	3741	[5662, 5663]	6291	[3311, 3989]	8841	[7156, 465]
1192	[680, 2170]	3742	[5664, 5304]	6292	[8008, 8116]	8842	[9658, 9550]
1193	[2171, 2172]	3743	[2740, 1940]	6293	[8117, 4022]	8843	[1716, 9659]
1194	[2173, 2174]	3744	[5665, 883]	6294	[8118, 8119]	8844	[9660, 9661]
1195	[2175, 2176]	3745	[4949, 144]	6295	[8120, 1612]	8845	[7114, 8021]
1196	[2177, 876]	3746	[5666, 5667]	6296	[3222, 442]	8846	[7636, 7996]
1197	[2178, 2179]	3747	[5668, 2204]	6297	[8121, 6960]	8847	[7607, 7726]
1198	[2180, 2181]	3748	[5669, 170]	6298	[8122, 4410]	8848	[6925, 7188]
1199	[2182, 2183]	3749	[5670, 5671]	6299	[7979, 1399]	8849	[7642, 9662]
1200	[2184, 2062]	3750	[831, 5672]	6300	[1689, 6781]	8850	[3236, 8318]
1201	[2185, 2186]	3751	[775, 2432]	6301	[7155, 6672]	8851	[9663, 7242]
1202	[175, 781]	3752	[5673, 5674]	6302	[3405, 3735]	8852	[9474, 1248]
1203	[2187, 173]	3753	[5538, 5675]	6303	[8123, 6719]	8853	[9664, 9665]
1204	[2188, 2189]	3754	[2056, 5232]	6304	[6853, 8124]	8854	[68, 9666]
1205	[2190, 2191]	3755	[3008, 2298]	6305	[3668, 8125]	8855	[3271, 3762]
1206	[2192, 2193]	3756	[5373, 5676]	6306	[3833, 3179]	8856	[9508, 8014]
1207	[1789, 2194]	3757	[2029, 2594]	6307	[7963, 8126]	8857	[7840, 7221]
1208	[1814, 2195]	3758	[5677, 5590]	6308	[7756, 8127]	8858	[9667, 331]
1209	[2196, 2197]	3759	[789, 5392]	6309	[8128, 360]	8859	[9668, 3661]
1210	[2198, 2199]	3760	[5678, 2120]	6310	[8129, 7615]	8860	[9669, 1136]
1211	[2200, 2201]	3761	[5679, 5680]	6311	[8130, 3226]	8861	[3578, 7030]
1212	[665, 221]	3762	[609, 612]	6312	[7849, 3127]	8862	[7369, 3347]
1213	[2202, 650]	3763	[5319, 5681]	6313	[8131, 8132]	8863	[4105, 4730]
1214	[2203, 2204]	3764	[5682, 5683]	6314	[7161, 3578]	8864	[4594, 7199]
1215	[2205, 2206]	3765	[4829, 5684]	6315	[4025, 483]	8865	[4234, 7665]
1216	[2207, 2208]	3766	[5685, 5686]	6316	[4142, 4687]	8866	[9670, 3869]
1217	[551, 2209]	3767	[620, 5687]	6317	[8133, 7241]	8867	[9671, 3046]
1218	[2210, 2211]	3768	[5688, 2316]	6318	[8134, 7194]	8868	[7830, 4214]
1219	[743, 2212]	3769	[5689, 2320]	6319	[8135, 3948]	8869	[3783, 9672]
1220	[2213, 2207]	3770	[517, 2527]	6320	[7783, 1749]	8870	[1206, 1564]
1221	[1986, 2214]	3771	[5690, 168]	6321	[8136, 4777]	8871	[6915, 3657]
1222	[2215, 2216]	3772	[2417, 5691]	6322	[1167, 7874]	8872	[394, 8319]
1223	[1884, 2217]	3773	[5692, 5667]	6323	[8137, 7734]	8873	[4660, 3951]
1224	[2218, 2219]	3774	[5693, 5694]	6324	[8138, 4463]	8874	[1601, 3622]
1225	[2220, 2082]	3775	[5695, 2973]	6325	[8139, 8140]	8875	[7921, 4312]
1226	[2221, 2063]	3776	[5696, 2136]	6326	[6707, 8037]	8876	[8129, 9673]
1227	[587, 1823]	3777	[5697, 5698]	6327	[6883, 8141]	8877	[1459, 7709]
1228	[2222, 2223]	3778	[5699, 140]	6328	[3448, 1445]	8878	[9674, 4578]
1229	[2224, 2225]	3779	[5243, 2762]	6329	[948, 458]	8879	[3123, 9633]
1230	[2226, 2227]	3780	[5700, 2385]	6330	[7115, 3112]	8880	[7902, 3217]
1231	[2228, 2229]	3781	[5701, 5686]	6331	[8142, 8143]	8881	[4670, 9675]
1232	[2230, 2231]	3782	[5702, 5703]	6332	[7832, 7896]	8882	[9676, 1634]
1233	[2232, 2233]	3783	[2507, 5704]	6333	[8144, 7617]	8883	[80, 4307]
1234	[2234, 2235]	3784	[5705, 946]	6334	[4456, 4694]	8884	[4288, 7020]

1235	[2236, 2237]	3785	[2787, 2160]	6335	[3775, 4120]	8885	[4447, 1261]
1236	[550, 2238]	3786	[5706, 130]	6336	[4273, 3150]	8886	[7585, 9677]
1237	[2239, 2240]	3787	[5707, 786]	6337	[1062, 7348]	8887	[3790, 8033]
1238	[2241, 2242]	3788	[5057, 5708]	6338	[3499, 8145]	8888	[1250, 404]
1239	[2243, 2244]	3789	[778, 5411]	6339	[1726, 8146]	8889	[3241, 1086]
1240	[2245, 2246]	3790	[5709, 5710]	6340	[8147, 8148]	8890	[9678, 3239]
1241	[2247, 2248]	3791	[2311, 2474]	6341	[8149, 8150]	8891	[9679, 9680]
1242	[2249, 2250]	3792	[5711, 829]	6342	[8151, 8152]	8892	[9681, 9682]
1243	[2251, 2252]	3793	[5712, 5713]	6343	[8153, 8154]	8893	[9683, 9684]
1244	[2253, 2254]	3794	[5714, 5567]	6344	[8155, 8156]	8894	[3832, 3625]
1245	[2255, 850]	3795	[5715, 535]	6345	[3064, 3520]	8895	[6803, 4637]
1246	[2256, 2257]	3796	[5716, 5717]	6346	[8157, 8158]	8896	[9685, 4378]
1247	[2258, 2259]	3797	[5718, 5593]	6347	[6887, 4454]	8897	[9686, 9687]
1248	[2260, 2261]	3798	[5719, 5720]	6348	[4139, 8159]	8898	[7516, 1526]
1249	[2192, 2262]	3799	[5721, 2049]	6349	[8160, 4170]	8899	[7492, 3949]
1250	[2263, 2264]	3800	[5722, 2391]	6350	[8161, 4371]	8900	[4258, 1747]
1251	[2265, 2266]	3801	[5723, 5724]	6351	[4386, 7047]	8901	[1221, 7430]
1252	[2267, 2268]	3802	[2023, 1766]	6352	[1351, 308]	8902	[9495, 8140]
1253	[2269, 2270]	3803	[5157, 5725]	6353	[8162, 8143]	8903	[9688, 9380]
1254	[2271, 2272]	3804	[596, 5726]	6354	[7144, 3996]	8904	[1438, 4430]
1255	[2273, 2274]	3805	[5727, 5728]	6355	[8163, 7036]	8905	[3907, 9424]
1256	[2275, 2009]	3806	[5729, 2112]	6356	[8164, 4476]	8906	[3450, 9466]
1257	[1874, 2276]	3807	[5730, 2471]	6357	[7484, 7773]	8907	[9512, 4461]
1258	[2277, 2278]	3808	[5731, 5732]	6358	[8165, 1425]	8908	[9689, 9690]
1259	[2279, 2280]	3809	[2080, 4813]	6359	[7847, 8166]	8909	[387, 9628]
1260	[2281, 2282]	3810	[5106, 5733]	6360	[3442, 8017]	8910	[9691, 3426]
1261	[2283, 2284]	3811	[5734, 5028]	6361	[8167, 7360]	8911	[7937, 8132]
1262	[2285, 2199]	3812	[5735, 5736]	6362	[7991, 3882]	8912	[7540, 6650]
1263	[2286, 2287]	3813	[5737, 5738]	6363	[7717, 8168]	8913	[9691, 1345]
1264	[593, 1830]	3814	[5739, 5740]	6364	[8169, 7581]	8914	[9692, 3636]
1265	[2288, 2069]	3815	[2911, 5741]	6365	[3064, 8170]	8915	[1656, 6787]
1266	[2289, 529]	3816	[5742, 5743]	6366	[8171, 6936]	8916	[7690, 7383]
1267	[2290, 2291]	3817	[5744, 5745]	6367	[3125, 3431]	8917	[7308, 9693]
1268	[2292, 2293]	3818	[5746, 2514]	6368	[995, 7685]	8918	[9694, 8108]
1269	[2294, 2295]	3819	[5747, 5748]	6369	[8172, 8173]	8919	[9695, 9696]
1270	[2296, 2228]	3820	[5749, 2860]	6370	[7745, 3956]	8920	[1049, 4761]
1271	[2297, 2298]	3821	[5750, 2752]	6371	[8174, 8175]	8921	[1661, 432]
1272	[2299, 2300]	3822	[2959, 2154]	6372	[7106, 7683]	8922	[3954, 7864]
1273	[2301, 844]	3823	[5751, 2025]	6373	[4780, 8176]	8923	[3528, 4014]
1274	[2302, 2303]	3824	[5752, 5381]	6374	[3162, 4110]	8924	[7426, 4040]
1275	[2304, 2305]	3825	[5753, 523]	6375	[7268, 8177]	8925	[4682, 4512]
1276	[2135, 2306]	3826	[841, 240]	6376	[8178, 8179]	8926	[3014, 1182]
1277	[2307, 2308]	3827	[5483, 5286]	6377	[7231, 8180]	8927	[3885, 358]
1278	[194, 2309]	3828	[4902, 5754]	6378	[4732, 7555]	8928	[1199, 3797]

1279	[2310, 2093]	3829	[1795, 5755]	6379	[8181, 3955]	8929	[308, 9697]
1280	[2311, 904]	3830	[5756, 5757]	6380	[4355, 8182]	8930	[9698, 4645]
1281	[2312, 2313]	3831	[5326, 5758]	6381	[8161, 8053]	8931	[9699, 6678]
1282	[2314, 2315]	3832	[5759, 5760]	6382	[8036, 3280]	8932	[9700, 7464]
1283	[2316, 2317]	3833	[5761, 5762]	6383	[8183, 7578]	8933	[9701, 7474]
1284	[2318, 2319]	3834	[5763, 2008]	6384	[8184, 7767]	8934	[9702, 1578]
1285	[2320, 2321]	3835	[5764, 5765]	6385	[8185, 8186]	8935	[7527, 6684]
1286	[2322, 2323]	3836	[5766, 2512]	6386	[8187, 1390]	8936	[4693, 7585]
1287	[2324, 1852]	3837	[5767, 5768]	6387	[7861, 7848]	8937	[4686, 4143]
1288	[2325, 795]	3838	[5769, 5770]	6388	[8188, 3896]	8938	[8266, 8070]
1289	[2326, 2327]	3839	[5132, 5771]	6389	[3396, 277]	8939	[9703, 7970]
1290	[2328, 2329]	3840	[2422, 1891]	6390	[8189, 313]	8940	[7827, 3246]
1291	[2330, 2331]	3841	[5772, 5773]	6391	[3758, 8190]	8941	[9704, 9705]
1292	[2332, 2333]	3842	[5774, 5775]	6392	[8191, 8192]	8942	[471, 9706]
1293	[2334, 2335]	3843	[5510, 531]	6393	[8193, 8194]	8943	[3708, 7304]
1294	[706, 2336]	3844	[5776, 5777]	6394	[8195, 3633]	8944	[9445, 9707]
1295	[2337, 2338]	3845	[2775, 2426]	6395	[8196, 8131]	8945	[3894, 4436]
1296	[2314, 2339]	3846	[5778, 5779]	6396	[7602, 4529]	8946	[1174, 7549]
1297	[2340, 2341]	3847	[5780, 5085]	6397	[8197, 7878]	8947	[9708, 9709]
1298	[2342, 11]	3848	[5781, 2738]	6398	[4064, 3863]	8948	[7708, 1654]
1299	[2343, 13]	3849	[5782, 5783]	6399	[7863, 7299]	8949	[420, 1030]
1300	[2344, 2345]	3850	[509, 2314]	6400	[984, 7407]	8950	[9710, 9400]
1301	[2346, 2347]	3851	[5784, 2616]	6401	[6807, 360]	8951	[9711, 3274]
1302	[2348, 2349]	3852	[2499, 5785]	6402	[7249, 4459]	8952	[4009, 9712]
1303	[2350, 2351]	3853	[5786, 5787]	6403	[8198, 8199]	8953	[393, 7540]
1304	[2352, 2353]	3854	[2411, 2532]	6404	[7768, 3926]	8954	[9641, 3224]
1305	[2354, 866]	3855	[5788, 5610]	6405	[382, 8200]	8955	[7545, 9713]
1306	[146, 2355]	3856	[4907, 2610]	6406	[7900, 425]	8956	[6934, 9714]
1307	[2356, 2357]	3857	[5789, 4895]	6407	[1181, 3015]	8957	[3544, 7278]
1308	[770, 2358]	3858	[5790, 5791]	6408	[8201, 3341]	8958	[7244, 347]
1309	[2269, 2359]	3859	[5792, 2516]	6409	[6787, 8202]	8959	[6683, 9715]
1310	[2360, 2361]	3860	[5793, 5794]	6410	[8203, 8204]	8960	[8265, 4483]
1311	[2362, 2363]	3861	[5224, 5795]	6411	[8205, 8206]	8961	[449, 9401]
1312	[2364, 2365]	3862	[5796, 5797]	6412	[8207, 8173]	8962	[413, 4709]
1313	[2366, 1802]	3863	[5798, 5694]	6413	[7337, 1411]	8963	[367, 9716]
1314	[2367, 2368]	3864	[5799, 205]	6414	[3702, 3786]	8964	[4321, 9717]
1315	[2369, 2370]	3865	[5800, 5286]	6415	[6695, 3605]	8965	[3353, 23]
1316	[2371, 2372]	3866	[5801, 5802]	6416	[3662, 3249]	8966	[9718, 4670]
1317	[2373, 2374]	3867	[5803, 5804]	6417	[8208, 6896]	8967	[4227, 9719]
1318	[2375, 2376]	3868	[5688, 5267]	6418	[8209, 6835]	8968	[9720, 3710]
1319	[2377, 2378]	3869	[3005, 5747]	6419	[7801, 3673]	8969	[9558, 7043]
1320	[2379, 2022]	3870	[5253, 4953]	6420	[1127, 3313]	8970	[9721, 4617]
1321	[2380, 2381]	3871	[5805, 5757]	6421	[7322, 4263]	8971	[1546, 8145]
1322	[2382, 930]	3872	[5445, 5806]	6422	[7535, 1727]	8972	[1736, 7669]

1323	[2383, 2054]	3873	[2399, 5807]	6423	[8210, 7377]	8973	[7870, 4317]
1324	[2384, 1980]	3874	[5808, 5809]	6424	[1422, 8211]	8974	[8093, 335]
1325	[2385, 2125]	3875	[927, 4940]	6425	[7316, 8212]	8975	[3243, 3988]
1326	[2386, 2387]	3876	[5810, 5811]	6426	[8213, 4159]	8976	[7248, 1523]
1327	[2388, 2208]	3877	[5812, 5345]	6427	[8214, 1567]	8977	[7713, 7484]
1328	[2389, 566]	3878	[5813, 2183]	6428	[7101, 3909]	8978	[6897, 9722]
1329	[2390, 2391]	3879	[1808, 2140]	6429	[8215, 7104]	8979	[9723, 9724]
1330	[2392, 2393]	3880	[128, 2075]	6430	[7812, 3254]	8980	[9725, 9726]
1331	[2394, 2395]	3881	[5814, 5444]	6431	[7723, 7024]	8981	[9727, 9728]
1332	[2396, 2014]	3882	[2730, 5815]	6432	[1521, 1107]	8982	[9436, 4191]
1333	[2397, 2398]	3883	[5816, 5608]	6433	[1710, 8216]	8983	[3170, 6676]
1334	[2399, 2400]	3884	[5817, 5818]	6434	[8217, 8218]	8984	[1714, 4309]
1335	[2401, 2402]	3885	[5819, 2418]	6435	[6732, 3531]	8985	[3153, 7611]
1336	[2403, 2121]	3886	[5286, 5820]	6436	[3451, 8219]	8986	[3922, 1239]
1337	[2404, 2405]	3887	[4799, 5821]	6437	[8220, 8221]	8987	[7346, 1089]
1338	[2406, 238]	3888	[5822, 5823]	6438	[7787, 7511]	8988	[7208, 8012]
1339	[2407, 633]	3889	[2414, 5824]	6439	[8222, 3073]	8989	[9729, 1045]
1340	[2016, 823]	3890	[5825, 5534]	6440	[8223, 4101]	8990	[4107, 1527]
1341	[2408, 2409]	3891	[5826, 1860]	6441	[1660, 431]	8991	[7980, 1411]
1342	[893, 2410]	3892	[5827, 5513]	6442	[3880, 6755]	8992	[9730, 9584]
1343	[2411, 2412]	3893	[5199, 5139]	6443	[4307, 8224]	8993	[1380, 4557]
1344	[2413, 2414]	3894	[5828, 5542]	6444	[8225, 3266]	8994	[365, 3370]
1345	[2415, 2416]	3895	[5829, 5830]	6445	[8226, 4522]	8995	[9731, 7999]
1346	[2417, 2418]	3896	[5831, 5354]	6446	[8227, 4368]	8996	[6783, 4229]
1347	[2419, 2420]	3897	[5832, 5833]	6447	[1433, 3828]	8997	[9732, 3830]
1348	[2421, 2422]	3898	[5834, 5835]	6448	[8228, 4383]	8998	[9700, 376]
1349	[2423, 133]	3899	[5836, 2301]	6449	[3104, 1049]	8999	[4354, 9634]
1350	[2424, 2425]	3900	[5059, 5837]	6450	[4618, 8229]	9000	[4512, 4352]
1351	[2098, 2426]	3901	[5838, 934]	6451	[981, 8230]	9001	[7414, 4390]
1352	[2427, 2428]	3902	[5839, 5840]	6452	[8231, 3969]	9002	[7842, 8126]
1353	[2429, 2430]	3903	[5841, 5842]	6453	[8232, 4391]	9003	[9733, 9734]
1354	[2431, 2432]	3904	[5843, 5154]	6454	[4333, 6771]	9004	[4293, 1142]
1355	[2433, 2434]	3905	[642, 5844]	6455	[1745, 7930]	9005	[4034, 7013]
1356	[2435, 2436]	3906	[5845, 165]	6456	[8233, 4083]	9006	[978, 6941]
1357	[2437, 1920]	3907	[521, 5297]	6457	[7680, 1675]	9007	[1120, 7594]
1358	[2438, 2439]	3908	[5846, 5847]	6458	[8234, 8235]	9008	[7614, 9735]
1359	[2440, 678]	3909	[5848, 5849]	6459	[1044, 454]	9009	[3532, 9616]
1360	[2441, 2442]	3910	[4834, 5850]	6460	[1204, 7205]	9010	[3944, 8113]
1361	[2443, 2444]	3911	[5803, 5851]	6461	[8236, 8237]	9011	[7110, 9736]
1362	[2445, 2228]	3912	[5729, 2907]	6462	[4542, 8088]	9012	[377, 4546]
1363	[139, 2177]	3913	[5852, 5853]	6463	[8238, 8032]	9013	[9737, 9738]
1364	[2446, 676]	3914	[5854, 5855]	6464	[8239, 8240]	9014	[1218, 9683]
1365	[2447, 2448]	3915	[1869, 5856]	6465	[6940, 4150]	9015	[4147, 9739]
1366	[2449, 2450]	3916	[5857, 61]	6466	[8241, 7962]	9016	[9740, 1467]

1367	[2451, 2452]	3917	[2344, 5858]	6467	[8242, 1436]	9017	[7509, 4782]
1368	[2453, 2454]	3918	[5859, 5860]	6468	[8243, 436]	9018	[8195, 7377]
1369	[2455, 2456]	3919	[5861, 2574]	6469	[8244, 1726]	9019	[9441, 1297]
1370	[915, 2457]	3920	[5862, 783]	6470	[3836, 8245]	9020	[265, 1097]
1371	[2458, 2459]	3921	[4990, 1971]	6471	[1759, 1066]	9021	[1633, 9741]
1372	[2460, 2461]	3922	[5863, 2245]	6472	[4753, 7423]	9022	[9742, 9743]
1373	[2462, 2463]	3923	[5864, 2566]	6473	[3413, 3909]	9023	[9478, 9744]
1374	[2464, 2465]	3924	[5865, 5473]	6474	[3801, 3472]	9024	[7900, 3662]
1375	[730, 2466]	3925	[5866, 5867]	6475	[7021, 4756]	9025	[7467, 390]
1376	[2467, 2468]	3926	[5440, 5868]	6476	[1452, 8246]	9026	[7223, 9745]
1377	[2469, 2470]	3927	[5869, 2881]	6477	[6839, 274]	9027	[7225, 7602]
1378	[2471, 2309]	3928	[45, 5870]	6478	[8247, 8248]	9028	[7525, 1696]
1379	[2472, 2473]	3929	[5871, 5756]	6479	[7856, 8249]	9029	[3664, 101]
1380	[903, 2474]	3930	[5203, 5872]	6480	[8250, 8251]	9030	[797, 6864]
1381	[2475, 2476]	3931	[5873, 2832]	6481	[4276, 8252]	9031	[3711, 3583]
1382	[2477, 2381]	3932	[5093, 5874]	6482	[7249, 1196]	9032	[1580, 77]
1383	[2045, 2478]	3933	[2120, 2590]	6483	[4239, 4223]	9033	[9746, 3459]
1384	[2479, 2480]	3934	[2358, 1987]	6484	[1153, 1318]	9034	[4209, 9747]
1385	[2481, 2482]	3935	[5875, 5876]	6485	[3534, 1058]	9035	[1614, 1375]
1386	[2483, 2484]	3936	[5877, 5296]	6486	[4627, 7877]	9036	[9748, 4364]
1387	[2485, 2486]	3937	[5878, 4871]	6487	[8253, 8254]	9037	[3574, 111]
1388	[2487, 918]	3938	[5879, 1969]	6488	[7966, 3760]	9038	[4395, 3076]
1389	[693, 2488]	3939	[5880, 2368]	6489	[8255, 4177]	9039	[9749, 9693]
1390	[2489, 2490]	3940	[5881, 5882]	6490	[6688, 8256]	9040	[9750, 7925]
1391	[2491, 2492]	3941	[5883, 5884]	6491	[8257, 1566]	9041	[7519, 7169]
1392	[2493, 2230]	3942	[2903, 5476]	6492	[1308, 4046]	9042	[4259, 1748]
1393	[1943, 2494]	3943	[5885, 5886]	6493	[1362, 1392]	9043	[9751, 9707]
1394	[2495, 864]	3944	[5887, 5621]	6494	[95, 3012]	9044	[3050, 9752]
1395	[132, 2496]	3945	[5888, 5889]	6495	[6889, 8258]	9045	[9732, 9753]
1396	[2497, 2498]	3946	[921, 5890]	6496	[6913, 8252]	9046	[8208, 3314]
1397	[2499, 2349]	3947	[5891, 5314]	6497	[8259, 1343]	9047	[9754, 7295]
1398	[2500, 2501]	3948	[5892, 2549]	6498	[8260, 4725]	9048	[9569, 9755]
1399	[2502, 556]	3949	[5893, 5894]	6499	[3199, 3272]	9049	[3911, 3736]
1400	[2503, 2504]	3950	[1848, 2857]	6500	[7823, 1616]	9050	[4553, 9756]
1401	[2505, 2506]	3951	[5895, 733]	6501	[8261, 7990]	9051	[6939, 4105]
1402	[2507, 2508]	3952	[5896, 5268]	6502	[8262, 1413]	9052	[3959, 9757]
1403	[2509, 2510]	3953	[5897, 5898]	6503	[7275, 4773]	9053	[3135, 7872]
1404	[786, 2360]	3954	[4831, 2143]	6504	[8263, 8264]	9054	[303, 3727]
1405	[2511, 641]	3955	[5899, 2521]	6505	[4110, 6814]	9055	[4357, 6749]
1406	[745, 2512]	3956	[5900, 5901]	6506	[1156, 8146]	9056	[3843, 7604]
1407	[2513, 2514]	3957	[2336, 5902]	6507	[6774, 8003]	9057	[9667, 1015]
1408	[2515, 2516]	3958	[5903, 5904]	6508	[7430, 3353]	9058	[4664, 3655]
1409	[2517, 237]	3959	[5905, 5906]	6509	[1705, 6703]	9059	[7050, 4707]
1410	[2224, 199]	3960	[5907, 147]	6510	[6859, 4507]	9060	[8244, 1156]

1411	[916, 2518]	3961	[5908, 1981]	6511	[8265, 1704]	9061	[9635, 4282]
1412	[2519, 2520]	3962	[5909, 5910]	6512	[1224, 3213]	9062	[1091, 3459]
1413	[2413, 2521]	3963	[5911, 705]	6513	[7798, 7329]	9063	[3522, 4705]
1414	[2522, 2523]	3964	[5912, 5913]	6514	[7178, 3487]	9064	[7120, 9758]
1415	[2524, 2525]	3965	[5914, 5915]	6515	[7962, 3491]	9065	[9721, 9405]
1416	[2526, 2527]	3966	[5916, 5806]	6516	[8266, 6789]	9066	[9759, 9760]
1417	[2528, 2529]	3967	[5917, 5918]	6517	[3386, 8267]	9067	[3336, 9747]
1418	[175, 2001]	3968	[851, 5919]	6518	[8268, 4133]	9068	[7326, 7266]
1419	[177, 2530]	3969	[5920, 1882]	6519	[8269, 4055]	9069	[7859, 8017]
1420	[2531, 2532]	3970	[210, 5921]	6520	[8270, 8271]	9070	[7384, 3075]
1421	[2533, 2534]	3971	[5922, 2916]	6521	[7127, 1743]	9071	[9761, 4615]
1422	[2535, 1971]	3972	[547, 832]	6522	[8272, 8273]	9072	[3772, 9762]
1423	[2536, 2537]	3973	[5923, 2757]	6523	[1211, 1455]	9073	[3841, 9763]
1424	[2538, 2539]	3974	[5924, 5341]	6524	[6802, 4636]	9074	[6936, 456]
1425	[2540, 2541]	3975	[2279, 5925]	6525	[3927, 7097]	9075	[4033, 7130]
1426	[565, 2542]	3976	[5926, 2209]	6526	[8210, 3633]	9076	[9713, 9764]
1427	[2543, 871]	3977	[5927, 54]	6527	[8274, 8275]	9077	[9402, 7647]
1428	[2544, 2545]	3978	[5928, 2387]	6528	[3114, 8276]	9078	[9765, 9766]
1429	[2484, 774]	3979	[5127, 1979]	6529	[8277, 3700]	9079	[4516, 9454]
1430	[2546, 2547]	3980	[5929, 149]	6530	[4559, 3461]	9080	[960, 4547]
1431	[2548, 2549]	3981	[5879, 5930]	6531	[1583, 4466]	9081	[96, 9767]
1432	[2550, 2551]	3982	[5931, 5262]	6532	[8278, 8279]	9082	[9768, 9769]
1433	[2552, 2553]	3983	[936, 5932]	6533	[8280, 8281]	9083	[9770, 4356]
1434	[2554, 2555]	3984	[2745, 5933]	6534	[3242, 3049]	9084	[8031, 9647]
1435	[2556, 1937]	3985	[5228, 5140]	6535	[3842, 1683]	9085	[7166, 7648]
1436	[2557, 2558]	3986	[5934, 2274]	6536	[3288, 3981]	9086	[3144, 309]
1437	[2559, 2560]	3987	[2170, 5935]	6537	[395, 7277]	9087	[4065, 3864]
1438	[2561, 910]	3988	[5936, 2237]	6538	[7232, 8282]	9088	[3099, 9757]
1439	[1810, 2562]	3989	[4838, 2989]	6539	[8283, 1203]	9089	[365, 4780]
1440	[2563, 1811]	3990	[2587, 4879]	6540	[7244, 322]	9090	[6850, 3658]
1441	[2564, 2565]	3991	[5937, 5938]	6541	[7065, 3874]	9091	[261, 9771]
1442	[2566, 2567]	3992	[5939, 2197]	6542	[7616, 7833]	9092	[9772, 9773]
1443	[2568, 2569]	3993	[5940, 5941]	6543	[3540, 7643]	9093	[6719, 9774]
1444	[1772, 60]	3994	[5942, 5943]	6544	[8284, 8285]	9094	[9775, 4763]
1445	[2570, 2571]	3995	[5944, 5747]	6545	[4403, 3858]	9095	[1261, 3768]
1446	[2572, 2573]	3996	[5945, 5946]	6546	[8286, 3848]	9096	[9776, 9777]
1447	[2574, 1820]	3997	[5236, 5947]	6547	[8187, 7012]	9097	[8191, 7797]
1448	[2575, 2576]	3998	[5948, 2033]	6548	[8287, 1114]	9098	[9778, 9760]
1449	[2577, 2578]	3999	[5949, 5950]	6549	[8288, 8289]	9099	[7152, 9779]
1450	[2579, 2580]	4000	[5390, 5951]	6550	[8290, 1054]	9100	[1218, 3492]
1451	[2319, 938]	4001	[5632, 5952]	6551	[8291, 8292]	9101	[1222, 3131]
1452	[2581, 2582]	4002	[5953, 2675]	6552	[1486, 3242]	9102	[7584, 6944]
1453	[2583, 2584]	4003	[5954, 156]	6553	[8293, 1255]	9103	[9780, 9445]
1454	[2585, 2586]	4004	[4880, 5955]	6554	[8294, 4327]	9104	[465, 9648]

1455	[2587, 2235]	4005	[5956, 5957]	6555	[3640, 4214]	9105	[8135, 9781]
1456	[2588, 2589]	4006	[5958, 5959]	6556	[8295, 8296]	9106	[8000, 7161]
1457	[2590, 2591]	4007	[5960, 2623]	6557	[7155, 7007]	9107	[408, 9744]
1458	[2592, 1909]	4008	[1962, 5961]	6558	[3128, 4518]	9108	[7345, 4756]
1459	[2593, 2594]	4009	[5962, 5886]	6559	[8297, 8298]	9109	[9782, 6715]
1460	[2595, 2218]	4010	[5963, 671]	6560	[1270, 7294]	9110	[7168, 7520]
1461	[2596, 2597]	4011	[5964, 762]	6561	[4012, 3519]	9111	[7951, 7512]
1462	[2598, 1882]	4012	[588, 1992]	6562	[8014, 8125]	9112	[8065, 9783]
1463	[2599, 179]	4013	[1922, 2684]	6563	[7141, 3775]	9113	[9784, 7534]
1464	[2600, 2601]	4014	[5965, 5966]	6564	[3761, 411]	9114	[4550, 7071]
1465	[2551, 721]	4015	[5967, 5870]	6565	[8231, 7494]	9115	[1383, 9785]
1466	[2602, 2603]	4016	[5968, 2605]	6566	[7261, 4153]	9116	[9786, 8326]
1467	[2604, 2605]	4017	[5969, 4870]	6567	[7004, 90]	9117	[6824, 7406]
1468	[2606, 2607]	4018	[5970, 2662]	6568	[1125, 3846]	9118	[3345, 6996]
1469	[2608, 837]	4019	[5971, 719]	6569	[3912, 8299]	9119	[9787, 1209]
1470	[2609, 2610]	4020	[5972, 5973]	6570	[3985, 4160]	9120	[1597, 4779]
1471	[2611, 2612]	4021	[5974, 5975]	6571	[8300, 6942]	9121	[7820, 9788]
1472	[2613, 2614]	4022	[5701, 5976]	6572	[8301, 1529]	9122	[1446, 3558]
1473	[2236, 2615]	4023	[5977, 5336]	6573	[8302, 1277]	9123	[7507, 9719]
1474	[2139, 2616]	4024	[2635, 5031]	6574	[8303, 1752]	9124	[9789, 9790]
1475	[2617, 2510]	4025	[5978, 932]	6575	[454, 1124]	9125	[6780, 1690]
1476	[2618, 803]	4026	[2018, 5979]	6576	[3022, 7743]	9126	[9791, 9578]
1477	[2380, 2619]	4027	[5980, 5981]	6577	[1118, 4786]	9127	[9792, 3825]
1478	[2315, 2620]	4028	[5982, 5983]	6578	[8304, 4009]	9128	[9793, 9794]
1479	[2621, 2622]	4029	[5623, 168]	6579	[7227, 8190]	9129	[3601, 9795]
1480	[2623, 2624]	4030	[5984, 5985]	6580	[7523, 6958]	9130	[6964, 7767]
1481	[793, 2103]	4031	[5986, 2759]	6581	[456, 3813]	9131	[289, 7137]
1482	[2625, 2626]	4032	[1928, 5987]	6582	[8221, 8305]	9132	[4030, 9762]
1483	[2627, 2628]	4033	[5988, 621]	6583	[3737, 8306]	9133	[4172, 9796]
1484	[2629, 2630]	4034	[2863, 2006]	6584	[3326, 1490]	9134	[1463, 7953]
1485	[2526, 2631]	4035	[2817, 5989]	6585	[3060, 8281]	9135	[17, 1303]
1486	[862, 2632]	4036	[5990, 5991]	6586	[8307, 1520]	9136	[1408, 1052]
1487	[170, 2633]	4037	[2008, 5992]	6587	[3469, 6929]	9137	[9797, 9669]
1488	[2634, 2530]	4038	[5993, 5547]	6588	[7814, 8308]	9138	[9798, 4005]
1489	[2635, 2636]	4039	[5994, 5995]	6589	[7042, 7496]	9139	[3678, 1091]
1490	[2637, 2638]	4040	[5996, 2704]	6590	[3666, 453]	9140	[3447, 1444]
1491	[2639, 2640]	4041	[5997, 5998]	6591	[6935, 455]	9141	[7371, 9799]
1492	[2641, 1910]	4042	[5999, 6000]	6592	[1173, 8078]	9142	[4474, 7956]
1493	[2642, 793]	4043	[6001, 2170]	6593	[3633, 7546]	9143	[968, 1295]
1494	[792, 1912]	4044	[6002, 6003]	6594	[3075, 4396]	9144	[1303, 4358]
1495	[794, 2643]	4045	[5841, 6004]	6595	[1295, 3957]	9145	[7698, 9713]
1496	[2644, 2642]	4046	[2357, 6005]	6596	[8309, 1094]	9146	[9800, 3690]
1497	[2108, 2645]	4047	[1865, 6006]	6597	[441, 4336]	9147	[4137, 9801]
1498	[2641, 1912]	4048	[6007, 6008]	6598	[7048, 7039]	9148	[7536, 4659]

1499	[2646, 2647]	4049	[6009, 6010]	6599	[7549, 1486]	9149	[7217, 9802]
1500	[2648, 2508]	4050	[6011, 6012]	6600	[4718, 6709]	9150	[9803, 9477]
1501	[2649, 2650]	4051	[1764, 6013]	6601	[8310, 7299]	9151	[9804, 9805]
1502	[2435, 2651]	4052	[6014, 5787]	6602	[8311, 7580]	9152	[9806, 7145]
1503	[2652, 2653]	4053	[5603, 6015]	6603	[8312, 7389]	9153	[6975, 7987]
1504	[2654, 2655]	4054	[6016, 2744]	6604	[8313, 997]	9154	[7148, 3074]
1505	[2339, 2620]	4055	[6017, 6018]	6605	[1757, 4471]	9155	[9807, 4766]
1506	[1854, 2656]	4056	[4941, 6019]	6606	[7478, 4463]	9156	[3690, 8105]
1507	[838, 2206]	4057	[6020, 6021]	6607	[7328, 3438]	9157	[7714, 3998]
1508	[2657, 2658]	4058	[6022, 5722]	6608	[310, 103]	9158	[6706, 6762]
1509	[2659, 2254]	4059	[6023, 5556]	6609	[6738, 3629]	9159	[8145, 7462]
1510	[846, 2660]	4060	[6024, 5340]	6610	[1480, 7529]	9160	[9808, 9578]
1511	[2661, 2662]	4061	[6025, 4850]	6611	[7160, 4767]	9161	[1146, 7550]
1512	[2663, 2664]	4062	[2572, 2421]	6612	[4302, 8314]	9162	[4419, 7394]
1513	[2665, 2666]	4063	[6026, 5862]	6613	[7242, 8315]	9163	[9730, 6800]
1514	[2667, 2668]	4064	[5577, 6027]	6614	[8316, 417]	9164	[1005, 1171]
1515	[2669, 2585]	4065	[6028, 5441]	6615	[6804, 1419]	9165	[9809, 3451]
1516	[2670, 2671]	4066	[6029, 6030]	6616	[4610, 406]	9166	[9810, 8061]
1517	[2672, 2673]	4067	[6031, 6032]	6617	[8160, 7757]	9167	[1602, 4489]
1518	[2674, 2675]	4068	[2680, 6033]	6618	[7888, 4652]	9168	[7395, 977]
1519	[1806, 2676]	4069	[4805, 5894]	6619	[3221, 3670]	9169	[9811, 9812]
1520	[2677, 2678]	4070	[6034, 4869]	6620	[4148, 6870]	9170	[9813, 9814]
1521	[2247, 2035]	4071	[6035, 6036]	6621	[4327, 8317]	9171	[9606, 107]
1522	[2679, 2338]	4072	[2848, 6037]	6622	[4679, 8318]	9172	[9485, 9680]
1523	[2680, 2681]	4073	[6038, 6039]	6623	[489, 4007]	9173	[1135, 9815]
1524	[2033, 2682]	4074	[6040, 5938]	6624	[7540, 8319]	9174	[3660, 1251]
1525	[2683, 2684]	4075	[6041, 5337]	6625	[368, 1446]	9175	[3543, 4176]
1526	[2685, 816]	4076	[548, 833]	6626	[4097, 7954]	9176	[1410, 4077]
1527	[2686, 217]	4077	[5905, 6042]	6627	[3263, 3471]	9177	[9816, 3672]
1528	[2687, 2688]	4078	[498, 585]	6628	[3318, 990]	9178	[6751, 3567]
1529	[2689, 2490]	4079	[171, 6043]	6629	[1217, 3491]	9179	[1724, 7295]
1530	[2258, 2690]	4080	[190, 2453]	6630	[8058, 465]	9180	[4130, 1309]
1531	[2691, 2692]	4081	[530, 6044]	6631	[4581, 6917]	9181	[3306, 9817]
1532	[2693, 1986]	4082	[4809, 6045]	6632	[4739, 7181]	9182	[9745, 9669]
1533	[2694, 2695]	4083	[6046, 6047]	6633	[6945, 7566]	9183	[1553, 8019]
1534	[2696, 2697]	4084	[2919, 6048]	6634	[4761, 8027]	9184	[9818, 4405]
1535	[2698, 2699]	4085	[5644, 5125]	6635	[4503, 8033]	9185	[3476, 7450]
1536	[2700, 909]	4086	[5685, 5976]	6636	[1050, 8027]	9186	[9819, 9802]
1537	[2701, 2277]	4087	[6049, 1997]	6637	[80, 8320]	9187	[6963, 9820]
1538	[38, 2702]	4088	[6050, 1999]	6638	[8321, 7801]	9188	[6775, 9821]
1539	[2703, 573]	4089	[6051, 6052]	6639	[4579, 8322]	9189	[9432, 9822]
1540	[2704, 182]	4090	[1978, 5128]	6640	[8323, 4693]	9190	[1548, 7595]
1541	[2705, 915]	4091	[6053, 6054]	6641	[954, 1293]	9191	[7176, 7691]
1542	[12, 2706]	4092	[6055, 2717]	6642	[7441, 8324]	9192	[9823, 3638]

1543	[14, 908]	4093	[6056, 5943]	6643	[8325, 8326]	9193	[9824, 7444]
1544	[2707, 698]	4094	[5780, 6057]	6644	[7929, 7631]	9194	[3193, 9825]
1545	[2708, 2709]	4095	[6058, 4800]	6645	[8327, 7269]	9195	[6916, 4582]
1546	[2710, 2711]	4096	[5901, 5965]	6646	[4062, 4156]	9196	[7885, 8136]
1547	[2712, 2713]	4097	[6059, 6060]	6647	[4296, 6910]	9197	[7897, 8177]
1548	[597, 2714]	4098	[798, 6061]	6648	[6908, 4568]	9198	[9544, 462]
1549	[2715, 40]	4099	[6062, 6063]	6649	[8328, 130]	9199	[112, 9826]
1550	[197, 2716]	4100	[2531, 2412]	6650	[760, 8329]	9200	[7486, 3606]
1551	[2717, 2718]	4101	[6064, 2252]	6651	[2703, 652]	9201	[1082, 9827]
1552	[2719, 2720]	4102	[6065, 848]	6652	[8330, 5089]	9202	[9828, 3757]
1553	[2721, 2722]	4103	[6066, 6067]	6653	[5070, 2325]	9203	[3214, 3383]
1554	[2160, 52]	4104	[6068, 6069]	6654	[5522, 8331]	9204	[9829, 1489]
1555	[2723, 2724]	4105	[513, 6070]	6655	[8332, 8333]	9205	[4578, 8056]
1556	[2725, 2726]	4106	[5502, 5622]	6656	[2755, 5695]	9206	[8073, 3875]
1557	[1882, 2727]	4107	[639, 5360]	6657	[8334, 8335]	9207	[9830, 4029]
1558	[2728, 1849]	4108	[6071, 4810]	6658	[8336, 5877]	9208	[9792, 7260]
1559	[2729, 2730]	4109	[6072, 6073]	6659	[8337, 544]	9209	[7707, 9831]
1560	[2731, 2628]	4110	[2102, 538]	6660	[8338, 6456]	9210	[1445, 70]
1561	[2732, 2733]	4111	[853, 614]	6661	[8339, 8340]	9211	[3483, 6681]
1562	[2064, 2734]	4112	[6074, 5720]	6662	[2913, 8341]	9212	[6787, 1560]
1563	[1940, 2735]	4113	[5722, 6075]	6663	[1850, 213]	9213	[9467, 8159]
1564	[1999, 2736]	4114	[6076, 4978]	6664	[897, 1881]	9214	[6864, 797]
1565	[2737, 2585]	4115	[6077, 5653]	6665	[8335, 4961]	9215	[4618, 3756]
1566	[2738, 2739]	4116	[6078, 6079]	6666	[8342, 6443]	9216	[3778, 3164]
1567	[2740, 2741]	4117	[6080, 6081]	6667	[8343, 5283]	9217	[8056, 8322]
1568	[2742, 842]	4118	[6082, 2463]	6668	[3007, 8344]	9218	[1159, 3713]
1569	[2743, 2744]	4119	[6083, 6084]	6669	[8345, 718]	9219	[9754, 1725]
1570	[2745, 2746]	4120	[6085, 2402]	6670	[8346, 8347]	9220	[9832, 7288]
1571	[2747, 2748]	4121	[5285, 6086]	6671	[5614, 6461]	9221	[7200, 4249]
1572	[135, 2749]	4122	[6087, 5509]	6672	[8348, 4909]	9222	[3518, 1082]
1573	[2750, 2751]	4123	[5217, 2680]	6673	[1948, 5006]	9223	[4017, 3272]
1574	[2752, 2753]	4124	[6088, 551]	6674	[8349, 5526]	9224	[9770, 4192]
1575	[2129, 2754]	4125	[5356, 1975]	6675	[215, 2926]	9225	[8213, 7741]
1576	[2755, 1867]	4126	[2693, 2358]	6676	[674, 8350]	9226	[9833, 7461]
1577	[2756, 203]	4127	[6089, 5050]	6677	[8351, 8352]	9227	[1105, 3740]
1578	[2524, 2757]	4128	[6090, 5440]	6678	[5725, 2529]	9228	[9834, 7807]
1579	[2758, 2759]	4129	[37, 5954]	6679	[8353, 8354]	9229	[1470, 3502]
1580	[2760, 2359]	4130	[6091, 2360]	6680	[8355, 2092]	9230	[7948, 9835]
1581	[158, 2761]	4131	[2547, 2056]	6681	[8356, 8357]	9231	[4736, 3380]
1582	[135, 2762]	4132	[2072, 6092]	6682	[2710, 1856]	9232	[7972, 7219]
1583	[2763, 880]	4133	[2823, 6093]	6683	[512, 1761]	9233	[7976, 1072]
1584	[2055, 2764]	4134	[6094, 6095]	6684	[8358, 4955]	9234	[1469, 9836]
1585	[2765, 2766]	4135	[2163, 139]	6685	[8359, 8360]	9235	[8197, 4023]
1586	[2767, 2768]	4136	[1782, 5827]	6686	[5637, 4824]	9236	[1576, 4213]

1587	[2769, 2471]	4137	[2856, 5249]	6687	[8360, 4857]	9237	[1280, 9837]
1588	[2770, 2771]	4138	[6096, 4861]	6688	[939, 5421]	9238	[7378, 3736]
1589	[2028, 494]	4139	[182, 890]	6689	[8361, 1985]	9239	[268, 7450]
1590	[2546, 2055]	4140	[6097, 5075]	6690	[557, 1798]	9240	[9749, 7309]
1591	[2126, 2772]	4141	[6098, 5562]	6691	[8362, 5330]	9241	[313, 9558]
1592	[2773, 2774]	4142	[700, 6099]	6692	[4922, 8363]	9242	[9459, 9838]
1593	[2775, 2099]	4143	[2815, 2556]	6693	[8364, 2838]	9243	[9839, 4599]
1594	[2776, 2777]	4144	[2464, 6100]	6694	[8365, 665]	9244	[9840, 9841]
1595	[2778, 788]	4145	[2585, 4846]	6695	[8366, 2282]	9245	[7668, 1737]
1596	[2779, 2780]	4146	[6101, 2090]	6696	[905, 2027]	9246	[252, 4321]
1597	[2781, 511]	4147	[651, 6102]	6697	[8367, 8368]	9247	[6843, 9842]
1598	[2782, 813]	4148	[521, 5642]	6698	[8369, 201]	9248	[479, 9843]
1599	[33, 2783]	4149	[6103, 6104]	6699	[2541, 1813]	9249	[9844, 3769]
1600	[2784, 2785]	4150	[6105, 5270]	6700	[8370, 2699]	9250	[7140, 3774]
1601	[2786, 2787]	4151	[720, 6106]	6701	[1912, 6223]	9251	[7577, 9837]
1602	[2788, 2789]	4152	[2742, 240]	6702	[8371, 2794]	9252	[3785, 3703]
1603	[767, 2790]	4153	[6107, 5606]	6703	[8372, 8373]	9253	[1525, 9845]
1604	[2791, 2792]	4154	[5800, 5045]	6704	[2463, 4917]	9254	[6944, 9677]
1605	[2471, 195]	4155	[6108, 2347]	6705	[8374, 4899]	9255	[3046, 7431]
1606	[2793, 2794]	4156	[6109, 2655]	6706	[5284, 727]	9256	[9846, 3188]
1607	[2795, 812]	4157	[2421, 4789]	6707	[5507, 5310]	9257	[3973, 84]
1608	[2796, 2797]	4158	[912, 5560]	6708	[8375, 8376]	9258	[9847, 4363]
1609	[2798, 2799]	4159	[6110, 6111]	6709	[8377, 5784]	9259	[7775, 9848]
1610	[2800, 2801]	4160	[5832, 5732]	6710	[2173, 752]	9260	[87, 3138]
1611	[2802, 2803]	4161	[2994, 6112]	6711	[6117, 5276]	9261	[7687, 9515]
1612	[2804, 2805]	4162	[5881, 6113]	6712	[6519, 8378]	9262	[8232, 1012]
1613	[209, 2806]	4163	[6114, 6115]	6713	[8379, 5674]	9263	[9587, 3033]
1614	[2807, 207]	4164	[5408, 6116]	6714	[5266, 8380]	9264	[9460, 7310]
1615	[2808, 2809]	4165	[2647, 2843]	6715	[8381, 8382]	9265	[9849, 6769]
1616	[2810, 2811]	4166	[6117, 6118]	6716	[8383, 5949]	9266	[1220, 7307]
1617	[1853, 2812]	4167	[5520, 2201]	6717	[8384, 5117]	9267	[3519, 1083]
1618	[2813, 821]	4168	[6119, 5395]	6718	[8385, 643]	9268	[9638, 9850]
1619	[2559, 2814]	4169	[2580, 2506]	6719	[8386, 8387]	9269	[990, 1708]
1620	[2038, 2815]	4170	[6120, 220]	6720	[6516, 1961]	9270	[7901, 4202]
1621	[2816, 2817]	4171	[6121, 6015]	6721	[2240, 8388]	9271	[9738, 9448]
1622	[2818, 2651]	4172	[6122, 5130]	6722	[2090, 5872]	9272	[7815, 7122]
1623	[2819, 2820]	4173	[6123, 6124]	6723	[4962, 924]	9273	[1617, 1037]
1624	[2821, 2822]	4174	[4832, 5510]	6724	[8389, 8390]	9274	[7313, 4090]
1625	[2823, 2824]	4175	[6125, 6126]	6725	[587, 4911]	9275	[1756, 4348]
1626	[2825, 1989]	4176	[2862, 6127]	6726	[2541, 8391]	9276	[7311, 9850]
1627	[2288, 2826]	4177	[6128, 756]	6727	[2463, 8392]	9277	[4482, 3616]
1628	[2827, 2828]	4178	[6129, 2425]	6728	[2987, 8393]	9278	[3668, 7016]
1629	[831, 2829]	4179	[2795, 527]	6729	[8394, 2972]	9279	[9522, 3547]
1630	[2830, 2831]	4180	[6130, 2071]	6730	[6470, 2280]	9280	[1536, 9851]

1631	[2832, 2833]	4181	[6131, 6132]	6731	[8395, 8396]	9281	[6976, 8273]
1632	[2834, 2044]	4182	[6133, 4864]	6732	[5969, 2151]	9282	[3690, 6895]
1633	[2835, 2836]	4183	[6134, 55]	6733	[8397, 8398]	9283	[3128, 7485]
1634	[2837, 2838]	4184	[6135, 6136]	6734	[8399, 2287]	9284	[79, 4306]
1635	[2839, 2439]	4185	[6137, 2551]	6735	[8400, 8401]	9285	[9852, 8158]
1636	[2840, 758]	4186	[670, 5148]	6736	[6565, 2964]	9286	[3178, 3834]
1637	[2807, 2841]	4187	[6138, 6139]	6737	[8402, 6062]	9287	[9853, 7083]
1638	[2842, 2843]	4188	[6140, 6141]	6738	[5589, 8403]	9288	[362, 6817]
1639	[2844, 2845]	4189	[6142, 5717]	6739	[5579, 8404]	9289	[9854, 7119]
1640	[2846, 2847]	4190	[5363, 5582]	6740	[2874, 8341]	9290	[7943, 9777]
1641	[2848, 2849]	4191	[6143, 6144]	6741	[2816, 2927]	9291	[3861, 9855]
1642	[2850, 1903]	4192	[6145, 2913]	6742	[8405, 737]	9292	[9800, 4749]
1643	[2851, 2852]	4193	[5145, 1835]	6743	[228, 1794]	9293	[3597, 4234]
1644	[2853, 2854]	4194	[1777, 239]	6744	[8406, 6358]	9294	[9856, 3602]
1645	[2855, 2384]	4195	[6146, 1830]	6745	[6569, 2690]	9295	[3631, 6796]
1646	[2856, 2211]	4196	[166, 1820]	6746	[5340, 5076]	9296	[9857, 7270]
1647	[2728, 2857]	4197	[6147, 6148]	6747	[8407, 8408]	9297	[3108, 1055]
1648	[2858, 2216]	4198	[2537, 32]	6748	[8409, 8410]	9298	[9858, 4494]
1649	[2859, 2860]	4199	[6149, 6150]	6749	[8411, 8412]	9299	[1188, 7806]
1650	[2861, 2862]	4200	[6151, 689]	6750	[2632, 2979]	9300	[3393, 9558]
1651	[2863, 858]	4201	[6152, 6153]	6751	[5739, 5680]	9301	[6828, 7258]
1652	[2864, 2865]	4202	[6154, 6155]	6752	[8413, 5280]	9302	[8243, 9859]
1653	[1945, 2866]	4203	[6156, 6157]	6753	[5238, 2295]	9303	[3937, 4395]
1654	[2867, 2868]	4204	[6158, 6159]	6754	[8414, 2756]	9304	[4759, 3962]
1655	[2869, 790]	4205	[2654, 6160]	6755	[1811, 2536]	9305	[7574, 6968]
1656	[2037, 2870]	4206	[6161, 6162]	6756	[8415, 810]	9306	[3295, 8280]
1657	[2871, 2872]	4207	[2041, 5447]	6757	[4896, 8416]	9307	[7029, 3579]
1658	[2873, 2874]	4208	[6163, 6164]	6758	[8417, 8418]	9308	[9860, 4200]
1659	[2875, 2876]	4209	[6165, 6166]	6759	[6323, 5758]	9309	[4586, 8113]
1660	[2073, 2697]	4210	[5990, 6167]	6760	[5655, 8419]	9310	[1139, 3217]
1661	[2877, 1815]	4211	[4819, 6168]	6761	[607, 8420]	9311	[269, 9861]
1662	[562, 2878]	4212	[6169, 6170]	6762	[6375, 5849]	9312	[3358, 9577]
1663	[2879, 2880]	4213	[6171, 5580]	6763	[8421, 6410]	9313	[326, 4330]
1664	[2447, 2881]	4214	[6172, 150]	6764	[2670, 6005]	9314	[1638, 3475]
1665	[2882, 2302]	4215	[6173, 2098]	6765	[8422, 8423]	9315	[8302, 4267]
1666	[216, 2883]	4216	[6174, 2790]	6766	[8424, 5695]	9316	[7421, 318]
1667	[2884, 2885]	4217	[6175, 6176]	6767	[592, 2314]	9317	[4726, 7618]
1668	[2886, 2887]	4218	[2898, 2004]	6768	[6032, 8346]	9318	[4690, 9642]
1669	[2888, 2889]	4219	[6177, 2981]	6769	[930, 4972]	9319	[1401, 3697]
1670	[716, 2890]	4220	[6178, 6179]	6770	[8425, 2145]	9320	[6723, 7505]
1671	[2891, 2892]	4221	[6180, 6027]	6771	[6034, 48]	9321	[9862, 8009]
1672	[2060, 2893]	4222	[2958, 6181]	6772	[778, 1833]	9322	[1309, 7117]
1673	[2894, 2895]	4223	[2786, 2159]	6773	[8426, 8427]	9323	[1225, 4270]
1674	[2130, 2896]	4224	[6182, 598]	6774	[5146, 5309]	9324	[7727, 4372]

1675	[2897, 2898]	4225	[6183, 5415]	6775	[8428, 907]	9325	[3107, 7446]
1676	[2899, 2900]	4226	[5986, 2782]	6776	[761, 2924]	9326	[4637, 1451]
1677	[2901, 2230]	4227	[817, 2570]	6777	[8429, 6548]	9327	[9863, 7014]
1678	[2902, 2641]	4228	[6184, 5753]	6778	[2493, 6523]	9328	[6848, 3228]
1679	[2105, 2903]	4229	[6185, 2837]	6779	[8430, 2555]	9329	[3423, 9639]
1680	[1910, 208]	4230	[6186, 2795]	6780	[5298, 5359]	9330	[8311, 3803]
1681	[2904, 2905]	4231	[6187, 6188]	6781	[2939, 8431]	9331	[1134, 4076]
1682	[2906, 587]	4232	[223, 2042]	6782	[6540, 8432]	9332	[9649, 8279]
1683	[2907, 2113]	4233	[6189, 778]	6783	[6029, 6467]	9333	[3502, 3255]
1684	[2908, 2909]	4234	[943, 2478]	6784	[6316, 8432]	9334	[3408, 9851]
1685	[2774, 2910]	4235	[6160, 6190]	6785	[8433, 8434]	9335	[4355, 1543]
1686	[2911, 2912]	4236	[6174, 768]	6786	[5819, 5691]	9336	[7278, 1639]
1687	[2913, 2914]	4237	[2624, 6191]	6787	[790, 5393]	9337	[9469, 9864]
1688	[2915, 2916]	4238	[6192, 5619]	6788	[5766, 746]	9338	[3350, 4028]
1689	[2917, 814]	4239	[880, 694]	6789	[8435, 5468]	9339	[1705, 26]
1690	[2918, 2367]	4240	[2733, 145]	6790	[2357, 2671]	9340	[9865, 7970]
1691	[2919, 1938]	4241	[2922, 5171]	6791	[8436, 6093]	9341	[7595, 4279]
1692	[2920, 2921]	4242	[2653, 6060]	6792	[2325, 2643]	9342	[6989, 7526]
1693	[636, 245]	4243	[5860, 5104]	6793	[2322, 5761]	9343	[8137, 9491]
1694	[56, 2709]	4244	[6193, 6180]	6794	[8437, 8368]	9344	[8227, 9866]
1695	[2922, 1782]	4245	[6194, 5801]	6795	[6429, 5187]	9345	[9867, 9868]
1696	[2923, 709]	4246	[6195, 6196]	6796	[2059, 8438]	9346	[8293, 8152]
1697	[2924, 911]	4247	[5187, 6191]	6797	[4927, 802]	9347	[9869, 7817]
1698	[2925, 2067]	4248	[6197, 6198]	6798	[8439, 647]	9348	[9385, 9822]
1699	[2688, 2926]	4249	[6199, 5725]	6799	[5926, 552]	9349	[7521, 9764]
1700	[2927, 2928]	4250	[2226, 37]	6800	[8440, 6140]	9350	[7960, 1504]
1701	[737, 2929]	4251	[6200, 6201]	6801	[4954, 8441]	9351	[4038, 9576]
1702	[2930, 2931]	4252	[826, 6202]	6802	[8442, 1983]	9352	[4, 9687]
1703	[2932, 2933]	4253	[6203, 2313]	6803	[8443, 5423]	9353	[1053, 9870]
1704	[2934, 53]	4254	[6204, 6205]	6804	[8444, 2193]	9354	[1641, 1628]
1705	[2935, 662]	4255	[6206, 6207]	6805	[8445, 2578]	9355	[8290, 9870]
1706	[497, 584]	4256	[6208, 2240]	6806	[5265, 6150]	9356	[9871, 9872]
1707	[2936, 2937]	4257	[6209, 3010]	6807	[5001, 557]	9357	[9720, 6991]
1708	[771, 2938]	4258	[4858, 4976]	6808	[8446, 6112]	9358	[3837, 1744]
1709	[1829, 2939]	4259	[5625, 6210]	6809	[8447, 8448]	9359	[4725, 9873]
1710	[2940, 2941]	4260	[6211, 6144]	6810	[6618, 8449]	9360	[9583, 4692]
1711	[2942, 1964]	4261	[835, 6212]	6811	[5662, 2931]	9361	[9423, 3908]
1712	[2943, 2944]	4262	[6213, 4802]	6812	[8450, 8426]	9362	[6995, 7622]
1713	[2945, 2946]	4263	[6214, 6215]	6813	[6417, 896]	9363	[386, 9874]
1714	[2947, 2948]	4264	[6216, 1954]	6814	[8451, 8401]	9364	[3477, 4571]
1715	[2949, 2950]	4265	[2798, 2748]	6815	[2955, 8452]	9365	[7118, 7395]
1716	[617, 2951]	4266	[2605, 4901]	6816	[8453, 5798]	9366	[3472, 4618]
1717	[2952, 1783]	4267	[6217, 6218]	6817	[8454, 5898]	9367	[9430, 9712]
1718	[2953, 2954]	4268	[6219, 5795]	6818	[500, 5684]	9368	[7211, 1604]

1719	[2947, 846]	4269	[2595, 5156]	6819	[5581, 2657]	9369	[4072, 4649]
1720	[2955, 2956]	4270	[6220, 5779]	6820	[749, 5371]	9370	[6836, 3086]
1721	[2957, 2958]	4271	[5653, 6221]	6821	[8455, 2441]	9371	[9875, 7517]
1722	[2959, 2960]	4272	[6222, 5759]	6822	[2034, 5755]	9372	[9876, 4319]
1723	[2961, 2962]	4273	[1910, 6223]	6823	[167, 1821]	9373	[7121, 7816]
1724	[2963, 2964]	4274	[6224, 2645]	6824	[4916, 8392]	9374	[9877, 5784]
1725	[2965, 2866]	4275	[6225, 6226]	6825	[506, 5617]	9375	[8582, 6558]
1726	[2596, 2966]	4276	[5785, 6227]	6826	[8456, 6198]	9376	[5904, 5442]
1727	[2967, 2968]	4277	[6228, 6229]	6827	[5181, 5387]	9377	[8786, 4819]
1728	[2969, 2734]	4278	[5965, 5862]	6828	[590, 5094]	9378	[8511, 5951]
1729	[2741, 2970]	4279	[6230, 6231]	6829	[4913, 8331]	9379	[9878, 9163]
1730	[2971, 2972]	4280	[6232, 6233]	6830	[8457, 503]	9380	[9879, 755]
1731	[1867, 2973]	4281	[6234, 6084]	6831	[5170, 5987]	9381	[1856, 2111]
1732	[650, 2907]	4282	[6235, 5352]	6832	[650, 2112]	9382	[8949, 9880]
1733	[1805, 2974]	4283	[6236, 5804]	6833	[8458, 8373]	9383	[234, 9881]
1734	[2975, 2976]	4284	[6237, 5407]	6834	[8459, 8460]	9384	[9882, 5770]
1735	[2977, 2238]	4285	[6238, 171]	6835	[8461, 6343]	9385	[865, 9177]
1736	[2978, 2979]	4286	[6239, 780]	6836	[2215, 6440]	9386	[9883, 8818]
1737	[2980, 32]	4287	[5078, 6240]	6837	[1951, 902]	9387	[157, 9219]
1738	[2621, 2872]	4288	[6241, 223]	6838	[8462, 8463]	9388	[9884, 5975]
1739	[2981, 1769]	4289	[673, 6242]	6839	[8464, 4885]	9389	[5993, 8638]
1740	[2982, 940]	4290	[6243, 2923]	6840	[5007, 8465]	9390	[6175, 2789]
1741	[2983, 2984]	4291	[5200, 1835]	6841	[8466, 2172]	9391	[1891, 9075]
1742	[2985, 2986]	4292	[605, 2845]	6842	[8467, 8468]	9392	[9885, 6516]
1743	[2987, 2976]	4293	[5318, 6244]	6843	[8469, 8470]	9393	[8929, 9220]
1744	[2988, 2989]	4294	[6245, 2640]	6844	[4875, 8471]	9394	[9886, 2868]
1745	[2990, 2991]	4295	[6246, 5733]	6845	[5380, 8472]	9395	[8436, 2824]
1746	[2992, 2993]	4296	[4827, 4924]	6846	[2485, 8423]	9396	[9887, 5876]
1747	[2356, 2670]	4297	[6247, 6248]	6847	[8473, 4994]	9397	[8886, 8935]
1748	[1933, 2567]	4298	[6249, 6250]	6848	[4947, 8335]	9398	[9888, 9889]
1749	[2994, 2995]	4299	[5165, 6251]	6849	[8474, 6105]	9399	[6120, 665]
1750	[2996, 2997]	4300	[2294, 5239]	6850	[8475, 8412]	9400	[9890, 8396]
1751	[2998, 2999]	4301	[6252, 6253]	6851	[2566, 1934]	9401	[9891, 9344]
1752	[2158, 2073]	4302	[6254, 2680]	6852	[8476, 2695]	9402	[5980, 9261]
1753	[3000, 3001]	4303	[1894, 656]	6853	[5684, 2210]	9403	[5720, 9892]
1754	[8, 3002]	4304	[2301, 6255]	6854	[8477, 5784]	9404	[9893, 2365]
1755	[3003, 3004]	4305	[6256, 6257]	6855	[8478, 2477]	9405	[5407, 6062]
1756	[3005, 3006]	4306	[6258, 6259]	6856	[2362, 8479]	9406	[8358, 8441]
1757	[3007, 748]	4307	[2582, 601]	6857	[8480, 8387]	9407	[5791, 4825]
1758	[3008, 1962]	4308	[6260, 6261]	6858	[1960, 6517]	9408	[2338, 8360]
1759	[3009, 3010]	4309	[6262, 6263]	6859	[5093, 807]	9409	[5178, 4887]
1760	[3011, 1652]	4310	[4845, 2586]	6860	[2001, 782]	9410	[9894, 9131]
1761	[3012, 3013]	4311	[4876, 5645]	6861	[2109, 8481]	9411	[5659, 2362]
1762	[3014, 3015]	4312	[6264, 2278]	6862	[2371, 8482]	9412	[6463, 5215]

1763	[3016, 3017]	4313	[5532, 2468]	6863	[8483, 6272]	9413	[9895, 8419]
1764	[3018, 3019]	4314	[5376, 6265]	6864	[5679, 5740]	9414	[9896, 9897]
1765	[3020, 3021]	4315	[6266, 5501]	6865	[8484, 2600]	9415	[9898, 8333]
1766	[3022, 68]	4316	[6267, 6268]	6866	[8485, 8486]	9416	[2273, 9899]
1767	[3023, 3024]	4317	[6269, 929]	6867	[8487, 8488]	9417	[2556, 558]
1768	[3025, 3026]	4318	[2309, 6270]	6868	[8489, 8490]	9418	[830, 6578]
1769	[3027, 3028]	4319	[6271, 6272]	6869	[8491, 2110]	9419	[9900, 9094]
1770	[1426, 3029]	4320	[5893, 4806]	6870	[523, 801]	9420	[5675, 5677]
1771	[3030, 3031]	4321	[2835, 6273]	6871	[4800, 8492]	9421	[9901, 6178]
1772	[3032, 3033]	4322	[6274, 6275]	6872	[787, 8493]	9422	[4874, 1913]
1773	[384, 3034]	4323	[6276, 2482]	6873	[6284, 5351]	9423	[8491, 8481]
1774	[3035, 3036]	4324	[5553, 5889]	6874	[8494, 5091]	9424	[9902, 6063]
1775	[3037, 3038]	4325	[2806, 2102]	6875	[4830, 8495]	9425	[5273, 6563]
1776	[3039, 3040]	4326	[6277, 2836]	6876	[5797, 8496]	9426	[9903, 8871]
1777	[3041, 3042]	4327	[6032, 621]	6877	[2814, 8485]	9427	[6305, 6575]
1778	[1140, 3043]	4328	[2738, 6278]	6878	[2665, 6141]	9428	[5291, 8919]
1779	[3044, 3045]	4329	[6279, 6280]	6879	[8497, 8498]	9429	[2266, 6395]
1780	[3046, 3047]	4330	[6281, 2601]	6880	[8442, 8499]	9430	[2403, 2590]
1781	[3048, 3049]	4331	[5141, 5973]	6881	[8500, 645]	9431	[8599, 586]
1782	[3050, 3051]	4332	[6282, 6283]	6882	[5296, 8501]	9432	[5468, 5126]
1783	[3052, 469]	4333	[5863, 2305]	6883	[6182, 2714]	9433	[9904, 5105]
1784	[3053, 3054]	4334	[6284, 2519]	6884	[1825, 8502]	9434	[9905, 9356]
1785	[3055, 3056]	4335	[6285, 2120]	6885	[8503, 8504]	9435	[9906, 8939]
1786	[3057, 3058]	4336	[2103, 539]	6886	[2771, 5565]	9436	[6392, 9907]
1787	[3059, 3060]	4337	[5139, 2598]	6887	[1801, 8505]	9437	[4958, 5306]
1788	[3061, 3062]	4338	[4796, 2639]	6888	[8506, 6513]	9438	[5129, 6596]
1789	[3063, 3064]	4339	[2645, 2107]	6889	[8507, 8508]	9439	[4854, 9151]
1790	[3065, 3066]	4340	[5476, 2647]	6890	[8509, 868]	9440	[741, 6226]
1791	[3067, 3068]	4341	[6245, 5199]	6891	[8510, 5311]	9441	[8812, 9256]
1792	[3069, 3070]	4342	[900, 2105]	6892	[8511, 5391]	9442	[5657, 5741]
1793	[3071, 3072]	4343	[6286, 6004]	6893	[8512, 5761]	9443	[8426, 9908]
1794	[3073, 3074]	4344	[6287, 6288]	6894	[6625, 211]	9444	[5988, 8346]
1795	[3075, 3076]	4345	[6289, 6290]	6895	[5611, 8513]	9445	[2620, 8342]
1796	[3077, 3078]	4346	[6291, 6292]	6896	[8514, 8515]	9446	[9909, 8820]
1797	[3079, 3080]	4347	[653, 6293]	6897	[8516, 2941]	9447	[9910, 9911]
1798	[3081, 3082]	4348	[6177, 579]	6898	[8365, 220]	9448	[9912, 6231]
1799	[308, 3083]	4349	[2213, 2388]	6899	[5035, 8517]	9449	[679, 6001]
1800	[3084, 3085]	4350	[6294, 6295]	6900	[5742, 5481]	9450	[534, 9913]
1801	[3086, 3087]	4351	[2687, 215]	6901	[8518, 5087]	9451	[9914, 9915]
1802	[3088, 3089]	4352	[6296, 4907]	6902	[8519, 8329]	9452	[9916, 6017]
1803	[3090, 1381]	4353	[5005, 1949]	6903	[740, 6225]	9453	[822, 2017]
1804	[3091, 3092]	4354	[6297, 2722]	6904	[1920, 8520]	9454	[9917, 6474]
1805	[3093, 3094]	4355	[6146, 594]	6905	[8521, 2397]	9455	[9091, 5389]
1806	[3095, 3096]	4356	[5482, 2229]	6906	[5721, 8522]	9456	[9918, 9149]

1807	[3097, 3098]	4357	[5045, 5820]	6907	[8523, 8524]	9457	[2871, 2622]
1808	[3099, 3100]	4358	[2349, 158]	6908	[946, 6431]	9458	[6648, 2823]
1809	[1728, 3101]	4359	[38, 156]	6909	[8525, 8526]	9459	[8334, 4948]
1810	[3102, 3103]	4360	[2392, 570]	6910	[8527, 2179]	9460	[6613, 6434]
1811	[3104, 3105]	4361	[750, 6298]	6911	[8528, 1877]	9461	[6378, 5887]
1812	[1571, 3106]	4362	[6299, 6300]	6912	[8529, 5420]	9462	[524, 6132]
1813	[436, 3107]	4363	[6301, 5059]	6913	[8530, 8531]	9463	[8859, 2372]
1814	[3108, 470]	4364	[6201, 2380]	6914	[6503, 8532]	9464	[6447, 9919]
1815	[3109, 116]	4365	[6302, 6303]	6915	[5768, 5338]	9465	[6545, 9027]
1816	[3110, 3111]	4366	[6304, 6305]	6916	[6539, 8533]	9466	[5351, 2520]
1817	[3112, 3113]	4367	[6306, 5113]	6917	[8534, 770]	9467	[5004, 5878]
1818	[3114, 3115]	4368	[6307, 2704]	6918	[8535, 8536]	9468	[6202, 8601]
1819	[3116, 3117]	4369	[6308, 6309]	6919	[8537, 5028]	9469	[9280, 6579]
1820	[3118, 3119]	4370	[6310, 6311]	6920	[8538, 5303]	9470	[9920, 9921]
1821	[3120, 3121]	4371	[6312, 6313]	6921	[8539, 6399]	9471	[5137, 9922]
1822	[3122, 3123]	4372	[6314, 2889]	6922	[8540, 4990]	9472	[5149, 759]
1823	[3124, 480]	4373	[5848, 6315]	6923	[8541, 8542]	9473	[5779, 4939]
1824	[3125, 1484]	4374	[6316, 6317]	6924	[8543, 2249]	9474	[1886, 6099]
1825	[1165, 3126]	4375	[6318, 576]	6925	[6488, 6170]	9475	[8456, 9372]
1826	[3127, 3128]	4376	[6319, 5260]	6926	[5241, 8544]	9476	[6050, 6396]
1827	[3129, 3130]	4377	[6320, 6321]	6927	[8545, 5192]	9477	[9923, 4825]
1828	[409, 3131]	4378	[6322, 2862]	6928	[6125, 8546]	9478	[6370, 9924]
1829	[3132, 1686]	4379	[6323, 5327]	6929	[8547, 8548]	9479	[8553, 4949]
1830	[3133, 3134]	4380	[2306, 5362]	6930	[2275, 5992]	9480	[5749, 6621]
1831	[1138, 3106]	4381	[6324, 6325]	6931	[8549, 2558]	9481	[9925, 4975]
1832	[3135, 3136]	4382	[4789, 1891]	6932	[8550, 1853]	9482	[9926, 9280]
1833	[3137, 3138]	4383	[6326, 5634]	6933	[8551, 6309]	9483	[5718, 5289]
1834	[1667, 3139]	4384	[881, 5257]	6934	[8552, 572]	9484	[9927, 856]
1835	[3140, 3141]	4385	[2058, 6327]	6935	[5442, 879]	9485	[8983, 8997]
1836	[3142, 3143]	4386	[6328, 6329]	6936	[8553, 2732]	9486	[9928, 8989]
1837	[1581, 3144]	4387	[6095, 6330]	6937	[8554, 2553]	9487	[2661, 8896]
1838	[3145, 3146]	4388	[2978, 5099]	6938	[8555, 5860]	9488	[9929, 4843]
1839	[3147, 3148]	4389	[846, 6331]	6939	[1858, 5397]	9489	[8514, 2944]
1840	[3149, 3150]	4390	[6332, 6333]	6940	[8556, 5268]	9490	[6368, 8821]
1841	[3151, 3152]	4391	[6334, 6215]	6941	[1812, 8391]	9491	[9930, 5918]
1842	[3153, 3154]	4392	[6335, 5868]	6942	[8557, 537]	9492	[9931, 6010]
1843	[3155, 3156]	4393	[6336, 725]	6943	[8558, 8559]	9493	[5485, 2859]
1844	[3157, 3158]	4394	[2061, 5189]	6944	[8446, 2995]	9494	[9932, 6552]
1845	[3159, 3160]	4395	[4790, 5038]	6945	[5295, 8560]	9495	[6624, 6371]
1846	[3161, 3162]	4396	[6337, 2046]	6946	[6602, 8561]	9496	[9933, 5984]
1847	[3163, 1491]	4397	[4909, 6048]	6947	[8562, 8563]	9497	[9934, 6527]
1848	[29, 3164]	4398	[6338, 2966]	6948	[2818, 2436]	9498	[6366, 9935]
1849	[3165, 3166]	4399	[6339, 6340]	6949	[2606, 5949]	9499	[9936, 9937]
1850	[3167, 3168]	4400	[6341, 163]	6950	[494, 6329]	9500	[5639, 6394]

1851	[3169, 3170]	4401	[6342, 6343]	6951	[8564, 5193]	9501	[5763, 2275]
1852	[3171, 401]	4402	[6344, 6345]	6952	[4895, 5676]	9502	[9938, 2614]
1853	[3172, 3173]	4403	[5668, 6346]	6953	[6028, 5904]	9503	[9939, 9940]
1854	[1170, 1506]	4404	[6347, 658]	6954	[8565, 4844]	9504	[2443, 2344]
1855	[3174, 3175]	4405	[6348, 5724]	6955	[5485, 5749]	9505	[891, 2545]
1856	[3176, 425]	4406	[2383, 1784]	6956	[8566, 5492]	9506	[2318, 8597]
1857	[1064, 3177]	4407	[6349, 5929]	6957	[8567, 204]	9507	[8741, 2539]
1858	[3178, 3179]	4408	[2812, 2656]	6958	[8568, 8544]	9508	[6397, 9907]
1859	[3180, 3181]	4409	[6350, 937]	6959	[6380, 6327]	9509	[8770, 5979]
1860	[3182, 3183]	4410	[4851, 1819]	6960	[8569, 4808]	9510	[2490, 2798]
1861	[3184, 3185]	4411	[6033, 6351]	6961	[6324, 8570]	9511	[9941, 5132]
1862	[3186, 3187]	4412	[2813, 4933]	6962	[6413, 5505]	9512	[8554, 9942]
1863	[3188, 1133]	4413	[6352, 6353]	6963	[5574, 5506]	9513	[2691, 9943]
1864	[3189, 3190]	4414	[1959, 2027]	6964	[2934, 5927]	9514	[9944, 9921]
1865	[3191, 3192]	4415	[2623, 5187]	6965	[8571, 8572]	9515	[8997, 2385]
1866	[3193, 3194]	4416	[6354, 5426]	6966	[2142, 4832]	9516	[6543, 2852]
1867	[3195, 3196]	4417	[4999, 6033]	6967	[5896, 6512]	9517	[8927, 9003]
1868	[3197, 3062]	4418	[48, 2945]	6968	[8573, 2556]	9518	[5141, 6411]
1869	[3198, 3199]	4419	[6355, 6356]	6969	[2734, 2934]	9519	[4891, 9880]
1870	[3200, 3201]	4420	[6357, 6358]	6970	[8574, 2167]	9520	[5009, 9945]
1871	[3202, 3203]	4421	[221, 2015]	6971	[8575, 8576]	9521	[9946, 8748]
1872	[3204, 105]	4422	[4793, 5484]	6972	[2442, 8577]	9522	[139, 875]
1873	[3205, 3206]	4423	[5434, 128]	6973	[8578, 2870]	9523	[6423, 9211]
1874	[315, 3207]	4424	[6359, 5797]	6974	[875, 8579]	9524	[8660, 9947]
1875	[3208, 3209]	4425	[6360, 6042]	6975	[6277, 6273]	9525	[9948, 9949]
1876	[1329, 3210]	4426	[6048, 1939]	6976	[763, 61]	9526	[9950, 9331]
1877	[3211, 3212]	4427	[2263, 6361]	6977	[8580, 8581]	9527	[2242, 8953]
1878	[3213, 3214]	4428	[2719, 6362]	6978	[5583, 8582]	9528	[9951, 6253]
1879	[3215, 3216]	4429	[6135, 5118]	6979	[8583, 8584]	9529	[187, 8963]
1880	[3217, 3043]	4430	[6363, 711]	6980	[8585, 8586]	9530	[6453, 2683]
1881	[3218, 3219]	4431	[910, 853]	6981	[8587, 8588]	9531	[8835, 8724]
1882	[3220, 3221]	4432	[2116, 5499]	6982	[842, 241]	9532	[154, 2582]
1883	[1481, 3222]	4433	[5305, 4959]	6983	[2420, 586]	9533	[6436, 6021]
1884	[3223, 3224]	4434	[2874, 2914]	6984	[2943, 8515]	9534	[780, 5253]
1885	[3225, 3226]	4435	[6364, 2720]	6985	[6223, 209]	9535	[8443, 9170]
1886	[3227, 3228]	4436	[2771, 2997]	6986	[2199, 8589]	9536	[9952, 9343]
1887	[3229, 3230]	4437	[1968, 5930]	6987	[5052, 6235]	9537	[2616, 1899]
1888	[3231, 3232]	4438	[6365, 5121]	6988	[8590, 2780]	9538	[9953, 9157]
1889	[298, 3233]	4439	[6366, 5024]	6989	[5964, 2924]	9539	[9064, 9124]
1890	[3234, 3235]	4440	[6367, 5632]	6990	[742, 6549]	9540	[8649, 9954]
1891	[3236, 3237]	4441	[2972, 6368]	6991	[8591, 5576]	9541	[54, 9955]
1892	[3238, 3239]	4442	[6369, 6370]	6992	[2659, 8592]	9542	[663, 2011]
1893	[3240, 3241]	4443	[2629, 6371]	6993	[8593, 8594]	9543	[9956, 692]
1894	[3242, 3243]	4444	[6372, 2574]	6994	[5367, 2335]	9544	[595, 5878]

1895	[3244, 3245]	4445	[6373, 5668]	6995	[8595, 8517]	9545	[9957, 5901]
1896	[1129, 3246]	4446	[604, 6374]	6996	[8596, 6041]	9546	[5984, 695]
1897	[3247, 3248]	4447	[2864, 5688]	6997	[4848, 5143]	9547	[8990, 9958]
1898	[3249, 3250]	4448	[6186, 526]	6998	[8597, 938]	9548	[5283, 9959]
1899	[3251, 3252]	4449	[5327, 6375]	6999	[8598, 2795]	9549	[9311, 9340]
1900	[1628, 3253]	4450	[5953, 6376]	7000	[5548, 2470]	9550	[9179, 5053]
1901	[1700, 3254]	4451	[2926, 5484]	7001	[5431, 8513]	9551	[9893, 9960]
1902	[3255, 3256]	4452	[5192, 2706]	7002	[8599, 2906]	9552	[1999, 9294]
1903	[3257, 3258]	4453	[2732, 144]	7003	[5878, 5726]	9553	[5627, 9347]
1904	[3259, 3260]	4454	[2814, 5056]	7004	[2744, 2388]	9554	[2260, 9961]
1905	[3261, 3262]	4455	[2960, 6377]	7005	[895, 6418]	9555	[9962, 8468]
1906	[3263, 3264]	4456	[5689, 5959]	7006	[8600, 2119]	9556	[9963, 4988]
1907	[3265, 3047]	4457	[6378, 2626]	7007	[827, 8601]	9557	[9964, 9077]
1908	[1369, 3266]	4458	[2255, 6379]	7008	[592, 8602]	9558	[8705, 11]
1909	[3267, 3268]	4459	[6380, 2059]	7009	[8603, 5161]	9559	[6260, 8766]
1910	[1492, 3269]	4460	[2681, 6351]	7010	[5493, 6295]	9560	[5011, 9244]
1911	[3270, 1156]	4461	[6381, 6382]	7011	[4926, 923]	9561	[9965, 8520]
1912	[3271, 411]	4462	[6383, 1965]	7012	[8604, 5855]	9562	[6465, 2505]
1913	[3272, 3273]	4463	[6384, 6385]	7013	[1924, 2008]	9563	[196, 920]
1914	[3274, 3275]	4464	[6386, 191]	7014	[6156, 2053]	9564	[2539, 2016]
1915	[1495, 315]	4465	[6247, 5736]	7015	[8605, 5625]	9565	[9966, 9103]
1916	[3276, 3277]	4466	[6387, 6388]	7016	[6149, 5266]	9566	[2378, 5166]
1917	[953, 3278]	4467	[4966, 5648]	7017	[5584, 6558]	9567	[2821, 8726]
1918	[3279, 3280]	4468	[6389, 6390]	7018	[5735, 6248]	9568	[4911, 5490]
1919	[1047, 3281]	4469	[5888, 5554]	7019	[2809, 5815]	9569	[2114, 8863]
1920	[1161, 492]	4470	[6391, 888]	7020	[648, 2398]	9570	[6297, 8787]
1921	[3282, 3283]	4471	[3006, 5748]	7021	[2610, 6136]	9571	[9967, 1907]
1922	[1731, 3284]	4472	[5510, 6044]	7022	[5404, 2686]	9572	[9968, 5256]
1923	[3285, 3286]	4473	[6063, 6011]	7023	[6515, 2547]	9573	[5731, 5833]
1924	[3287, 3288]	4474	[6392, 6393]	7024	[8606, 5316]	9574	[9365, 9922]
1925	[3289, 3290]	4475	[6394, 6395]	7025	[8607, 33]	9575	[8825, 5693]
1926	[3291, 3292]	4476	[6238, 2633]	7026	[8608, 8609]	9576	[5992, 9969]
1927	[3293, 3294]	4477	[6396, 2736]	7027	[5563, 2087]	9577	[2121, 2591]
1928	[3295, 3060]	4478	[6397, 6393]	7028	[8610, 5202]	9578	[9140, 763]
1929	[3296, 3297]	4479	[2930, 5663]	7029	[6227, 2761]	9579	[5095, 9970]
1930	[3298, 3299]	4480	[6398, 6399]	7030	[8611, 5777]	9580	[8626, 8546]
1931	[3300, 3301]	4481	[6400, 2046]	7031	[8612, 8613]	9581	[9971, 9892]
1932	[3302, 3303]	4482	[6401, 182]	7032	[8614, 519]	9582	[6214, 9038]
1933	[3304, 3305]	4483	[6402, 6403]	7033	[8615, 8616]	9583	[2877, 2195]
1934	[3306, 3307]	4484	[5473, 6404]	7034	[8617, 2062]	9584	[9972, 8842]
1935	[1179, 3308]	4485	[195, 6405]	7035	[5144, 8618]	9585	[8763, 9368]
1936	[3309, 3310]	4486	[5746, 5994]	7036	[8619, 8620]	9586	[5231, 9282]
1937	[3243, 3311]	4487	[6406, 6179]	7037	[8621, 8440]	9587	[2079, 4812]
1938	[3312, 3313]	4488	[5936, 2615]	7038	[2304, 2245]	9588	[581, 505]

1939	[3314, 3315]	4489	[2787, 51]	7039	[8622, 871]	9589	[2066, 9328]
1940	[3316, 1317]	4490	[6407, 6408]	7040	[8623, 6552]	9590	[9973, 9289]
1941	[3041, 1397]	4491	[5869, 2448]	7041	[8624, 5780]	9591	[9974, 8498]
1942	[3107, 3317]	4492	[6409, 6410]	7042	[8625, 8626]	9592	[2950, 702]
1943	[3318, 3319]	4493	[5055, 6288]	7043	[8627, 2184]	9593	[8545, 12]
1944	[3170, 3320]	4494	[5972, 6411]	7044	[4912, 56]	9594	[5117, 5909]
1945	[3321, 3322]	4495	[6412, 1879]	7045	[8628, 5601]	9595	[9975, 2472]
1946	[3323, 1245]	4496	[6413, 743]	7046	[2657, 8629]	9596	[127, 5037]
1947	[3324, 3325]	4497	[2625, 5887]	7047	[6327, 8438]	9597	[6588, 6139]
1948	[3326, 3327]	4498	[6414, 6415]	7048	[2048, 8522]	9598	[1897, 8653]
1949	[3328, 1484]	4499	[6416, 852]	7049	[8630, 4815]	9599	[9976, 5142]
1950	[1409, 1235]	4500	[2921, 759]	7050	[5967, 46]	9600	[5907, 2355]
1951	[3329, 3330]	4501	[2777, 2996]	7051	[4927, 2618]	9601	[2189, 933]
1952	[3331, 3332]	4502	[6417, 6418]	7052	[8631, 1967]	9602	[6171, 8404]
1953	[3333, 3334]	4503	[6419, 2534]	7053	[786, 6597]	9603	[1935, 6092]
1954	[3335, 3148]	4504	[51, 5416]	7054	[8632, 6229]	9604	[2839, 8753]
1955	[1338, 280]	4505	[6420, 6140]	7055	[8633, 5241]	9605	[5511, 2205]
1956	[3336, 3337]	4506	[6421, 6422]	7056	[8634, 5142]	9606	[5737, 9062]
1957	[3338, 3339]	4507	[6423, 5867]	7057	[8635, 8636]	9607	[8891, 9184]
1958	[3340, 3341]	4508	[5400, 5515]	7058	[5496, 8637]	9608	[9977, 8795]
1959	[3199, 3342]	4509	[5640, 249]	7059	[5072, 2108]	9609	[9978, 9203]
1960	[3343, 3263]	4510	[6424, 5495]	7060	[5761, 5571]	9610	[8421, 8732]
1961	[3344, 3345]	4511	[2369, 5251]	7061	[496, 4925]	9611	[9979, 9343]
1962	[3346, 3347]	4512	[5271, 143]	7062	[5546, 8638]	9612	[5060, 9943]
1963	[3348, 3349]	4513	[5985, 696]	7063	[6262, 2753]	9613	[9980, 9981]
1964	[3350, 3351]	4514	[4839, 5094]	7064	[223, 5447]	9614	[43, 6233]
1965	[3352, 332]	4515	[6425, 4892]	7065	[5410, 6216]	9615	[9982, 2465]
1966	[3353, 1329]	4516	[5108, 521]	7066	[848, 6154]	9616	[8912, 9154]
1967	[1392, 3354]	4517	[6426, 5382]	7067	[2414, 8639]	9617	[8690, 9919]
1968	[3355, 441]	4518	[2655, 6190]	7068	[141, 8429]	9618	[9983, 9112]
1969	[3356, 3357]	4519	[2711, 2111]	7069	[2309, 6405]	9619	[2364, 9960]
1970	[3358, 3126]	4520	[2086, 2846]	7070	[8640, 2497]	9620	[9146, 9984]
1971	[3359, 3360]	4521	[6427, 5214]	7071	[8641, 2831]	9621	[6150, 8380]
1972	[3361, 3362]	4522	[5048, 5700]	7072	[5439, 6335]	9622	[2914, 5102]
1973	[304, 3363]	4523	[5635, 49]	7073	[8642, 6154]	9623	[9331, 9298]
1974	[3364, 1093]	4524	[6428, 5367]	7074	[5695, 1868]	9624	[8758, 9367]
1975	[3365, 3366]	4525	[6429, 2624]	7075	[8643, 5809]	9625	[9985, 9897]
1976	[1145, 3367]	4526	[6430, 6431]	7076	[8644, 5853]	9626	[5168, 5221]
1977	[3368, 1597]	4527	[6432, 5818]	7077	[6338, 2597]	9627	[8626, 6126]
1978	[3369, 3370]	4528	[6433, 6434]	7078	[5080, 1885]	9628	[6623, 5983]
1979	[3371, 3372]	4529	[6435, 6303]	7079	[8645, 1873]	9629	[755, 2185]
1980	[3373, 262]	4530	[6436, 6437]	7080	[6138, 6589]	9630	[9986, 6581]
1981	[3374, 3375]	4531	[6438, 5460]	7081	[513, 8646]	9631	[162, 9987]
1982	[3376, 3377]	4532	[6439, 2803]	7082	[8647, 8648]	9632	[9988, 9989]

1983	[3378, 3379]	4533	[2858, 6440]	7083	[8649, 8650]	9633	[4933, 2572]
1984	[3380, 3381]	4534	[206, 2841]	7084	[8651, 853]	9634	[9990, 1853]
1985	[3382, 3383]	4535	[6441, 5471]	7085	[6121, 5604]	9635	[9978, 9924]
1986	[3256, 109]	4536	[6442, 6443]	7086	[2188, 932]	9636	[5497, 5640]
1987	[3384, 3385]	4537	[6444, 5250]	7087	[8652, 8653]	9637	[9991, 5843]
1988	[957, 3386]	4538	[6445, 6239]	7088	[6401, 889]	9638	[1767, 8966]
1989	[3387, 3388]	4539	[911, 2899]	7089	[6278, 8654]	9639	[8824, 6603]
1990	[3389, 3390]	4540	[6446, 6447]	7090	[1916, 8655]	9640	[2618, 8702]
1991	[3391, 3392]	4541	[4982, 6448]	7091	[8496, 130]	9641	[2777, 2771]
1992	[3393, 3394]	4542	[6449, 5434]	7092	[8656, 2927]	9642	[9992, 9040]
1993	[1128, 3395]	4543	[6450, 5603]	7093	[8657, 1893]	9643	[8562, 9993]
1994	[3396, 3397]	4544	[6451, 6311]	7094	[6459, 6305]	9644	[9994, 2854]
1995	[3398, 3399]	4545	[2806, 793]	7095	[589, 1993]	9645	[8512, 2323]
1996	[397, 1718]	4546	[6452, 2902]	7096	[151, 2494]	9646	[5105, 8990]
1997	[3400, 3401]	4547	[4852, 935]	7097	[8658, 4909]	9647	[9995, 9033]
1998	[3402, 3403]	4548	[6453, 1922]	7098	[8659, 5603]	9648	[9996, 6205]
1999	[3404, 3405]	4549	[6454, 5965]	7099	[843, 6255]	9649	[625, 6448]
2000	[3406, 1475]	4550	[2886, 5074]	7100	[8660, 8661]	9650	[9997, 8814]
2001	[343, 3407]	4551	[5341, 5313]	7101	[6617, 4834]	9651	[2734, 6476]
2002	[3408, 1537]	4552	[6455, 6456]	7102	[2373, 2138]	9652	[2348, 5785]
2003	[3409, 3410]	4553	[2137, 2374]	7103	[2560, 5056]	9653	[9998, 9999]
2004	[1022, 1499]	4554	[6457, 1779]	7104	[8662, 6164]	9654	[9368, 6459]
2005	[3411, 3412]	4555	[5399, 6202]	7105	[6345, 6639]	9655	[6532, 682]
2006	[3413, 3414]	4556	[5110, 6458]	7106	[2704, 889]	9656	[10000, 8442]
2007	[3415, 3416]	4557	[6459, 6460]	7107	[8663, 6111]	9657	[10001, 5413]
2008	[3417, 3418]	4558	[2538, 2076]	7108	[6195, 8664]	9658	[10002, 5466]
2009	[3288, 471]	4559	[6461, 6462]	7109	[8360, 6635]	9659	[10003, 5702]
2010	[3419, 3420]	4560	[6463, 810]	7110	[8665, 5536]	9660	[2838, 2485]
2011	[3421, 3422]	4561	[6464, 5671]	7111	[4867, 6361]	9661	[10004, 10005]
2012	[3423, 3424]	4562	[6350, 5932]	7112	[243, 8666]	9662	[10006, 2191]
2013	[3425, 3296]	4563	[6465, 2580]	7113	[2081, 8667]	9663	[10007, 8960]
2014	[1344, 3426]	4564	[6466, 6467]	7114	[8668, 4891]	9664	[10008, 6039]
2015	[434, 3427]	4565	[5516, 4873]	7115	[8669, 4931]	9665	[8683, 4881]
2016	[3428, 17]	4566	[6468, 2541]	7116	[8670, 6353]	9666	[10009, 42]
2017	[3429, 3430]	4567	[6469, 2276]	7117	[8671, 6032]	9667	[2685, 5649]
2018	[3328, 3431]	4568	[6470, 5925]	7118	[8672, 6061]	9668	[8374, 10010]
2019	[3432, 3433]	4569	[6431, 6471]	7119	[8673, 5040]	9669	[6165, 9165]
2020	[3434, 3435]	4570	[4934, 6472]	7120	[8516, 8674]	9670	[6553, 655]
2021	[3436, 3437]	4571	[6473, 6474]	7121	[845, 2948]	9671	[8591, 9217]
2022	[3438, 3439]	4572	[6475, 6458]	7122	[8675, 6214]	9672	[2851, 6544]
2023	[3440, 3441]	4573	[6476, 5927]	7123	[8672, 799]	9673	[5436, 9163]
2024	[3442, 1734]	4574	[6477, 6478]	7124	[2780, 5807]	9674	[6322, 5011]
2025	[3443, 3444]	4575	[2084, 3001]	7125	[8676, 1870]	9675	[10011, 10012]
2026	[3445, 3446]	4576	[2760, 2270]	7126	[8586, 6321]	9676	[494, 9358]

2027	[3447, 3448]	4577	[6479, 6480]	7127	[4837, 2988]	9677	[5672, 8952]
2028	[3342, 3273]	4578	[738, 5234]	7128	[2253, 8592]	9678	[2570, 9109]
2029	[3449, 3450]	4579	[6481, 5450]	7129	[8677, 2754]	9679	[2715, 9043]
2030	[3451, 3452]	4580	[2983, 5947]	7130	[5987, 2893]	9680	[10013, 4839]
2031	[3453, 478]	4581	[2593, 2030]	7131	[8678, 8679]	9681	[5997, 5063]
2032	[3454, 3102]	4582	[6482, 2954]	7132	[2334, 5368]	9682	[10014, 8851]
2033	[3455, 3456]	4583	[6483, 2293]	7133	[8680, 2946]	9683	[10015, 6069]
2034	[3457, 3458]	4584	[613, 854]	7134	[8681, 8682]	9684	[2211, 5457]
2035	[3459, 3460]	4585	[6484, 5291]	7135	[8683, 5955]	9685	[8625, 6125]
2036	[3461, 3462]	4586	[5294, 2154]	7136	[5365, 5211]	9686	[8346, 622]
2037	[1486, 3048]	4587	[6485, 6088]	7137	[8684, 2353]	9687	[10016, 9937]
2038	[3463, 3464]	4588	[6486, 6487]	7138	[8685, 226]	9688	[2323, 5762]
2039	[3465, 3466]	4589	[6488, 6489]	7139	[6610, 2812]	9689	[6072, 2428]
2040	[3467, 3468]	4590	[6490, 6181]	7140	[6169, 6489]	9690	[10017, 4981]
2041	[3469, 3470]	4591	[1917, 6491]	7141	[5903, 5441]	9691	[9224, 9139]
2042	[438, 3471]	4592	[6492, 2653]	7142	[8686, 5857]	9692	[10018, 1937]
2043	[3472, 1215]	4593	[1847, 6374]	7143	[2591, 6360]	9693	[10019, 556]
2044	[3473, 3474]	4594	[6433, 6493]	7144	[4986, 654]	9694	[6555, 10020]
2045	[1001, 3475]	4595	[6494, 553]	7145	[8687, 8688]	9695	[8687, 10021]
2046	[3476, 269]	4596	[2233, 5210]	7146	[6013, 236]	9696	[5083, 6564]
2047	[3477, 3478]	4597	[6495, 5957]	7147	[47, 4869]	9697	[153, 6243]
2048	[3479, 3480]	4598	[806, 5874]	7148	[8689, 6210]	9698	[672, 5223]
2049	[3481, 3482]	4599	[6496, 6497]	7149	[8690, 8691]	9699	[6372, 166]
2050	[1187, 1554]	4600	[6498, 6105]	7150	[4975, 8692]	9700	[8894, 8420]
2051	[1234, 3483]	4601	[6299, 6499]	7151	[5105, 2751]	9701	[8720, 9881]
2052	[3363, 3484]	4602	[6500, 6501]	7152	[8693, 5738]	9702	[9121, 6113]
2053	[3485, 3486]	4603	[6227, 159]	7153	[8694, 2565]	9703	[781, 5292]
2054	[3487, 3488]	4604	[5452, 6502]	7154	[5440, 8695]	9704	[9982, 6100]
2055	[3489, 3490]	4605	[6503, 6504]	7155	[6304, 6460]	9705	[10022, 5756]
2056	[3491, 3492]	4606	[2305, 2246]	7156	[6416, 5919]	9706	[10023, 8636]
2057	[1112, 3493]	4607	[6145, 2874]	7157	[5487, 6280]	9707	[9, 8679]
2058	[3494, 1302]	4608	[677, 4904]	7158	[6140, 2666]	9708	[10024, 8426]
2059	[3495, 3496]	4609	[661, 514]	7159	[8696, 5180]	9709	[10025, 8944]
2060	[3294, 3115]	4610	[2758, 2782]	7160	[759, 8519]	9710	[9084, 10026]
2061	[3497, 3498]	4611	[5438, 2127]	7161	[6466, 6030]	9711	[8500, 5144]
2062	[3499, 1547]	4612	[6505, 2484]	7162	[8697, 204]	9712	[6510, 6404]
2063	[3500, 3501]	4613	[546, 129]	7163	[5646, 34]	9713	[6026, 5966]
2064	[3502, 3503]	4614	[2423, 2496]	7164	[239, 8698]	9714	[10027, 8417]
2065	[3504, 3505]	4615	[6351, 1866]	7165	[8699, 5096]	9715	[10028, 10029]
2066	[3506, 3507]	4616	[6506, 2865]	7166	[1982, 8499]	9716	[709, 4886]
2067	[3508, 1335]	4617	[6507, 6508]	7167	[5389, 6607]	9717	[10030, 9352]
2068	[3509, 3510]	4618	[6509, 55]	7168	[5146, 1836]	9718	[8759, 8897]
2069	[3511, 3512]	4619	[5924, 5076]	7169	[8700, 1827]	9719	[5935, 8581]
2070	[3513, 3373]	4620	[5472, 6510]	7170	[8701, 1918]	9720	[2407, 5640]

2071	[3514, 3515]	4621	[6511, 6497]	7171	[802, 8702]	9721	[2781, 10031]
2072	[3516, 3517]	4622	[6109, 6160]	7172	[790, 8703]	9722	[10008, 9128]
2073	[3518, 3519]	4623	[6512, 5269]	7173	[8704, 6415]	9723	[2296, 5482]
2074	[3520, 1442]	4624	[6513, 6325]	7174	[5450, 8705]	9724	[10032, 5759]
2075	[1048, 3521]	4625	[6514, 1783]	7175	[8706, 6501]	9725	[6053, 9059]
2076	[3522, 3523]	4626	[6515, 2055]	7176	[708, 5177]	9726	[10033, 2004]
2077	[3524, 3525]	4627	[5664, 1958]	7177	[8707, 579]	9727	[8969, 5615]
2078	[3526, 469]	4628	[6516, 6517]	7178	[2869, 5392]	9728	[10034, 9039]
2079	[107, 3527]	4629	[5069, 6518]	7179	[8708, 5461]	9729	[10035, 9993]
2080	[3528, 3529]	4630	[5529, 929]	7180	[8709, 2746]	9730	[9088, 1858]
2081	[3530, 3531]	4631	[6519, 6520]	7181	[8710, 2153]	9731	[9209, 8428]
2082	[3532, 3533]	4632	[5153, 6022]	7182	[5094, 8711]	9732	[2337, 8359]
2083	[3534, 1613]	4633	[5995, 2673]	7183	[8712, 6508]	9733	[2667, 10036]
2084	[1325, 3535]	4634	[6360, 5906]	7184	[8713, 6543]	9734	[10037, 8503]
2085	[3536, 1271]	4635	[5032, 920]	7185	[5178, 5051]	9735	[10038, 8514]
2086	[3537, 3538]	4636	[6521, 2319]	7186	[8714, 2415]	9736	[10039, 8417]
2087	[3366, 3539]	4637	[6522, 644]	7187	[8424, 1867]	9737	[6422, 9192]
2088	[3540, 3102]	4638	[2901, 6523]	7188	[8715, 8474]	9738	[8987, 2763]
2089	[3541, 3542]	4639	[6524, 5802]	7189	[2512, 5602]	9739	[10040, 10041]
2090	[3543, 3544]	4640	[2923, 5177]	7190	[8716, 5502]	9740	[5519, 687]
2091	[3545, 1119]	4641	[6525, 2344]	7191	[2298, 1963]	9741	[10042, 9940]
2092	[3546, 3547]	4642	[6526, 6527]	7192	[2176, 6459]	9742	[780, 2249]
2093	[3548, 3549]	4643	[1861, 2327]	7193	[8717, 616]	9743	[10043, 5575]
2094	[3550, 3551]	4644	[6528, 6529]	7194	[8718, 8719]	9744	[10044, 9095]
2095	[3552, 3553]	4645	[6530, 6531]	7195	[8720, 235]	9745	[2881, 10045]
2096	[3554, 3555]	4646	[6532, 2173]	7196	[5379, 5643]	9746	[10046, 9082]
2097	[3556, 3557]	4647	[6533, 5322]	7197	[811, 2828]	9747	[10047, 8867]
2098	[3558, 3012]	4648	[6534, 5454]	7198	[2865, 5267]	9748	[8742, 10048]
2099	[3559, 3560]	4649	[6226, 2364]	7199	[8721, 6067]	9749	[6355, 5097]
2100	[3561, 3562]	4650	[2069, 6535]	7200	[2626, 8722]	9750	[8699, 9970]
2101	[3563, 3564]	4651	[5171, 5827]	7201	[8723, 8427]	9751	[6365, 10049]
2102	[412, 3565]	4652	[6536, 1768]	7202	[5541, 8724]	9752	[8434, 6148]
2103	[3566, 3567]	4653	[6537, 4984]	7203	[8725, 6631]	9753	[10050, 9883]
2104	[3568, 3569]	4654	[6538, 6539]	7204	[5172, 8726]	9754	[591, 8711]
2105	[3570, 3571]	4655	[1837, 6086]	7205	[5332, 6257]	9755	[10035, 8563]
2106	[1288, 3572]	4656	[6540, 6317]	7206	[8578, 2038]	9756	[8667, 8786]
2107	[3573, 466]	4657	[6541, 2939]	7207	[8727, 919]	9757	[10051, 6201]
2108	[3018, 3360]	4658	[5130, 569]	7208	[2683, 8728]	9758	[8615, 8589]
2109	[3574, 3575]	4659	[6542, 5687]	7209	[8729, 6603]	9759	[8528, 10052]
2110	[3576, 3577]	4660	[2842, 5070]	7210	[2592, 8730]	9760	[10053, 6283]
2111	[3578, 3579]	4661	[6374, 2902]	7211	[2952, 2383]	9761	[6020, 6437]
2112	[1242, 3580]	4662	[6543, 6544]	7212	[824, 2784]	9762	[5103, 9308]
2113	[1244, 3581]	4663	[5290, 6545]	7213	[8731, 2885]	9763	[10054, 9911]
2114	[3582, 3583]	4664	[6546, 2814]	7214	[6409, 8732]	9764	[10055, 9189]

2115	[3584, 3585]	4665	[6547, 6548]	7215	[622, 8733]	9765	[5061, 1942]
2116	[3586, 1733]	4666	[687, 6549]	7216	[8734, 4993]	9766	[10056, 5103]
2117	[3587, 1327]	4667	[6550, 6551]	7217	[32, 8735]	9767	[10057, 10058]
2118	[3588, 3589]	4668	[6552, 6553]	7218	[4986, 6293]	9768	[8536, 843]
2119	[3416, 3289]	4669	[6554, 5749]	7219	[8736, 5468]	9769	[10059, 8777]
2120	[1467, 3590]	4670	[6555, 6556]	7220	[8737, 8526]	9770	[2552, 9942]
2121	[3591, 3592]	4671	[6424, 6557]	7221	[8738, 2097]	9771	[10060, 9949]
2122	[3593, 3594]	4672	[6558, 2880]	7222	[8739, 8740]	9772	[909, 8651]
2123	[3595, 3596]	4673	[6559, 6560]	7223	[8741, 2076]	9773	[10061, 10062]
2124	[3597, 3598]	4674	[6561, 2537]	7224	[2444, 2345]	9774	[9960, 8784]
2125	[3599, 3600]	4675	[6562, 6563]	7225	[8742, 8743]	9775	[6342, 10063]
2126	[3601, 3602]	4676	[6564, 5794]	7226	[8744, 8745]	9776	[4898, 10010]
2127	[1394, 3603]	4677	[5613, 6001]	7227	[5891, 2384]	9777	[5913, 6551]
2128	[3379, 3604]	4678	[4795, 652]	7228	[8662, 8746]	9778	[4935, 9219]
2129	[3605, 345]	4679	[6565, 5652]	7229	[8747, 8748]	9779	[2751, 9958]
2130	[1609, 3606]	4680	[6566, 5191]	7230	[1938, 8749]	9780	[10064, 10065]
2131	[3607, 3608]	4681	[5427, 2421]	7231	[6131, 525]	9781	[10066, 5702]
2132	[3609, 1246]	4682	[6567, 5985]	7232	[5978, 2189]	9782	[2707, 8901]
2133	[3610, 3611]	4683	[5954, 2702]	7233	[8750, 8661]	9783	[5652, 8800]
2134	[3612, 3613]	4684	[6568, 2837]	7234	[8751, 8752]	9784	[9967, 10067]
2135	[1120, 3614]	4685	[5699, 1956]	7235	[5544, 5018]	9785	[10068, 10058]
2136	[3615, 3056]	4686	[6569, 2259]	7236	[2438, 8753]	9786	[10069, 1894]
2137	[3616, 91]	4687	[6570, 6571]	7237	[8754, 8755]	9787	[8819, 6578]
2138	[3617, 3618]	4688	[6572, 5531]	7238	[6022, 2390]	9788	[10064, 9073]
2139	[3619, 3620]	4689	[814, 2140]	7239	[8756, 5840]	9789	[5282, 2522]
2140	[1527, 3080]	4690	[6573, 6574]	7240	[2866, 8440]	9790	[10070, 2440]
2141	[3621, 3622]	4691	[6460, 6575]	7241	[6562, 5274]	9791	[528, 10071]
2142	[311, 3623]	4692	[6576, 6577]	7242	[8757, 6520]	9792	[2712, 6472]
2143	[3624, 3625]	4693	[6578, 5672]	7243	[2242, 671]	9793	[9034, 1864]
2144	[994, 1298]	4694	[5555, 645]	7244	[8758, 5504]	9794	[10072, 2498]
2145	[3626, 3627]	4695	[5959, 2321]	7245	[2033, 2157]	9795	[10073, 8490]
2146	[3628, 86]	4696	[801, 6259]	7246	[8759, 6275]	9796	[10074, 9106]
2147	[3629, 3630]	4697	[6579, 2775]	7247	[8760, 8761]	9797	[10075, 9249]
2148	[1123, 3631]	4698	[6580, 6581]	7248	[1925, 6502]	9798	[8779, 2472]
2149	[3632, 1565]	4699	[5383, 6582]	7249	[6246, 5107]	9799	[5823, 755]
2150	[3633, 3634]	4700	[6583, 5367]	7250	[8762, 8532]	9800	[1922, 8728]
2151	[3635, 3636]	4701	[6584, 2823]	7251	[2735, 5465]	9801	[10076, 10029]
2152	[3419, 3162]	4702	[6585, 6586]	7252	[8763, 2176]	9802	[9183, 8892]
2153	[3637, 3638]	4703	[6587, 5913]	7253	[4951, 8388]	9803	[2035, 10077]
2154	[3639, 3640]	4704	[6588, 6589]	7254	[8764, 2638]	9804	[933, 4816]
2155	[3641, 3117]	4705	[6590, 6591]	7255	[8765, 8766]	9805	[9208, 9204]
2156	[3642, 3643]	4706	[1761, 6070]	7256	[2436, 8767]	9806	[6630, 6013]
2157	[3644, 3645]	4707	[6592, 743]	7257	[8768, 8769]	9807	[6308, 10078]
2158	[3456, 3520]	4708	[6593, 6313]	7258	[5252, 5081]	9808	[8899, 9893]

2159	[3646, 105]	4709	[6594, 6104]	7259	[5784, 1898]	9809	[2881, 9028]
2160	[3554, 3647]	4710	[6001, 6595]	7260	[8770, 2019]	9810	[2448, 10045]
2161	[3648, 3293]	4711	[858, 2007]	7261	[2936, 2820]	9811	[5023, 9935]
2162	[3649, 3650]	4712	[922, 4927]	7262	[8771, 5160]	9812	[10079, 624]
2163	[3568, 3651]	4713	[6596, 2392]	7263	[8772, 8773]	9813	[5934, 9899]
2164	[3652, 1639]	4714	[6318, 5540]	7264	[8774, 2480]	9814	[703, 1772]
2165	[83, 3653]	4715	[6091, 6597]	7265	[8775, 8761]	9815	[10045, 9326]
2166	[3654, 3655]	4716	[5328, 5522]	7266	[8697, 5799]	9816	[6193, 5577]
2167	[3656, 3657]	4717	[6598, 6599]	7267	[1947, 6242]	9817	[10080, 5835]
2168	[3658, 1057]	4718	[6600, 6601]	7268	[4893, 1928]	9818	[9187, 10081]
2169	[3659, 3200]	4719	[6602, 2999]	7269	[8776, 4850]	9819	[6341, 9987]
2170	[3660, 3661]	4720	[6603, 2130]	7270	[8777, 840]	9820	[10082, 6017]
2171	[3176, 3662]	4721	[2227, 38]	7271	[8778, 185]	9821	[10083, 9150]
2172	[3663, 1085]	4722	[131, 2294]	7272	[8779, 5204]	9822	[10084, 8620]
2173	[3664, 3665]	4723	[6336, 5151]	7273	[8780, 8357]	9823	[9089, 5909]
2174	[1299, 5]	4724	[685, 2147]	7274	[5322, 5991]	9824	[2396, 5272]
2175	[3666, 1044]	4725	[6604, 5506]	7275	[8781, 6166]	9825	[2544, 892]
2176	[3667, 3668]	4726	[6430, 6605]	7276	[8782, 8783]	9826	[6009, 10085]
2177	[275, 3669]	4727	[6606, 6607]	7277	[2365, 8784]	9827	[10086, 6487]
2178	[1648, 3670]	4728	[6608, 2801]	7278	[750, 8785]	9828	[9371, 5677]
2179	[3671, 3672]	4729	[6609, 2724]	7279	[5450, 2342]	9829	[9975, 5204]
2180	[3673, 3674]	4730	[2427, 6073]	7280	[727, 8502]	9830	[8575, 8352]
2181	[3675, 3676]	4731	[2290, 4946]	7281	[1943, 600]	9831	[2009, 9969]
2182	[3677, 3678]	4732	[6058, 5821]	7282	[2082, 8786]	9832	[4812, 8624]
2183	[3679, 3680]	4733	[6610, 1854]	7283	[2721, 8787]	9833	[5277, 9365]
2184	[3681, 3682]	4734	[6611, 5217]	7284	[8383, 2607]	9834	[5593, 9026]
2185	[270, 3683]	4735	[5592, 6612]	7285	[8788, 5376]	9835	[10087, 6155]
2186	[3684, 954]	4736	[6613, 6493]	7286	[707, 5902]	9836	[2607, 5950]
2187	[3685, 3686]	4737	[2907, 6614]	7287	[8789, 8790]	9837	[9038, 2930]
2188	[3531, 3687]	4738	[6615, 2678]	7288	[8791, 6012]	9838	[8592, 5157]
2189	[3509, 3688]	4739	[2906, 1822]	7289	[8792, 5632]	9839	[9242, 2588]
2190	[3689, 3690]	4740	[6616, 132]	7290	[8793, 8422]	9840	[6464, 10088]
2191	[3691, 1669]	4741	[6617, 6618]	7291	[8794, 8795]	9841	[10089, 4939]
2192	[3204, 3692]	4742	[6619, 6088]	7292	[8796, 2389]	9842	[10090, 2548]
2193	[3693, 3694]	4743	[2078, 1776]	7293	[8797, 2492]	9843	[10091, 10041]
2194	[3695, 3696]	4744	[2633, 6043]	7294	[8798, 5655]	9844	[10092, 5422]
2195	[1306, 3697]	4745	[5899, 2414]	7295	[8799, 8743]	9845	[2682, 2158]
2196	[3698, 3699]	4746	[6620, 2308]	7296	[2964, 8800]	9846	[6637, 9022]
2197	[3216, 3700]	4747	[2859, 6621]	7297	[8801, 2929]	9847	[9126, 10036]
2198	[948, 3701]	4748	[6622, 6623]	7298	[8802, 6115]	9848	[10093, 8496]
2199	[3702, 3703]	4749	[6624, 2630]	7299	[5697, 8783]	9849	[9072, 10065]
2200	[3704, 3705]	4750	[6625, 5921]	7300	[8407, 5830]	9850	[10094, 1780]
2201	[1010, 3706]	4751	[2044, 5181]	7301	[8803, 8804]	9851	[8800, 8448]
2202	[3707, 3029]	4752	[6626, 5384]	7302	[2118, 8805]	9852	[8750, 9947]

2203	[3708, 3709]	4753	[4823, 5638]	7303	[8806, 5308]	9853	[2561, 8651]
2204	[3710, 3711]	4754	[2960, 2155]	7304	[8807, 5703]	9854	[8960, 9945]
2205	[3712, 3713]	4755	[6627, 2130]	7305	[8808, 6153]	9855	[6575, 9915]
2206	[3714, 3715]	4756	[6469, 1875]	7306	[2599, 5133]	9856	[6375, 6315]
2207	[3716, 3717]	4757	[2716, 5890]	7307	[8809, 6018]	9857	[9223, 8416]
2208	[1403, 3718]	4758	[6628, 1890]	7308	[8810, 2248]	9858	[155, 10095]
2209	[3719, 1641]	4759	[2068, 2826]	7309	[8811, 231]	9859	[10096, 8584]
2210	[961, 3720]	4760	[6629, 2797]	7310	[8812, 6385]	9860	[5582, 8629]
2211	[331, 3721]	4761	[6630, 1765]	7311	[5877, 8560]	9861	[10097, 1905]
2212	[3722, 3723]	4762	[6631, 6632]	7312	[8813, 8814]	9862	[5429, 2787]
2213	[3724, 3725]	4763	[6633, 6180]	7313	[645, 8618]	9863	[5062, 5998]
2214	[1455, 3726]	4764	[6634, 2958]	7314	[2767, 5230]	9864	[10098, 9889]
2215	[328, 3727]	4765	[4856, 6635]	7315	[8815, 8655]	9865	[9302, 10099]
2216	[3728, 3729]	4766	[6636, 2395]	7316	[5684, 2856]	9866	[2259, 8887]
2217	[1476, 3730]	4767	[6546, 2560]	7317	[5353, 8816]	9867	[2289, 10071]
2218	[3731, 3732]	4768	[6637, 6638]	7318	[8817, 8818]	9868	[10100, 5196]
2219	[3733, 3734]	4769	[6219, 5225]	7319	[8819, 831]	9869	[9152, 5220]
2220	[3591, 3735]	4770	[5244, 6244]	7320	[8820, 8821]	9870	[10101, 9285]
2221	[3736, 1226]	4771	[6422, 2589]	7321	[8822, 4971]	9871	[9345, 10020]
2222	[3737, 1608]	4772	[2833, 6639]	7322	[8823, 6216]	9872	[10102, 6169]
2223	[1177, 3738]	4773	[5402, 2131]	7323	[2935, 514]	9873	[10103, 9252]
2224	[3739, 3740]	4774	[520, 5109]	7324	[4903, 8824]	9874	[6428, 2334]
2225	[3741, 3742]	4775	[4991, 6640]	7325	[6633, 5577]	9875	[6105, 8935]
2226	[3743, 3744]	4776	[6641, 2440]	7326	[8825, 5798]	9876	[6055, 9362]
2227	[3745, 3746]	4777	[2970, 5465]	7327	[2203, 6346]	9877	[10104, 3238]
2228	[3747, 3748]	4778	[6506, 5688]	7328	[8826, 8827]	9878	[9546, 1347]
2229	[3749, 3750]	4779	[6642, 6643]	7329	[8828, 5847]	9879	[1538, 270]
2230	[3751, 3752]	4780	[6644, 2000]	7330	[8829, 8830]	9880	[6773, 8259]
2231	[3753, 3754]	4781	[5696, 2306]	7331	[8831, 6591]	9881	[10105, 3542]
2232	[3755, 1195]	4782	[6645, 2416]	7332	[642, 2785]	9882	[9559, 328]
2233	[1215, 3756]	4783	[6646, 5436]	7333	[8832, 8833]	9883	[8314, 7249]
2234	[3757, 3758]	4784	[6597, 2361]	7334	[804, 8740]	9884	[10106, 10107]
2235	[3759, 3760]	4785	[2547, 2764]	7335	[5126, 5620]	9885	[7348, 3386]
2236	[3761, 3762]	4786	[5043, 6522]	7336	[5968, 4900]	9886	[7504, 8059]
2237	[3763, 3764]	4787	[6647, 6648]	7337	[5350, 2519]	9887	[1134, 4561]
2238	[1397, 3765]	4788	[6649, 4622]	7338	[8716, 5461]	9888	[9737, 307]
2239	[3766, 3767]	4789	[3683, 293]	7339	[8834, 5431]	9889	[10108, 3991]
2240	[1500, 1068]	4790	[394, 6650]	7340	[906, 2028]	9890	[7497, 4487]
2241	[3768, 1282]	4791	[254, 4078]	7341	[5371, 8785]	9891	[7267, 7897]
2242	[3769, 1284]	4792	[961, 4135]	7342	[576, 8835]	9892	[10109, 1470]
2243	[3405, 3592]	4793	[6651, 4696]	7343	[8836, 5710]	9893	[1407, 7189]
2244	[3770, 3771]	4794	[950, 4426]	7344	[8837, 2584]	9894	[4223, 7640]
2245	[3772, 3773]	4795	[254, 6652]	7345	[5405, 825]	9895	[7721, 3490]
2246	[3774, 3775]	4796	[3221, 6653]	7346	[4893, 5170]	9896	[1578, 3229]

2247	[3776, 3461]	4797	[6654, 1102]	7347	[8838, 863]	9897	[7373, 9447]
2248	[3777, 3778]	4798	[6655, 6656]	7348	[6485, 8839]	9898	[6707, 7280]
2249	[1471, 3255]	4799	[6657, 6658]	7349	[1899, 6612]	9899	[9722, 6827]
2250	[3779, 3780]	4800	[1359, 6659]	7350	[8840, 5093]	9900	[7062, 4425]
2251	[3781, 3782]	4801	[3872, 3048]	7351	[2308, 1924]	9901	[7646, 9403]
2252	[3783, 3784]	4802	[1260, 6660]	7352	[8754, 6290]	9902	[342, 1646]
2253	[3785, 3786]	4803	[6661, 1377]	7353	[8841, 8842]	9903	[8163, 7318]
2254	[1717, 398]	4804	[6662, 6663]	7354	[8843, 8844]	9904	[1682, 7601]
2255	[122, 3787]	4805	[6664, 1497]	7355	[4996, 5246]	9905	[3813, 4239]
2256	[3616, 3177]	4806	[3228, 6665]	7356	[8845, 6239]	9906	[3343, 438]
2257	[3788, 1655]	4807	[4499, 275]	7357	[8846, 5782]	9907	[9874, 954]
2258	[3789, 3790]	4808	[6666, 6667]	7358	[8847, 8848]	9908	[10110, 10111]
2259	[3791, 3792]	4809	[6668, 6669]	7359	[8849, 8442]	9909	[8145, 4519]
2260	[3793, 3794]	4810	[6670, 6671]	7360	[8850, 8851]	9910	[1365, 8109]
2261	[3795, 3796]	4811	[3496, 6672]	7361	[5537, 870]	9911	[7149, 8156]
2262	[3797, 3798]	4812	[6673, 6674]	7362	[2353, 5929]	9912	[7139, 8219]
2263	[3799, 3800]	4813	[3527, 6675]	7363	[5792, 5098]	9913	[10112, 7742]
2264	[361, 3801]	4814	[3248, 6676]	7364	[2739, 8654]	9914	[3654, 4665]
2265	[3802, 3803]	4815	[6677, 6678]	7365	[8852, 8853]	9915	[10113, 4476]
2266	[3804, 3805]	4816	[1733, 1683]	7366	[6579, 2098]	9916	[8091, 7830]
2267	[3806, 3807]	4817	[3880, 6679]	7367	[2220, 8667]	9917	[1607, 8306]
2268	[3808, 3809]	4818	[6680, 6681]	7368	[815, 5649]	9918	[7974, 3753]
2269	[3810, 3811]	4819	[6682, 1340]	7369	[920, 2716]	9919	[10114, 10115]
2270	[3812, 3813]	4820	[6683, 3068]	7370	[5941, 5775]	9920	[3504, 8115]
2271	[3814, 3565]	4821	[6684, 6685]	7371	[6364, 6362]	9921	[4131, 7975]
2272	[3815, 1014]	4822	[6686, 6687]	7372	[8612, 4964]	9922	[7213, 1600]
2273	[313, 3394]	4823	[6688, 6689]	7373	[8854, 4944]	9923	[7792, 1587]
2274	[3816, 3817]	4824	[6690, 6691]	7374	[2563, 2562]	9924	[10116, 10117]
2275	[3818, 3819]	4825	[6692, 6693]	7375	[8855, 2738]	9925	[7940, 9825]
2276	[3820, 3821]	4826	[6694, 6695]	7376	[8856, 8376]	9926	[3757, 7227]
2277	[3822, 3823]	4827	[6696, 6697]	7377	[2700, 2561]	9927	[3177, 92]
2278	[3824, 3825]	4828	[1562, 4240]	7378	[8617, 2221]	9928	[7060, 4354]
2279	[3826, 1624]	4829	[4084, 6698]	7379	[1921, 2683]	9929	[1532, 8119]
2280	[3827, 3828]	4830	[6699, 6700]	7380	[837, 5823]	9930	[4564, 3017]
2281	[3829, 3830]	4831	[6701, 3555]	7381	[2948, 6331]	9931	[7670, 1170]
2282	[3831, 3832]	4832	[4095, 1163]	7382	[8857, 5791]	9932	[306, 9738]
2283	[3833, 3834]	4833	[3930, 6702]	7383	[8858, 2856]	9933	[9564, 4773]
2284	[3835, 3836]	4834	[3734, 3953]	7384	[2904, 6560]	9934	[7769, 3805]
2285	[3837, 3838]	4835	[25, 6703]	7385	[8859, 8482]	9935	[10118, 9396]
2286	[1084, 3839]	4836	[6704, 6705]	7386	[8757, 8378]	9936	[9856, 9795]
2287	[3840, 3841]	4837	[3105, 4761]	7387	[5572, 2434]	9937	[7871, 3136]
2288	[1732, 3842]	4838	[6706, 6707]	7388	[2205, 839]	9938	[9688, 6674]
2289	[3843, 3844]	4839	[1220, 6708]	7389	[8860, 8418]	9939	[99, 3260]
2290	[3845, 3846]	4840	[4573, 6709]	7390	[5174, 2991]	9940	[3130, 10119]

2291	[3847, 387]	4841	[6710, 1065]	7391	[870, 5675]	9941	[9411, 9433]
2292	[1534, 3848]	4842	[6711, 1363]	7392	[2159, 51]	9942	[10120, 10121]
2293	[3849, 3755]	4843	[6712, 6713]	7393	[8810, 2035]	9943	[10122, 7841]
2294	[260, 3850]	4844	[6714, 6715]	7394	[8861, 8862]	9944	[4453, 71]
2295	[3851, 3438]	4845	[6716, 6717]	7395	[5358, 5299]	9945	[10123, 10124]
2296	[3852, 3853]	4846	[1741, 4695]	7396	[5278, 8863]	9946	[3517, 1285]
2297	[3663, 3839]	4847	[6718, 3352]	7397	[8864, 2650]	9947	[3740, 3140]
2298	[3854, 3855]	4848	[6719, 424]	7398	[8865, 8866]	9948	[1063, 3616]
2299	[3856, 414]	4849	[6720, 6721]	7399	[8501, 8867]	9949	[10125, 7291]
2300	[3857, 3858]	4850	[6722, 3196]	7400	[8868, 2552]	9950	[3033, 3028]
2301	[3859, 3860]	4851	[6723, 6724]	7401	[6294, 5494]	9951	[10126, 8036]
2302	[3861, 3862]	4852	[3985, 6725]	7402	[8869, 6268]	9952	[1100, 10127]
2303	[3863, 3864]	4853	[6726, 4387]	7403	[6476, 53]	9953	[7094, 4117]
2304	[3865, 3866]	4854	[6727, 383]	7404	[666, 5000]	9954	[10128, 10129]
2305	[3867, 1125]	4855	[3468, 3160]	7405	[8870, 8871]	9955	[461, 7002]
2306	[3180, 1632]	4856	[6728, 6729]	7406	[8872, 5701]	9956	[10130, 7225]
2307	[3868, 3524]	4857	[6730, 6731]	7407	[8873, 5083]	9957	[8138, 7479]
2308	[3869, 3818]	4858	[6732, 4265]	7408	[5189, 6243]	9958	[7024, 4131]
2309	[3870, 3871]	4859	[6733, 6734]	7409	[5396, 8874]	9959	[10131, 3691]
2310	[3872, 3242]	4860	[1142, 6735]	7410	[8875, 8876]	9960	[3793, 6777]
2311	[3873, 3874]	4861	[6736, 6737]	7411	[6344, 2833]	9961	[10132, 9388]
2312	[3875, 3876]	4862	[3285, 3686]	7412	[2083, 2639]	9962	[10133, 10134]
2313	[3877, 3878]	4863	[6738, 3418]	7413	[8347, 8733]	9963	[1661, 3749]
2314	[977, 3879]	4864	[6739, 3054]	7414	[5155, 2218]	9964	[4491, 7913]
2315	[979, 3880]	4865	[4608, 6740]	7415	[8877, 5877]	9965	[8297, 1213]
2316	[3086, 1492]	4866	[6741, 6742]	7416	[2039, 4995]	9966	[4673, 7858]
2317	[3881, 3882]	4867	[6743, 6744]	7417	[8869, 8878]	9967	[8312, 10135]
2318	[3342, 3883]	4868	[6745, 363]	7418	[1823, 8879]	9968	[7281, 4173]
2319	[3440, 3884]	4869	[6746, 4060]	7419	[8880, 8881]	9969	[3418, 3630]
2320	[3885, 1728]	4870	[6747, 6748]	7420	[8882, 8342]	9970	[10136, 1568]
2321	[1434, 3886]	4871	[1647, 3221]	7421	[8744, 8533]	9971	[1078, 4787]
2322	[3887, 3888]	4872	[6749, 6663]	7422	[871, 8883]	9972	[3359, 3019]
2323	[3889, 3890]	4873	[3575, 4421]	7423	[5686, 8884]	9973	[9624, 953]
2324	[3891, 3892]	4874	[3923, 1240]	7424	[5058, 6573]	9974	[3596, 10127]
2325	[3609, 3893]	4875	[6750, 3837]	7425	[8885, 4889]	9975	[282, 4104]
2326	[3894, 1437]	4876	[6751, 6752]	7426	[8886, 5270]	9976	[4256, 6720]
2327	[3895, 3896]	4877	[6753, 6754]	7427	[2690, 8887]	9977	[7623, 7687]
2328	[3897, 3898]	4878	[4393, 6755]	7428	[1774, 8888]	9978	[9609, 7179]
2329	[3899, 3627]	4879	[1413, 6756]	7429	[8889, 2389]	9979	[1247, 8227]
2330	[3900, 3450]	4880	[6757, 6758]	7430	[8890, 5599]	9980	[423, 9774]
2331	[3901, 3902]	4881	[6759, 6760]	7431	[6394, 5489]	9981	[963, 1746]
2332	[3903, 3904]	4882	[6761, 6762]	7432	[8891, 8892]	9982	[7995, 7637]
2333	[3905, 3906]	4883	[3364, 3548]	7433	[8351, 8576]	9983	[3516, 1284]
2334	[3907, 3908]	4884	[6763, 6764]	7434	[8398, 8893]	9984	[1033, 10137]

2335	[3909, 3910]	4885	[6765, 6766]	7435	[2087, 2847]	9985	[473, 9821]
2336	[3911, 1225]	4886	[329, 6767]	7436	[2663, 5952]	9986	[7224, 1231]
2337	[1504, 3876]	4887	[6768, 6769]	7437	[2268, 8382]	9987	[10138, 10139]
2338	[3912, 3913]	4888	[3091, 6770]	7438	[195, 6270]	9988	[7743, 9666]
2339	[1528, 3914]	4889	[3799, 6771]	7439	[5087, 2117]	9989	[9580, 6821]
2340	[3355, 3222]	4890	[6772, 6773]	7440	[2347, 6499]	9990	[1004, 1170]
2341	[3915, 1280]	4891	[6774, 3045]	7441	[8894, 608]	9991	[429, 8240]
2342	[1704, 25]	4892	[6775, 474]	7442	[575, 5540]	9992	[3063, 3456]
2343	[3916, 29]	4893	[6776, 6777]	7443	[2378, 6251]	9993	[9826, 10140]
2344	[3917, 3918]	4894	[6778, 6779]	7444	[8895, 5745]	9994	[9535, 6997]
2345	[3919, 3920]	4895	[4769, 3322]	7445	[5970, 8896]	9995	[3859, 3744]
2346	[3921, 3199]	4896	[6780, 6781]	7446	[8584, 2892]	9996	[6699, 7375]
2347	[3922, 3923]	4897	[6782, 1702]	7447	[6274, 8897]	9997	[8239, 430]
2348	[1035, 310]	4898	[6783, 3645]	7448	[8464, 1888]	9998	[10141, 10107]
2349	[3924, 3925]	4899	[6784, 6785]	7449	[8898, 5630]	9999	[7620, 1715]
2350	[3926, 3927]	4900	[6786, 4351]	7450	[8899, 2364]	10000	[4183, 3378]
2351	[3928, 3929]	4901	[4282, 6787]	7451	[8829, 8594]	10001	[1681, 7465]
2352	[1539, 271]	4902	[4130, 4003]	7452	[2551, 6106]	10002	[10130, 1653]
2353	[3930, 3931]	4903	[6788, 6789]	7453	[569, 2393]	10003	[8011, 7209]
2354	[3932, 3933]	4904	[6790, 6791]	7454	[8900, 5418]	10004	[8113, 3158]
2355	[3934, 3935]	4905	[4547, 3720]	7455	[697, 8901]	10005	[8086, 382]
2356	[952, 3936]	4906	[6792, 3390]	7456	[6567, 695]	10006	[1056, 7977]
2357	[3937, 3075]	4907	[6793, 6659]	7457	[8902, 8572]	10007	[8017, 6914]
2358	[3938, 3939]	4908	[4195, 6794]	7458	[5758, 6375]	10008	[4450, 4066]
2359	[3940, 3941]	4909	[6795, 3314]	7459	[4997, 8682]	10009	[3526, 3108]
2360	[3389, 3942]	4910	[4359, 77]	7460	[4928, 2676]	10010	[1366, 9810]
2361	[3943, 1456]	4911	[1124, 6796]	7461	[2648, 5704]	10011	[347, 323]
2362	[3944, 3157]	4912	[6797, 6798]	7462	[8903, 2409]	10012	[7729, 7578]
2363	[3945, 3946]	4913	[6799, 6800]	7463	[8904, 2717]	10013	[278, 1133]
2364	[3947, 3948]	4914	[6801, 1487]	7464	[6265, 6468]	10014	[1393, 7864]
2365	[3949, 3294]	4915	[6802, 6803]	7465	[8709, 5933]	10015	[9669, 9815]
2366	[3950, 3951]	4916	[6804, 6805]	7466	[5317, 731]	10016	[3403, 4653]
2367	[3952, 3953]	4917	[6806, 6807]	7467	[2297, 1962]	10017	[3936, 7501]
2368	[3954, 1394]	4918	[6808, 6809]	7468	[8905, 2242]	10018	[4626, 1119]
2369	[3869, 339]	4919	[6810, 6811]	7469	[2030, 8906]	10019	[4678, 7344]
2370	[3955, 3956]	4920	[3042, 1398]	7470	[8538, 5559]	10020	[10142, 7110]
2371	[969, 3957]	4921	[6812, 6813]	7471	[8907, 2933]	10021	[10143, 10144]
2372	[3958, 1334]	4922	[4731, 6814]	7472	[8789, 8908]	10022	[6820, 9581]
2373	[3959, 3100]	4923	[6815, 6816]	7473	[5675, 5589]	10023	[6857, 4547]
2374	[3960, 3961]	4924	[6745, 6817]	7474	[8909, 2621]	10024	[4640, 10145]
2375	[3638, 3962]	4925	[951, 6818]	7475	[8910, 8911]	10025	[7593, 3614]
2376	[3963, 3964]	4926	[6819, 1507]	7476	[672, 8912]	10026	[10146, 8098]
2377	[1527, 3965]	4927	[6820, 6821]	7477	[8913, 8914]	10027	[7817, 3339]
2378	[3966, 3967]	4928	[6822, 6684]	7478	[712, 8637]	10028	[7513, 4197]

2379	[3376, 1585]	4929	[3229, 6823]	7479	[8602, 2315]	10029	[3439, 3676]
2380	[3968, 3969]	4930	[6824, 4708]	7480	[5039, 8915]	10030	[7558, 1444]
2381	[3970, 3971]	4931	[6825, 6826]	7481	[5458, 5079]	10031	[9600, 1117]
2382	[3972, 1661]	4932	[3305, 6827]	7482	[8916, 6333]	10032	[1739, 9598]
2383	[3973, 3653]	4933	[6828, 4031]	7483	[8917, 2157]	10033	[7072, 7075]
2384	[3974, 3975]	4934	[6829, 6830]	7484	[6600, 6403]	10034	[3527, 9591]
2385	[3976, 3977]	4935	[6831, 6693]	7485	[1863, 8918]	10035	[8214, 7363]
2386	[1593, 3978]	4936	[6832, 4324]	7486	[5433, 4812]	10036	[10147, 1626]
2387	[3979, 3980]	4937	[3976, 6833]	7487	[6545, 8919]	10037	[8196, 7937]
2388	[3981, 472]	4938	[6834, 6835]	7488	[8598, 526]	10038	[1651, 4710]
2389	[3982, 3983]	4939	[6836, 1491]	7489	[5511, 838]	10039	[7284, 7591]
2390	[3984, 3985]	4940	[6837, 6838]	7490	[6128, 2185]	10040	[1229, 298]
2391	[3986, 3987]	4941	[3131, 6839]	7491	[4979, 5783]	10041	[1466, 10148]
2392	[3988, 3989]	4942	[3352, 4563]	7492	[1927, 5170]	10042	[7299, 485]
2393	[3990, 3991]	4943	[6840, 6841]	7493	[2844, 606]	10043	[8155, 7150]
2394	[64, 3992]	4944	[6842, 6843]	7494	[8920, 5349]	10044	[6743, 7800]
2395	[3993, 3994]	4945	[6844, 6845]	7495	[8921, 4973]	10045	[4069, 4411]
2396	[3995, 3996]	4946	[6846, 6847]	7496	[8922, 6623]	10046	[9573, 10149]
2397	[3997, 3274]	4947	[6848, 6849]	7497	[655, 1895]	10047	[8121, 7070]
2398	[3998, 3999]	4948	[4608, 6850]	7498	[8923, 718]	10048	[10150, 3463]
2399	[4000, 3884]	4949	[6851, 6852]	7499	[8485, 5057]	10049	[10151, 10152]
2400	[4001, 340]	4950	[6853, 6854]	7500	[8924, 8503]	10050	[4555, 3927]
2401	[4002, 4003]	4951	[3226, 1332]	7501	[8925, 628]	10051	[3161, 3420]
2402	[4004, 4005]	4952	[6855, 1446]	7502	[5117, 8926]	10052	[10153, 10148]
2403	[4006, 4007]	4953	[6856, 3901]	7503	[2468, 4968]	10053	[3529, 10154]
2404	[4008, 4009]	4954	[6857, 961]	7504	[8751, 2162]	10054	[4014, 10154]
2405	[4010, 3362]	4955	[6858, 6859]	7505	[8927, 8928]	10055	[7587, 3229]
2406	[4011, 471]	4956	[426, 3250]	7506	[4935, 8929]	10056	[9636, 4667]
2407	[4012, 1082]	4957	[1564, 6860]	7507	[8386, 8930]	10057	[7255, 9752]
2408	[4013, 4014]	4958	[6861, 3591]	7508	[2651, 8767]	10058	[10155, 7912]
2409	[4015, 4016]	4959	[6862, 6863]	7509	[6461, 8931]	10059	[7812, 1701]
2410	[3198, 4017]	4960	[4451, 4784]	7510	[5861, 166]	10060	[7760, 7942]
2411	[4018, 4019]	4961	[6849, 6665]	7511	[2457, 2550]	10061	[3777, 29]
2412	[4020, 4021]	4962	[6864, 6864]	7512	[8385, 6522]	10062	[6942, 6867]
2413	[4022, 4023]	4963	[3800, 6865]	7513	[5923, 2525]	10063	[10156, 4238]
2414	[4024, 3931]	4964	[6866, 6867]	7514	[2562, 2536]	10064	[3867, 3845]
2415	[1623, 4025]	4965	[4121, 6868]	7515	[8932, 8933]	10065	[10157, 10158]
2416	[4026, 3856]	4966	[6869, 6870]	7516	[2611, 8934]	10066	[4353, 7969]
2417	[4027, 4028]	4967	[3098, 1287]	7517	[5100, 8853]	10067	[8118, 1533]
2418	[4029, 3973]	4968	[4096, 6871]	7518	[8935, 5271]	10068	[3410, 4452]
2419	[1044, 1123]	4969	[6872, 6873]	7519	[4833, 6618]	10069	[9738, 10159]
2420	[4030, 3773]	4970	[3312, 1128]	7520	[6300, 4874]	10070	[7044, 4019]
2421	[4031, 3236]	4971	[6874, 1719]	7521	[8574, 5432]	10071	[10160, 3303]
2422	[4032, 4033]	4972	[6875, 6876]	7522	[517, 2631]	10072	[1563, 1236]

2423	[4034, 3677]	4973	[6877, 6878]	7523	[6180, 5578]	10073	[75, 1351]
2424	[4035, 4036]	4974	[1698, 6879]	7524	[8936, 8474]	10074	[3619, 9799]
2425	[4037, 4038]	4975	[6880, 6881]	7525	[5161, 5713]	10075	[3631, 7905]
2426	[1657, 4039]	4976	[4455, 6882]	7526	[2366, 8505]	10076	[3650, 1542]
2427	[1531, 4040]	4977	[6883, 1457]	7527	[2679, 8359]	10077	[10161, 4608]
2428	[4041, 4042]	4978	[4501, 1749]	7528	[8937, 177]	10078	[7330, 4416]
2429	[4043, 4044]	4979	[3394, 6884]	7529	[8938, 8939]	10079	[4522, 20]
2430	[3739, 1106]	4980	[4373, 1372]	7530	[8940, 8941]	10080	[1415, 1121]
2431	[4045, 4046]	4981	[6885, 6717]	7531	[8942, 894]	10081	[1670, 4680]
2432	[4047, 999]	4982	[6886, 6887]	7532	[8943, 8944]	10082	[3822, 3699]
2433	[1518, 4048]	4983	[253, 4077]	7533	[8945, 8559]	10083	[1581, 78]
2434	[4049, 4050]	4984	[4285, 3072]	7534	[8946, 8947]	10084	[4171, 1273]
2435	[4051, 4052]	4985	[1295, 6888]	7535	[2521, 5824]	10085	[1514, 10162]
2436	[4053, 4054]	4986	[6889, 6890]	7536	[1994, 5636]	10086	[4308, 7258]
2437	[3034, 4055]	4987	[6875, 3853]	7537	[8948, 5386]	10087	[300, 3985]
2438	[4056, 4057]	4988	[6891, 6892]	7538	[2265, 6394]	10088	[9805, 7308]
2439	[4058, 4059]	4989	[4341, 4583]	7539	[5160, 657]	10089	[7488, 1727]
2440	[3486, 4060]	4990	[6893, 6894]	7540	[5712, 5162]	10090	[381, 8087]
2441	[3995, 4061]	4991	[4749, 6895]	7541	[8949, 8950]	10091	[8272, 6977]
2442	[4062, 3127]	4992	[6795, 6896]	7542	[8951, 4875]	10092	[10141, 7365]
2443	[4063, 3919]	4993	[6897, 3305]	7543	[8876, 5587]	10093	[3916, 3778]
2444	[4064, 4065]	4994	[6892, 6898]	7544	[6592, 5505]	10094	[1561, 4239]
2445	[431, 3749]	4995	[6764, 3121]	7545	[5205, 2095]	10095	[9862, 8116]
2446	[4066, 4067]	4996	[6899, 300]	7546	[2829, 8952]	10096	[1265, 4649]
2447	[4068, 4069]	4997	[4287, 6900]	7547	[8953, 5222]	10097	[7592, 485]
2448	[4070, 4071]	4998	[1650, 6901]	7548	[8954, 8336]	10098	[4392, 4253]
2449	[4072, 1266]	4999	[4767, 6902]	7549	[8955, 8956]	10099	[4045, 7115]
2450	[4073, 4074]	5000	[6903, 6904]	7550	[2091, 8957]	10100	[3133, 9779]
2451	[3778, 30]	5001	[6905, 1332]	7551	[8958, 2501]	10101	[4429, 3879]
2452	[4075, 3851]	5002	[6906, 1239]	7552	[8959, 8960]	10102	[4710, 8019]
2453	[1627, 1642]	5003	[3316, 1153]	7553	[8961, 8588]	10103	[67, 7743]
2454	[374, 4076]	5004	[4336, 6907]	7554	[4846, 5651]	10104	[10163, 6254]
2455	[4077, 4078]	5005	[6908, 6909]	7555	[8917, 2682]	10105	[8397, 9114]
2456	[3072, 4079]	5006	[4435, 446]	7556	[5821, 8492]	10106	[5552, 9961]
2457	[4080, 1367]	5007	[4069, 6910]	7557	[1893, 754]	10107	[10164, 9981]
2458	[4081, 336]	5008	[6911, 6912]	7558	[8480, 8930]	10108	[2199, 8616]
2459	[4082, 4083]	5009	[6913, 4277]	7559	[2696, 2074]	10109	[2408, 9247]
2460	[4084, 4085]	5010	[6914, 6915]	7560	[8962, 8963]	10110	[8762, 6504]
2461	[4086, 4087]	5011	[6916, 6917]	7561	[8964, 6480]	10111	[10165, 2141]
2462	[1522, 4088]	5012	[6851, 6918]	7562	[6059, 5212]	10112	[5056, 8486]
2463	[4089, 4090]	5013	[3289, 1094]	7563	[8965, 2342]	10113	[2248, 10077]
2464	[3313, 4091]	5014	[1088, 6919]	7564	[2609, 6135]	10114	[9044, 4949]
2465	[4092, 4093]	5015	[6920, 6921]	7565	[6536, 8966]	10115	[5910, 9284]
2466	[4094, 3350]	5016	[1695, 6922]	7566	[8967, 5434]	10116	[5595, 497]

2467	[4095, 4096]	5017	[1113, 6923]	7567	[8968, 5668]	10117	[10018, 558]
2468	[4097, 3325]	5018	[6924, 1241]	7568	[6253, 6382]	10118	[9359, 10166]
2469	[4098, 4099]	5019	[6925, 6926]	7569	[8969, 6461]	10119	[10167, 9999]
2470	[295, 4100]	5020	[6927, 6921]	7570	[8618, 2051]	10120	[9225, 497]
2471	[4101, 4102]	5021	[6928, 6929]	7571	[8970, 6000]	10121	[10168, 1772]
2472	[3588, 4103]	5022	[6930, 6931]	7572	[923, 802]	10122	[5120, 10049]
2473	[4104, 4105]	5023	[3179, 6932]	7573	[8971, 8394]	10123	[9355, 10169]
2474	[4106, 3698]	5024	[6933, 6934]	7574	[5156, 5551]	10124	[10170, 8698]
2475	[4107, 3079]	5025	[6935, 6936]	7575	[8972, 6571]	10125	[8461, 10063]
2476	[4108, 4109]	5026	[6937, 6938]	7576	[8698, 5320]	10126	[724, 5151]
2477	[3420, 4110]	5027	[282, 6939]	7577	[8668, 8949]	10127	[5462, 5623]
2478	[4111, 4112]	5028	[6940, 3213]	7578	[8973, 2950]	10128	[5813, 9155]
2479	[4113, 4114]	5029	[6941, 3880]	7579	[8974, 5486]	10129	[10171, 1901]
2480	[4115, 4116]	5030	[3709, 291]	7580	[8975, 2962]	10130	[510, 10031]
2481	[3610, 4117]	5031	[6878, 6942]	7581	[8976, 6188]	10131	[5670, 10088]
2482	[4118, 4119]	5032	[1568, 6943]	7582	[6150, 5511]	10132	[1876, 10052]
2483	[1493, 1222]	5033	[4693, 6944]	7583	[8977, 5771]	10133	[6644, 175]
2484	[3537, 4120]	5034	[6945, 6946]	7584	[8978, 8979]	10134	[10172, 9883]
2485	[4121, 4122]	5035	[1402, 6947]	7585	[5150, 8519]	10135	[10173, 8831]
2486	[4123, 4124]	5036	[6948, 6949]	7586	[2410, 1834]	10136	[571, 10174]
2487	[1131, 3904]	5037	[252, 6950]	7587	[2574, 167]	10137	[10175, 6178]
2488	[4125, 4126]	5038	[4414, 6951]	7588	[725, 5152]	10138	[8624, 5084]
2489	[412, 4127]	5039	[3094, 6952]	7589	[5357, 1933]	10139	[10176, 10012]
2490	[4128, 3284]	5040	[6953, 6954]	7590	[8503, 8911]	10140	[6168, 10177]
2491	[3414, 3910]	5041	[3479, 3767]	7591	[5683, 8980]	10141	[9122, 6579]
2492	[4129, 4130]	5042	[6955, 6956]	7592	[5857, 764]	10142	[8551, 10078]
2493	[4131, 3753]	5043	[6957, 6958]	7593	[5261, 8981]	10143	[2825, 9138]
2494	[4132, 4133]	5044	[6959, 6960]	7594	[8982, 2993]	10144	[10178, 5556]
2495	[4134, 3862]	5045	[3085, 3367]	7595	[8983, 5700]	10145	[10179, 10062]
2496	[4135, 4136]	5046	[6961, 1077]	7596	[1908, 8730]	10146	[9905, 10169]
2497	[4137, 4138]	5047	[6962, 6963]	7597	[8984, 2621]	10147	[5596, 10166]
2498	[4139, 4140]	5048	[6964, 3976]	7598	[8567, 5799]	10148	[10180, 2552]
2499	[1678, 4141]	5049	[4425, 951]	7599	[2826, 6535]	10149	[9931, 10085]
2500	[4142, 4143]	5050	[6965, 4578]	7600	[6523, 2231]	10150	[8362, 9226]
2501	[4144, 1467]	5051	[1349, 3840]	7601	[5726, 4872]	10151	[621, 8347]
2502	[1526, 3079]	5052	[6966, 3083]	7602	[2865, 2316]	10152	[10181, 5026]
2503	[4145, 4146]	5053	[3685, 3286]	7603	[8422, 2486]	10153	[1898, 5592]
2504	[4147, 3192]	5054	[6967, 6968]	7604	[4794, 5485]	10154	[10182, 9274]
2505	[4148, 4149]	5055	[4715, 4066]	7605	[1964, 8985]	10155	[8775, 9113]
2506	[4150, 3382]	5056	[4223, 6969]	7606	[8986, 647]	10156	[9962, 10183]
2507	[89, 3587]	5057	[6970, 6971]	7607	[8987, 879]	10157	[6412, 10184]
2508	[4151, 3444]	5058	[6972, 4444]	7608	[8988, 8989]	10158	[10185, 10186]
2509	[4152, 4153]	5059	[3900, 6973]	7609	[2808, 2730]	10159	[598, 9161]
2510	[4154, 4155]	5060	[6974, 6975]	7610	[5864, 1933]	10160	[5715, 9913]

2511	[4156, 4157]	5061	[6976, 6977]	7611	[6159, 6036]	10161	[5482, 10187]
2512	[4158, 4159]	5062	[6978, 6979]	7612	[2750, 8990]	10162	[10188, 8488]
2513	[301, 4160]	5063	[370, 3682]	7613	[8991, 6250]	10163	[10189, 4385]
2514	[1605, 3466]	5064	[3036, 6879]	7614	[8992, 5584]	10164	[4397, 4425]
2515	[4161, 394]	5065	[6980, 6981]	7615	[8993, 8688]	10165	[9853, 1070]
2516	[4162, 4163]	5066	[6982, 4086]	7616	[5785, 158]	10166	[3704, 3173]
2517	[4164, 4165]	5067	[6983, 1429]	7617	[8739, 805]	10167	[4649, 7853]
2518	[4166, 348]	5068	[296, 6984]	7618	[8994, 5340]	10168	[10133, 3871]
2519	[4167, 4168]	5069	[3388, 6798]	7619	[6596, 569]	10169	[4439, 7569]
2520	[4169, 1117]	5070	[3647, 6985]	7620	[5289, 8995]	10170	[1666, 3717]
2521	[416, 4170]	5071	[4165, 3018]	7621	[8521, 648]	10171	[9875, 9613]
2522	[4171, 4172]	5072	[1557, 4165]	7622	[8996, 5728]	10172	[4224, 9835]
2523	[4173, 4174]	5073	[1211, 6986]	7623	[5048, 8997]	10173	[7339, 9845]
2524	[4175, 4176]	5074	[6987, 6988]	7624	[8998, 878]	10174	[10190, 7617]
2525	[4177, 4178]	5075	[6989, 1696]	7625	[8999, 5773]	10175	[1243, 9465]
2526	[4179, 4180]	5076	[6990, 6991]	7626	[9000, 5378]	10176	[10191, 7752]
2527	[4181, 4182]	5077	[6992, 3550]	7627	[2711, 5404]	10177	[1340, 9381]
2528	[4183, 1508]	5078	[6993, 6994]	7628	[9001, 2798]	10178	[3755, 9626]
2529	[4184, 4185]	5079	[3705, 3309]	7629	[9002, 9003]	10179	[3459, 9831]
2530	[347, 4186]	5080	[6995, 6996]	7630	[1974, 6292]	10180	[10192, 9868]
2531	[4187, 1293]	5081	[6997, 6998]	7631	[9004, 6162]	10181	[3834, 6932]
2532	[4188, 4189]	5082	[1491, 3087]	7632	[9005, 620]	10182	[4134, 9855]
2533	[4190, 4191]	5083	[6999, 7000]	7633	[9006, 9007]	10183	[7306, 6708]
2534	[3577, 4192]	5084	[3529, 7001]	7634	[9008, 6539]	10184	[10193, 341]
2535	[4193, 3334]	5085	[7002, 7003]	7635	[9009, 5984]	10185	[7197, 1031]
2536	[3103, 4194]	5086	[7004, 3587]	7636	[2026, 6541]	10186	[7984, 1272]
2537	[4195, 256]	5087	[7005, 3688]	7637	[9010, 9011]	10187	[10194, 10195]
2538	[4196, 4197]	5088	[4294, 6735]	7638	[5641, 8934]	10188	[7450, 9861]
2539	[3379, 1544]	5089	[4548, 7006]	7639	[9012, 8431]	10189	[493, 6328]
2540	[4172, 1274]	5090	[3496, 7007]	7640	[9013, 6054]	10190	[5388, 6606]
2541	[996, 4198]	5091	[7008, 7009]	7641	[9014, 8398]	10191	[2342, 8545]
2542	[4199, 4200]	5092	[3681, 371]	7642	[6122, 6596]	10192	[6226, 9893]
2543	[977, 4201]	5093	[7010, 7011]	7643	[2326, 1862]	10193	[9045, 10081]
2544	[3511, 4202]	5094	[1389, 7012]	7644	[9015, 9016]	10194	[6123, 9984]
2545	[4203, 4204]	5095	[4428, 7013]	7645	[9017, 5884]	10195	[10196, 5517]
2546	[4205, 4206]	5096	[7014, 7015]	7646	[5233, 739]	10196	[9530, 3141]
2547	[4207, 4208]	5097	[7016, 7017]	7647	[9018, 2441]		
2548	[4209, 3337]	5098	[7018, 3885]	7648	[9019, 942]		
2549	[4210, 3593]	5099	[1616, 7019]	7649	[8735, 8452]		

Output function $n \mapsto \tau(n)$:

n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$
0	0	1700	0	3400	0	5100	0	6800	1
1	0	1701	0	3401	1	5101	0	6801	1

2	0	1702	1	3402	0	5102	0	6802	1	8502	1
3	0	1703	1	3403	0	5103	1	6803	1	8503	0
4	1	1704	0	3404	0	5104	0	6804	0	8504	0
5	0	1705	1	3405	0	5105	0	6805	0	8505	0
6	0	1706	0	3406	0	5106	0	6806	0	8506	0
7	0	1707	0	3407	0	5107	1	6807	0	8507	0
8	1	1708	0	3408	0	5108	1	6808	0	8508	1
9	1	1709	0	3409	1	5109	0	6809	1	8509	0
10	0	1710	0	3410	1	5110	0	6810	1	8510	0
11	0	1711	1	3411	0	5111	1	6811	0	8511	1
12	0	1712	1	3412	1	5112	0	6812	0	8512	0
13	0	1713	0	3413	1	5113	1	6813	1	8513	0
14	0	1714	0	3414	1	5114	0	6814	0	8514	0
15	0	1715	0	3415	1	5115	1	6815	1	8515	1
16	0	1716	0	3416	1	5116	1	6816	1	8516	1
17	1	1717	1	3417	0	5117	1	6817	1	8517	1
18	0	1718	0	3418	0	5118	1	6818	0	8518	1
19	1	1719	0	3419	1	5119	1	6819	0	8519	1
20	1	1720	1	3420	1	5120	0	6820	1	8520	0
21	0	1721	1	3421	0	5121	0	6821	1	8521	0
22	0	1722	1	3422	0	5122	0	6822	1	8522	0
23	0	1723	0	3423	1	5123	1	6823	1	8523	1
24	0	1724	0	3424	0	5124	1	6824	0	8524	1
25	0	1725	1	3425	0	5125	1	6825	1	8525	0
26	0	1726	0	3426	0	5126	1	6826	1	8526	1
27	0	1727	1	3427	0	5127	0	6827	1	8527	1
28	0	1728	1	3428	1	5128	1	6828	0	8528	0
29	0	1729	1	3429	1	5129	0	6829	0	8529	0
30	0	1730	0	3430	1	5130	1	6830	1	8530	0
31	0	1731	1	3431	0	5131	0	6831	1	8531	0
32	0	1732	0	3432	0	5132	1	6832	0	8532	1
33	0	1733	0	3433	0	5133	1	6833	0	8533	0
34	0	1734	1	3434	1	5134	1	6834	1	8534	0
35	1	1735	0	3435	0	5135	0	6835	0	8535	0
36	0	1736	0	3436	1	5136	1	6836	1	8536	1
37	0	1737	0	3437	0	5137	0	6837	0	8537	1
38	0	1738	1	3438	0	5138	1	6838	0	8538	0
39	1	1739	1	3439	1	5139	1	6839	1	8539	0
40	0	1740	1	3440	1	5140	1	6840	0	8540	0
41	1	1741	0	3441	0	5141	1	6841	1	8541	1
42	1	1742	1	3442	1	5142	1	6842	0	8542	1
43	0	1743	0	3443	0	5143	1	6843	0	8543	0
44	1	1744	1	3444	1	5144	1	6844	1	8544	1
45	0	1745	0	3445	1	5145	1	6845	1	8545	1

46	0	1746	1	3446	0	5146	0	6846	0	8546	0
47	0	1747	0	3447	0	5147	0	6847	0	8547	1
48	0	1748	0	3448	0	5148	1	6848	0	8548	0
49	0	1749	1	3449	0	5149	1	6849	1	8549	1
50	0	1750	0	3450	0	5150	1	6850	1	8550	1
51	0	1751	1	3451	0	5151	1	6851	1	8551	0
52	0	1752	0	3452	0	5152	0	6852	1	8552	0
53	0	1753	1	3453	1	5153	1	6853	1	8553	0
54	0	1754	1	3454	0	5154	0	6854	1	8554	0
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56	1	1756	0	3456	0	5156	0	6856	1	8556	0
57	0	1757	0	3457	1	5157	0	6857	1	8557	0
58	1	1758	0	3458	0	5158	1	6858	1	8558	0
59	0	1759	0	3459	0	5159	0	6859	1	8559	0
60	0	1760	0	3460	0	5160	1	6860	0	8560	1
61	0	1761	1	3461	0	5161	1	6861	1	8561	1
62	0	1762	1	3462	0	5162	0	6862	0	8562	0
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64	0	1764	1	3464	1	5164	0	6864	1	8564	0
65	0	1765	1	3465	0	5165	1	6865	0	8565	1
66	1	1766	1	3466	1	5166	0	6866	1	8566	0
67	0	1767	0	3467	0	5167	1	6867	1	8567	1
68	1	1768	0	3468	0	5168	1	6868	1	8568	1
69	0	1769	1	3469	0	5169	1	6869	0	8569	0
70	0	1770	0	3470	0	5170	1	6870	0	8570	0
71	1	1771	0	3471	1	5171	0	6871	0	8571	1
72	0	1772	1	3472	0	5172	0	6872	1	8572	0
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74	0	1774	1	3474	1	5174	1	6874	1	8574	1
75	0	1775	0	3475	1	5175	1	6875	0	8575	1
76	0	1776	1	3476	0	5176	0	6876	1	8576	0
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78	0	1778	0	3478	0	5178	0	6878	0	8578	1
79	1	1779	1	3479	0	5179	0	6879	1	8579	1
80	1	1780	0	3480	1	5180	0	6880	1	8580	1
81	0	1781	0	3481	1	5181	1	6881	0	8581	1
82	0	1782	1	3482	1	5182	0	6882	0	8582	0
83	1	1783	1	3483	0	5183	0	6883	1	8583	1
84	1	1784	0	3484	1	5184	1	6884	0	8584	0
85	1	1785	1	3485	0	5185	0	6885	0	8585	1
86	1	1786	0	3486	0	5186	1	6886	1	8586	0
87	0	1787	1	3487	1	5187	1	6887	1	8587	1
88	0	1788	1	3488	1	5188	1	6888	0	8588	0
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90	1	1790	1	3490	1	5190	1	6890	0	8590	1
91	0	1791	0	3491	1	5191	1	6891	0	8591	1
92	0	1792	1	3492	1	5192	1	6892	1	8592	0
93	0	1793	1	3493	1	5193	0	6893	0	8593	1
94	0	1794	1	3494	0	5194	0	6894	1	8594	0
95	0	1795	0	3495	0	5195	1	6895	1	8595	0
96	0	1796	1	3496	0	5196	0	6896	0	8596	1
97	0	1797	0	3497	1	5197	0	6897	1	8597	0
98	0	1798	0	3498	1	5198	1	6898	0	8598	0
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100	0	1800	0	3500	1	5200	0	6900	0	8600	1
101	0	1801	1	3501	0	5201	1	6901	1	8601	0
102	0	1802	1	3502	0	5202	1	6902	1	8602	0
103	0	1803	0	3503	0	5203	1	6903	1	8603	1
104	0	1804	1	3504	1	5204	1	6904	1	8604	0
105	0	1805	0	3505	1	5205	1	6905	0	8605	0
106	0	1806	0	3506	0	5206	0	6906	1	8606	1
107	0	1807	0	3507	1	5207	0	6907	1	8607	0
108	0	1808	1	3508	1	5208	0	6908	0	8608	1
109	1	1809	1	3509	1	5209	0	6909	0	8609	1
110	0	1810	0	3510	0	5210	1	6910	1	8610	0
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112	1	1812	1	3512	0	5212	1	6912	0	8612	1
113	1	1813	1	3513	1	5213	0	6913	0	8613	0
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115	1	1815	1	3515	1	5215	1	6915	1	8615	1
116	1	1816	0	3516	1	5216	1	6916	0	8616	0
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118	0	1818	0	3518	1	5218	1	6918	0	8618	0
119	1	1819	0	3519	1	5219	1	6919	1	8619	0
120	0	1820	0	3520	1	5220	0	6920	0	8620	0
121	0	1821	0	3521	0	5221	0	6921	0	8621	1
122	0	1822	0	3522	1	5222	0	6922	0	8622	0
123	0	1823	1	3523	1	5223	1	6923	1	8623	1
124	0	1824	0	3524	1	5224	0	6924	0	8624	0
125	1	1825	0	3525	1	5225	0	6925	0	8625	0
126	0	1826	1	3526	0	5226	1	6926	0	8626	0
127	0	1827	1	3527	1	5227	1	6927	1	8627	1
128	0	1828	0	3528	0	5228	1	6928	1	8628	1
129	1	1829	0	3529	0	5229	1	6929	1	8629	0
130	0	1830	1	3530	0	5230	1	6930	1	8630	1
131	1	1831	0	3531	1	5231	0	6931	1	8631	1
132	1	1832	1	3532	1	5232	0	6932	1	8632	1
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134	0	1834	0	3534	0	5234	0	6934	0	8634	1
135	1	1835	1	3535	1	5235	0	6935	0	8635	0
136	1	1836	1	3536	1	5236	1	6936	0	8636	1
137	1	1837	1	3537	1	5237	0	6937	0	8637	0
138	0	1838	0	3538	1	5238	0	6938	1	8638	0
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140	0	1840	0	3540	1	5240	0	6940	0	8640	1
141	1	1841	0	3541	0	5241	0	6941	1	8641	0
142	1	1842	0	3542	1	5242	1	6942	0	8642	1
143	1	1843	0	3543	0	5243	0	6943	0	8643	0
144	0	1844	1	3544	0	5244	0	6944	0	8644	0
145	0	1845	1	3545	1	5245	1	6945	0	8645	0
146	0	1846	0	3546	0	5246	1	6946	0	8646	0
147	1	1847	0	3547	0	5247	0	6947	0	8647	0
148	0	1848	0	3548	0	5248	1	6948	0	8648	1
149	0	1849	0	3549	0	5249	0	6949	0	8649	0
150	0	1850	1	3550	0	5250	1	6950	1	8650	1
151	0	1851	1	3551	1	5251	0	6951	0	8651	0
152	0	1852	1	3552	1	5252	1	6952	1	8652	1
153	0	1853	0	3553	1	5253	0	6953	1	8653	1
154	0	1854	0	3554	1	5254	0	6954	1	8654	1
155	0	1855	1	3555	0	5255	0	6955	1	8655	0
156	0	1856	0	3556	0	5256	0	6956	0	8656	1
157	0	1857	0	3557	1	5257	0	6957	1	8657	1
158	1	1858	0	3558	1	5258	1	6958	1	8658	1
159	1	1859	1	3559	1	5259	1	6959	1	8659	0
160	1	1860	1	3560	1	5260	1	6960	0	8660	1
161	1	1861	0	3561	1	5261	0	6961	0	8661	0
162	0	1862	0	3562	0	5262	0	6962	0	8662	1
163	1	1863	1	3563	1	5263	0	6963	0	8663	1
164	0	1864	0	3564	1	5264	1	6964	0	8664	0
165	1	1865	1	3565	1	5265	0	6965	1	8665	0
166	1	1866	1	3566	1	5266	1	6966	1	8666	0
167	1	1867	1	3567	1	5267	0	6967	1	8667	0
168	1	1868	0	3568	1	5268	0	6968	1	8668	1
169	1	1869	1	3569	0	5269	0	6969	0	8669	1
170	1	1870	0	3570	1	5270	1	6970	1	8670	0
171	0	1871	1	3571	0	5271	0	6971	1	8671	1
172	1	1872	1	3572	0	5272	1	6972	0	8672	1
173	0	1873	0	3573	1	5273	0	6973	1	8673	1
174	0	1874	0	3574	1	5274	1	6974	1	8674	0
175	1	1875	1	3575	1	5275	0	6975	1	8675	1
176	0	1876	1	3576	0	5276	1	6976	1	8676	0
177	1	1877	0	3577	0	5277	0	6977	1	8677	1

178	1	1878	1	3578	1	5278	0	6978	0	8678	0
179	0	1879	0	3579	1	5279	1	6979	1	8679	1
180	1	1880	1	3580	1	5280	0	6980	1	8680	1
181	0	1881	0	3581	1	5281	0	6981	1	8681	0
182	0	1882	0	3582	1	5282	1	6982	1	8682	0
183	1	1883	0	3583	1	5283	0	6983	1	8683	1
184	0	1884	1	3584	1	5284	0	6984	1	8684	1
185	1	1885	1	3585	1	5285	0	6985	1	8685	0
186	0	1886	1	3586	1	5286	0	6986	0	8686	1
187	1	1887	0	3587	0	5287	0	6987	1	8687	0
188	0	1888	0	3588	0	5288	0	6988	1	8688	1
189	1	1889	0	3589	1	5289	1	6989	0	8689	0
190	0	1890	0	3590	1	5290	0	6990	1	8690	0
191	1	1891	0	3591	1	5291	1	6991	1	8691	0
192	0	1892	0	3592	1	5292	1	6992	0	8692	1
193	1	1893	1	3593	0	5293	1	6993	1	8693	0
194	0	1894	1	3594	1	5294	0	6994	0	8694	1
195	1	1895	0	3595	0	5295	0	6995	0	8695	1
196	0	1896	1	3596	0	5296	0	6996	1	8696	1
197	1	1897	0	3597	1	5297	1	6997	0	8697	0
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199	1	1899	0	3599	0	5299	1	6999	0	8699	0
200	0	1900	1	3600	0	5300	0	7000	1	8700	0
201	1	1901	0	3601	0	5301	1	7001	0	8701	1
202	0	1902	1	3602	1	5302	1	7002	0	8702	1
203	0	1903	0	3603	1	5303	1	7003	0	8703	0
204	0	1904	1	3604	1	5304	1	7004	0	8704	1
205	0	1905	0	3605	0	5305	0	7005	0	8705	1
206	0	1906	0	3606	1	5306	1	7006	1	8706	0
207	1	1907	1	3607	0	5307	1	7007	1	8707	0
208	0	1908	0	3608	0	5308	0	7008	1	8708	0
209	0	1909	1	3609	1	5309	0	7009	1	8709	0
210	0	1910	1	3610	1	5310	1	7010	1	8710	0
211	1	1911	0	3611	0	5311	1	7011	0	8711	0
212	0	1912	0	3612	1	5312	0	7012	0	8712	1
213	0	1913	0	3613	1	5313	1	7013	0	8713	0
214	0	1914	1	3614	1	5314	1	7014	0	8714	0
215	1	1915	0	3615	0	5315	0	7015	0	8715	1
216	0	1916	1	3616	1	5316	0	7016	1	8716	1
217	0	1917	0	3617	0	5317	1	7017	1	8717	0
218	1	1918	1	3618	0	5318	1	7018	1	8718	1
219	0	1919	0	3619	1	5319	0	7019	0	8719	1
220	0	1920	1	3620	0	5320	0	7020	0	8720	0
221	1	1921	1	3621	1	5321	0	7021	1	8721	1

222	0	1922	1	3622	0	5322	0	7022	0	8722	0
223	1	1923	1	3623	1	5323	0	7023	0	8723	0
224	1	1924	0	3624	1	5324	1	7024	1	8724	0
225	0	1925	1	3625	1	5325	0	7025	0	8725	1
226	1	1926	1	3626	1	5326	0	7026	1	8726	1
227	0	1927	0	3627	0	5327	1	7027	0	8727	1
228	0	1928	0	3628	0	5328	0	7028	0	8728	1
229	0	1929	0	3629	1	5329	0	7029	0	8729	0
230	1	1930	1	3630	1	5330	1	7030	0	8730	0
231	1	1931	1	3631	1	5331	0	7031	1	8731	1
232	1	1932	1	3632	1	5332	1	7032	1	8732	0
233	1	1933	0	3633	0	5333	0	7033	1	8733	0
234	1	1934	0	3634	1	5334	0	7034	0	8734	1
235	0	1935	0	3635	1	5335	1	7035	1	8735	0
236	0	1936	0	3636	1	5336	1	7036	0	8736	0
237	1	1937	1	3637	1	5337	0	7037	1	8737	1
238	1	1938	1	3638	0	5338	1	7038	1	8738	0
239	1	1939	1	3639	1	5339	1	7039	0	8739	0
240	0	1940	0	3640	1	5340	1	7040	1	8740	1
241	0	1941	0	3641	1	5341	0	7041	0	8741	0
242	0	1942	1	3642	1	5342	0	7042	0	8742	1
243	0	1943	1	3643	0	5343	0	7043	1	8743	0
244	0	1944	1	3644	1	5344	0	7044	1	8744	1
245	0	1945	0	3645	1	5345	1	7045	1	8745	1
246	0	1946	0	3646	0	5346	1	7046	1	8746	1
247	1	1947	0	3647	1	5347	1	7047	1	8747	1
248	0	1948	1	3648	1	5348	0	7048	0	8748	0
249	1	1949	1	3649	1	5349	0	7049	1	8749	0
250	0	1950	1	3650	1	5350	0	7050	1	8750	0
251	0	1951	0	3651	1	5351	1	7051	1	8751	0
252	0	1952	1	3652	0	5352	0	7052	1	8752	0
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254	1	1954	1	3654	0	5354	1	7054	1	8754	1
255	0	1955	0	3655	0	5355	0	7055	1	8755	0
256	0	1956	1	3656	0	5356	1	7056	1	8756	1
257	1	1957	1	3657	0	5357	0	7057	0	8757	1
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260	1	1960	1	3660	0	5360	0	7060	1	8760	1
261	1	1961	1	3661	0	5361	0	7061	0	8761	0
262	1	1962	1	3662	1	5362	0	7062	1	8762	0
263	1	1963	0	3663	1	5363	1	7063	1	8763	1
264	0	1964	1	3664	1	5364	1	7064	1	8764	1
265	0	1965	1	3665	1	5365	0	7065	1	8765	0

266	0	1966	0	3666	0	5366	1	7066	0	8766	1
267	1	1967	0	3667	0	5367	0	7067	0	8767	1
268	1	1968	1	3668	0	5368	1	7068	1	8768	0
269	1	1969	0	3669	0	5369	0	7069	0	8769	0
270	1	1970	1	3670	0	5370	0	7070	1	8770	0
271	0	1971	0	3671	0	5371	0	7071	0	8771	1
272	1	1972	0	3672	1	5372	0	7072	1	8772	1
273	1	1973	0	3673	1	5373	0	7073	1	8773	1
274	0	1974	0	3674	1	5374	1	7074	0	8774	1
275	0	1975	1	3675	0	5375	1	7075	0	8775	0
276	1	1976	0	3676	0	5376	0	7076	0	8776	1
277	1	1977	1	3677	1	5377	1	7077	1	8777	0
278	0	1978	1	3678	0	5378	0	7078	0	8778	1
279	0	1979	0	3679	0	5379	0	7079	0	8779	1
280	1	1980	0	3680	0	5380	1	7080	1	8780	1
281	1	1981	1	3681	1	5381	0	7081	0	8781	1
282	0	1982	0	3682	0	5382	1	7082	0	8782	0
283	1	1983	0	3683	1	5383	0	7083	0	8783	1
284	1	1984	0	3684	1	5384	0	7084	0	8784	0
285	0	1985	0	3685	0	5385	1	7085	1	8785	0
286	0	1986	1	3686	1	5386	1	7086	1	8786	1
287	0	1987	0	3687	0	5387	0	7087	1	8787	0
288	0	1988	1	3688	1	5388	0	7088	0	8788	0
289	0	1989	0	3689	0	5389	0	7089	1	8789	0
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291	1	1991	1	3691	1	5391	1	7091	0	8791	1
292	1	1992	0	3692	1	5392	1	7092	1	8792	1
293	1	1993	0	3693	0	5393	1	7093	1	8793	1
294	0	1994	0	3694	0	5394	1	7094	0	8794	1
295	1	1995	0	3695	0	5395	0	7095	1	8795	1
296	0	1996	0	3696	0	5396	1	7096	0	8796	1
297	0	1997	0	3697	0	5397	1	7097	1	8797	0
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299	0	1999	0	3699	1	5399	0	7099	1	8799	0
300	0	2000	0	3700	1	5400	0	7100	1	8800	0
301	0	2001	0	3701	1	5401	1	7101	0	8801	1
302	0	2002	0	3702	0	5402	1	7102	0	8802	1
303	0	2003	1	3703	0	5403	1	7103	1	8803	0
304	0	2004	0	3704	1	5404	0	7104	1	8804	0
305	0	2005	0	3705	0	5405	0	7105	1	8805	0
306	0	2006	1	3706	1	5406	1	7106	1	8806	0
307	0	2007	1	3707	1	5407	1	7107	1	8807	0
308	0	2008	0	3708	1	5408	1	7108	1	8808	1
309	0	2009	1	3709	1	5409	0	7109	1	8809	1

310	1	2010	1	3710	0	5410	1	7110	0	8810	1
311	1	2011	0	3711	0	5411	0	7111	0	8811	0
312	1	2012	1	3712	0	5412	0	7112	0	8812	0
313	1	2013	0	3713	0	5413	1	7113	0	8813	1
314	1	2014	0	3714	0	5414	0	7114	1	8814	0
315	0	2015	0	3715	0	5415	0	7115	1	8815	0
316	1	2016	1	3716	1	5416	1	7116	0	8816	0
317	1	2017	1	3717	1	5417	0	7117	1	8817	1
318	0	2018	1	3718	1	5418	1	7118	1	8818	0
319	1	2019	0	3719	1	5419	1	7119	1	8819	1
320	1	2020	1	3720	0	5420	1	7120	1	8820	0
321	1	2021	1	3721	1	5421	1	7121	1	8821	0
322	0	2022	0	3722	1	5422	0	7122	1	8822	0
323	1	2023	1	3723	1	5423	1	7123	1	8823	0
324	1	2024	1	3724	1	5424	1	7124	1	8824	1
325	0	2025	0	3725	0	5425	1	7125	0	8825	0
326	1	2026	1	3726	1	5426	0	7126	0	8826	1
327	1	2027	0	3727	0	5427	1	7127	0	8827	0
328	1	2028	1	3728	0	5428	1	7128	1	8828	0
329	1	2029	0	3729	0	5429	1	7129	1	8829	0
330	1	2030	0	3730	0	5430	0	7130	0	8830	1
331	1	2031	1	3731	1	5431	0	7131	0	8831	1
332	1	2032	0	3732	1	5432	1	7132	1	8832	1
333	0	2033	0	3733	0	5433	1	7133	1	8833	0
334	1	2034	1	3734	0	5434	1	7134	0	8834	1
335	0	2035	0	3735	0	5435	1	7135	1	8835	1
336	0	2036	0	3736	0	5436	0	7136	0	8836	0
337	0	2037	0	3737	1	5437	1	7137	1	8837	1
338	1	2038	1	3738	0	5438	1	7138	0	8838	0
339	0	2039	0	3739	1	5439	1	7139	1	8839	0
340	0	2040	0	3740	1	5440	1	7140	1	8840	0
341	1	2041	0	3741	0	5441	1	7141	0	8841	1
342	0	2042	1	3742	0	5442	0	7142	1	8842	1
343	0	2043	0	3743	1	5443	1	7143	1	8843	0
344	1	2044	1	3744	1	5444	1	7144	0	8844	0
345	1	2045	0	3745	1	5445	1	7145	0	8845	1
346	0	2046	0	3746	1	5446	0	7146	0	8846	1
347	1	2047	1	3747	0	5447	0	7147	0	8847	1
348	1	2048	0	3748	0	5448	1	7148	0	8848	0
349	1	2049	1	3749	1	5449	0	7149	0	8849	1
350	1	2050	1	3750	1	5450	1	7150	1	8850	0
351	0	2051	0	3751	0	5451	1	7151	0	8851	0
352	0	2052	1	3752	0	5452	0	7152	0	8852	1
353	0	2053	0	3753	0	5453	0	7153	1	8853	1

354	1	2054	1	3754	1	5454	1	7154	1	8854	1
355	0	2055	1	3755	0	5455	0	7155	1	8855	0
356	0	2056	1	3756	0	5456	0	7156	1	8856	1
357	0	2057	0	3757	0	5457	0	7157	1	8857	1
358	0	2058	0	3758	0	5458	0	7158	1	8858	0
359	0	2059	0	3759	1	5459	1	7159	1	8859	1
360	1	2060	1	3760	1	5460	0	7160	0	8860	0
361	1	2061	1	3761	1	5461	1	7161	1	8861	1
362	0	2062	1	3762	1	5462	0	7162	0	8862	0
363	0	2063	1	3763	0	5463	1	7163	1	8863	0
364	1	2064	0	3764	0	5464	0	7164	1	8864	0
365	0	2065	1	3765	1	5465	0	7165	0	8865	1
366	0	2066	0	3766	1	5466	1	7166	0	8866	0
367	1	2067	1	3767	0	5467	1	7167	0	8867	1
368	1	2068	1	3768	0	5468	1	7168	0	8868	0
369	1	2069	0	3769	0	5469	1	7169	0	8869	1
370	0	2070	1	3770	1	5470	0	7170	1	8870	1
371	1	2071	0	3771	1	5471	1	7171	1	8871	1
372	1	2072	1	3772	0	5472	1	7172	0	8872	1
373	1	2073	1	3773	0	5473	0	7173	1	8873	1
374	0	2074	1	3774	1	5474	1	7174	1	8874	0
375	1	2075	0	3775	0	5475	1	7175	0	8875	1
376	1	2076	1	3776	0	5476	0	7176	0	8876	1
377	0	2077	1	3777	1	5477	0	7177	0	8877	1
378	0	2078	0	3778	1	5478	0	7178	0	8878	0
379	1	2079	0	3779	0	5479	1	7179	0	8879	0
380	1	2080	0	3780	0	5480	1	7180	0	8880	1
381	0	2081	0	3781	0	5481	1	7181	0	8881	1
382	1	2082	1	3782	1	5482	1	7182	0	8882	1
383	1	2083	0	3783	1	5483	0	7183	1	8883	1
384	1	2084	0	3784	1	5484	1	7184	0	8884	1
385	0	2085	1	3785	1	5485	1	7185	0	8885	0
386	1	2086	1	3786	1	5486	1	7186	0	8886	1
387	1	2087	1	3787	1	5487	1	7187	1	8887	1
388	1	2088	1	3788	1	5488	0	7188	1	8888	1
389	0	2089	0	3789	0	5489	1	7189	0	8889	0
390	0	2090	0	3790	1	5490	1	7190	1	8890	1
391	1	2091	1	3791	0	5491	1	7191	0	8891	0
392	1	2092	0	3792	0	5492	0	7192	0	8892	1
393	0	2093	0	3793	0	5493	1	7193	0	8893	0
394	1	2094	0	3794	1	5494	0	7194	1	8894	0
395	1	2095	1	3795	0	5495	0	7195	0	8895	1
396	0	2096	1	3796	0	5496	0	7196	0	8896	0
397	0	2097	0	3797	1	5497	1	7197	0	8897	0

398	1	2098	1	3798	1	5498	0	7198	1	8898	1
399	0	2099	1	3799	1	5499	1	7199	1	8899	0
400	0	2100	1	3800	0	5500	1	7200	0	8900	1
401	0	2101	1	3801	1	5501	1	7201	0	8901	1
402	0	2102	1	3802	1	5502	0	7202	0	8902	0
403	0	2103	1	3803	0	5503	0	7203	1	8903	0
404	1	2104	1	3804	1	5504	0	7204	0	8904	0
405	0	2105	1	3805	1	5505	0	7205	1	8905	1
406	0	2106	1	3806	1	5506	0	7206	1	8906	0
407	1	2107	1	3807	1	5507	0	7207	1	8907	0
408	1	2108	1	3808	1	5508	1	7208	0	8908	1
409	0	2109	1	3809	0	5509	0	7209	0	8909	1
410	0	2110	0	3810	0	5510	0	7210	1	8910	1
411	0	2111	1	3811	0	5511	0	7211	1	8911	1
412	1	2112	1	3812	1	5512	0	7212	0	8912	0
413	0	2113	1	3813	1	5513	1	7213	1	8913	1
414	1	2114	1	3814	0	5514	0	7214	0	8914	0
415	1	2115	1	3815	0	5515	0	7215	0	8915	0
416	1	2116	1	3816	0	5516	0	7216	1	8916	1
417	0	2117	0	3817	0	5517	1	7217	0	8917	1
418	0	2118	0	3818	1	5518	1	7218	0	8918	1
419	0	2119	1	3819	1	5519	0	7219	0	8919	0
420	1	2120	0	3820	0	5520	0	7220	1	8920	1
421	0	2121	1	3821	0	5521	0	7221	0	8921	1
422	1	2122	0	3822	1	5522	1	7222	0	8922	0
423	1	2123	0	3823	0	5523	1	7223	0	8923	0
424	1	2124	1	3824	0	5524	1	7224	1	8924	1
425	0	2125	0	3825	1	5525	0	7225	1	8925	0
426	0	2126	0	3826	0	5526	1	7226	1	8926	1
427	0	2127	1	3827	0	5527	1	7227	1	8927	1
428	0	2128	0	3828	0	5528	0	7228	1	8928	1
429	1	2129	0	3829	0	5529	1	7229	1	8929	0
430	1	2130	0	3830	1	5530	1	7230	1	8930	1
431	0	2131	0	3831	0	5531	0	7231	0	8931	1
432	0	2132	1	3832	0	5532	1	7232	0	8932	0
433	0	2133	1	3833	1	5533	1	7233	0	8933	0
434	0	2134	1	3834	1	5534	1	7234	0	8934	1
435	1	2135	1	3835	1	5535	1	7235	1	8935	0
436	1	2136	0	3836	1	5536	0	7236	1	8936	0
437	0	2137	1	3837	1	5537	1	7237	1	8937	1
438	1	2138	0	3838	0	5538	0	7238	1	8938	0
439	1	2139	1	3839	1	5539	1	7239	1	8939	1
440	1	2140	1	3840	0	5540	1	7240	0	8940	0
441	1	2141	1	3841	1	5541	0	7241	1	8941	0

442	0	2142	1	3842	1	5542	0	7242	1	8942	1
443	0	2143	1	3843	0	5543	1	7243	0	8943	1
444	0	2144	1	3844	1	5544	1	7244	1	8944	0
445	1	2145	1	3845	0	5545	1	7245	0	8945	1
446	0	2146	0	3846	0	5546	1	7246	1	8946	1
447	0	2147	1	3847	1	5547	1	7247	1	8947	1
448	0	2148	0	3848	1	5548	1	7248	1	8948	0
449	0	2149	1	3849	1	5549	0	7249	1	8949	1
450	1	2150	0	3850	0	5550	0	7250	0	8950	0
451	0	2151	1	3851	0	5551	1	7251	0	8951	0
452	0	2152	1	3852	1	5552	1	7252	1	8952	0
453	1	2153	1	3853	0	5553	1	7253	1	8953	0
454	1	2154	1	3854	0	5554	1	7254	1	8954	0
455	1	2155	1	3855	0	5555	1	7255	0	8955	1
456	0	2156	1	3856	1	5556	0	7256	0	8956	0
457	1	2157	1	3857	1	5557	0	7257	0	8957	0
458	0	2158	0	3858	0	5558	0	7258	1	8958	1
459	1	2159	0	3859	0	5559	0	7259	0	8959	1
460	1	2160	1	3860	0	5560	0	7260	0	8960	1
461	1	2161	1	3861	0	5561	1	7261	0	8961	0
462	1	2162	1	3862	0	5562	0	7262	1	8962	0
463	0	2163	1	3863	0	5563	0	7263	1	8963	1
464	0	2164	0	3864	1	5564	0	7264	1	8964	0
465	0	2165	1	3865	1	5565	0	7265	0	8965	0
466	1	2166	0	3866	0	5566	0	7266	0	8966	1
467	1	2167	0	3867	1	5567	1	7267	0	8967	1
468	1	2168	0	3868	0	5568	0	7268	1	8968	0
469	1	2169	1	3869	0	5569	1	7269	1	8969	1
470	1	2170	0	3870	0	5570	0	7270	0	8970	0
471	1	2171	0	3871	0	5571	1	7271	1	8971	0
472	0	2172	1	3872	1	5572	1	7272	1	8972	0
473	0	2173	1	3873	0	5573	1	7273	1	8973	1
474	0	2174	0	3874	1	5574	0	7274	0	8974	0
475	0	2175	0	3875	0	5575	0	7275	1	8975	1
476	0	2176	0	3876	0	5576	1	7276	0	8976	1
477	0	2177	0	3877	1	5577	1	7277	1	8977	0
478	1	2178	0	3878	0	5578	0	7278	1	8978	1
479	0	2179	0	3879	1	5579	1	7279	1	8979	1
480	1	2180	1	3880	0	5580	0	7280	1	8980	0
481	0	2181	0	3881	0	5581	0	7281	1	8981	1
482	1	2182	1	3882	1	5582	0	7282	1	8982	0
483	0	2183	0	3883	1	5583	0	7283	1	8983	1
484	0	2184	1	3884	1	5584	1	7284	1	8984	0
485	0	2185	1	3885	1	5585	0	7285	0	8985	0

486	1	2186	1	3886	0	5586	0	7286	0	8986	0
487	1	2187	0	3887	1	5587	1	7287	0	8987	1
488	0	2188	1	3888	0	5588	1	7288	1	8988	0
489	0	2189	1	3889	0	5589	1	7289	1	8989	1
490	1	2190	0	3890	0	5590	0	7290	1	8990	1
491	1	2191	1	3891	0	5591	1	7291	1	8991	1
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493	0	2193	0	3893	0	5593	0	7293	0	8993	1
494	1	2194	0	3894	1	5594	1	7294	1	8994	0
495	0	2195	0	3895	1	5595	0	7295	0	8995	1
496	0	2196	0	3896	1	5596	0	7296	0	8996	0
497	0	2197	0	3897	0	5597	0	7297	1	8997	1
498	1	2198	0	3898	0	5598	0	7298	1	8998	0
499	1	2199	0	3899	0	5599	1	7299	1	8999	0
500	0	2200	1	3900	1	5600	0	7300	0	9000	0
501	1	2201	1	3901	1	5601	0	7301	0	9001	1
502	0	2202	1	3902	0	5602	1	7302	0	9002	0
503	1	2203	1	3903	1	5603	0	7303	0	9003	0
504	1	2204	0	3904	0	5604	1	7304	0	9004	1
505	0	2205	0	3905	1	5605	1	7305	1	9005	0
506	1	2206	0	3906	1	5606	1	7306	0	9006	0
507	0	2207	1	3907	1	5607	0	7307	1	9007	1
508	0	2208	1	3908	1	5608	1	7308	1	9008	1
509	0	2209	1	3909	0	5609	1	7309	0	9009	1
510	1	2210	0	3910	0	5610	1	7310	0	9010	1
511	0	2211	1	3911	1	5611	1	7311	1	9011	0
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514	1	2214	1	3914	1	5614	0	7314	0	9014	0
515	0	2215	1	3915	1	5615	0	7315	0	9015	0
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517	1	2217	0	3917	0	5617	1	7317	0	9017	1
518	0	2218	1	3918	0	5618	0	7318	1	9018	0
519	0	2219	0	3919	0	5619	1	7319	1	9019	0
520	0	2220	1	3920	0	5620	1	7320	0	9020	0
521	1	2221	0	3921	0	5621	1	7321	0	9021	0
522	0	2222	1	3922	0	5622	1	7322	0	9022	1
523	0	2223	1	3923	1	5623	0	7323	1	9023	0
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525	1	2225	0	3925	0	5625	1	7325	0	9025	1
526	1	2226	1	3926	1	5626	1	7326	0	9026	0
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531	1	2231	0	3931	0	5631	1	7331	1	9031	0
532	0	2232	0	3932	1	5632	0	7332	1	9032	1
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536	1	2236	1	3936	1	5636	1	7336	1	9036	1
537	0	2237	0	3937	0	5637	1	7337	0	9037	1
538	0	2238	1	3938	0	5638	0	7338	1	9038	1
539	0	2239	1	3939	0	5639	0	7339	1	9039	0
540	0	2240	0	3940	0	5640	0	7340	1	9040	0
541	0	2241	0	3941	0	5641	0	7341	0	9041	1
542	1	2242	0	3942	0	5642	0	7342	0	9042	1
543	1	2243	0	3943	1	5643	0	7343	0	9043	1
544	0	2244	1	3944	1	5644	0	7344	1	9044	1
545	0	2245	0	3945	0	5645	1	7345	0	9045	1
546	1	2246	1	3946	0	5646	1	7346	1	9046	1
547	0	2247	0	3947	1	5647	1	7347	0	9047	1
548	1	2248	1	3948	1	5648	1	7348	0	9048	1
549	1	2249	1	3949	1	5649	1	7349	0	9049	1
550	1	2250	0	3950	0	5650	0	7350	0	9050	1
551	1	2251	0	3951	1	5651	1	7351	0	9051	0
552	0	2252	1	3952	1	5652	1	7352	1	9052	0
553	0	2253	1	3953	0	5653	0	7353	1	9053	1
554	1	2254	1	3954	0	5654	0	7354	0	9054	0
555	1	2255	0	3955	1	5655	1	7355	1	9055	1
556	1	2256	1	3956	1	5656	0	7356	1	9056	0
557	1	2257	1	3957	1	5657	1	7357	1	9057	0
558	0	2258	0	3958	0	5658	0	7358	1	9058	1
559	0	2259	0	3959	0	5659	1	7359	1	9059	1
560	0	2260	0	3960	1	5660	0	7360	0	9060	1
561	1	2261	0	3961	1	5661	0	7361	1	9061	1
562	0	2262	1	3962	0	5662	0	7362	1	9062	0
563	1	2263	1	3963	0	5663	0	7363	0	9063	1
564	0	2264	1	3964	1	5664	0	7364	0	9064	1
565	0	2265	1	3965	1	5665	1	7365	1	9065	0
566	0	2266	1	3966	0	5666	1	7366	1	9066	0
567	0	2267	1	3967	0	5667	0	7367	1	9067	1
568	1	2268	1	3968	0	5668	0	7368	1	9068	0
569	1	2269	0	3969	0	5669	0	7369	0	9069	0
570	0	2270	1	3970	0	5670	1	7370	0	9070	1
571	1	2271	0	3971	0	5671	0	7371	0	9071	1
572	1	2272	0	3972	0	5672	1	7372	1	9072	0
573	1	2273	1	3973	0	5673	0	7373	1	9073	1

574	1	2274	0	3974	0	5674	1	7374	1	9074	0
575	0	2275	1	3975	0	5675	1	7375	0	9075	0
576	0	2276	0	3976	0	5676	0	7376	1	9076	0
577	1	2277	1	3977	1	5677	0	7377	1	9077	0
578	0	2278	0	3978	1	5678	1	7378	0	9078	1
579	0	2279	0	3979	0	5679	1	7379	1	9079	1
580	0	2280	0	3980	1	5680	1	7380	1	9080	0
581	0	2281	0	3981	0	5681	1	7381	1	9081	0
582	1	2282	0	3982	1	5682	0	7382	1	9082	1
583	1	2283	1	3983	1	5683	1	7383	0	9083	1
584	0	2284	1	3984	1	5684	1	7384	1	9084	0
585	0	2285	1	3985	1	5685	1	7385	1	9085	0
586	0	2286	0	3986	0	5686	0	7386	1	9086	1
587	1	2287	0	3987	0	5687	1	7387	1	9087	1
588	0	2288	0	3988	0	5688	0	7388	0	9088	1
589	1	2289	0	3989	0	5689	0	7389	0	9089	0
590	0	2290	0	3990	1	5690	1	7390	1	9090	1
591	1	2291	1	3991	1	5691	1	7391	1	9091	1
592	1	2292	0	3992	1	5692	0	7392	0	9092	1
593	0	2293	1	3993	1	5693	1	7393	1	9093	0
594	0	2294	1	3994	0	5694	1	7394	1	9094	1
595	0	2295	0	3995	1	5695	0	7395	1	9095	1
596	1	2296	1	3996	1	5696	0	7396	0	9096	0
597	0	2297	1	3997	1	5697	1	7397	0	9097	0
598	0	2298	0	3998	1	5698	0	7398	1	9098	1
599	0	2299	1	3999	0	5699	1	7399	1	9099	0
600	0	2300	1	4000	0	5700	0	7400	0	9100	0
601	0	2301	0	4001	0	5701	0	7401	0	9101	1
602	1	2302	0	4002	1	5702	1	7402	1	9102	1
603	1	2303	0	4003	1	5703	0	7403	1	9103	1
604	1	2304	1	4004	0	5704	0	7404	0	9104	0
605	1	2305	1	4005	1	5705	1	7405	1	9105	0
606	1	2306	1	4006	1	5706	1	7406	1	9106	0
607	1	2307	0	4007	0	5707	1	7407	1	9107	1
608	0	2308	0	4008	1	5708	1	7408	1	9108	0
609	1	2309	0	4009	0	5709	1	7409	1	9109	0
610	0	2310	1	4010	1	5710	0	7410	1	9110	0
611	0	2311	0	4011	0	5711	0	7411	1	9111	1
612	1	2312	0	4012	0	5712	0	7412	0	9112	0
613	1	2313	1	4013	1	5713	1	7413	1	9113	1
614	1	2314	1	4014	1	5714	1	7414	1	9114	0
615	1	2315	0	4015	1	5715	0	7415	1	9115	0
616	0	2316	1	4016	1	5716	0	7416	0	9116	1
617	0	2317	0	4017	1	5717	1	7417	1	9117	0

618	1	2318	1	4018	0	5718	1	7418	1	9118	1
619	1	2319	1	4019	0	5719	1	7419	1	9119	1
620	0	2320	1	4020	0	5720	1	7420	1	9120	0
621	1	2321	1	4021	0	5721	1	7421	1	9121	1
622	0	2322	1	4022	0	5722	0	7422	0	9122	0
623	1	2323	0	4023	1	5723	1	7423	0	9123	0
624	1	2324	0	4024	0	5724	0	7424	0	9124	1
625	0	2325	1	4025	0	5725	1	7425	0	9125	0
626	1	2326	1	4026	1	5726	0	7426	1	9126	1
627	1	2327	1	4027	0	5727	1	7427	1	9127	1
628	1	2328	0	4028	1	5728	0	7428	1	9128	0
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636	1	2336	1	4036	1	5736	1	7436	1	9136	1
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642	1	2342	0	4042	1	5742	0	7442	0	9142	0
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647	1	2347	0	4047	1	5747	1	7447	0	9147	1
648	0	2348	0	4048	1	5748	0	7448	1	9148	0
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650	0	2350	1	4050	0	5750	0	7450	0	9150	0
651	0	2351	0	4051	1	5751	0	7451	0	9151	1
652	0	2352	0	4052	1	5752	0	7452	0	9152	0
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667	1	2367	1	4067	0	5767	1	7467	1	9167	1
668	1	2368	0	4068	0	5768	1	7468	1	9168	1
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671	1	2371	0	4071	1	5771	0	7471	0	9171	1
672	1	2372	0	4072	1	5772	1	7472	0	9172	1
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674	1	2374	1	4074	0	5774	1	7474	1	9174	0
675	1	2375	0	4075	0	5775	1	7475	1	9175	0
676	0	2376	0	4076	1	5776	1	7476	1	9176	1
677	1	2377	1	4077	0	5777	1	7477	1	9177	1
678	1	2378	0	4078	1	5778	0	7478	1	9178	0
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680	1	2380	0	4080	0	5780	1	7480	0	9180	0
681	0	2381	0	4081	1	5781	1	7481	0	9181	0
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687	0	2387	0	4087	1	5787	0	7487	0	9187	0
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695	0	2395	1	4095	0	5795	1	7495	1	9195	0
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703	0	2403	1	4103	0	5803	1	7503	1	9203	1
704	1	2404	1	4104	1	5804	1	7504	0	9204	0
705	0	2405	1	4105	0	5805	0	7505	1	9205	0

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707	0	2407	0	4107	1	5807	1	7507	0	9207	1
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716	0	2416	1	4116	0	5816	1	7516	1	9216	1
717	0	2417	0	4117	1	5817	1	7517	0	9217	0
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719	0	2419	0	4119	0	5819	1	7519	1	9219	1
720	1	2420	1	4120	0	5820	1	7520	1	9220	1
721	0	2421	0	4121	0	5821	1	7521	1	9221	0
722	1	2422	0	4122	0	5822	0	7522	1	9222	1
723	0	2423	0	4123	1	5823	1	7523	0	9223	1
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725	0	2425	0	4125	1	5825	0	7525	1	9225	1
726	1	2426	0	4126	1	5826	0	7526	0	9226	0
727	1	2427	0	4127	0	5827	0	7527	0	9227	0
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729	0	2429	0	4129	0	5829	1	7529	0	9229	0
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731	0	2431	1	4131	0	5831	1	7531	1	9231	1
732	0	2432	1	4132	1	5832	0	7532	1	9232	1
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738	0	2438	1	4138	0	5838	1	7538	1	9238	0
739	1	2439	1	4139	0	5839	0	7539	1	9239	1
740	1	2440	0	4140	1	5840	0	7540	0	9240	0
741	0	2441	1	4141	0	5841	1	7541	1	9241	1
742	1	2442	0	4142	0	5842	1	7542	0	9242	1
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746	1	2446	0	4146	1	5846	1	7546	0	9246	0
747	1	2447	0	4147	0	5847	0	7547	0	9247	0
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761	1	2461	1	4161	1	5861	0	7561	0	9261	1
762	0	2462	0	4162	0	5862	0	7562	1	9262	0
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765	0	2465	1	4165	0	5865	0	7565	1	9265	0
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767	0	2467	0	4167	0	5867	1	7567	0	9267	1
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770	0	2470	1	4170	1	5870	1	7570	0	9270	1
771	0	2471	1	4171	1	5871	0	7571	0	9271	1
772	1	2472	0	4172	1	5872	0	7572	0	9272	0
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774	0	2474	0	4174	0	5874	0	7574	0	9274	0
775	0	2475	1	4175	1	5875	0	7575	0	9275	0
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782	0	2482	1	4182	0	5882	1	7582	0	9282	1
783	0	2483	0	4183	0	5883	0	7583	0	9283	1
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787	1	2487	0	4187	1	5887	1	7587	0	9287	0
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842	1	2542	1	4242	0	5942	0	7642	1	9342	0
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844	1	2544	0	4244	1	5944	1	7644	0	9344	1
845	1	2545	0	4245	1	5945	1	7645	1	9345	0
846	0	2546	1	4246	1	5946	0	7646	1	9346	0
847	1	2547	0	4247	1	5947	1	7647	0	9347	0
848	0	2548	0	4248	0	5948	1	7648	0	9348	0
849	1	2549	1	4249	1	5949	0	7649	0	9349	1
850	0	2550	0	4250	1	5950	1	7650	0	9350	0
851	0	2551	0	4251	1	5951	0	7651	0	9351	0
852	0	2552	1	4252	1	5952	0	7652	0	9352	1
853	0	2553	0	4253	1	5953	1	7653	1	9353	1
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855	0	2555	0	4255	0	5955	0	7655	1	9355	0
856	0	2556	1	4256	0	5956	1	7656	1	9356	0
857	1	2557	0	4257	1	5957	1	7657	1	9357	0
858	0	2558	0	4258	1	5958	1	7658	1	9358	1
859	0	2559	0	4259	1	5959	0	7659	1	9359	1
860	0	2560	1	4260	1	5960	0	7660	0	9360	1
861	0	2561	0	4261	0	5961	1	7661	0	9361	0
862	0	2562	1	4262	0	5962	0	7662	0	9362	0
863	0	2563	1	4263	1	5963	1	7663	0	9363	1
864	0	2564	0	4264	1	5964	0	7664	1	9364	1
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866	0	2566	1	4266	0	5966	1	7666	0	9366	0
867	1	2567	1	4267	1	5967	1	7667	0	9367	1
868	1	2568	1	4268	1	5968	1	7668	1	9368	1
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870	1	2570	1	4270	1	5970	0	7670	1	9370	1
871	0	2571	1	4271	0	5971	0	7671	1	9371	0
872	0	2572	0	4272	0	5972	0	7672	0	9372	1
873	1	2573	1	4273	1	5973	0	7673	0	9373	1
874	0	2574	0	4274	0	5974	0	7674	1	9374	0
875	1	2575	0	4275	1	5975	1	7675	0	9375	0
876	0	2576	1	4276	1	5976	1	7676	1	9376	0
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880	1	2580	0	4280	1	5980	0	7680	1	9380	0
881	1	2581	1	4281	1	5981	0	7681	1	9381	0

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884	0	2584	0	4284	0	5984	1	7684	0	9384	1
885	1	2585	0	4285	0	5985	1	7685	1	9385	0
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887	1	2587	1	4287	1	5987	0	7687	1	9387	0
888	1	2588	0	4288	1	5988	0	7688	1	9388	1
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897	0	2597	0	4297	0	5997	1	7697	1	9397	1
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903	1	2603	1	4303	1	6003	0	7703	0	9403	1
904	1	2604	0	4304	0	6004	0	7704	0	9404	0
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906	1	2606	0	4306	0	6006	0	7706	1	9406	0
907	1	2607	1	4307	1	6007	1	7707	1	9407	0
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915	0	2615	1	4315	0	6015	0	7715	0	9415	0
916	0	2616	0	4316	0	6016	0	7716	1	9416	1
917	0	2617	0	4317	0	6017	0	7717	0	9417	1
918	0	2618	0	4318	0	6018	0	7718	1	9418	0
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920	0	2620	0	4320	1	6020	1	7720	1	9420	1
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943	1	2643	0	4343	0	6043	1	7743	0	9443	1
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973	0	2673	1	4373	0	6073	0	7773	1	9473	1
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981	0	2681	1	4381	0	6081	0	7781	0	9481	0
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1698	1	3398	0	5098	1	6798	1	8498	1		
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