

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

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

1. INTRODUCTION

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

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

as the limit of the finite continued fractions

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

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

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

admits a continued fraction expansion of form (1.1).

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

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

that we shall denote

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

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Theorem 1.1. *When $(a, b) = (z^2 + 1, z^5 + z^4 + z^2 + z + 1)$, the two power series $\text{CF}(a, b)$ and $\text{CF}(b, a)$ are algebraic over $\mathbb{F}_2(z)$, with minimal polynomials of the form*

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

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{18} + z^{16} + z^{15} + z^{14} + z^{13} + z^{12} + z^{10} + z^6 + z^5 + z^4 + z^3 + z^2 \\ &\quad + z + 1, \\ p_1(z) &= z^{26} + z^{24} + z^{23} + z^{21} + z^{20} + z^{18} + z^{17} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} \\ &\quad + z^8 + z^7 + z^2 + z, \\ p_2(z) &= z^{28} + z^{20} + z^{18} + z^{12} + z^2 + 1, \\ p_3(z) &= z^{26} + z^{24} + z^{23} + z^{21} + z^{20} + z^{18} + z^{17} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} \\ &\quad + z^8 + z^7 + z^2 + z, \\ p_4(z) &= z^{24} + z^{21} + z^{20} + z^{15} + z^{14} + z^{13} + z^{12} + z^{10} + z^6 + z^5 + z^4 + z^3 + z + 1 \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{18} + z^{15} + z^{14} + z^{13} + z^{12} + z^{10} + z^6 + z^5 + z^3 + z^2 + z + 1 \\ &\quad , \\ p_1(z) &= z^{26} + z^{24} + z^{23} + z^{21} + z^{20} + z^{18} + z^{17} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} \\ &\quad + z^8 + z^7 + z^2 + z, \\ p_2(z) &= z^{28} + z^{20} + z^{18} + z^{12} + z^2 + 1, \\ p_3(z) &= z^{26} + z^{24} + z^{23} + z^{21} + z^{20} + z^{18} + z^{17} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} \\ &\quad + z^8 + z^7 + z^2 + z, \\ p_4(z) &= z^{24} + z^{21} + z^{16} + z^{15} + z^{14} + z^{13} + z^{12} + z^{10} + z^6 + z^5 + z^3 + z + 1. \end{aligned}$$

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

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

$$\dots \times x^{\deg(\bar{t}_0)} \begin{pmatrix} \bar{t}_0(1/x) & 1 \\ 1 & 0 \end{pmatrix},$$

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,

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

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

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

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

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

of the vector

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

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

for $j > 1$, then there exists a unique solution $f(x) \in \mathbb{F}_2[[x]]$ of $P(x, f(x)) = 0$ that satisfies the initial condition $f_n(x) = \sum_{j=0}^{n-1} a_j x^j$.

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

Lemma 2.1. *We have*

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

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

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

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

Proof. We give the proof of the identity

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

the proofs of the others being similar.

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

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

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

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

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

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

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

Define

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

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

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

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

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

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

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

$$T[:14u] = T[:7u] + x^u T[:6u] + x^{2u} T[:5u] + x^{5u} T[:2u] + x^u T[:7u] + x^{2u} T[:6u]$$

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

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

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

which can be rewritten as

$$(2.7) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[111w]_2],$$

$$(2.8) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] + T[[1000w]_2],$$

$$0 = T[[w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2]$$

$$(2.9) \quad + T[[1001w]_2],$$

$$0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2]$$

$$(2.10) \quad + T[[110w]_2] + T[[1010w]_2],$$

$$(2.11) \quad 0 = T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] + T[[1011w]_2],$$

$$(2.12) \quad 0 = T[[100w]_2] + T[[110w]_2] + T[[1100w]_2],$$

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

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

$$(2.14) \quad 1 = T[[w]_2] + T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[111w]_2],$$

$$(2.15) \quad 1 = T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] + T[[1000w]_2],$$

$$0 = T[[w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2]$$

$$(2.16) \quad + T[[1001w]_2],$$

$$1 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2]$$

$$(2.17) \quad + T[[110w]_2] + T[[1010w]_2],$$

$$(2.18) \quad 1 = T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] + T[[1011w]_2],$$

$$(2.19) \quad 1 = T[[100w]_2] + T[[110w]_2] + T[[1100w]_2],$$

$$(2.20) \quad 1 = T[[w]_2] + T[[10w]_2] + T[[110w]_2] + T[[1101w]_2],$$

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 10217 states; its transition function and output function can be found in the annex. Let $A(s, w)$ denote the state reached after reading w from right to left starting from the state s , and τ the output function. Define

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

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

$$(2.21) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 111)), \end{aligned}$$

$$(2.22) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 1000)), \end{aligned}$$

$$(2.23) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 1001)), \end{aligned}$$

$$(2.24) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 1010)), \end{aligned}$$

$$(2.25) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 1011)), \end{aligned}$$

$$(2.26) \quad 0 = \tau(A(s, 100)) + \tau(A(s, 110)) + \tau(A(s, 1100)),$$

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

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

$$(2.28) \quad \begin{aligned} 1 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 111)), \end{aligned}$$

$$(2.29) \quad \begin{aligned} 1 &= \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\ &\quad + \tau(A(s, 1000)), \end{aligned}$$

$$(2.30) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 1001)), \end{aligned}$$

$$(2.31) \quad \begin{aligned} 1 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 110)) + \tau(A(s, 1010)), \end{aligned}$$

$$(2.32) \quad \begin{aligned} 1 &= \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 1011)), \end{aligned}$$

$$(2.33) \quad 1 = \tau(A(s, 100)) + \tau(A(s, 110)) + \tau(A(s, 1100)),$$

$$(2.34) \quad 1 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 110)) + \tau(A(s, 1101)),$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{34}), E_{34}) = (A(i, 0^{22}), E_{22})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 17$, which turns out to be true. $\square$

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

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

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

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

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

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

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

We give the proof of

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Define

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

where

$$\begin{aligned}q_0(x) &= x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} \\ &\quad + x^{12} + x^{10} + x^7, \\ q_1(x) &= x^{27} + x^{26} + x^{21} + x^{20} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^8 \\ &\quad + x^7 + x^5 + x^4 + x^2, \\ q_2(x) &= x^{28} + x^{26} + x^{16} + x^{10} + x^8 + 1, \\ q_3(x) &= x^{27} + x^{26} + x^{21} + x^{20} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^{11} + x^{10} + x^8 \\ &\quad + x^7 + x^5 + x^4 + x^2, \\ q_4(x) &= x^{28} + x^{27} + x^{25} + x^{24} + x^{23} + x^{22} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} + x^8 \\ &\quad + x^7 + x^4.\end{aligned}$$

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

3. ANNEXE

All 16 polynomials are of the form

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

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{150} + x^{138} + x^{136} + x^{130} + x^{128} + x^{122} + x^{118} + x^{108} \\
&\quad + x^{106} + x^{102} + x^{96} + x^{90} + x^{86} + x^{84} + x^{82} + x^{78} + x^{74} + x^{70} + x^{66} \\
&\quad + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{54} + x^{52} + x^{50} + x^{48} + x^{46} + x^{40} \\
&\quad + x^{34} + x^{32} + x^{30} + x^{28} + x^{24}, \\
p_3(x) &= x^{154} + x^{148} + x^{142} + x^{136} + x^{130} + x^{128} + x^{126} + x^{124} + x^{122} + x^{120} \\
&\quad + x^{114} + x^{112} + x^{108} + x^{106} + x^{104} + x^{100} + x^{94} + x^{92} + x^{88} + x^{80} \\
&\quad + x^{78} + x^{76} + x^{70} + x^{66} + x^{62} + x^{60} + x^{58} + x^{54} + x^{52} + x^{50} + x^{46} \\
&\quad + x^{44} + x^{42} + x^{38} + x^{36} + x^{32} + x^{30} + x^{24} + x^{18} + x^{16}, \\
p_6(x) &= x^{154} + x^{152} + x^{148} + x^{146} + x^{144} + x^{142} + x^{138} + x^{134} + x^{132} + x^{128} \\
&\quad + x^{126} + x^{122} + x^{120} + x^{118} + x^{108} + x^{106} + x^{104} + x^{100} + x^{98} + x^{94} \\
&\quad + x^{92} + x^{86} + x^{84} + x^{82} + x^{80} + x^{76} + x^{70} + x^{64} + x^{56} + x^{54} + x^{50} \\
&\quad + x^{48} + x^{44} + x^{40} + x^{38} + x^{36} + x^{34} + x^{32} + x^{30} + x^{24} + x^{22} + x^{20} \\
&\quad + x^{16} + x^{14} + x^{10} + 1, \\
p_9(x) &= x^{154} + x^{150} + x^{146} + x^{140} + x^{132} + x^{130} + x^{126} + x^{114} + x^{106} + x^{104} \\
&\quad + x^{102} + x^{100} + x^{96} + x^{94} + x^{88} + x^{86} + x^{84} + x^{80} + x^{78} + x^{76} + x^{72} \\
&\quad + x^{64} + x^{58} + x^{54} + x^{48} + x^{44} + x^{38} + x^{30} + x^{28} + x^{24} + x^{22} + x^{20} \\
&\quad + x^{18} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{156} + x^{152} + x^{148} + x^{144} + x^{140} + x^{136} + x^{124} + x^{120} + x^{116} + x^{112} \\
&\quad + x^{108} + x^{104} + x^{100} + x^{96} + x^{84} + x^{80} + x^{68} + x^{64} + x^{36} + x^{32} + x^{20} \\
&\quad + x^{16} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{142} + x^{140} + x^{139} + x^{135} + x^{134} + x^{133} + x^{132} + x^{129} \\
&\quad + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{116} + x^{115} \\
&\quad + x^{113} + x^{108} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} \\
&\quad + x^{97} + x^{96} + x^{95} + x^{91} + x^{88} + x^{87} + x^{86} + x^{82} + x^{81} + x^{79} + x^{76} \\
&\quad + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{61} + x^{60} + x^{59} + x^{58} \\
&\quad + x^{57} + x^{56} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{43} \\
&\quad + x^{38} + x^{37} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{138} + x^{136} + x^{135} + x^{134} + x^{133} + x^{132} + x^{126} + x^{123} + x^{122} + x^{120} \\
&\quad + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{110} + x^{107} + x^{106} + x^{82} + x^{80} \\
&\quad + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} + x^{69} + x^{68} + x^{67} + x^{63} \\
&\quad + x^{62} + x^{56} + x^{54} + x^{53} + x^{52} + x^{51} + x^{47} + x^{46} + x^{32} + x^{30} + x^{29} \\
&\quad + x^{28} + x^{27} + x^{26} + x^{22} + x^{19} + x^{18},
\end{aligned}$$

$$\begin{aligned}
p_6(x) &= x^{141} + x^{140} + x^{139} + x^{135} + x^{133} + x^{132} + x^{125} + x^{124} + x^{122} + x^{120} \\
&\quad + x^{117} + x^{115} + x^{114} + x^{109} + x^{108} + x^{107} + x^{103} + x^{101} + x^{100} \\
&\quad + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{90} + x^{88} + x^{84} + x^{83} \\
&\quad + x^{80} + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{66} + x^{65} + x^{62} + x^{61} \\
&\quad + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
&\quad + x^{42} + x^{41} + x^{39} + x^{37} + x^{35} + x^{32} + x^{28} + x^{26} + x^{22} + x^{20} + x^{16} \\
&\quad + x^{14} + x^{13} + x^{12}, \\
p_9(x) &= x^{144} + x^{141} + x^{137} + x^{136} + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{121} \\
&\quad + x^{120} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{109} + x^{108} + x^{104} \\
&\quad + x^{102} + x^{101} + x^{99} + x^{98} + x^{97} + x^{93} + x^{89} + x^{88} + x^{86} + x^{83} + x^{80} \\
&\quad + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{69} + x^{68} + x^{64} + x^{61} + x^{60} \\
&\quad + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{45} + x^{43} + x^{41} + x^{39} + x^{38} \\
&\quad + x^{37} + x^{33} + x^{32} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{14} \\
&\quad + x^{13} + x^{12} + x^{11} + x^7 + x^6, \\
p_{12}(x) &= x^{147} + x^{146} + x^{144} + x^{143} + x^{141} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} \\
&\quad + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} + x^{124} + x^{123} + x^{121} \\
&\quad + x^{119} + x^{117} + x^{114} + x^{113} + x^{112} + x^{99} + x^{98} + x^{96} + x^{95} + x^{93} \\
&\quad + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} + x^{81} + x^{78} + x^{77} + x^{76} \\
&\quad + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{63} + x^{62} + x^{60} + x^{59} + x^{57} \\
&\quad + x^{55} + x^{53} + x^{51} + x^{49} + x^{47} + x^{45} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} \\
&\quad + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} \\
&\quad + x^{20} + x^{15} + x^{14} + x^{12} + x^{11} + x^9 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{142} + x^{140} + x^{139} + x^{135} + x^{134} + x^{133} + x^{132} + x^{129} \\
&\quad + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{116} + x^{115} \\
&\quad + x^{113} + x^{108} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} \\
&\quad + x^{97} + x^{96} + x^{95} + x^{91} + x^{88} + x^{87} + x^{86} + x^{82} + x^{81} + x^{79} + x^{76} \\
&\quad + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{61} + x^{60} + x^{59} + x^{58} \\
&\quad + x^{57} + x^{56} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{43} \\
&\quad + x^{38} + x^{37} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{138} + x^{136} + x^{135} + x^{134} + x^{133} + x^{132} + x^{126} + x^{123} + x^{122} + x^{120} \\
&\quad + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{110} + x^{107} + x^{106} + x^{82} + x^{80} \\
&\quad + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} + x^{69} + x^{68} + x^{67} + x^{63} \\
&\quad + x^{62} + x^{56} + x^{54} + x^{53} + x^{52} + x^{51} + x^{47} + x^{46} + x^{32} + x^{30} + x^{29}
\end{aligned}$$

$$\begin{aligned}
& + x^{28} + x^{27} + x^{26} + x^{22} + x^{19} + x^{18}, \\
p_6(x) = & x^{141} + x^{140} + x^{139} + x^{135} + x^{133} + x^{132} + x^{125} + x^{124} + x^{122} + x^{120} \\
& + x^{117} + x^{115} + x^{114} + x^{109} + x^{108} + x^{107} + x^{103} + x^{101} + x^{100} \\
& + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{90} + x^{88} + x^{84} + x^{83} \\
& + x^{80} + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{66} + x^{65} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
& + x^{42} + x^{41} + x^{39} + x^{37} + x^{35} + x^{32} + x^{28} + x^{26} + x^{22} + x^{20} + x^{16} \\
& + x^{14} + x^{13} + x^{12}, \\
p_9(x) = & x^{144} + x^{141} + x^{137} + x^{136} + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{121} \\
& + x^{120} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{109} + x^{108} + x^{104} \\
& + x^{102} + x^{101} + x^{99} + x^{98} + x^{97} + x^{93} + x^{89} + x^{88} + x^{86} + x^{83} + x^{80} \\
& + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{69} + x^{68} + x^{64} + x^{61} + x^{60} \\
& + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{45} + x^{43} + x^{41} + x^{39} + x^{38} \\
& + x^{37} + x^{33} + x^{32} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{14} \\
& + x^{13} + x^{12} + x^{11} + x^7 + x^6, \\
p_{12}(x) = & x^{147} + x^{146} + x^{144} + x^{143} + x^{141} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} \\
& + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} + x^{124} + x^{123} + x^{121} \\
& + x^{119} + x^{117} + x^{114} + x^{113} + x^{112} + x^{99} + x^{98} + x^{96} + x^{95} + x^{93} \\
& + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} + x^{81} + x^{78} + x^{77} + x^{76} \\
& + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{63} + x^{62} + x^{60} + x^{59} + x^{57} \\
& + x^{55} + x^{53} + x^{51} + x^{49} + x^{47} + x^{45} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} \\
& + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} \\
& + x^{20} + x^{15} + x^{14} + x^{12} + x^{11} + x^9 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{138} + x^{132} + x^{130} + x^{126} + x^{124} + x^{110} + x^{108} + x^{104} + x^{100} + x^{94} \\
& + x^{90} + x^{86} + x^{84} + x^{78} + x^{74} + x^{64} + x^{62} + x^{60} + x^{58} + x^{52} + x^{50} \\
& + x^{44} + x^{42}, \\
p_3(x) = & x^{136} + x^{134} + x^{132} + x^{124} + x^{122} + x^{118} + x^{116} + x^{110} + x^{108} + x^{104} \\
& + x^{98} + x^{94} + x^{88} + x^{86} + x^{84} + x^{82} + x^{80} + x^{78} + x^{76} + x^{70} + x^{68} \\
& + x^{56} + x^{54} + x^{48} + x^{46} + x^{40} + x^{24} + x^{18} + x^{14} + x^{12}, \\
p_6(x) = & x^{136} + x^{134} + x^{132} + x^{130} + x^{126} + x^{122} + x^{120} + x^{116} + x^{110} + x^{108} \\
& + x^{106} + x^{104} + x^{102} + x^{96} + x^{92} + x^{88} + x^{86} + x^{84} + x^{76} + x^{66} + x^{64} \\
& + x^{62} + x^{60} + x^{58} + x^{52} + x^{50} + x^{48} + x^{30} + x^{28} + x^{20} + x^{18} + x^{14} \\
& + x^{12} + x^4 + x^2 + 1,
\end{aligned}$$

$$\begin{aligned}
p_9(x) &= x^{136} + x^{134} + x^{132} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{112} \\
&\quad + x^{108} + x^{104} + x^{102} + x^{96} + x^{92} + x^{90} + x^{88} + x^{80} + x^{78} + x^{76} + x^{74} \\
&\quad + x^{70} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{52} + x^{50} + x^{34} + x^{32} + x^{30} \\
&\quad + x^{26} + x^{22} + x^{20} + x^{18} + x^{14} + x^{12} + x^6 + x^4, \\
p_{12}(x) &= x^{138} + x^{136} + x^{134} + x^{130} + x^{128} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} \\
&\quad + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} + x^{58} + x^{56} + x^{54} + x^{50} + x^{48} + x^{42} \\
&\quad + x^{40} + x^{38} + x^{34} + x^{32} + x^{10} + x^8 + x^6 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{134} + x^{130} + x^{126} + x^{124} + x^{122} + x^{114} + x^{112} + x^{110} + x^{106} \\
&\quad + x^{98} + x^{94} + x^{88} + x^{86} + x^{82} + x^{80} + x^{78} + x^{64} + x^{60} + x^{58} + x^{48} \\
&\quad + x^{40} + x^{32} + x^{26} + x^{24}, \\
p_3(x) &= x^{136} + x^{134} + x^{126} + x^{122} + x^{118} + x^{108} + x^{104} + x^{102} + x^{100} + x^{98} \\
&\quad + x^{96} + x^{94} + x^{90} + x^{86} + x^{82} + x^{76} + x^{74} + x^{68} + x^{66} + x^{62} + x^{58} \\
&\quad + x^{56} + x^{50} + x^{38} + x^{36} + x^{34} + x^{26} + x^{24} + x^{20} + x^{16}, \\
p_6(x) &= x^{136} + x^{132} + x^{130} + x^{128} + x^{118} + x^{116} + x^{112} + x^{110} + x^{108} + x^{104} \\
&\quad + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} + x^{74} + x^{70} + x^{64} + x^{60} + x^{54} + x^{52} \\
&\quad + x^{50} + x^{48} + x^{46} + x^{44} + x^{38} + x^{36} + x^{34} + x^{32} + x^{28} + x^{20} + x^{16} \\
&\quad + x^{14} + x^{10} + x^8 + x^4 + x^2 + 1, \\
p_9(x) &= x^{136} + x^{134} + x^{132} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{112} \\
&\quad + x^{108} + x^{104} + x^{102} + x^{96} + x^{92} + x^{90} + x^{88} + x^{80} + x^{78} + x^{76} + x^{74} \\
&\quad + x^{70} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{52} + x^{50} + x^{34} + x^{32} + x^{30} \\
&\quad + x^{26} + x^{22} + x^{20} + x^{18} + x^{14} + x^{12} + x^6 + x^4, \\
p_{12}(x) &= x^{138} + x^{136} + x^{134} + x^{130} + x^{128} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} \\
&\quad + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} + x^{58} + x^{56} + x^{54} + x^{50} + x^{48} + x^{42} \\
&\quad + x^{40} + x^{38} + x^{34} + x^{32} + x^{10} + x^8 + x^6 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{142} + x^{141} + x^{137} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} \\
&\quad + x^{127} + x^{126} + x^{125} + x^{124} + x^{118} + x^{116} + x^{115} + x^{114} + x^{112} \\
&\quad + x^{111} + x^{106} + x^{105} + x^{104} + x^{102} + x^{101} + x^{100} + x^{94} + x^{92} + x^{91} \\
&\quad + x^{89} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{80} + x^{78} + x^{76} + x^{75} + x^{70} \\
&\quad + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} \\
&\quad + x^{52} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{39} + x^{38} + x^{37} \\
&\quad + x^{36} + x^{35} + x^{33},
\end{aligned}$$

$$\begin{aligned}
p_3(x) &= x^{138} + x^{136} + x^{135} + x^{134} + x^{133} + x^{132} + x^{126} + x^{123} + x^{122} + x^{120} \\
&\quad + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{110} + x^{107} + x^{106} + x^{82} + x^{80} \\
&\quad + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} + x^{69} + x^{68} + x^{67} + x^{63} \\
&\quad + x^{62} + x^{56} + x^{54} + x^{53} + x^{52} + x^{51} + x^{47} + x^{46} + x^{32} + x^{30} + x^{29} \\
&\quad + x^{28} + x^{27} + x^{26} + x^{22} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{140} + x^{139} + x^{135} + x^{133} + x^{132} + x^{125} + x^{124} + x^{122} + x^{120} \\
&\quad + x^{117} + x^{115} + x^{114} + x^{109} + x^{108} + x^{107} + x^{103} + x^{101} + x^{100} \\
&\quad + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{90} + x^{88} + x^{84} + x^{83} \\
&\quad + x^{80} + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{66} + x^{65} + x^{62} + x^{61} \\
&\quad + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
&\quad + x^{42} + x^{41} + x^{39} + x^{37} + x^{35} + x^{32} + x^{28} + x^{26} + x^{22} + x^{20} + x^{16} \\
&\quad + x^{14} + x^{13} + x^{12}, \\
p_9(x) &= x^{144} + x^{141} + x^{137} + x^{136} + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{121} \\
&\quad + x^{120} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{109} + x^{108} + x^{104} \\
&\quad + x^{102} + x^{101} + x^{99} + x^{98} + x^{97} + x^{93} + x^{89} + x^{88} + x^{86} + x^{83} + x^{80} \\
&\quad + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{69} + x^{68} + x^{64} + x^{61} + x^{60} \\
&\quad + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{45} + x^{43} + x^{41} + x^{39} + x^{38} \\
&\quad + x^{37} + x^{33} + x^{32} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{14} \\
&\quad + x^{13} + x^{12} + x^{11} + x^7 + x^6, \\
p_{12}(x) &= x^{147} + x^{146} + x^{144} + x^{143} + x^{141} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} \\
&\quad + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} + x^{124} + x^{123} + x^{121} \\
&\quad + x^{119} + x^{117} + x^{114} + x^{113} + x^{112} + x^{99} + x^{98} + x^{96} + x^{95} + x^{93} \\
&\quad + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} + x^{81} + x^{78} + x^{77} + x^{76} \\
&\quad + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{63} + x^{62} + x^{60} + x^{59} + x^{57} \\
&\quad + x^{55} + x^{53} + x^{51} + x^{49} + x^{47} + x^{45} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} \\
&\quad + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} \\
&\quad + x^{20} + x^{15} + x^{14} + x^{12} + x^{11} + x^9 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{142} + x^{141} + x^{137} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} \\
&\quad + x^{127} + x^{126} + x^{125} + x^{124} + x^{118} + x^{116} + x^{115} + x^{114} + x^{112} \\
&\quad + x^{111} + x^{106} + x^{105} + x^{104} + x^{102} + x^{101} + x^{100} + x^{94} + x^{92} + x^{91} \\
&\quad + x^{89} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{80} + x^{78} + x^{76} + x^{75} + x^{70} \\
&\quad + x^{68} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{55} + x^{54} \\
&\quad + x^{52} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{39} + x^{38} + x^{37}
\end{aligned}$$

$$\begin{aligned}
& + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{138} + x^{136} + x^{135} + x^{134} + x^{133} + x^{132} + x^{126} + x^{123} + x^{122} + x^{120} \\
& + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{110} + x^{107} + x^{106} + x^{82} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} + x^{69} + x^{68} + x^{67} + x^{63} \\
& + x^{62} + x^{56} + x^{54} + x^{53} + x^{52} + x^{51} + x^{47} + x^{46} + x^{32} + x^{30} + x^{29} \\
& + x^{28} + x^{27} + x^{26} + x^{22} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{140} + x^{139} + x^{135} + x^{133} + x^{132} + x^{125} + x^{124} + x^{122} + x^{120} \\
& + x^{117} + x^{115} + x^{114} + x^{109} + x^{108} + x^{107} + x^{103} + x^{101} + x^{100} \\
& + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} + x^{92} + x^{90} + x^{88} + x^{84} + x^{83} \\
& + x^{80} + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{66} + x^{65} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
& + x^{42} + x^{41} + x^{39} + x^{37} + x^{35} + x^{32} + x^{28} + x^{26} + x^{22} + x^{20} + x^{16} \\
& + x^{14} + x^{13} + x^{12}, \\
p_9(x) &= x^{144} + x^{141} + x^{137} + x^{136} + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{121} \\
& + x^{120} + x^{118} + x^{116} + x^{115} + x^{114} + x^{113} + x^{109} + x^{108} + x^{104} \\
& + x^{102} + x^{101} + x^{99} + x^{98} + x^{97} + x^{93} + x^{89} + x^{88} + x^{86} + x^{83} + x^{80} \\
& + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{69} + x^{68} + x^{64} + x^{61} + x^{60} \\
& + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{45} + x^{43} + x^{41} + x^{39} + x^{38} \\
& + x^{37} + x^{33} + x^{32} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{14} \\
& + x^{13} + x^{12} + x^{11} + x^7 + x^6, \\
p_{12}(x) &= x^{147} + x^{146} + x^{144} + x^{143} + x^{141} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} \\
& + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} + x^{124} + x^{123} + x^{121} \\
& + x^{119} + x^{117} + x^{114} + x^{113} + x^{112} + x^{99} + x^{98} + x^{96} + x^{95} + x^{93} \\
& + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} + x^{81} + x^{78} + x^{77} + x^{76} \\
& + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{63} + x^{62} + x^{60} + x^{59} + x^{57} \\
& + x^{55} + x^{53} + x^{51} + x^{49} + x^{47} + x^{45} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} \\
& + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} \\
& + x^{20} + x^{15} + x^{14} + x^{12} + x^{11} + x^9 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{152} + x^{150} + x^{146} + x^{144} + x^{134} + x^{126} + x^{122} + x^{116} \\
& + x^{114} + x^{110} + x^{106} + x^{102} + x^{100} + x^{96} + x^{90} + x^{88} + x^{86} + x^{78} \\
& + x^{74} + x^{62} + x^{58} + x^{56} + x^{52} + x^{50} + x^{48} + x^{44} + x^{42}, \\
p_3(x) &= x^{154} + x^{150} + x^{146} + x^{144} + x^{140} + x^{136} + x^{132} + x^{130} + x^{128} + x^{126} \\
& + x^{124} + x^{120} + x^{116} + x^{114} + x^{112} + x^{108} + x^{106} + x^{104} + x^{102}
\end{aligned}$$

$$\begin{aligned}
& + x^{98} + x^{96} + x^{94} + x^{92} + x^{90} + x^{84} + x^{82} + x^{76} + x^{74} + x^{68} + x^{66} \\
& + x^{64} + x^{62} + x^{58} + x^{56} + x^{54} + x^{52} + x^{48} + x^{46} + x^{42} + x^{40} + x^{34} \\
& + x^{32} + x^{30} + x^{26} + x^{24} + x^{20} + x^{16} + x^{12}, \\
p_6(x) &= x^{154} + x^{150} + x^{140} + x^{138} + x^{134} + x^{128} + x^{126} + x^{118} + x^{112} + x^{108} \\
& + x^{106} + x^{102} + x^{94} + x^{92} + x^{90} + x^{86} + x^{78} + x^{76} + x^{74} + x^{64} + x^{56} \\
& + x^{54} + x^{52} + x^{40} + x^{36} + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} \\
& + x^{18} + x^{16} + x^{14} + x^{10} + x^8 + 1, \\
p_9(x) &= x^{154} + x^{150} + x^{146} + x^{140} + x^{132} + x^{130} + x^{126} + x^{114} + x^{106} + x^{104} \\
& + x^{102} + x^{100} + x^{96} + x^{94} + x^{88} + x^{86} + x^{84} + x^{80} + x^{78} + x^{76} + x^{72} \\
& + x^{64} + x^{58} + x^{54} + x^{48} + x^{44} + x^{38} + x^{30} + x^{28} + x^{24} + x^{22} + x^{20} \\
& + x^{18} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{156} + x^{152} + x^{148} + x^{144} + x^{140} + x^{136} + x^{124} + x^{120} + x^{116} + x^{112} \\
& + x^{108} + x^{104} + x^{100} + x^{96} + x^{84} + x^{80} + x^{68} + x^{64} + x^{36} + x^{32} + x^{20} \\
& + x^{16} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{145} + x^{143} + x^{141} + x^{140} + x^{138} + x^{131} + x^{127} + x^{123} \\
& + x^{122} + x^{121} + x^{117} + x^{114} + x^{112} + x^{111} + x^{110} + x^{108} + x^{107} \\
& + x^{105} + x^{98} + x^{93} + x^{92} + x^{91} + x^{85} + x^{84} + x^{82} + x^{81} + x^{80} + x^{78} \\
& + x^{76} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{61} + x^{60} + x^{56} + x^{54} + x^{51} \\
& + x^{48} + x^{43} + x^{41} + x^{40} + x^{38} + x^{37} + x^{36} + x^{34} + x^{32} + x^{31} + x^{28} \\
& + x^{26} + x^{25} + x^{24}, \\
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{139} + x^{137} + x^{136} + x^{134} + x^{130} + x^{129} + x^{127} \\
& + x^{126} + x^{123} + x^{120} + x^{119} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} \\
& + x^{106} + x^{103} + x^{98} + x^{97} + x^{94} + x^{91} + x^{89} + x^{88} + x^{83} + x^{80} + x^{78} \\
& + x^{76} + x^{75} + x^{71} + x^{69} + x^{67} + x^{64} + x^{63} + x^{61} + x^{58} + x^{56} + x^{54} \\
& + x^{52} + x^{49} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} + x^{34} + x^{28} \\
& + x^{25} + x^{23} + x^{20} + x^{18} + x^{17} + x^{16}, \\
p_6(x) &= x^{145} + x^{144} + x^{140} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} \\
& + x^{128} + x^{126} + x^{123} + x^{122} + x^{119} + x^{118} + x^{114} + x^{113} + x^{111} \\
& + x^{107} + x^{104} + x^{103} + x^{100} + x^{99} + x^{97} + x^{96} + x^{94} + x^{93} + x^{92} \\
& + x^{90} + x^{85} + x^{84} + x^{82} + x^{81} + x^{80} + x^{78} + x^{72} + x^{71} + x^{70} + x^{69} \\
& + x^{65} + x^{63} + x^{62} + x^{58} + x^{56} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} \\
& + x^{47} + x^{41} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{29} + x^{28} + x^{26} + x^{25} \\
& + x^{24} + x^{20} + x^{17} + x^{14} + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

$$\begin{aligned}
p_9(x) = & x^{143} + x^{142} + x^{140} + x^{138} + x^{137} + x^{136} + x^{131} + x^{130} + x^{128} + x^{127} \\
& + x^{125} + x^{122} + x^{121} + x^{120} + x^{95} + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} \\
& + x^{83} + x^{82} + x^{80} + x^{78} + x^{77} + x^{76} + x^{67} + x^{66} + x^{64} + x^{63} + x^{61} \\
& + x^{58} + x^{57} + x^{56} + x^{47} + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{35} + x^{34} \\
& + x^{32} + x^{30} + x^{29} + x^{28} + x^{19} + x^{18} + x^{16} + x^{15} + x^{13} + x^{10} + x^9 \\
& + x^8,
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{147} + x^{146} + x^{144} + x^{142} + x^{141} + x^{140} + x^{135} + x^{134} + x^{132} + x^{131} \\
& + x^{129} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{119} + x^{117} \\
& + x^{114} + x^{113} + x^{112} + x^{99} + x^{98} + x^{96} + x^{94} + x^{93} + x^{92} + x^{87} + x^{86} \\
& + x^{84} + x^{82} + x^{81} + x^{80} + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} \\
& + x^{66} + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} + x^{53} + x^{51} \\
& + x^{49} + x^{46} + x^{45} + x^{44} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{32} + x^{27} \\
& + x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{14} + x^{13} + x^{12} \\
& + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{145} + x^{141} + x^{140} + x^{138} + x^{137} + x^{134} + x^{133} + x^{132} + x^{131} \\
& + x^{130} + x^{127} + x^{123} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} + x^{109} \\
& + x^{106} + x^{105} + x^{102} + x^{98} + x^{96} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{86} \\
& + x^{84} + x^{80} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{64} + x^{63} \\
& + x^{61} + x^{60} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{50} + x^{48} + x^{47} + x^{44} \\
& + x^{43} + x^{40} + x^{38} + x^{37} + x^{33},
\end{aligned}$$

$$\begin{aligned}
p_3(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{133} + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} \\
& + x^{125} + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{113} + x^{111} + x^{110} \\
& + x^{109} + x^{108} + x^{106} + x^{83} + x^{82} + x^{81} + x^{80} + x^{77} + x^{76} + x^{75} + x^{71} \\
& + x^{68} + x^{66} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{53} \\
& + x^{52} + x^{50} + x^{49} + x^{48} + x^{47} + x^{45} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33} \\
& + x^{30} + x^{29} + x^{25} + x^{23} + x^{22} + x^{21} + x^{20} + x^{18},
\end{aligned}$$

$$\begin{aligned}
p_6(x) = & x^{142} + x^{140} + x^{134} + x^{132} + x^{126} + x^{120} + x^{116} + x^{114} + x^{110} + x^{108} \\
& + x^{102} + x^{98} + x^{96} + x^{88} + x^{86} + x^{84} + x^{82} + x^{80} + x^{76} + x^{72} + x^{68} \\
& + x^{66} + x^{64} + x^{56} + x^{54} + x^{48} + x^{44} + x^{42} + x^{34} + x^{32} + x^{30} + x^{26} \\
& + x^{24} + x^{20} + x^{18} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_9(x) = & x^{145} + x^{144} + x^{139} + x^{138} + x^{137} + x^{134} + x^{130} + x^{129} + x^{123} + x^{121} \\
& + x^{120} + x^{118} + x^{97} + x^{96} + x^{91} + x^{90} + x^{89} + x^{86} + x^{82} + x^{80} + x^{74} \\
& + x^{72} + x^{66} + x^{65} + x^{59} + x^{57} + x^{56} + x^{54} + x^{49} + x^{48} + x^{43} + x^{42}
\end{aligned}$$

$$\begin{aligned}
& + x^{41} + x^{38} + x^{34} + x^{32} + x^{26} + x^{24} + x^{18} + x^{17} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{148} + x^{140} + x^{136} + x^{132} + x^{128} + x^{120} + x^{116} + x^{112} + x^{100} + x^{92} \\
& + x^{88} + x^{80} + x^{76} + x^{56} + x^{48} + x^{44} + x^{40} + x^{32} + x^{28} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{160} + x^{157} + x^{156} + x^{154} + x^{152} + x^{150} + x^{144} + x^{143} + x^{141} + x^{139} \\
& + x^{138} + x^{137} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{123} + x^{122} \\
& + x^{121} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{113} + x^{112} \\
& + x^{109} + x^{107} + x^{105} + x^{103} + x^{102} + x^{99} + x^{96} + x^{94} + x^{92} + x^{86} \\
& + x^{84} + x^{82} + x^{81} + x^{77} + x^{76} + x^{73} + x^{72} + x^{69} + x^{66} + x^{63} + x^{62} \\
& + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{54} + x^{51} + x^{49} + x^{46} + x^{45} + x^{43} \\
& + x^{40} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{151} + x^{150} + x^{149} + x^{148} + x^{147} + x^{146} + x^{142} + x^{137} + x^{135} + x^{131} \\
& + x^{130} + x^{126} + x^{125} + x^{123} + x^{121} + x^{119} + x^{117} + x^{116} + x^{115} \\
& + x^{112} + x^{111} + x^{109} + x^{108} + x^{106} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{87} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{76} + x^{73} + x^{71} \\
& + x^{69} + x^{66} + x^{63} + x^{61} + x^{57} + x^{56} + x^{53} + x^{50} + x^{48} + x^{47} + x^{40} \\
& + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{31} + x^{29} + x^{28} + x^{27} + x^{24} \\
& + x^{23} + x^{21} + x^{20} + x^{18}, \\
p_6(x) = & x^{154} + x^{152} + x^{150} + x^{148} + x^{146} + x^{144} + x^{136} + x^{124} + x^{122} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{108} + x^{106} + x^{104} + x^{98} + x^{96} + x^{88} + x^{86} \\
& + x^{82} + x^{76} + x^{74} + x^{70} + x^{68} + x^{64} + x^{62} + x^{60} + x^{46} + x^{40} + x^{38} \\
& + x^{36} + x^{34} + x^{32} + x^{22} + x^{18} + x^{16} + x^{12}, \\
p_9(x) = & x^{157} + x^{156} + x^{153} + x^{152} + x^{151} + x^{150} + x^{149} + x^{147} + x^{144} + x^{140} \\
& + x^{139} + x^{133} + x^{131} + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} \\
& + x^{123} + x^{122} + x^{121} + x^{120} + x^{118} + x^{109} + x^{108} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{99} + x^{96} + x^{93} + x^{91} + x^{89} + x^{88} + x^{87} + x^{86} \\
& + x^{82} + x^{79} + x^{78} + x^{77} + x^{74} + x^{73} + x^{72} + x^{70} + x^{69} + x^{67} + x^{66} \\
& + x^{64} + x^{63} + x^{62} + x^{59} + x^{58} + x^{55} + x^{53} + x^{51} + x^{48} + x^{45} + x^{43} \\
& + x^{41} + x^{40} + x^{39} + x^{38} + x^{34} + x^{31} + x^{30} + x^{29} + x^{26} + x^{25} + x^{24} \\
& + x^{22} + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} \\
& + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{160} + x^{156} + x^{152} + x^{148} + x^{144} + x^{140} + x^{132} + x^{120} + x^{108} + x^{104} \\
& + x^{100} + x^{88} + x^{80} + x^{76} + x^{72} + x^{68} + x^{60} + x^{52} + x^{48} + x^{40} + x^{32} \\
& + x^{28} + x^{24} + x^{20} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{145} + x^{142} + x^{140} + x^{139} + x^{134} + x^{130} + x^{126} + x^{124} \\
&\quad + x^{121} + x^{119} + x^{114} + x^{112} + x^{111} + x^{110} + x^{107} + x^{105} + x^{104} \\
&\quad + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} + x^{90} + x^{87} + x^{86} + x^{85} + x^{79} + x^{76} \\
&\quad + x^{70} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{54} + x^{53} + x^{51} + x^{50} \\
&\quad + x^{46} + x^{45} + x^{44} + x^{42}, \\
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{138} + x^{136} + x^{134} + x^{133} + x^{131} + x^{129} + x^{124} \\
&\quad + x^{123} + x^{122} + x^{120} + x^{115} + x^{109} + x^{108} + x^{105} + x^{104} + x^{103} \\
&\quad + x^{98} + x^{97} + x^{94} + x^{91} + x^{89} + x^{88} + x^{82} + x^{81} + x^{80} + x^{78} + x^{77} \\
&\quad + x^{76} + x^{75} + x^{73} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} \\
&\quad + x^{60} + x^{58} + x^{57} + x^{55} + x^{54} + x^{52} + x^{50} + x^{47} + x^{46} + x^{45} + x^{43} \\
&\quad + x^{42} + x^{41} + x^{40} + x^{39} + x^{34} + x^{33} + x^{32} + x^{31} + x^{28} + x^{27} + x^{24} \\
&\quad + x^{22}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} + x^{136} + x^{134} + x^{133} + x^{132} \\
&\quad + x^{130} + x^{129} + x^{122} + x^{119} + x^{116} + x^{114} + x^{113} + x^{112} + x^{108} \\
&\quad + x^{106} + x^{105} + x^{101} + x^{98} + x^{96} + x^{94} + x^{92} + x^{90} + x^{89} + x^{85} + x^{83} \\
&\quad + x^{82} + x^{81} + x^{78} + x^{77} + x^{73} + x^{72} + x^{71} + x^{70} + x^{67} + x^{66} + x^{65} \\
&\quad + x^{63} + x^{62} + x^{59} + x^{54} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{45} + x^{44} \\
&\quad + x^{43} + x^{32} + x^{29} + x^{27} + x^{26} + x^{25} + x^{23} + x^{22} + x^{21} + x^{19} + x^{16} \\
&\quad + x^{15} + x^{12} + x^{11} + x^9 + x^7 + x^5 + x^2 + x + 1, \\
p_9(x) &= x^{143} + x^{142} + x^{140} + x^{138} + x^{137} + x^{136} + x^{131} + x^{130} + x^{128} + x^{127} \\
&\quad + x^{125} + x^{122} + x^{121} + x^{120} + x^{95} + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} \\
&\quad + x^{83} + x^{82} + x^{80} + x^{78} + x^{77} + x^{76} + x^{67} + x^{66} + x^{64} + x^{63} + x^{61} \\
&\quad + x^{58} + x^{57} + x^{56} + x^{47} + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{35} + x^{34} \\
&\quad + x^{32} + x^{30} + x^{29} + x^{28} + x^{19} + x^{18} + x^{16} + x^{15} + x^{13} + x^{10} + x^9 \\
&\quad + x^8, \\
p_{12}(x) &= x^{147} + x^{146} + x^{144} + x^{142} + x^{141} + x^{140} + x^{135} + x^{134} + x^{132} + x^{131} \\
&\quad + x^{129} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{119} + x^{117} \\
&\quad + x^{114} + x^{113} + x^{112} + x^{99} + x^{98} + x^{96} + x^{94} + x^{93} + x^{92} + x^{87} + x^{86} \\
&\quad + x^{84} + x^{82} + x^{81} + x^{80} + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} \\
&\quad + x^{66} + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} + x^{53} + x^{51} \\
&\quad + x^{49} + x^{46} + x^{45} + x^{44} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{32} + x^{27} \\
&\quad + x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{14} + x^{13} + x^{12} \\
&\quad + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{146} + x^{145} + x^{143} + x^{141} + x^{140} + x^{138} + x^{131} + x^{127} + x^{123} \\
&\quad + x^{122} + x^{121} + x^{117} + x^{114} + x^{112} + x^{111} + x^{110} + x^{108} + x^{107} \\
&\quad + x^{105} + x^{98} + x^{93} + x^{92} + x^{91} + x^{85} + x^{84} + x^{82} + x^{81} + x^{80} + x^{78} \\
&\quad + x^{76} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{61} + x^{60} + x^{56} + x^{54} + x^{51} \\
&\quad + x^{48} + x^{43} + x^{41} + x^{40} + x^{38} + x^{37} + x^{36} + x^{34} + x^{32} + x^{31} + x^{28} \\
&\quad + x^{26} + x^{25} + x^{24}, \\
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{139} + x^{137} + x^{136} + x^{134} + x^{130} + x^{129} + x^{127} \\
&\quad + x^{126} + x^{123} + x^{120} + x^{119} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} \\
&\quad + x^{106} + x^{103} + x^{98} + x^{97} + x^{94} + x^{91} + x^{89} + x^{88} + x^{83} + x^{80} + x^{78} \\
&\quad + x^{76} + x^{75} + x^{71} + x^{69} + x^{67} + x^{64} + x^{63} + x^{61} + x^{58} + x^{56} + x^{54} \\
&\quad + x^{52} + x^{49} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} + x^{34} + x^{28} \\
&\quad + x^{25} + x^{23} + x^{20} + x^{18} + x^{17} + x^{16}, \\
p_6(x) &= x^{145} + x^{144} + x^{140} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{129} \\
&\quad + x^{128} + x^{126} + x^{123} + x^{122} + x^{119} + x^{118} + x^{114} + x^{113} + x^{111} \\
&\quad + x^{107} + x^{104} + x^{103} + x^{100} + x^{99} + x^{97} + x^{96} + x^{94} + x^{93} + x^{92} \\
&\quad + x^{90} + x^{85} + x^{84} + x^{82} + x^{81} + x^{80} + x^{78} + x^{72} + x^{71} + x^{70} + x^{69} \\
&\quad + x^{65} + x^{63} + x^{62} + x^{58} + x^{56} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} \\
&\quad + x^{47} + x^{41} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{29} + x^{28} + x^{26} + x^{25} \\
&\quad + x^{24} + x^{20} + x^{17} + x^{14} + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^2 + x + 1, \\
p_9(x) &= x^{143} + x^{142} + x^{140} + x^{138} + x^{137} + x^{136} + x^{131} + x^{130} + x^{128} + x^{127} \\
&\quad + x^{125} + x^{122} + x^{121} + x^{120} + x^{95} + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} \\
&\quad + x^{83} + x^{82} + x^{80} + x^{78} + x^{77} + x^{76} + x^{67} + x^{66} + x^{64} + x^{63} + x^{61} \\
&\quad + x^{58} + x^{57} + x^{56} + x^{47} + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{35} + x^{34} \\
&\quad + x^{32} + x^{30} + x^{29} + x^{28} + x^{19} + x^{18} + x^{16} + x^{15} + x^{13} + x^{10} + x^9 \\
&\quad + x^8, \\
p_{12}(x) &= x^{147} + x^{146} + x^{144} + x^{142} + x^{141} + x^{140} + x^{135} + x^{134} + x^{132} + x^{131} \\
&\quad + x^{129} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{119} + x^{117} \\
&\quad + x^{114} + x^{113} + x^{112} + x^{99} + x^{98} + x^{96} + x^{94} + x^{93} + x^{92} + x^{87} + x^{86} \\
&\quad + x^{84} + x^{82} + x^{81} + x^{80} + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} \\
&\quad + x^{66} + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} + x^{53} + x^{51} \\
&\quad + x^{49} + x^{46} + x^{45} + x^{44} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{32} + x^{27} \\
&\quad + x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{14} + x^{13} + x^{12} \\
&\quad + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{160} + x^{157} + x^{156} + x^{154} + x^{152} + x^{150} + x^{144} + x^{143} + x^{141} + x^{139} \\
&\quad + x^{138} + x^{137} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{123} + x^{122} \\
&\quad + x^{121} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{113} + x^{112} \\
&\quad + x^{109} + x^{107} + x^{105} + x^{103} + x^{102} + x^{99} + x^{96} + x^{94} + x^{92} + x^{86} \\
&\quad + x^{84} + x^{82} + x^{81} + x^{77} + x^{76} + x^{73} + x^{72} + x^{69} + x^{66} + x^{63} + x^{62} \\
&\quad + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{54} + x^{51} + x^{49} + x^{46} + x^{45} + x^{43} \\
&\quad + x^{40} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{151} + x^{150} + x^{149} + x^{148} + x^{147} + x^{146} + x^{142} + x^{137} + x^{135} + x^{131} \\
&\quad + x^{130} + x^{126} + x^{125} + x^{123} + x^{121} + x^{119} + x^{117} + x^{116} + x^{115} \\
&\quad + x^{112} + x^{111} + x^{109} + x^{108} + x^{106} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} \\
&\quad + x^{90} + x^{87} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{76} + x^{73} + x^{71} \\
&\quad + x^{69} + x^{66} + x^{63} + x^{61} + x^{57} + x^{56} + x^{53} + x^{50} + x^{48} + x^{47} + x^{40} \\
&\quad + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{31} + x^{29} + x^{28} + x^{27} + x^{24} \\
&\quad + x^{23} + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{154} + x^{152} + x^{150} + x^{148} + x^{146} + x^{144} + x^{136} + x^{124} + x^{122} + x^{118} \\
&\quad + x^{116} + x^{114} + x^{112} + x^{108} + x^{106} + x^{104} + x^{98} + x^{96} + x^{88} + x^{86} \\
&\quad + x^{82} + x^{76} + x^{74} + x^{70} + x^{68} + x^{64} + x^{62} + x^{60} + x^{46} + x^{40} + x^{38} \\
&\quad + x^{36} + x^{34} + x^{32} + x^{22} + x^{18} + x^{16} + x^{12}, \\
p_9(x) &= x^{157} + x^{156} + x^{153} + x^{152} + x^{151} + x^{150} + x^{149} + x^{147} + x^{144} + x^{140} \\
&\quad + x^{139} + x^{133} + x^{131} + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} \\
&\quad + x^{123} + x^{122} + x^{121} + x^{120} + x^{118} + x^{109} + x^{108} + x^{105} + x^{104} \\
&\quad + x^{103} + x^{102} + x^{101} + x^{99} + x^{96} + x^{93} + x^{91} + x^{89} + x^{88} + x^{87} + x^{86} \\
&\quad + x^{82} + x^{79} + x^{78} + x^{77} + x^{74} + x^{73} + x^{72} + x^{70} + x^{69} + x^{67} + x^{66} \\
&\quad + x^{64} + x^{63} + x^{62} + x^{59} + x^{58} + x^{55} + x^{53} + x^{51} + x^{48} + x^{45} + x^{43} \\
&\quad + x^{41} + x^{40} + x^{39} + x^{38} + x^{34} + x^{31} + x^{30} + x^{29} + x^{26} + x^{25} + x^{24} \\
&\quad + x^{22} + x^{21} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} \\
&\quad + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{160} + x^{156} + x^{152} + x^{148} + x^{144} + x^{140} + x^{132} + x^{120} + x^{108} + x^{104} \\
&\quad + x^{100} + x^{88} + x^{80} + x^{76} + x^{72} + x^{68} + x^{60} + x^{52} + x^{48} + x^{40} + x^{32} \\
&\quad + x^{28} + x^{24} + x^{20} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$p_0(x) = x^{148} + x^{145} + x^{141} + x^{140} + x^{138} + x^{137} + x^{134} + x^{133} + x^{132} + x^{131}$$

$$\begin{aligned}
& + x^{130} + x^{127} + x^{123} + x^{115} + x^{114} + x^{113} + x^{111} + x^{110} + x^{109} \\
& + x^{106} + x^{105} + x^{102} + x^{98} + x^{96} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{86} \\
& + x^{84} + x^{80} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{64} + x^{63} \\
& + x^{61} + x^{60} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{50} + x^{48} + x^{47} + x^{44} \\
& + x^{43} + x^{40} + x^{38} + x^{37} + x^{33}, \\
p_3(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{133} + x^{132} + x^{130} + x^{129} + x^{128} + x^{127} \\
& + x^{125} + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{113} + x^{111} + x^{110} \\
& + x^{109} + x^{108} + x^{106} + x^{83} + x^{82} + x^{81} + x^{80} + x^{77} + x^{76} + x^{75} + x^{71} \\
& + x^{68} + x^{66} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{53} \\
& + x^{52} + x^{50} + x^{49} + x^{48} + x^{47} + x^{45} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33} \\
& + x^{30} + x^{29} + x^{25} + x^{23} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_6(x) = & x^{142} + x^{140} + x^{134} + x^{132} + x^{126} + x^{120} + x^{116} + x^{114} + x^{110} + x^{108} \\
& + x^{102} + x^{98} + x^{96} + x^{88} + x^{86} + x^{84} + x^{82} + x^{80} + x^{76} + x^{72} + x^{68} \\
& + x^{66} + x^{64} + x^{56} + x^{54} + x^{48} + x^{44} + x^{42} + x^{34} + x^{32} + x^{30} + x^{26} \\
& + x^{24} + x^{20} + x^{18} + x^{12}, \\
p_9(x) = & x^{145} + x^{144} + x^{139} + x^{138} + x^{137} + x^{134} + x^{130} + x^{129} + x^{123} + x^{121} \\
& + x^{120} + x^{118} + x^{97} + x^{96} + x^{91} + x^{90} + x^{89} + x^{86} + x^{82} + x^{80} + x^{74} \\
& + x^{72} + x^{66} + x^{65} + x^{59} + x^{57} + x^{56} + x^{54} + x^{49} + x^{48} + x^{43} + x^{42} \\
& + x^{41} + x^{38} + x^{34} + x^{32} + x^{26} + x^{24} + x^{18} + x^{17} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{148} + x^{140} + x^{136} + x^{132} + x^{128} + x^{120} + x^{116} + x^{112} + x^{100} + x^{92} \\
& + x^{88} + x^{80} + x^{76} + x^{56} + x^{48} + x^{44} + x^{40} + x^{32} + x^{28} + 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 $\phi(W^o, 1, 1)$:

$$\begin{aligned}
p_0(x) = & x^{147} + x^{146} + x^{145} + x^{142} + x^{140} + x^{139} + x^{134} + x^{130} + x^{126} + x^{124} \\
& + x^{121} + x^{119} + x^{114} + x^{112} + x^{111} + x^{110} + x^{107} + x^{105} + x^{104} \\
& + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} + x^{90} + x^{87} + x^{86} + x^{85} + x^{79} + x^{76} \\
& + x^{70} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{54} + x^{53} + x^{51} + x^{50} \\
& + x^{46} + x^{45} + x^{44} + x^{42}, \\
p_3(x) = & x^{143} + x^{142} + x^{141} + x^{138} + x^{136} + x^{134} + x^{133} + x^{131} + x^{129} + x^{124} \\
& + x^{123} + x^{122} + x^{120} + x^{115} + x^{109} + x^{108} + x^{105} + x^{104} + x^{103} \\
& + x^{98} + x^{97} + x^{94} + x^{91} + x^{89} + x^{88} + x^{82} + x^{81} + x^{80} + x^{78} + x^{77} \\
& + x^{76} + x^{75} + x^{73} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} \\
& + x^{60} + x^{58} + x^{57} + x^{55} + x^{54} + x^{52} + x^{50} + x^{47} + x^{46} + x^{45} + x^{43} \\
& + x^{42} + x^{41} + x^{40} + x^{39} + x^{34} + x^{33} + x^{32} + x^{31} + x^{28} + x^{27} + x^{24} \\
& + x^{22},
\end{aligned}$$

$$\begin{aligned}
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} + x^{136} + x^{134} + x^{133} + x^{132} \\
&\quad + x^{130} + x^{129} + x^{122} + x^{119} + x^{116} + x^{114} + x^{113} + x^{112} + x^{108} \\
&\quad + x^{106} + x^{105} + x^{101} + x^{98} + x^{96} + x^{94} + x^{92} + x^{90} + x^{89} + x^{85} + x^{83} \\
&\quad + x^{82} + x^{81} + x^{78} + x^{77} + x^{73} + x^{72} + x^{71} + x^{70} + x^{67} + x^{66} + x^{65} \\
&\quad + x^{63} + x^{62} + x^{59} + x^{54} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{45} + x^{44} \\
&\quad + x^{43} + x^{32} + x^{29} + x^{27} + x^{26} + x^{25} + x^{23} + x^{22} + x^{21} + x^{19} + x^{16} \\
&\quad + x^{15} + x^{12} + x^{11} + x^9 + x^7 + x^5 + x^2 + x + 1, \\
p_9(x) &= x^{143} + x^{142} + x^{140} + x^{138} + x^{137} + x^{136} + x^{131} + x^{130} + x^{128} + x^{127} \\
&\quad + x^{125} + x^{122} + x^{121} + x^{120} + x^{95} + x^{94} + x^{92} + x^{90} + x^{89} + x^{88} \\
&\quad + x^{83} + x^{82} + x^{80} + x^{78} + x^{77} + x^{76} + x^{67} + x^{66} + x^{64} + x^{63} + x^{61} \\
&\quad + x^{58} + x^{57} + x^{56} + x^{47} + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{35} + x^{34} \\
&\quad + x^{32} + x^{30} + x^{29} + x^{28} + x^{19} + x^{18} + x^{16} + x^{15} + x^{13} + x^{10} + x^9 \\
&\quad + x^8, \\
p_{12}(x) &= x^{147} + x^{146} + x^{144} + x^{142} + x^{141} + x^{140} + x^{135} + x^{134} + x^{132} + x^{131} \\
&\quad + x^{129} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + x^{120} + x^{119} + x^{117} \\
&\quad + x^{114} + x^{113} + x^{112} + x^{99} + x^{98} + x^{96} + x^{94} + x^{93} + x^{92} + x^{87} + x^{86} \\
&\quad + x^{84} + x^{82} + x^{81} + x^{80} + x^{75} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} \\
&\quad + x^{66} + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} + x^{53} + x^{51} \\
&\quad + x^{49} + x^{46} + x^{45} + x^{44} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{32} + x^{27} \\
&\quad + x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{14} + x^{13} + x^{12} \\
&\quad + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^2 + x + 1,
\end{aligned}$$

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

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

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

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	2555	[1410, 4278]	5110	[7092, 7093]	7665	[6253, 9122]
1	[3, 4]	2556	[4279, 1064]	5111	[477, 4209]	7666	[2298, 6538]
2	[5, 6]	2557	[4280, 4281]	5112	[3298, 4346]	7667	[9123, 5159]
3	[7, 8]	2558	[4282, 4283]	5113	[4339, 7094]	7668	[6827, 9124]
4	[9, 10]	2559	[253, 4284]	5114	[4693, 4798]	7669	[5051, 9125]
5	[11, 12]	2560	[4285, 1348]	5115	[4938, 4023]	7670	[1951, 8814]
6	[13, 14]	2561	[4286, 3276]	5116	[7095, 4513]	7671	[2012, 2659]
7	[15, 16]	2562	[4287, 4288]	5117	[4621, 3191]	7672	[5915, 8616]
8	[17, 18]	2563	[1219, 4289]	5118	[7096, 7097]	7673	[8682, 9126]
9	[19, 20]	2564	[3189, 3672]	5119	[4062, 7098]	7674	[6317, 787]
10	[21, 22]	2565	[3120, 4290]	5120	[7099, 7100]	7675	[2250, 6365]
11	[23, 24]	2566	[4291, 1315]	5121	[7101, 7102]	7676	[5551, 2393]

12	[25, 26]	2567	[4292, 4293]	5122	[7103, 7104]	7677	[4982, 2796]
13	[27, 28]	2568	[1552, 4294]	5123	[7105, 7106]	7678	[6532, 9127]
14	[29, 30]	2569	[4295, 4296]	5124	[4944, 7107]	7679	[9128, 604]
15	[31, 32]	2570	[1394, 4297]	5125	[3162, 7042]	7680	[1973, 9129]
16	[33, 34]	2571	[4298, 4299]	5126	[7108, 7109]	7681	[558, 9130]
17	[35, 36]	2572	[4300, 4301]	5127	[7110, 7111]	7682	[9131, 9132]
18	[37, 38]	2573	[3317, 4302]	5128	[4644, 7112]	7683	[8671, 9133]
19	[39, 40]	2574	[4303, 4304]	5129	[7113, 7114]	7684	[9134, 9135]
20	[41, 42]	2575	[1571, 4305]	5130	[4870, 3623]	7685	[6840, 6018]
21	[43, 44]	2576	[3690, 1340]	5131	[3982, 7115]	7686	[8695, 2398]
22	[45, 46]	2577	[432, 4306]	5132	[7060, 3764]	7687	[5701, 9136]
23	[47, 48]	2578	[4307, 1223]	5133	[4231, 1196]	7688	[9137, 9138]
24	[49, 50]	2579	[4308, 4309]	5134	[1285, 3327]	7689	[9139, 8970]
25	[51, 52]	2580	[4310, 1375]	5135	[7116, 1137]	7690	[5858, 9140]
26	[53, 54]	2581	[4311, 4312]	5136	[7117, 1206]	7691	[2192, 8732]
27	[55, 56]	2582	[4313, 4314]	5137	[3484, 7118]	7692	[2685, 9141]
28	[57, 58]	2583	[3454, 4315]	5138	[407, 7119]	7693	[5428, 6849]
29	[59, 60]	2584	[4316, 4317]	5139	[3925, 7120]	7694	[9142, 9143]
30	[61, 62]	2585	[3606, 4318]	5140	[7121, 7122]	7695	[6536, 9144]
31	[63, 64]	2586	[4319, 4320]	5141	[1196, 7123]	7696	[6457, 8926]
32	[65, 66]	2587	[4321, 4322]	5142	[7124, 7125]	7697	[9145, 9146]
33	[67, 68]	2588	[4323, 4324]	5143	[7126, 7127]	7698	[5429, 9147]
34	[69, 70]	2589	[1360, 71]	5144	[3651, 4333]	7699	[6933, 6501]
35	[71, 72]	2590	[4325, 4326]	5145	[3755, 7128]	7700	[5243, 9065]
36	[73, 74]	2591	[4327, 3327]	5146	[3464, 7129]	7701	[6461, 5102]
37	[75, 76]	2592	[4328, 3970]	5147	[7130, 7131]	7702	[9148, 9149]
38	[77, 78]	2593	[4329, 4330]	5148	[3665, 263]	7703	[9150, 9151]
39	[79, 80]	2594	[64, 1420]	5149	[4245, 3218]	7704	[2813, 6005]
40	[81, 82]	2595	[4331, 4332]	5150	[4936, 3989]	7705	[726, 6173]
41	[83, 84]	2596	[4333, 4334]	5151	[7132, 7133]	7706	[5598, 2082]
42	[85, 86]	2597	[3105, 4335]	5152	[1759, 7134]	7707	[2930, 9152]
43	[87, 88]	2598	[4336, 4337]	5153	[4310, 7135]	7708	[9153, 2706]
44	[89, 74]	2599	[4338, 4339]	5154	[1185, 4934]	7709	[6807, 9154]
45	[90, 91]	2600	[4340, 4341]	5155	[7136, 7137]	7710	[9155, 6758]
46	[92, 93]	2601	[4342, 1251]	5156	[4718, 7138]	7711	[9156, 9157]
47	[94, 95]	2602	[4343, 4344]	5157	[1027, 7139]	7712	[9158, 6296]
48	[96, 97]	2603	[4345, 3496]	5158	[4126, 7140]	7713	[890, 9159]
49	[98, 99]	2604	[1214, 4346]	5159	[7141, 4694]	7714	[5857, 2575]
50	[100, 101]	2605	[4347, 4348]	5160	[7142, 4703]	7715	[9160, 9161]
51	[102, 103]	2606	[4349, 4350]	5161	[4029, 7143]	7716	[6125, 9162]
52	[104, 105]	2607	[4351, 4352]	5162	[3764, 7144]	7717	[5663, 8661]
53	[106, 107]	2608	[4353, 4354]	5163	[7145, 7146]	7718	[2094, 5174]
54	[108, 109]	2609	[4355, 4356]	5164	[4114, 7147]	7719	[9163, 9164]
55	[110, 111]	2610	[4078, 4357]	5165	[112, 7148]	7720	[9165, 5745]

56	[112, 113]	2611	[3616, 4358]	5166	[7149, 7150]	7721	[5045, 5491]
57	[114, 115]	2612	[3407, 4359]	5167	[1276, 4947]	7722	[9166, 8710]
58	[116, 117]	2613	[267, 4360]	5168	[7151, 7148]	7723	[5005, 9167]
59	[118, 119]	2614	[4361, 4362]	5169	[4842, 7152]	7724	[9168, 5449]
60	[120, 121]	2615	[1427, 4363]	5170	[7153, 7154]	7725	[2062, 6871]
61	[122, 123]	2616	[1104, 4364]	5171	[4767, 4493]	7726	[2976, 5071]
62	[124, 125]	2617	[3881, 111]	5172	[4450, 7155]	7727	[9169, 9170]
63	[126, 127]	2618	[4365, 398]	5173	[7156, 7157]	7728	[5141, 6527]
64	[128, 129]	2619	[4136, 4366]	5174	[7158, 7159]	7729	[9171, 3006]
65	[130, 131]	2620	[4246, 4367]	5175	[7160, 4935]	7730	[8738, 9172]
66	[132, 133]	2621	[4368, 4369]	5176	[7161, 7162]	7731	[6946, 5081]
67	[134, 135]	2622	[4370, 4371]	5177	[7163, 7164]	7732	[9173, 9174]
68	[136, 137]	2623	[4372, 4373]	5178	[4872, 7107]	7733	[9175, 6763]
69	[138, 139]	2624	[4374, 4375]	5179	[7165, 3403]	7734	[3033, 9176]
70	[140, 141]	2625	[299, 1489]	5180	[7166, 300]	7735	[9177, 2825]
71	[142, 143]	2626	[4376, 4377]	5181	[7167, 7168]	7736	[947, 9178]
72	[144, 145]	2627	[4378, 4379]	5182	[7169, 7170]	7737	[5523, 1988]
73	[146, 147]	2628	[4380, 4381]	5183	[1172, 7171]	7738	[5409, 5520]
74	[148, 149]	2629	[4382, 4383]	5184	[3394, 1200]	7739	[8772, 6130]
75	[150, 151]	2630	[4384, 3750]	5185	[7172, 3534]	7740	[5986, 9179]
76	[152, 153]	2631	[4385, 4386]	5186	[7173, 4383]	7741	[6065, 2499]
77	[154, 155]	2632	[4387, 4388]	5187	[7174, 7127]	7742	[1951, 9180]
78	[156, 157]	2633	[4389, 4390]	5188	[7175, 3614]	7743	[6169, 9181]
79	[158, 159]	2634	[3603, 4391]	5189	[3302, 7176]	7744	[9182, 9183]
80	[160, 161]	2635	[4392, 4393]	5190	[1200, 3627]	7745	[1945, 9184]
81	[162, 163]	2636	[4394, 4395]	5191	[7177, 4897]	7746	[1894, 6192]
82	[164, 165]	2637	[1275, 4396]	5192	[7178, 7179]	7747	[2622, 9185]
83	[166, 167]	2638	[4397, 4398]	5193	[4087, 496]	7748	[2862, 2058]
84	[168, 169]	2639	[4399, 4400]	5194	[7180, 7181]	7749	[9087, 9186]
85	[170, 171]	2640	[4401, 4402]	5195	[7182, 3515]	7750	[194, 8666]
86	[172, 173]	2641	[3171, 4403]	5196	[3267, 1364]	7751	[9187, 2377]
87	[174, 175]	2642	[3431, 4016]	5197	[4763, 975]	7752	[6604, 9188]
88	[176, 177]	2643	[3126, 4404]	5198	[7183, 1769]	7753	[6887, 9189]
89	[178, 179]	2644	[3923, 4405]	5199	[7184, 7185]	7754	[161, 5813]
90	[180, 181]	2645	[425, 3695]	5200	[7186, 7187]	7755	[2763, 2649]
91	[182, 183]	2646	[4406, 4407]	5201	[3346, 4465]	7756	[5000, 9190]
92	[184, 185]	2647	[4408, 4203]	5202	[7188, 4322]	7757	[6448, 8815]
93	[186, 187]	2648	[3425, 4409]	5203	[4159, 4388]	7758	[9191, 6104]
94	[188, 189]	2649	[4410, 1686]	5204	[3334, 7189]	7759	[1907, 6041]
95	[190, 191]	2650	[4411, 4412]	5205	[7190, 7191]	7760	[5975, 9192]
96	[192, 193]	2651	[3522, 4413]	5206	[7192, 7193]	7761	[6052, 9193]
97	[194, 195]	2652	[386, 1398]	5207	[7194, 367]	7762	[906, 9194]
98	[196, 197]	2653	[4414, 3207]	5208	[7195, 7196]	7763	[5409, 3004]
99	[198, 199]	2654	[4415, 4416]	5209	[3395, 4796]	7764	[2364, 199]

100	[200, 201]	2655	[4417, 4418]	5210	[4568, 7197]	7765	[9088, 6438]
101	[202, 203]	2656	[4419, 4420]	5211	[4315, 7198]	7766	[1989, 2793]
102	[204, 205]	2657	[4421, 4422]	5212	[7199, 7200]	7767	[8831, 9195]
103	[206, 207]	2658	[1699, 4423]	5213	[7201, 7202]	7768	[9177, 2379]
104	[208, 209]	2659	[4424, 4425]	5214	[4519, 7203]	7769	[5594, 3008]
105	[210, 211]	2660	[4426, 4427]	5215	[7204, 7205]	7770	[9196, 8693]
106	[212, 213]	2661	[4428, 4429]	5216	[4088, 7206]	7771	[3086, 2455]
107	[214, 215]	2662	[4430, 22]	5217	[7207, 7208]	7772	[2468, 9197]
108	[216, 217]	2663	[4431, 4432]	5218	[7209, 4335]	7773	[6320, 6243]
109	[218, 219]	2664	[4433, 4434]	5219	[4470, 3906]	7774	[5377, 6940]
110	[220, 221]	2665	[1343, 4435]	5220	[1523, 7210]	7775	[5182, 9198]
111	[222, 223]	2666	[4436, 6]	5221	[7211, 4235]	7776	[9199, 630]
112	[224, 225]	2667	[4437, 4079]	5222	[3756, 3144]	7777	[5046, 899]
113	[226, 227]	2668	[4438, 480]	5223	[7212, 7213]	7778	[2017, 6371]
114	[228, 229]	2669	[4429, 4439]	5224	[4382, 7214]	7779	[6201, 9200]
115	[230, 231]	2670	[3172, 4440]	5225	[7215, 7216]	7780	[6252, 9201]
116	[232, 233]	2671	[1457, 4441]	5226	[70, 7217]	7781	[9202, 9148]
117	[234, 235]	2672	[4098, 1401]	5227	[4282, 7218]	7782	[219, 8839]
118	[236, 237]	2673	[4442, 4443]	5228	[1212, 7219]	7783	[5539, 141]
119	[238, 239]	2674	[3706, 4444]	5229	[7220, 7221]	7784	[2955, 2890]
120	[240, 241]	2675	[4445, 4217]	5230	[7222, 7223]	7785	[6185, 9203]
121	[242, 243]	2676	[1337, 1177]	5231	[7224, 3655]	7786	[4992, 778]
122	[244, 245]	2677	[4446, 1752]	5232	[7225, 7226]	7787	[9204, 9205]
123	[246, 247]	2678	[4447, 4448]	5233	[4851, 7227]	7788	[9206, 1835]
124	[248, 249]	2679	[1680, 4449]	5234	[7228, 4682]	7789	[2560, 2298]
125	[250, 251]	2680	[4417, 3781]	5235	[4482, 7229]	7790	[2621, 9207]
126	[252, 253]	2681	[4450, 4451]	5236	[3388, 3721]	7791	[8937, 9208]
127	[254, 255]	2682	[4452, 3385]	5237	[3846, 3298]	7792	[956, 5712]
128	[256, 257]	2683	[4453, 4454]	5238	[3375, 3953]	7793	[9163, 9209]
129	[258, 259]	2684	[4455, 3323]	5239	[4140, 7013]	7794	[9210, 9211]
130	[260, 261]	2685	[1170, 4456]	5240	[7230, 7231]	7795	[2085, 5594]
131	[262, 263]	2686	[4457, 4458]	5241	[4811, 4496]	7796	[840, 8980]
132	[264, 265]	2687	[4459, 4460]	5242	[1711, 7232]	7797	[565, 5035]
133	[266, 267]	2688	[3593, 4461]	5243	[4160, 7233]	7798	[9212, 9213]
134	[268, 269]	2689	[4300, 1225]	5244	[7234, 7235]	7799	[6880, 9214]
135	[270, 271]	2690	[4408, 1491]	5245	[3881, 4481]	7800	[5671, 5317]
136	[121, 272]	2691	[4462, 3182]	5246	[1726, 7236]	7801	[2339, 6087]
137	[273, 274]	2692	[4463, 4464]	5247	[7237, 7238]	7802	[6637, 6107]
138	[275, 276]	2693	[4465, 4466]	5248	[6958, 267]	7803	[9010, 9215]
139	[277, 278]	2694	[4467, 4468]	5249	[7239, 7240]	7804	[9216, 8752]
140	[279, 280]	2695	[4469, 3952]	5250	[7241, 7242]	7805	[6120, 5379]
141	[281, 282]	2696	[3345, 4470]	5251	[7243, 4302]	7806	[2619, 201]
142	[283, 284]	2697	[4471, 286]	5252	[4347, 7244]	7807	[5440, 6817]
143	[285, 286]	2698	[4472, 4473]	5253	[7245, 3479]	7808	[9217, 9218]

144	[287, 288]	2699	[4102, 4474]	5254	[7059, 7246]	7809	[547, 9219]
145	[289, 290]	2700	[4475, 1778]	5255	[7247, 7248]	7810	[8917, 9220]
146	[291, 292]	2701	[3634, 4476]	5256	[470, 258]	7811	[172, 5480]
147	[293, 294]	2702	[1094, 4477]	5257	[7022, 4477]	7812	[9221, 9222]
148	[295, 296]	2703	[4463, 4478]	5258	[3816, 7249]	7813	[9223, 2180]
149	[297, 298]	2704	[4479, 3912]	5259	[7250, 7251]	7814	[177, 2421]
150	[299, 300]	2705	[1721, 4480]	5260	[7252, 1792]	7815	[5089, 9224]
151	[301, 302]	2706	[110, 4481]	5261	[7253, 7254]	7816	[9217, 9225]
152	[117, 303]	2707	[4482, 4483]	5262	[273, 7255]	7817	[2344, 9226]
153	[304, 305]	2708	[4484, 4485]	5263	[7230, 7202]	7818	[669, 6386]
154	[306, 307]	2709	[1115, 3979]	5264	[405, 7256]	7819	[632, 9227]
155	[308, 309]	2710	[4486, 4487]	5265	[7257, 7258]	7820	[8871, 6561]
156	[310, 311]	2711	[4488, 4489]	5266	[7259, 7260]	7821	[8956, 8628]
157	[312, 313]	2712	[4490, 4491]	5267	[3187, 7261]	7822	[9228, 9229]
158	[314, 315]	2713	[4492, 4493]	5268	[7262, 7263]	7823	[2275, 5944]
159	[316, 254]	2714	[4494, 3994]	5269	[4451, 7264]	7824	[197, 9230]
160	[317, 318]	2715	[3789, 3428]	5270	[3583, 444]	7825	[5835, 9231]
161	[319, 320]	2716	[4495, 4496]	5271	[7265, 7266]	7826	[190, 754]
162	[321, 322]	2717	[4497, 4498]	5272	[4736, 1684]	7827	[6118, 9232]
163	[323, 324]	2718	[4499, 4500]	5273	[1460, 7267]	7828	[2196, 6845]
164	[325, 326]	2719	[4501, 3295]	5274	[7268, 7269]	7829	[47, 6594]
165	[327, 328]	2720	[4502, 4503]	5275	[3467, 7270]	7830	[5458, 2141]
166	[329, 330]	2721	[1056, 4504]	5276	[7271, 3977]	7831	[5678, 9233]
167	[331, 332]	2722	[4505, 1310]	5277	[7272, 7273]	7832	[6058, 9234]
168	[333, 334]	2723	[4506, 4507]	5278	[3450, 3253]	7833	[5238, 3050]
169	[335, 336]	2724	[4508, 1445]	5279	[3390, 4549]	7834	[6664, 9235]
170	[337, 338]	2725	[3230, 1144]	5280	[3513, 4935]	7835	[750, 6679]
171	[339, 340]	2726	[4509, 4510]	5281	[7274, 7275]	7836	[5619, 6699]
172	[341, 342]	2727	[4511, 4512]	5282	[3781, 4508]	7837	[3033, 2593]
173	[343, 344]	2728	[4513, 4514]	5283	[7276, 1084]	7838	[5463, 9236]
174	[97, 345]	2729	[3904, 4515]	5284	[7277, 7278]	7839	[9237, 9238]
175	[346, 347]	2730	[3754, 4516]	5285	[258, 7279]	7840	[2869, 5093]
176	[348, 349]	2731	[4517, 4518]	5286	[7280, 7281]	7841	[5666, 5014]
177	[350, 351]	2732	[4519, 4520]	5287	[1466, 7282]	7842	[2452, 2353]
178	[352, 353]	2733	[4521, 1673]	5288	[7269, 7283]	7843	[5941, 9239]
179	[354, 355]	2734	[4522, 4523]	5289	[7284, 7285]	7844	[9240, 737]
180	[356, 357]	2735	[4113, 3255]	5290	[7286, 7287]	7845	[5623, 9241]
181	[358, 359]	2736	[4524, 4525]	5291	[1051, 4895]	7846	[5189, 9242]
182	[360, 361]	2737	[960, 313]	5292	[7288, 7289]	7847	[2084, 9243]
183	[362, 363]	2738	[1380, 4526]	5293	[7290, 4732]	7848	[5875, 9244]
184	[364, 365]	2739	[4527, 4528]	5294	[7291, 3983]	7849	[830, 9245]
185	[366, 367]	2740	[4529, 4530]	5295	[3346, 3906]	7850	[3079, 9246]
186	[368, 369]	2741	[4531, 3455]	5296	[7048, 4141]	7851	[2265, 6069]
187	[370, 371]	2742	[1357, 4532]	5297	[7292, 7293]	7852	[6348, 9247]

188	[372, 373]	2743	[1622, 4533]	5298	[7294, 3289]	7853	[9248, 9249]
189	[374, 375]	2744	[4534, 4535]	5299	[1510, 7295]	7854	[9250, 9251]
190	[376, 377]	2745	[4536, 4537]	5300	[3206, 7296]	7855	[800, 2488]
191	[378, 379]	2746	[4538, 4539]	5301	[295, 7297]	7856	[6731, 5669]
192	[380, 381]	2747	[4540, 4121]	5302	[7298, 7299]	7857	[9211, 918]
193	[382, 383]	2748	[4541, 4542]	5303	[1018, 7300]	7858	[2807, 9252]
194	[384, 385]	2749	[4543, 3499]	5304	[7067, 377]	7859	[9083, 6875]
195	[386, 387]	2750	[4544, 4545]	5305	[3376, 3335]	7860	[9102, 9253]
196	[388, 389]	2751	[4546, 4547]	5306	[7301, 7301]	7861	[5427, 653]
197	[390, 391]	2752	[4548, 4549]	5307	[1024, 4379]	7862	[8981, 5062]
198	[392, 393]	2753	[4550, 4551]	5308	[403, 7302]	7863	[6206, 1808]
199	[394, 395]	2754	[3733, 3556]	5309	[3778, 7303]	7864	[9254, 5875]
200	[396, 397]	2755	[4552, 4553]	5310	[7304, 4657]	7865	[6416, 9255]
201	[398, 399]	2756	[4554, 4555]	5311	[4807, 4633]	7866	[6224, 6301]
202	[400, 401]	2757	[4556, 1550]	5312	[7305, 3473]	7867	[679, 2002]
203	[402, 403]	2758	[4557, 4558]	5313	[3986, 7306]	7868	[5647, 3098]
204	[404, 405]	2759	[4559, 4560]	5314	[1017, 7307]	7869	[5479, 2187]
205	[406, 407]	2760	[4199, 4561]	5315	[4681, 7308]	7870	[9256, 8869]
206	[408, 409]	2761	[4562, 4019]	5316	[475, 7309]	7871	[5340, 6205]
207	[410, 411]	2762	[1058, 4563]	5317	[7310, 1118]	7872	[2108, 6098]
208	[412, 413]	2763	[1640, 4564]	5318	[4892, 7311]	7873	[5932, 9257]
209	[414, 415]	2764	[4512, 4565]	5319	[7312, 3851]	7874	[3017, 9258]
210	[416, 417]	2765	[4566, 4567]	5320	[7313, 7085]	7875	[9259, 6407]
211	[418, 419]	2766	[4568, 4569]	5321	[1101, 7314]	7876	[6426, 9260]
212	[420, 421]	2767	[4570, 4571]	5322	[4317, 7315]	7877	[3042, 8729]
213	[422, 423]	2768	[3466, 4572]	5323	[1768, 3531]	7878	[9071, 5083]
214	[424, 425]	2769	[1261, 4573]	5324	[7316, 3636]	7879	[6194, 6518]
215	[426, 427]	2770	[4128, 1000]	5325	[1649, 1128]	7880	[6489, 939]
216	[428, 429]	2771	[4574, 4575]	5326	[447, 1409]	7881	[2270, 2188]
217	[322, 272]	2772	[3871, 3786]	5327	[7317, 7318]	7882	[5697, 5664]
218	[430, 431]	2773	[4576, 4233]	5328	[7319, 1510]	7883	[8921, 9261]
219	[432, 433]	2774	[4577, 4578]	5329	[7320, 3232]	7884	[5319, 9262]
220	[434, 435]	2775	[4579, 4580]	5330	[4748, 991]	7885	[9263, 9264]
221	[436, 437]	2776	[360, 4323]	5331	[7321, 7322]	7886	[2856, 9177]
222	[438, 439]	2777	[4581, 4582]	5332	[7136, 1682]	7887	[2449, 9265]
223	[440, 441]	2778	[4583, 4584]	5333	[7323, 7324]	7888	[8652, 5027]
224	[442, 443]	2779	[4585, 4586]	5334	[7325, 7047]	7889	[9029, 2766]
225	[444, 445]	2780	[1265, 4439]	5335	[7326, 7327]	7890	[9266, 9267]
226	[446, 447]	2781	[1117, 4587]	5336	[7328, 7329]	7891	[5758, 9268]
227	[448, 449]	2782	[4193, 1385]	5337	[1611, 3197]	7892	[9216, 9269]
228	[450, 451]	2783	[4588, 4589]	5338	[7330, 7331]	7893	[2906, 9270]
229	[452, 453]	2784	[4590, 4591]	5339	[7332, 7333]	7894	[8974, 9271]
230	[454, 455]	2785	[4592, 4593]	5340	[4418, 4198]	7895	[6007, 9272]
231	[456, 457]	2786	[3257, 4594]	5341	[7334, 7335]	7896	[9273, 6044]

232	[458, 459]	2787	[4595, 4596]	5342	[7336, 7337]	7897	[6496, 2652]
233	[460, 461]	2788	[4492, 4597]	5343	[7338, 7339]	7898	[1872, 9274]
234	[462, 463]	2789	[4598, 4065]	5344	[3719, 4062]	7899	[6772, 8766]
235	[464, 465]	2790	[4599, 4600]	5345	[3678, 7340]	7900	[6231, 9275]
236	[466, 467]	2791	[4601, 4602]	5346	[6977, 1414]	7901	[8956, 9178]
237	[468, 469]	2792	[3627, 977]	5347	[4617, 7341]	7902	[5275, 9276]
238	[470, 471]	2793	[4418, 4508]	5348	[7342, 7343]	7903	[8843, 6503]
239	[472, 473]	2794	[4603, 4604]	5349	[7344, 7345]	7904	[5791, 863]
240	[474, 475]	2795	[4605, 4606]	5350	[7346, 7347]	7905	[3062, 9277]
241	[476, 477]	2796	[4607, 4608]	5351	[7348, 7349]	7906	[2200, 9278]
242	[478, 479]	2797	[3355, 4609]	5352	[3394, 7350]	7907	[6031, 9279]
243	[480, 481]	2798	[4610, 3957]	5353	[3518, 7351]	7908	[2287, 9267]
244	[482, 483]	2799	[4611, 973]	5354	[7325, 3844]	7909	[635, 9280]
245	[484, 485]	2800	[3128, 4612]	5355	[3735, 7352]	7910	[9281, 3103]
246	[486, 487]	2801	[4613, 4614]	5356	[73, 4818]	7911	[5734, 9282]
247	[488, 489]	2802	[4615, 4616]	5357	[7353, 7354]	7912	[2031, 9283]
248	[490, 491]	2803	[3582, 4617]	5358	[4345, 7355]	7913	[6153, 9130]
249	[492, 493]	2804	[4618, 4619]	5359	[4571, 7356]	7914	[6804, 2947]
250	[494, 495]	2805	[4038, 4620]	5360	[7357, 7358]	7915	[165, 9284]
251	[496, 497]	2806	[4621, 1677]	5361	[3543, 7194]	7916	[5231, 2414]
252	[498, 499]	2807	[4622, 4623]	5362	[7359, 7360]	7917	[6610, 8983]
253	[500, 501]	2808	[3633, 4624]	5363	[1078, 1573]	7918	[2328, 5787]
254	[502, 503]	2809	[4625, 4626]	5364	[4745, 7361]	7919	[2064, 1932]
255	[504, 505]	2810	[288, 1110]	5365	[7362, 344]	7920	[9285, 9286]
256	[506, 507]	2811	[1158, 4627]	5366	[7363, 7364]	7921	[1828, 9287]
257	[508, 509]	2812	[4628, 4629]	5367	[1319, 1771]	7922	[5660, 5605]
258	[510, 511]	2813	[1492, 120]	5368	[7365, 7366]	7923	[6205, 5845]
259	[512, 513]	2814	[3769, 4630]	5369	[7021, 4226]	7924	[9288, 9289]
260	[514, 515]	2815	[396, 4180]	5370	[7367, 7368]	7925	[245, 8841]
261	[516, 517]	2816	[4631, 3872]	5371	[4557, 7369]	7926	[5328, 505]
262	[518, 519]	2817	[3705, 4632]	5372	[7370, 7371]	7927	[6204, 2822]
263	[520, 192]	2818	[4633, 4634]	5373	[4753, 7372]	7928	[1980, 225]
264	[521, 522]	2819	[4635, 4636]	5374	[3649, 4777]	7929	[2192, 9290]
265	[523, 524]	2820	[4637, 4039]	5375	[7373, 7374]	7930	[5536, 5581]
266	[525, 526]	2821	[4638, 3548]	5376	[4123, 7375]	7931	[5220, 9190]
267	[527, 528]	2822	[4639, 3866]	5377	[7376, 4473]	7932	[9053, 9113]
268	[529, 530]	2823	[4640, 1776]	5378	[7350, 1201]	7933	[5373, 9291]
269	[531, 532]	2824	[3504, 298]	5379	[7323, 3830]	7934	[957, 1971]
270	[533, 534]	2825	[4641, 4503]	5380	[7377, 7378]	7935	[6620, 9292]
271	[535, 536]	2826	[4642, 3913]	5381	[356, 7379]	7936	[5239, 1844]
272	[537, 538]	2827	[4643, 4644]	5382	[7380, 7381]	7937	[2589, 9224]
273	[539, 540]	2828	[3134, 4645]	5383	[7382, 4932]	7938	[5137, 631]
274	[541, 542]	2829	[4220, 4646]	5384	[434, 7383]	7939	[2527, 5149]
275	[543, 544]	2830	[4647, 3642]	5385	[7384, 4683]	7940	[5854, 6802]

276	[545, 546]	2831	[4648, 4649]	5386	[7385, 7386]	7941	[6433, 9293]
277	[547, 548]	2832	[4501, 4650]	5387	[1536, 7387]	7942	[9069, 9078]
278	[549, 550]	2833	[4651, 4652]	5388	[7388, 3901]	7943	[9294, 5394]
279	[551, 552]	2834	[4653, 1539]	5389	[3728, 4944]	7944	[9281, 6655]
280	[553, 554]	2835	[4654, 4655]	5390	[1164, 3795]	7945	[9295, 165]
281	[555, 556]	2836	[4656, 4657]	5391	[7389, 7390]	7946	[6685, 9296]
282	[557, 558]	2837	[4588, 4658]	5392	[1514, 7391]	7947	[226, 6089]
283	[559, 560]	2838	[4659, 4660]	5393	[3482, 4218]	7948	[9297, 9298]
284	[561, 562]	2839	[4661, 4662]	5394	[7392, 1663]	7949	[9299, 6313]
285	[563, 564]	2840	[4663, 4664]	5395	[7393, 7394]	7950	[8700, 8920]
286	[565, 566]	2841	[416, 3409]	5396	[7395, 4148]	7951	[2671, 6747]
287	[567, 568]	2842	[3759, 4665]	5397	[7396, 7397]	7952	[6682, 6654]
288	[569, 570]	2843	[4666, 3963]	5398	[7398, 3702]	7953	[5401, 823]
289	[571, 572]	2844	[4667, 4668]	5399	[7399, 7400]	7954	[6220, 9300]
290	[573, 574]	2845	[254, 4669]	5400	[4161, 1217]	7955	[9153, 8877]
291	[575, 576]	2846	[4670, 4671]	5401	[7401, 3578]	7956	[8678, 8896]
292	[577, 578]	2847	[4672, 4673]	5402	[1064, 7402]	7957	[9301, 6061]
293	[579, 580]	2848	[4674, 4675]	5403	[7403, 7404]	7958	[5041, 6421]
294	[581, 582]	2849	[1190, 4676]	5404	[7405, 7406]	7959	[1830, 1799]
295	[583, 584]	2850	[4677, 310]	5405	[1175, 7407]	7960	[2166, 9302]
296	[585, 586]	2851	[3458, 4678]	5406	[4324, 7408]	7961	[5341, 5845]
297	[587, 588]	2852	[4679, 4680]	5407	[7409, 7410]	7962	[9303, 6688]
298	[589, 590]	2853	[4681, 4682]	5408	[7224, 7411]	7963	[9285, 8868]
299	[591, 592]	2854	[4683, 1547]	5409	[7412, 7413]	7964	[9304, 9037]
300	[593, 594]	2855	[3234, 1038]	5410	[7414, 7415]	7965	[218, 3066]
301	[220, 595]	2856	[1107, 4028]	5411	[3478, 7416]	7966	[6693, 2218]
302	[596, 597]	2857	[1247, 1733]	5412	[7417, 7418]	7967	[5977, 2315]
303	[598, 599]	2858	[3487, 1047]	5413	[7353, 7419]	7968	[579, 2974]
304	[600, 601]	2859	[4684, 4685]	5414	[7280, 7420]	7969	[9305, 1871]
305	[602, 513]	2860	[4686, 4167]	5415	[7421, 7422]	7970	[9306, 5128]
306	[603, 604]	2861	[4687, 1577]	5416	[7174, 4687]	7971	[9307, 2680]
307	[605, 606]	2862	[1453, 86]	5417	[1679, 4679]	7972	[8807, 9308]
308	[607, 608]	2863	[3351, 4688]	5418	[7020, 7423]	7973	[9309, 128]
309	[37, 609]	2864	[4689, 3983]	5419	[3211, 7424]	7974	[6430, 5049]
310	[610, 611]	2865	[4690, 4691]	5420	[7020, 4754]	7975	[2989, 9310]
311	[612, 613]	2866	[4692, 3690]	5421	[7425, 7426]	7976	[9311, 928]
312	[614, 615]	2867	[492, 3581]	5422	[7427, 7428]	7977	[9312, 9313]
313	[616, 617]	2868	[962, 4693]	5423	[7429, 7430]	7978	[5561, 8818]
314	[618, 619]	2869	[3571, 4694]	5424	[7068, 7431]	7979	[6785, 9314]
315	[620, 621]	2870	[4695, 1026]	5425	[7432, 7433]	7980	[9315, 613]
316	[622, 623]	2871	[4696, 4697]	5426	[4479, 7434]	7981	[9316, 9317]
317	[624, 625]	2872	[4698, 4699]	5427	[7435, 1552]	7982	[1914, 9245]
318	[626, 601]	2873	[4700, 4701]	5428	[7436, 7437]	7983	[6141, 5731]
319	[627, 628]	2874	[4477, 4702]	5429	[3866, 1405]	7984	[2208, 5863]

320	[629, 630]	2875	[4703, 4704]	5430	[7247, 7438]	7985	[2042, 4984]
321	[631, 632]	2876	[4705, 4706]	5431	[3224, 3599]	7986	[2135, 9318]
322	[633, 634]	2877	[4707, 4708]	5432	[7439, 7440]	7987	[8883, 9319]
323	[635, 636]	2878	[333, 4709]	5433	[7441, 7442]	7988	[9320, 9321]
324	[637, 638]	2879	[1445, 4710]	5434	[4628, 7443]	7989	[2941, 6280]
325	[639, 640]	2880	[4384, 4711]	5435	[4707, 7444]	7990	[9322, 9323]
326	[641, 642]	2881	[4712, 4713]	5436	[7445, 7446]	7991	[9324, 5945]
327	[643, 644]	2882	[4714, 1010]	5437	[7447, 3252]	7992	[6768, 9325]
328	[645, 646]	2883	[4715, 4716]	5438	[7448, 3242]	7993	[13, 3042]
329	[647, 648]	2884	[4717, 4718]	5439	[1779, 69]	7994	[6507, 5088]
330	[649, 650]	2885	[4719, 1766]	5440	[7449, 7450]	7995	[2804, 6324]
331	[651, 652]	2886	[971, 4720]	5441	[1733, 7451]	7996	[9326, 8998]
332	[653, 654]	2887	[4721, 4722]	5442	[3209, 7093]	7997	[5130, 5455]
333	[655, 656]	2888	[4723, 4724]	5443	[4052, 7452]	7998	[2790, 5544]
334	[657, 62]	2889	[4725, 4726]	5444	[7173, 7214]	7999	[2176, 9327]
335	[658, 659]	2890	[4727, 4728]	5445	[4814, 7453]	8000	[5441, 6030]
336	[535, 660]	2891	[3372, 4729]	5446	[7454, 7455]	8001	[2816, 2274]
337	[661, 662]	2892	[471, 259]	5447	[7456, 4109]	8002	[6765, 9300]
338	[562, 663]	2893	[4730, 4731]	5448	[7457, 7458]	8003	[2074, 9328]
339	[664, 665]	2894	[4732, 3933]	5449	[3577, 7459]	8004	[6811, 9329]
340	[666, 667]	2895	[4733, 4734]	5450	[7460, 7080]	8005	[2304, 9330]
341	[668, 669]	2896	[3574, 4114]	5451	[4902, 7461]	8006	[5621, 1826]
342	[670, 671]	2897	[4735, 4736]	5452	[4174, 7462]	8007	[2745, 9331]
343	[672, 673]	2898	[4737, 4738]	5453	[7463, 7464]	8008	[144, 5312]
344	[674, 675]	2899	[4739, 4740]	5454	[7465, 7466]	8009	[684, 6519]
345	[676, 677]	2900	[4303, 1512]	5455	[4872, 7467]	8010	[9332, 9333]
346	[678, 679]	2901	[4741, 3804]	5456	[3623, 354]	8011	[5238, 5112]
347	[680, 681]	2902	[4742, 4743]	5457	[7468, 3416]	8012	[8892, 9324]
348	[682, 683]	2903	[4744, 3976]	5458	[1503, 3721]	8013	[6446, 2292]
349	[684, 685]	2904	[4252, 974]	5459	[7469, 7470]	8014	[9059, 9334]
350	[686, 687]	2905	[4745, 4746]	5460	[7471, 7472]	8015	[8742, 6094]
351	[688, 577]	2906	[4647, 4747]	5461	[3721, 1749]	8016	[6145, 32]
352	[689, 690]	2907	[4748, 3305]	5462	[1297, 4458]	8017	[1935, 3086]
353	[691, 692]	2908	[4749, 4750]	5463	[7473, 3925]	8018	[904, 5214]
354	[693, 694]	2909	[3149, 1071]	5464	[7474, 4180]	8019	[699, 2536]
355	[695, 696]	2910	[3438, 3772]	5465	[7475, 6962]	8020	[9332, 9335]
356	[697, 698]	2911	[1186, 4751]	5466	[1317, 1719]	8021	[6295, 8850]
357	[699, 700]	2912	[4752, 3551]	5467	[7382, 7476]	8022	[6131, 8755]
358	[701, 702]	2913	[1108, 1664]	5468	[3312, 1604]	8023	[1874, 595]
359	[703, 704]	2914	[3396, 1394]	5469	[7477, 1013]	8024	[1796, 5849]
360	[668, 705]	2915	[4753, 4571]	5470	[7478, 4581]	8025	[1799, 6469]
361	[706, 707]	2916	[4754, 4755]	5471	[7479, 7480]	8026	[6255, 8768]
362	[708, 709]	2917	[4756, 4520]	5472	[7481, 7482]	8027	[9336, 9337]
363	[710, 711]	2918	[1295, 4757]	5473	[4090, 7483]	8028	[9338, 5356]

364	[712, 713]	2919	[1387, 4758]	5474	[7484, 7485]	8029	[5014, 2418]
365	[714, 715]	2920	[4663, 4759]	5475	[1425, 7486]	8030	[5416, 6073]
366	[716, 717]	2921	[1556, 4760]	5476	[7487, 1502]	8031	[5091, 6133]
367	[718, 719]	2922	[4761, 4762]	5477	[4083, 4151]	8032	[5771, 3044]
368	[720, 721]	2923	[4763, 3229]	5478	[1246, 1732]	8033	[9339, 9340]
369	[722, 723]	2924	[4764, 4427]	5479	[1577, 3632]	8034	[2196, 6165]
370	[724, 725]	2925	[4765, 3117]	5480	[7488, 7489]	8035	[1844, 5901]
371	[726, 727]	2926	[3217, 4766]	5481	[7490, 7105]	8036	[6669, 6237]
372	[728, 729]	2927	[4767, 4597]	5482	[3185, 4485]	8037	[2926, 857]
373	[730, 731]	2928	[3542, 4768]	5483	[7491, 4666]	8038	[5350, 5389]
374	[732, 733]	2929	[366, 4769]	5484	[4670, 7492]	8039	[9341, 9342]
375	[734, 735]	2930	[4770, 4771]	5485	[7493, 1758]	8040	[6200, 9343]
376	[736, 737]	2931	[4772, 4648]	5486	[7494, 1055]	8041	[9175, 8763]
377	[738, 739]	2932	[995, 4773]	5487	[3437, 1269]	8042	[8894, 9344]
378	[740, 741]	2933	[1646, 4774]	5488	[7495, 7261]	8043	[6470, 9345]
379	[742, 743]	2934	[4775, 4776]	5489	[3987, 7496]	8044	[5599, 2083]
380	[744, 745]	2935	[4777, 4778]	5490	[7497, 3115]	8045	[2625, 6684]
381	[746, 747]	2936	[4256, 1637]	5491	[4809, 1259]	8046	[9156, 9346]
382	[748, 749]	2937	[4779, 4780]	5492	[4859, 4118]	8047	[2258, 6556]
383	[750, 689]	2938	[4781, 3212]	5493	[7498, 7499]	8048	[2202, 2204]
384	[751, 752]	2939	[4782, 4783]	5494	[5781, 7301]	8049	[8870, 8758]
385	[753, 754]	2940	[3576, 4331]	5495	[7500, 4616]	8050	[2122, 678]
386	[755, 756]	2941	[4784, 4785]	5496	[7501, 7502]	8051	[2260, 9013]
387	[757, 758]	2942	[4786, 4787]	5497	[7503, 4064]	8052	[9347, 9348]
388	[759, 760]	2943	[4788, 4789]	5498	[7504, 306]	8053	[9349, 9350]
389	[8, 761]	2944	[1481, 4790]	5499	[7505, 4408]	8054	[8867, 9286]
390	[762, 759]	2945	[3733, 4791]	5500	[1437, 7506]	8055	[9351, 6731]
391	[763, 764]	2946	[3418, 4209]	5501	[1069, 7507]	8056	[6076, 9352]
392	[765, 766]	2947	[4792, 4793]	5502	[4515, 4133]	8057	[8658, 5208]
393	[767, 768]	2948	[1374, 4794]	5503	[7508, 3153]	8058	[9353, 5887]
394	[769, 770]	2949	[4795, 4796]	5504	[7475, 18]	8059	[5457, 6322]
395	[771, 772]	2950	[3864, 1747]	5505	[7111, 7509]	8060	[9304, 6741]
396	[546, 773]	2951	[1638, 4797]	5506	[1493, 1346]	8061	[5284, 5828]
397	[774, 775]	2952	[4798, 4799]	5507	[4954, 7510]	8062	[6147, 9354]
398	[596, 776]	2953	[4800, 4490]	5508	[3397, 7511]	8063	[5842, 6702]
399	[777, 778]	2954	[1580, 4669]	5509	[7001, 354]	8064	[2567, 9355]
400	[779, 780]	2955	[3829, 4801]	5510	[7512, 1350]	8065	[5166, 9356]
401	[781, 782]	2956	[4313, 4802]	5511	[3612, 4019]	8066	[6875, 5938]
402	[783, 784]	2957	[4735, 1683]	5512	[7252, 4250]	8067	[9051, 9161]
403	[785, 786]	2958	[1095, 4803]	5513	[452, 7513]	8068	[9254, 8913]
404	[787, 788]	2959	[4804, 4805]	5514	[4575, 3490]	8069	[2592, 9176]
405	[789, 790]	2960	[4806, 4807]	5515	[7514, 7515]	8070	[5998, 3010]
406	[791, 792]	2961	[278, 4808]	5516	[7516, 4542]	8071	[6077, 764]
407	[224, 793]	2962	[3392, 4809]	5517	[7517, 7518]	8072	[5647, 6601]

408	[794, 795]	2963	[4810, 4811]	5518	[4000, 7519]	8073	[9067, 953]
409	[796, 797]	2964	[3228, 975]	5519	[7520, 7521]	8074	[2427, 6391]
410	[798, 799]	2965	[4807, 256]	5520	[7411, 426]	8075	[5199, 567]
411	[800, 801]	2966	[3526, 4812]	5521	[7522, 7523]	8076	[9253, 658]
412	[802, 803]	2967	[3560, 4813]	5522	[7524, 7525]	8077	[9357, 5506]
413	[804, 805]	2968	[4814, 4815]	5523	[4219, 7526]	8078	[2423, 9358]
414	[35, 806]	2969	[4816, 4817]	5524	[7527, 7528]	8079	[6798, 5732]
415	[807, 808]	2970	[89, 4818]	5525	[4741, 7529]	8080	[1996, 9359]
416	[809, 810]	2971	[4819, 4820]	5526	[4453, 7208]	8081	[6185, 9360]
417	[811, 812]	2972	[4821, 4822]	5527	[7530, 3184]	8082	[5910, 8854]
418	[813, 814]	2973	[4823, 4824]	5528	[7531, 1451]	8083	[184, 9361]
419	[815, 816]	2974	[4084, 4152]	5529	[4123, 1447]	8084	[2047, 648]
420	[817, 818]	2975	[4825, 3892]	5530	[4124, 7532]	8085	[2678, 5184]
421	[819, 820]	2976	[1208, 4826]	5531	[3223, 7166]	8086	[2041, 4983]
422	[821, 822]	2977	[3123, 1575]	5532	[3883, 7165]	8087	[6572, 6007]
423	[823, 824]	2978	[287, 1109]	5533	[3373, 7533]	8088	[8794, 2009]
424	[825, 826]	2979	[83, 1486]	5534	[3179, 7534]	8089	[5838, 9362]
425	[827, 828]	2980	[4827, 4828]	5535	[7535, 7536]	8090	[6347, 774]
426	[829, 830]	2981	[481, 4829]	5536	[7537, 7538]	8091	[138, 8687]
427	[831, 832]	2982	[4830, 4831]	5537	[7539, 7540]	8092	[5162, 8765]
428	[833, 834]	2983	[4832, 4015]	5538	[3605, 7541]	8093	[5372, 9363]
429	[835, 836]	2984	[3212, 4833]	5539	[7110, 7542]	8094	[2599, 6563]
430	[837, 838]	2985	[4834, 3189]	5540	[1062, 7543]	8095	[5555, 9364]
431	[839, 840]	2986	[256, 4634]	5541	[7544, 7545]	8096	[2299, 8911]
432	[841, 842]	2987	[4835, 4836]	5542	[1498, 7546]	8097	[9365, 2057]
433	[843, 54]	2988	[4837, 3799]	5543	[4033, 3916]	8098	[2937, 5779]
434	[844, 845]	2989	[3116, 4838]	5544	[4065, 3646]	8099	[6562, 2600]
435	[12, 846]	2990	[4839, 3606]	5545	[4600, 7547]	8100	[5926, 5011]
436	[847, 848]	2991	[4840, 4184]	5546	[7548, 7549]	8101	[8959, 8936]
437	[849, 850]	2992	[4841, 376]	5547	[7550, 7318]	8102	[6239, 9366]
438	[851, 852]	2993	[4842, 4843]	5548	[7086, 1687]	8103	[2519, 9367]
439	[853, 735]	2994	[4844, 487]	5549	[7551, 3604]	8104	[5154, 2689]
440	[854, 855]	2995	[4845, 4846]	5550	[3456, 7552]	8105	[9104, 5135]
441	[856, 857]	2996	[1592, 4847]	5551	[7553, 7554]	8106	[5586, 6401]
442	[858, 859]	2997	[298, 4848]	5552	[4269, 7511]	8107	[9368, 3003]
443	[860, 861]	2998	[1211, 3916]	5553	[314, 7555]	8108	[6139, 2172]
444	[862, 863]	2999	[4849, 1087]	5554	[7556, 7557]	8109	[8776, 9136]
445	[864, 696]	3000	[4850, 4805]	5555	[7558, 7559]	8110	[2307, 9369]
446	[865, 866]	3001	[4851, 4390]	5556	[7560, 1243]	8111	[9370, 2983]
447	[867, 868]	3002	[4852, 4853]	5557	[4924, 4749]	8112	[5397, 8969]
448	[869, 47]	3003	[4854, 4005]	5558	[7561, 308]	8113	[8982, 8689]
449	[870, 871]	3004	[4855, 3380]	5559	[7562, 7563]	8114	[2372, 9371]
450	[612, 872]	3005	[4856, 4857]	5560	[7564, 3564]	8115	[5172, 584]
451	[873, 874]	3006	[4858, 1107]	5561	[4170, 4841]	8116	[9372, 2744]

452	[875, 876]	3007	[4859, 4860]	5562	[4717, 7565]	8117	[8962, 6070]
453	[877, 609]	3008	[4380, 1785]	5563	[3803, 7529]	8118	[9041, 2772]
454	[878, 879]	3009	[4861, 4862]	5564	[7566, 3460]	8119	[2252, 6311]
455	[880, 881]	3010	[4863, 4864]	5565	[7567, 7568]	8120	[8907, 9373]
456	[882, 883]	3011	[4865, 3112]	5566	[3204, 7569]	8121	[9374, 891]
457	[884, 885]	3012	[4866, 4867]	5567	[7570, 3475]	8122	[5055, 6013]
458	[886, 887]	3013	[4868, 1301]	5568	[1281, 7571]	8123	[9228, 9375]
459	[888, 889]	3014	[4869, 4870]	5569	[7572, 4130]	8124	[563, 2412]
460	[890, 891]	3015	[4871, 4872]	5570	[7573, 7574]	8125	[6154, 6453]
461	[892, 893]	3016	[4873, 4874]	5571	[7575, 7225]	8126	[5960, 5378]
462	[894, 895]	3017	[4875, 4876]	5572	[7576, 7110]	8127	[9210, 661]
463	[896, 897]	3018	[3606, 4877]	5573	[7577, 7578]	8128	[5914, 562]
464	[898, 899]	3019	[4878, 4879]	5574	[7579, 7580]	8129	[9002, 5333]
465	[900, 901]	3020	[3531, 4052]	5575	[7581, 7582]	8130	[5544, 9376]
466	[902, 903]	3021	[4880, 3510]	5576	[7583, 7506]	8131	[5510, 710]
467	[904, 905]	3022	[1144, 4881]	5577	[4794, 7584]	8132	[2098, 2585]
468	[906, 907]	3023	[4882, 3920]	5578	[7585, 1594]	8133	[9377, 9378]
469	[908, 909]	3024	[4883, 4884]	5579	[7586, 7587]	8134	[2142, 9379]
470	[910, 512]	3025	[4885, 4886]	5580	[1207, 1347]	8135	[4982, 2779]
471	[911, 791]	3026	[4703, 3248]	5581	[7588, 7589]	8136	[9380, 9381]
472	[912, 913]	3027	[1133, 4887]	5582	[7590, 1628]	8137	[1915, 9382]
473	[914, 915]	3028	[4888, 4889]	5583	[7591, 1325]	8138	[2707, 6554]
474	[916, 917]	3029	[4890, 4266]	5584	[7592, 7593]	8139	[9383, 9209]
475	[661, 918]	3030	[1091, 4142]	5585	[7594, 7595]	8140	[3016, 2229]
476	[791, 919]	3031	[3720, 4063]	5586	[7596, 7515]	8141	[9336, 9384]
477	[920, 921]	3032	[3334, 4891]	5587	[4283, 7597]	8142	[5481, 1922]
478	[922, 923]	3033	[3302, 4892]	5588	[1710, 4011]	8143	[214, 2644]
479	[924, 925]	3034	[4893, 4894]	5589	[7598, 1505]	8144	[6143, 2860]
480	[926, 927]	3035	[3824, 4895]	5590	[7599, 4773]	8145	[689, 9385]
481	[928, 929]	3036	[4896, 4897]	5591	[7600, 1652]	8146	[6068, 2284]
482	[930, 931]	3037	[4898, 4899]	5592	[1581, 4259]	8147	[924, 9386]
483	[932, 933]	3038	[121, 4900]	5593	[7601, 7602]	8148	[2317, 1845]
484	[934, 935]	3039	[1580, 255]	5594	[7603, 7604]	8149	[5826, 2354]
485	[936, 937]	3040	[3385, 4901]	5595	[7605, 7606]	8150	[5715, 2181]
486	[938, 939]	3041	[4902, 4903]	5596	[6, 7607]	8151	[9223, 5715]
487	[940, 941]	3042	[4904, 4905]	5597	[7608, 4166]	8152	[8825, 8621]
488	[942, 943]	3043	[4906, 4907]	5598	[4409, 7396]	8153	[9316, 9387]
489	[944, 945]	3044	[4908, 4909]	5599	[3799, 4514]	8154	[2060, 9388]
490	[946, 947]	3045	[4910, 4264]	5600	[1428, 7609]	8155	[6596, 9389]
491	[948, 949]	3046	[4911, 1525]	5601	[1687, 7236]	8156	[5192, 5816]
492	[686, 950]	3047	[4912, 3892]	5602	[7610, 7533]	8157	[8760, 5966]
493	[951, 952]	3048	[321, 121]	5603	[7171, 7611]	8158	[6518, 9141]
494	[953, 954]	3049	[410, 4913]	5604	[7612, 378]	8159	[2255, 9390]
495	[955, 956]	3050	[4914, 4915]	5605	[7613, 3676]	8160	[6133, 9391]

496	[633, 681]	3051	[123, 4916]	5606	[7614, 7552]	8161	[6736, 9392]
497	[957, 958]	3052	[1533, 4917]	5607	[7615, 3146]	8162	[518, 2931]
498	[959, 960]	3053	[4338, 4918]	5608	[4480, 7616]	8163	[9393, 6096]
499	[961, 962]	3054	[4919, 1105]	5609	[1159, 1359]	8164	[9349, 6944]
500	[963, 964]	3055	[4920, 4921]	5610	[7617, 3284]	8165	[6709, 6376]
501	[965, 966]	3056	[4272, 4922]	5611	[4014, 7618]	8166	[6019, 9394]
502	[967, 968]	3057	[4923, 1309]	5612	[1583, 7619]	8167	[9395, 9049]
503	[969, 970]	3058	[4924, 4523]	5613	[1330, 4686]	8168	[8813, 9180]
504	[971, 972]	3059	[4923, 4146]	5614	[7620, 7621]	8169	[9396, 9397]
505	[973, 974]	3060	[4925, 1618]	5615	[3282, 7622]	8170	[9130, 9398]
506	[975, 976]	3061	[1022, 4926]	5616	[3580, 493]	8171	[5209, 5819]
507	[977, 978]	3062	[3160, 4927]	5617	[7623, 7624]	8172	[9039, 2150]
508	[260, 979]	3063	[4928, 4929]	5618	[3419, 3979]	8173	[9399, 5636]
509	[980, 981]	3064	[1392, 4930]	5619	[3577, 3692]	8174	[8787, 2388]
510	[982, 983]	3065	[4931, 4932]	5620	[4387, 7625]	8175	[9108, 5025]
511	[984, 985]	3066	[3607, 4933]	5621	[3855, 7626]	8176	[5498, 8851]
512	[986, 987]	3067	[431, 4934]	5622	[4911, 7627]	8177	[5703, 138]
513	[988, 989]	3068	[4935, 1657]	5623	[7628, 6985]	8178	[9400, 9401]
514	[990, 991]	3069	[4936, 4937]	5624	[7629, 1326]	8179	[9402, 5703]
515	[992, 361]	3070	[3347, 1289]	5625	[7630, 4406]	8180	[6178, 5379]
516	[993, 994]	3071	[4938, 1342]	5626	[1160, 3274]	8181	[8889, 5650]
517	[995, 996]	3072	[4939, 1339]	5627	[1156, 7631]	8182	[9403, 5772]
518	[997, 998]	3073	[446, 1408]	5628	[7632, 971]	8183	[9404, 9405]
519	[999, 1000]	3074	[4940, 4920]	5629	[7633, 4721]	8184	[6757, 9406]
520	[1001, 1002]	3075	[4941, 1061]	5630	[3168, 7634]	8185	[6838, 9407]
521	[1003, 1004]	3076	[4942, 4943]	5631	[7635, 7636]	8186	[6282, 6651]
522	[1005, 1006]	3077	[1123, 4256]	5632	[3685, 7637]	8187	[6867, 9408]
523	[1007, 1008]	3078	[4871, 4944]	5633	[7638, 7639]	8188	[9409, 6551]
524	[1009, 1010]	3079	[4945, 4946]	5634	[3758, 3726]	8189	[5344, 2400]
525	[1011, 1012]	3080	[4698, 4628]	5635	[7640, 7641]	8190	[2319, 5140]
526	[1013, 1014]	3081	[119, 4871]	5636	[7642, 7643]	8191	[9410, 511]
527	[1015, 1016]	3082	[4947, 4948]	5637	[7644, 7645]	8192	[8905, 5033]
528	[427, 1017]	3083	[1672, 4949]	5638	[4365, 7646]	8193	[2616, 6520]
529	[1018, 1019]	3084	[4950, 4951]	5639	[7647, 7648]	8194	[9411, 767]
530	[1020, 1021]	3085	[1158, 1650]	5640	[7649, 7650]	8195	[8860, 9412]
531	[1022, 1023]	3086	[4462, 4145]	5641	[7651, 4793]	8196	[2195, 6164]
532	[1024, 329]	3087	[4952, 4953]	5642	[4691, 7652]	8197	[8624, 6329]
533	[1025, 1026]	3088	[1394, 4954]	5643	[7237, 7653]	8198	[9020, 5750]
534	[1027, 1028]	3089	[4172, 4955]	5644	[7654, 7655]	8199	[6629, 6942]
535	[1029, 984]	3090	[4956, 4957]	5645	[7656, 3751]	8200	[6477, 8914]
536	[1030, 1031]	3091	[4574, 3489]	5646	[1303, 7135]	8201	[9370, 171]
537	[1032, 1033]	3092	[1447, 4958]	5647	[7657, 1014]	8202	[9242, 8657]
538	[1034, 1035]	3093	[4959, 4960]	5648	[4565, 7658]	8203	[9413, 153]
539	[1036, 1037]	3094	[4961, 3121]	5649	[7659, 7660]	8204	[6430, 5100]

540	[1038, 1039]	3095	[3197, 4962]	5650	[7537, 4073]	8205	[2815, 9265]
541	[1040, 1041]	3096	[4963, 4964]	5651	[7661, 6986]	8206	[9111, 9414]
542	[1042, 1043]	3097	[4965, 4396]	5652	[4890, 7662]	8207	[2357, 6635]
543	[1044, 1045]	3098	[4948, 4966]	5653	[7663, 3200]	8208	[5869, 9415]
544	[1046, 1047]	3099	[1014, 4967]	5654	[3114, 7664]	8209	[9416, 2494]
545	[1048, 1049]	3100	[4968, 4969]	5655	[7665, 7666]	8210	[1950, 8813]
546	[1050, 1051]	3101	[1050, 3824]	5656	[7299, 7667]	8211	[6122, 5912]
547	[1052, 1053]	3102	[4970, 486]	5657	[4472, 7484]	8212	[830, 9417]
548	[1054, 1055]	3103	[4971, 4972]	5658	[3212, 7668]	8213	[6584, 8770]
549	[1056, 1057]	3104	[4973, 1865]	5659	[7669, 4691]	8214	[9418, 2258]
550	[1058, 1059]	3105	[4974, 4975]	5660	[118, 7670]	8215	[8873, 6771]
551	[1060, 1061]	3106	[4976, 4977]	5661	[1504, 1749]	8216	[9072, 168]
552	[1062, 1063]	3107	[156, 4978]	5662	[7671, 1322]	8217	[9206, 172]
553	[1064, 1065]	3108	[4979, 194]	5663	[4896, 7672]	8218	[5475, 9419]
554	[1066, 1067]	3109	[4980, 1863]	5664	[7673, 7430]	8219	[5533, 5512]
555	[1068, 1069]	3110	[4981, 4982]	5665	[7674, 7675]	8220	[9420, 8651]
556	[1070, 1071]	3111	[2800, 2216]	5666	[4719, 7676]	8221	[2532, 9421]
557	[1072, 1073]	3112	[4983, 4984]	5667	[3589, 7677]	8222	[6857, 9422]
558	[1074, 1075]	3113	[2571, 4985]	5668	[3391, 7678]	8223	[2131, 9423]
559	[1076, 1077]	3114	[4986, 4987]	5669	[7073, 3557]	8224	[5103, 1872]
560	[1078, 1079]	3115	[4988, 4989]	5670	[7389, 7679]	8225	[5604, 190]
561	[1080, 1081]	3116	[4990, 4991]	5671	[7680, 7681]	8226	[712, 9424]
562	[342, 1082]	3117	[4992, 2867]	5672	[7682, 7155]	8227	[9399, 2395]
563	[1029, 1083]	3118	[1860, 4993]	5673	[7683, 4913]	8228	[6146, 4994]
564	[1084, 1085]	3119	[32, 4994]	5674	[7684, 3429]	8229	[6891, 2951]
565	[1086, 25]	3120	[4995, 4996]	5675	[7685, 303]	8230	[9425, 9426]
566	[1087, 1088]	3121	[1850, 2923]	5676	[7409, 7686]	8231	[5299, 2130]
567	[1089, 1090]	3122	[1853, 4997]	5677	[3175, 7687]	8232	[9427, 607]
568	[1091, 308]	3123	[4998, 4999]	5678	[7688, 7689]	8233	[6719, 5647]
569	[1092, 1093]	3124	[5000, 5001]	5679	[3381, 3140]	8234	[795, 5661]
570	[1094, 1095]	3125	[2774, 5002]	5680	[4481, 1154]	8235	[2902, 9428]
571	[1096, 1097]	3126	[2898, 178]	5681	[4961, 4290]	8236	[3071, 5063]
572	[1098, 1099]	3127	[5003, 5004]	5682	[7614, 3457]	8237	[6439, 9429]
573	[1100, 1101]	3128	[5005, 5006]	5683	[7690, 1096]	8238	[240, 6928]
574	[1102, 1103]	3129	[5007, 5008]	5684	[7691, 7692]	8239	[663, 8747]
575	[1104, 1105]	3130	[5009, 5010]	5685	[7268, 7693]	8240	[9353, 9430]
576	[1106, 1011]	3131	[2418, 5011]	5686	[1320, 7694]	8241	[2737, 9256]
577	[1107, 1108]	3132	[5012, 755]	5687	[7695, 3829]	8242	[9297, 9085]
578	[1109, 1110]	3133	[5013, 5014]	5688	[1713, 7696]	8243	[9431, 6746]
579	[1111, 1112]	3134	[5015, 5016]	5689	[4712, 7697]	8244	[154, 9432]
580	[1113, 1114]	3135	[2657, 5017]	5690	[7698, 7143]	8245	[5279, 5003]
581	[305, 1115]	3136	[5018, 5019]	5691	[7699, 1457]	8246	[2353, 5827]
582	[1116, 1048]	3137	[3002, 5020]	5692	[7059, 7700]	8247	[9433, 2201]
583	[1117, 1118]	3138	[551, 5021]	5693	[7701, 4400]	8248	[2308, 2415]

584	[1119, 1120]	3139	[5022, 5023]	5694	[7702, 7703]	8249	[2776, 4979]
585	[1072, 1121]	3140	[5024, 5025]	5695	[7704, 7705]	8250	[956, 9434]
586	[1122, 1123]	3141	[5026, 5027]	5696	[1325, 7706]	8251	[9435, 9436]
587	[1124, 1125]	3142	[5028, 5029]	5697	[438, 4460]	8252	[5315, 8993]
588	[1126, 1127]	3143	[5030, 5031]	5698	[7707, 7708]	8253	[2817, 2808]
589	[1128, 1129]	3144	[5032, 5033]	5699	[7709, 7710]	8254	[6653, 8855]
590	[1130, 1131]	3145	[2871, 5034]	5700	[7153, 1180]	8255	[5933, 9437]
591	[1132, 1133]	3146	[46, 5035]	5701	[7711, 7712]	8256	[2207, 224]
592	[1134, 1074]	3147	[5036, 5037]	5702	[4275, 7571]	8257	[6733, 9438]
593	[1135, 1136]	3148	[3046, 5038]	5703	[1690, 7685]	8258	[2838, 9439]
594	[1137, 1138]	3149	[5039, 2502]	5704	[7553, 7115]	8259	[9440, 9441]
595	[1139, 1140]	3150	[2527, 5040]	5705	[1752, 1518]	8260	[767, 2453]
596	[1141, 1142]	3151	[5041, 5042]	5706	[7713, 4533]	8261	[6226, 6705]
597	[1143, 483]	3152	[2961, 5043]	5707	[3679, 7714]	8262	[6408, 902]
598	[1144, 1145]	3153	[2678, 1821]	5708	[4042, 4077]	8263	[5289, 6475]
599	[1146, 1147]	3154	[2958, 894]	5709	[7485, 7715]	8264	[9442, 5659]
600	[1148, 1149]	3155	[5044, 2678]	5710	[378, 7226]	8265	[9443, 518]
601	[1150, 1151]	3156	[2203, 1964]	5711	[7716, 4230]	8266	[8614, 9177]
602	[1152, 1153]	3157	[234, 5045]	5712	[1054, 7717]	8267	[6058, 9444]
603	[111, 1154]	3158	[5046, 2965]	5713	[4925, 7068]	8268	[5890, 9445]
604	[1155, 1156]	3159	[5047, 2864]	5714	[7718, 7719]	8269	[2103, 9446]
605	[1157, 1158]	3160	[2024, 5048]	5715	[7579, 4064]	8270	[9301, 5856]
606	[1159, 1160]	3161	[5049, 5050]	5716	[4836, 7720]	8271	[2766, 9447]
607	[1161, 1162]	3162	[5051, 244]	5717	[7721, 7722]	8272	[6772, 5831]
608	[390, 1163]	3163	[5052, 5053]	5718	[7723, 7724]	8273	[5603, 9448]
609	[1164, 1165]	3164	[818, 5054]	5719	[7725, 7726]	8274	[9449, 5749]
610	[1166, 1167]	3165	[5055, 5056]	5720	[7629, 7706]	8275	[9450, 2639]
611	[1168, 1169]	3166	[5057, 5058]	5721	[7727, 1621]	8276	[5603, 9451]
612	[1170, 1171]	3167	[4983, 5059]	5722	[1560, 7223]	8277	[6121, 5380]
613	[1172, 1173]	3168	[5060, 5061]	5723	[7728, 7729]	8278	[4979, 2588]
614	[1174, 1175]	3169	[5062, 5063]	5724	[7730, 7731]	8279	[2744, 9452]
615	[1176, 1140]	3170	[5064, 5065]	5725	[7732, 3993]	8280	[8737, 6779]
616	[1177, 1178]	3171	[5066, 5067]	5726	[3226, 7733]	8281	[9453, 2461]
617	[1179, 1180]	3172	[5068, 5069]	5727	[1746, 7734]	8282	[5960, 5881]
618	[1181, 1182]	3173	[5070, 1993]	5728	[3461, 4626]	8283	[9295, 6930]
619	[1183, 1184]	3174	[5071, 5072]	5729	[3325, 1629]	8284	[2836, 9454]
620	[430, 1185]	3175	[2345, 2791]	5730	[1593, 7735]	8285	[9455, 9456]
621	[1186, 1187]	3176	[5073, 5074]	5731	[491, 7736]	8286	[6755, 9457]
622	[1188, 1189]	3177	[5075, 5076]	5732	[65, 3223]	8287	[6889, 6810]
623	[1190, 1191]	3178	[2066, 5077]	5733	[3283, 1135]	8288	[9166, 2296]
624	[1192, 1193]	3179	[5078, 5079]	5734	[4333, 3798]	8289	[5244, 9458]
625	[1194, 1195]	3180	[5080, 2693]	5735	[7378, 7737]	8290	[6090, 6150]
626	[1196, 1197]	3181	[5081, 5082]	5736	[7456, 7738]	8291	[577, 2834]
627	[1198, 1199]	3182	[5083, 5084]	5737	[3641, 4747]	8292	[5177, 5586]

628	[1200, 1201]	3183	[882, 5085]	5738	[4409, 7204]	8293	[640, 6315]
629	[1202, 1203]	3184	[592, 5086]	5739	[7164, 7739]	8294	[56, 8680]
630	[1204, 1205]	3185	[2386, 5087]	5740	[7654, 3467]	8295	[5063, 707]
631	[1206, 1207]	3186	[5088, 5038]	5741	[7740, 7741]	8296	[6816, 9459]
632	[1208, 1209]	3187	[2828, 5089]	5742	[3824, 7742]	8297	[2502, 530]
633	[1210, 1211]	3188	[5090, 2144]	5743	[7032, 3470]	8298	[6814, 9460]
634	[1212, 1213]	3189	[885, 5091]	5744	[7743, 7744]	8299	[9461, 159]
635	[1214, 1215]	3190	[5092, 5093]	5745	[7745, 7746]	8300	[6271, 9232]
636	[1216, 1217]	3191	[5094, 5095]	5746	[7747, 7438]	8301	[5333, 741]
637	[1218, 1219]	3192	[729, 700]	5747	[3436, 3687]	8302	[9462, 8623]
638	[1220, 1221]	3193	[5096, 5097]	5748	[3555, 4791]	8303	[6510, 9463]
639	[1222, 1223]	3194	[5098, 5099]	5749	[7748, 7217]	8304	[6899, 9464]
640	[1224, 1225]	3195	[5100, 5101]	5750	[7749, 7206]	8305	[9465, 1973]
641	[1226, 1227]	3196	[5102, 5103]	5751	[7750, 7751]	8306	[8932, 2815]
642	[963, 1228]	3197	[5104, 5105]	5752	[7752, 1184]	8307	[8849, 686]
643	[1229, 1230]	3198	[5106, 5056]	5753	[7753, 7754]	8308	[5987, 2731]
644	[1231, 1232]	3199	[5107, 5108]	5754	[7755, 7756]	8309	[9466, 3058]
645	[1233, 1234]	3200	[5109, 2556]	5755	[7757, 7758]	8310	[9467, 9468]
646	[125, 1235]	3201	[2555, 5110]	5756	[329, 7759]	8311	[6780, 9469]
647	[1236, 1237]	3202	[2359, 5111]	5757	[7760, 4499]	8312	[2735, 212]
648	[1238, 1239]	3203	[3049, 5112]	5758	[7047, 3543]	8313	[8636, 5450]
649	[1240, 1241]	3204	[5113, 5114]	5759	[7761, 3860]	8314	[8609, 8903]
650	[1242, 1243]	3205	[5115, 5116]	5760	[7762, 1775]	8315	[9470, 5270]
651	[1244, 1245]	3206	[5117, 5118]	5761	[3357, 1085]	8316	[9214, 576]
652	[1246, 1247]	3207	[5119, 5120]	5762	[4536, 7763]	8317	[6402, 9471]
653	[1248, 1249]	3208	[5121, 886]	5763	[4198, 1445]	8318	[5935, 5213]
654	[1250, 398]	3209	[1856, 5122]	5764	[7610, 3374]	8319	[8635, 5554]
655	[1251, 1252]	3210	[2042, 5059]	5765	[6987, 4709]	8320	[9450, 6718]
656	[1253, 1254]	3211	[5123, 5124]	5766	[7764, 7027]	8321	[6914, 9472]
657	[1255, 1256]	3212	[2673, 5125]	5767	[3145, 7765]	8322	[9473, 2699]
658	[1257, 383]	3213	[2327, 5126]	5768	[3160, 4706]	8323	[4986, 9474]
659	[1258, 1259]	3214	[2565, 2399]	5769	[7766, 7755]	8324	[2056, 6345]
660	[1221, 1260]	3215	[5127, 5128]	5770	[7767, 7768]	8325	[2720, 9475]
661	[1261, 1262]	3216	[5129, 1816]	5771	[4723, 7769]	8326	[927, 3000]
662	[1263, 1264]	3217	[861, 5130]	5772	[4729, 1386]	8327	[651, 5728]
663	[1265, 1266]	3218	[2145, 5131]	5773	[4126, 7770]	8328	[5269, 6203]
664	[1267, 1268]	3219	[2477, 5132]	5774	[3811, 7771]	8329	[9307, 2780]
665	[1269, 1270]	3220	[2098, 2578]	5775	[7643, 7152]	8330	[3020, 9476]
666	[27, 1271]	3221	[5133, 925]	5776	[4529, 7772]	8331	[9202, 9477]
667	[1272, 1273]	3222	[1866, 5134]	5777	[7773, 3307]	8332	[9478, 8876]
668	[961, 1274]	3223	[5135, 593]	5778	[4209, 7774]	8333	[6216, 2097]
669	[1275, 1276]	3224	[5136, 5137]	5779	[4793, 7104]	8334	[9479, 2487]
670	[1277, 1278]	3225	[5138, 1940]	5780	[7775, 7776]	8335	[6823, 6947]
671	[1279, 1280]	3226	[5139, 5140]	5781	[5781, 5781]	8336	[6859, 2869]

672	[1281, 1282]	3227	[2144, 5048]	5782	[7721, 7777]	8337	[9480, 5691]
673	[1283, 1284]	3228	[627, 1822]	5783	[7778, 7779]	8338	[5307, 6326]
674	[1285, 1286]	3229	[5141, 5142]	5784	[7780, 1142]	8339	[9094, 695]
675	[1287, 1288]	3230	[521, 5143]	5785	[7781, 7782]	8340	[5597, 9422]
676	[1289, 1290]	3231	[5144, 5145]	5786	[1109, 7783]	8341	[5599, 9470]
677	[413, 1291]	3232	[5146, 5147]	5787	[1040, 7521]	8342	[6196, 5639]
678	[1292, 1099]	3233	[5148, 5149]	5788	[3951, 7020]	8343	[2511, 9481]
679	[1293, 1294]	3234	[1844, 5150]	5789	[4031, 403]	8344	[2943, 5916]
680	[1295, 1296]	3235	[5151, 2479]	5790	[7363, 7658]	8345	[2703, 9482]
681	[1297, 1210]	3236	[5152, 2244]	5791	[3629, 7784]	8346	[2729, 161]
682	[1298, 1299]	3237	[3090, 5153]	5792	[7785, 1294]	8347	[6505, 9483]
683	[1300, 1301]	3238	[2241, 5154]	5793	[4583, 4120]	8348	[9484, 6490]
684	[1302, 1303]	3239	[2466, 5155]	5794	[4726, 7786]	8349	[8918, 9485]
685	[1304, 1305]	3240	[650, 717]	5795	[1012, 7787]	8350	[6708, 6164]
686	[1306, 1307]	3241	[2885, 5156]	5796	[7566, 4215]	8351	[6860, 9486]
687	[1308, 1309]	3242	[5104, 5157]	5797	[3636, 3111]	8352	[9322, 9487]
688	[1310, 1311]	3243	[5158, 5159]	5798	[7788, 1029]	8353	[1973, 9488]
689	[1312, 1313]	3244	[5160, 5161]	5799	[7789, 1221]	8354	[2292, 9489]
690	[1314, 1315]	3245	[5162, 5163]	5800	[3392, 1258]	8355	[6215, 6154]
691	[486, 1316]	3246	[2436, 5164]	5801	[7790, 3833]	8356	[8660, 9100]
692	[1317, 1318]	3247	[5165, 715]	5802	[7791, 7792]	8357	[2175, 9490]
693	[1319, 1320]	3248	[5166, 2397]	5803	[7793, 3733]	8358	[5263, 9491]
694	[1321, 1322]	3249	[5167, 5168]	5804	[1524, 7627]	8359	[5418, 6607]
695	[1323, 1324]	3250	[5169, 5170]	5805	[7794, 7352]	8360	[5482, 9492]
696	[1325, 1326]	3251	[5171, 2371]	5806	[7338, 4448]	8361	[9493, 9485]
697	[1327, 1328]	3252	[5172, 2087]	5807	[4853, 7795]	8362	[2456, 9494]
698	[435, 1329]	3253	[2078, 5173]	5808	[7796, 7797]	8363	[9495, 5318]
699	[1330, 370]	3254	[5138, 3001]	5809	[3779, 7798]	8364	[9003, 9496]
700	[1331, 1332]	3255	[5174, 5175]	5810	[7799, 1400]	8365	[6809, 6890]
701	[1333, 1334]	3256	[5176, 3065]	5811	[7800, 1083]	8366	[8898, 6361]
702	[1335, 1303]	3257	[5177, 5178]	5812	[7633, 7801]	8367	[5037, 5697]
703	[302, 1336]	3258	[5179, 5180]	5813	[4319, 7802]	8368	[8647, 9497]
704	[1337, 1338]	3259	[3022, 5181]	5814	[3498, 4086]	8369	[9498, 9117]
705	[1339, 1340]	3260	[5182, 5183]	5815	[7803, 458]	8370	[2623, 9499]
706	[1289, 1341]	3261	[5184, 627]	5816	[7804, 7805]	8371	[9101, 8991]
707	[1342, 1343]	3262	[5185, 5186]	5817	[7267, 7806]	8372	[6865, 9500]
708	[1344, 1345]	3263	[5187, 5019]	5818	[7270, 7807]	8373	[9125, 1852]
709	[1346, 1347]	3264	[539, 2507]	5819	[7808, 3126]	8374	[9501, 699]
710	[1348, 1349]	3265	[5188, 5189]	5820	[7809, 1690]	8375	[9502, 9503]
711	[1350, 1351]	3266	[5190, 2791]	5821	[7810, 7811]	8376	[6587, 2127]
712	[1352, 1353]	3267	[600, 5191]	5822	[4835, 7812]	8377	[5020, 6126]
713	[1354, 1355]	3268	[5192, 5193]	5823	[3348, 1290]	8378	[9383, 9164]
714	[1356, 1357]	3269	[5194, 5195]	5824	[7600, 7813]	8379	[844, 6706]
715	[1358, 1359]	3270	[5196, 5197]	5825	[7606, 7153]	8380	[2159, 9504]

716	[1360, 1361]	3271	[849, 5198]	5826	[4577, 7814]	8381	[8791, 5735]
717	[1362, 1363]	3272	[5199, 5200]	5827	[7261, 7815]	8382	[9113, 5120]
718	[1364, 1365]	3273	[5201, 5202]	5828	[7816, 7817]	8383	[9074, 5592]
719	[1366, 1367]	3274	[2466, 5203]	5829	[7278, 7266]	8384	[5176, 5909]
720	[1368, 1369]	3275	[5204, 5205]	5830	[342, 7818]	8385	[6434, 5913]
721	[1370, 1371]	3276	[5206, 5207]	5831	[4656, 7819]	8386	[8744, 9505]
722	[1372, 1373]	3277	[888, 5208]	5832	[6999, 7820]	8387	[6059, 9096]
723	[354, 1374]	3278	[5209, 5210]	5833	[1746, 7737]	8388	[9506, 9490]
724	[1375, 1253]	3279	[2342, 5211]	5834	[7780, 7821]	8389	[5075, 6936]
725	[1376, 1177]	3280	[5212, 5213]	5835	[7822, 7823]	8390	[9054, 2390]
726	[1377, 1378]	3281	[5214, 5215]	5836	[7824, 7814]	8391	[8783, 6299]
727	[1379, 1380]	3282	[5216, 5217]	5837	[7825, 7826]	8392	[9288, 9507]
728	[1233, 1381]	3283	[5218, 5219]	5838	[7373, 4553]	8393	[6187, 4980]
729	[1382, 1383]	3284	[5220, 5001]	5839	[7827, 7828]	8394	[5091, 758]
730	[1384, 1385]	3285	[5221, 2896]	5840	[7829, 4945]	8395	[5572, 9508]
731	[1386, 1336]	3286	[5222, 5218]	5841	[1624, 7349]	8396	[8755, 2904]
732	[1387, 1388]	3287	[5072, 2274]	5842	[3366, 7830]	8397	[3072, 5287]
733	[1389, 1390]	3288	[5223, 5224]	5843	[7831, 7065]	8398	[134, 9509]
734	[1391, 1392]	3289	[2885, 5147]	5844	[7832, 4775]	8399	[5121, 9510]
735	[1393, 1394]	3290	[5225, 5226]	5845	[7524, 7833]	8400	[5521, 5763]
736	[1395, 1396]	3291	[201, 5227]	5846	[4201, 1759]	8401	[5007, 9260]
737	[1397, 1398]	3292	[5228, 5229]	5847	[7834, 7835]	8402	[8881, 9511]
738	[1399, 1400]	3293	[2001, 2484]	5848	[7603, 7836]	8403	[2652, 9512]
739	[1401, 1402]	3294	[559, 5230]	5849	[7172, 7837]	8404	[1982, 542]
740	[101, 1403]	3295	[5231, 5232]	5850	[7838, 7746]	8405	[9160, 8676]
741	[1404, 1405]	3296	[5233, 5234]	5851	[7839, 7840]	8406	[9006, 9513]
742	[1406, 1407]	3297	[5235, 5236]	5852	[7841, 3882]	8407	[5776, 9381]
743	[1408, 1409]	3298	[5077, 672]	5853	[4659, 7631]	8408	[8988, 3045]
744	[1410, 1411]	3299	[5237, 5238]	5854	[4243, 7842]	8409	[6687, 6265]
745	[1412, 1413]	3300	[5239, 5240]	5855	[7843, 7844]	8410	[6826, 8674]
746	[1414, 1415]	3301	[2977, 5072]	5856	[1135, 3730]	8411	[5696, 5203]
747	[1098, 1416]	3302	[2584, 3045]	5857	[4939, 3690]	8412	[6883, 1877]
748	[1417, 1418]	3303	[5241, 2202]	5858	[7845, 7846]	8413	[3024, 9514]
749	[1419, 1420]	3304	[5242, 1966]	5859	[7847, 7428]	8414	[947, 8628]
750	[1421, 1422]	3305	[695, 5243]	5860	[7848, 3362]	8415	[9085, 9515]
751	[1423, 1424]	3306	[5244, 5245]	5861	[427, 7849]	8416	[2007, 5013]
752	[1425, 1426]	3307	[734, 5246]	5862	[3784, 7850]	8417	[8761, 3072]
753	[1427, 1428]	3308	[2924, 5247]	5863	[7851, 4179]	8418	[9516, 8609]
754	[1429, 1430]	3309	[5248, 5249]	5864	[7852, 7335]	8419	[6319, 5363]
755	[1431, 1432]	3310	[5047, 2122]	5865	[7853, 7854]	8420	[9517, 2852]
756	[1433, 1434]	3311	[5250, 5251]	5866	[7341, 7855]	8421	[247, 9518]
757	[1435, 1436]	3312	[5252, 5253]	5867	[459, 7856]	8422	[614, 9519]
758	[1437, 1438]	3313	[2305, 205]	5868	[1587, 7857]	8423	[6645, 944]
759	[1272, 1439]	3314	[5254, 5255]	5869	[7858, 7859]	8424	[8792, 9054]

760	[1440, 1441]	3315	[5256, 5257]	5870	[3311, 1586]	8425	[9396, 9520]
761	[16, 1442]	3316	[5258, 3066]	5871	[7787, 7860]	8426	[9521, 5353]
762	[1443, 1444]	3317	[769, 5259]	5872	[7613, 4169]	8427	[5133, 9386]
763	[1445, 1446]	3318	[5260, 5180]	5873	[7861, 3917]	8428	[152, 6402]
764	[1447, 1448]	3319	[5261, 5262]	5874	[7450, 7862]	8429	[523, 9522]
765	[1449, 1450]	3320	[5137, 876]	5875	[7863, 7739]	8430	[9523, 9524]
766	[1451, 1452]	3321	[2563, 5263]	5876	[3109, 7750]	8431	[1946, 6146]
767	[1453, 1454]	3322	[5264, 5265]	5877	[7405, 7864]	8432	[5970, 2769]
768	[1455, 1456]	3323	[5266, 5111]	5878	[4860, 7865]	8433	[2280, 2617]
769	[1457, 1458]	3324	[5267, 2353]	5879	[7866, 3332]	8434	[6673, 5697]
770	[21, 1459]	3325	[827, 5268]	5880	[7867, 1362]	8435	[8733, 5041]
771	[1460, 1461]	3326	[5269, 2366]	5881	[4744, 3155]	8436	[6244, 9525]
772	[1462, 1463]	3327	[5270, 1980]	5882	[1302, 4310]	8437	[609, 9526]
773	[1464, 1465]	3328	[5271, 5272]	5883	[3638, 7868]	8438	[9527, 8664]
774	[1466, 1467]	3329	[5273, 5274]	5884	[1102, 4608]	8439	[2641, 9528]
775	[960, 1468]	3330	[5275, 5194]	5885	[4085, 7869]	8440	[6153, 9529]
776	[1469, 1470]	3331	[2286, 5276]	5886	[3874, 7870]	8441	[3068, 6127]
777	[1471, 1472]	3332	[5277, 5278]	5887	[7871, 7872]	8442	[2659, 9530]
778	[1473, 1474]	3333	[5279, 5280]	5888	[4278, 7873]	8443	[9368, 5409]
779	[1475, 1476]	3334	[5270, 224]	5889	[4353, 6964]	8444	[8974, 8907]
780	[1477, 1478]	3335	[2491, 5281]	5890	[7874, 7875]	8445	[2697, 9531]
781	[1479, 1480]	3336	[2781, 5282]	5891	[3182, 7876]	8446	[5529, 3091]
782	[1481, 1482]	3337	[5283, 2411]	5892	[283, 7877]	8447	[5942, 9532]
783	[1483, 1484]	3338	[5284, 5285]	5893	[3941, 7375]	8448	[585, 134]
784	[1485, 1486]	3339	[2645, 5286]	5894	[7878, 1300]	8449	[6045, 569]
785	[1487, 1488]	3340	[5287, 669]	5895	[7879, 1297]	8450	[9211, 662]
786	[1489, 1490]	3341	[5288, 2807]	5896	[7101, 7880]	8451	[5196, 9533]
787	[1491, 1492]	3342	[5289, 3054]	5897	[7881, 7882]	8452	[5423, 8754]
788	[1493, 1207]	3343	[5290, 5291]	5898	[7883, 7884]	8453	[9502, 9534]
789	[1494, 1495]	3344	[5292, 5293]	5899	[327, 4917]	8454	[5117, 6544]
790	[1496, 1497]	3345	[232, 5294]	5900	[7885, 3881]	8455	[2233, 9535]
791	[1498, 1499]	3346	[5295, 5184]	5901	[3188, 7815]	8456	[9536, 5962]
792	[1393, 1500]	3347	[2461, 2433]	5902	[6998, 7886]	8457	[9480, 2534]
793	[1501, 1502]	3348	[3014, 861]	5903	[3108, 1238]	8458	[8881, 9537]
794	[1503, 1504]	3349	[1976, 5296]	5904	[4683, 7887]	8459	[9538, 9112]
795	[1505, 1506]	3350	[2628, 5297]	5905	[3692, 3743]	8460	[9539, 6474]
796	[1507, 1508]	3351	[2865, 5298]	5906	[4036, 7888]	8461	[5717, 1937]
797	[1509, 1510]	3352	[5299, 5300]	5907	[7889, 7890]	8462	[2777, 194]
798	[1511, 1512]	3353	[5301, 5302]	5908	[7891, 1716]	8463	[2375, 5770]
799	[1513, 1514]	3354	[5303, 5304]	5909	[7245, 7416]	8464	[911, 9540]
800	[1515, 1516]	3355	[5305, 5306]	5910	[3387, 1503]	8465	[5073, 720]
801	[1517, 1518]	3356	[5307, 5308]	5911	[4189, 3436]	8466	[5976, 9276]
802	[1519, 1287]	3357	[2398, 2566]	5912	[7892, 4751]	8467	[9541, 5259]
803	[1520, 1521]	3358	[5309, 5310]	5913	[24, 4790]	8468	[6625, 5742]

804	[1522, 1523]	3359	[867, 2943]	5914	[4428, 1265]	8469	[9542, 2800]
805	[1524, 1525]	3360	[5071, 2816]	5915	[7196, 7786]	8470	[6529, 2174]
806	[1526, 1214]	3361	[5311, 569]	5916	[7893, 3251]	8471	[5629, 2886]
807	[1527, 1528]	3362	[2310, 5312]	5917	[7605, 3510]	8472	[8809, 9543]
808	[1529, 1530]	3363	[5313, 2775]	5918	[7894, 7534]	8473	[9544, 2921]
809	[1531, 1532]	3364	[5314, 5315]	5919	[7895, 7896]	8474	[9545, 6012]
810	[1533, 328]	3365	[5316, 5317]	5920	[7897, 4352]	8475	[9546, 175]
811	[350, 1534]	3366	[851, 5318]	5921	[3796, 3965]	8476	[9547, 8844]
812	[1535, 1536]	3367	[5319, 5320]	5922	[7127, 1577]	8477	[5032, 8906]
813	[1537, 1538]	3368	[5321, 3027]	5923	[1167, 440]	8478	[5528, 2265]
814	[1539, 1540]	3369	[3045, 5322]	5924	[7898, 7836]	8479	[9139, 5690]
815	[1541, 1542]	3370	[1917, 5323]	5925	[3601, 6982]	8480	[6070, 9548]
816	[1543, 1544]	3371	[5324, 5325]	5926	[7676, 7899]	8481	[6166, 9549]
817	[1545, 1546]	3372	[2068, 596]	5927	[7900, 4434]	8482	[9550, 956]
818	[1547, 1548]	3373	[227, 5326]	5928	[7871, 7901]	8483	[6738, 9316]
819	[1549, 1550]	3374	[1862, 5327]	5929	[4051, 4880]	8484	[9132, 6567]
820	[1551, 1552]	3375	[5328, 5329]	5930	[7902, 7903]	8485	[5719, 588]
821	[1419, 1553]	3376	[5026, 5330]	5931	[7096, 7904]	8486	[5116, 9097]
822	[1554, 1499]	3377	[5331, 5332]	5932	[4447, 7339]	8487	[6794, 8759]
823	[1555, 1556]	3378	[5333, 5334]	5933	[7905, 7906]	8488	[6631, 9551]
824	[1557, 1558]	3379	[4998, 1945]	5934	[1754, 1015]	8489	[1994, 5336]
825	[1559, 1560]	3380	[2559, 2428]	5935	[7907, 7342]	8490	[9552, 5698]
826	[1206, 1346]	3381	[5335, 5336]	5936	[7908, 3672]	8491	[9553, 9554]
827	[1561, 1562]	3382	[5337, 5054]	5937	[7909, 7910]	8492	[9498, 9555]
828	[1563, 1564]	3383	[2807, 5338]	5938	[7911, 7879]	8493	[9556, 5800]
829	[426, 1565]	3384	[5084, 5339]	5939	[7912, 1059]	8494	[1958, 9557]
830	[1566, 1567]	3385	[5340, 5341]	5940	[3138, 7913]	8495	[9240, 2613]
831	[1568, 1569]	3386	[5342, 5343]	5941	[4667, 7914]	8496	[9558, 6535]
832	[1570, 1571]	3387	[5344, 162]	5942	[7915, 7916]	8497	[5926, 2419]
833	[1572, 1573]	3388	[5345, 2330]	5943	[4121, 7917]	8498	[9467, 9559]
834	[1574, 1575]	3389	[5346, 5347]	5944	[7790, 3897]	8499	[5537, 6918]
835	[994, 1576]	3390	[1824, 1963]	5945	[7918, 1706]	8500	[9560, 856]
836	[1577, 1578]	3391	[2960, 898]	5946	[7661, 7919]	8501	[5947, 9561]
837	[1579, 1580]	3392	[5295, 1821]	5947	[4956, 7920]	8502	[6768, 6850]
838	[1581, 1582]	3393	[1967, 1825]	5948	[7921, 7922]	8503	[5308, 6700]
839	[1583, 1584]	3394	[900, 1966]	5949	[7853, 7923]	8504	[5790, 5308]
840	[1585, 1586]	3395	[2960, 5046]	5950	[7651, 7103]	8505	[9562, 6430]
841	[1587, 1588]	3396	[5043, 549]	5951	[7924, 7925]	8506	[5286, 9563]
842	[1589, 1114]	3397	[5348, 5349]	5952	[436, 7879]	8507	[6714, 6196]
843	[1441, 1590]	3398	[5350, 5351]	5953	[4135, 7926]	8508	[9564, 9565]
844	[1591, 1592]	3399	[5352, 5353]	5954	[4159, 7625]	8509	[8995, 9566]
845	[1593, 1594]	3400	[1919, 5354]	5955	[1500, 4954]	8510	[8885, 9567]
846	[1595, 1596]	3401	[5355, 5356]	5956	[4714, 3302]	8511	[6858, 9568]
847	[1597, 1598]	3402	[2473, 684]	5957	[3734, 7927]	8512	[9517, 5115]

848	[1599, 1600]	3403	[5357, 5358]	5958	[3328, 7928]	8513	[8620, 8826]
849	[1601, 1602]	3404	[5359, 5360]	5959	[7929, 7525]	8514	[2193, 5377]
850	[1603, 1604]	3405	[5361, 2839]	5960	[3911, 7434]	8515	[8892, 1880]
851	[1605, 1606]	3406	[5362, 5363]	5961	[1399, 7930]	8516	[6648, 5172]
852	[1607, 1608]	3407	[5364, 5365]	5962	[7931, 4366]	8517	[9473, 5477]
853	[1609, 1610]	3408	[531, 5366]	5963	[7932, 339]	8518	[5773, 9262]
854	[1611, 1612]	3409	[2240, 621]	5964	[7933, 7934]	8519	[8669, 9569]
855	[1613, 1465]	3410	[5367, 2952]	5965	[7719, 3882]	8520	[9570, 6259]
856	[1614, 1615]	3411	[5368, 5369]	5966	[3680, 3287]	8521	[6340, 5546]
857	[1616, 1617]	3412	[5370, 833]	5967	[7935, 4807]	8522	[2409, 9571]
858	[1618, 1619]	3413	[5371, 2407]	5968	[7598, 7936]	8523	[9572, 6452]
859	[1620, 1621]	3414	[5372, 5373]	5969	[1195, 7828]	8524	[5565, 2865]
860	[1622, 1623]	3415	[2427, 2262]	5970	[1600, 7937]	8525	[9097, 6678]
861	[1624, 1625]	3416	[2743, 5374]	5971	[3225, 7938]	8526	[9573, 6210]
862	[1626, 1627]	3417	[1960, 5375]	5972	[7801, 4722]	8527	[8634, 5911]
863	[1628, 1629]	3418	[5376, 5377]	5973	[478, 3551]	8528	[8707, 9574]
864	[1630, 1631]	3419	[5353, 5378]	5974	[7040, 3393]	8529	[5161, 9575]
865	[1632, 1633]	3420	[5379, 5380]	5975	[7939, 7940]	8530	[5311, 6046]
866	[108, 1333]	3421	[2789, 5381]	5976	[7941, 7942]	8531	[9564, 9251]
867	[1634, 1635]	3422	[5382, 5383]	5977	[1003, 7943]	8532	[5446, 9576]
868	[1636, 1637]	3423	[5384, 665]	5978	[1234, 7944]	8533	[8993, 2231]
869	[1638, 1639]	3424	[1987, 5385]	5979	[3489, 7945]	8534	[2443, 6682]
870	[1640, 1641]	3425	[5386, 5387]	5980	[7946, 7947]	8535	[6161, 6850]
871	[1642, 1643]	3426	[5388, 5389]	5981	[7948, 7949]	8536	[9253, 2971]
872	[1644, 1645]	3427	[2582, 5390]	5982	[1618, 7431]	8537	[1998, 6070]
873	[1646, 1647]	3428	[1827, 2381]	5983	[408, 7055]	8538	[876, 632]
874	[1648, 1649]	3429	[5391, 5392]	5984	[7764, 4770]	8539	[2292, 9577]
875	[1650, 1208]	3430	[5393, 5394]	5985	[1025, 7950]	8540	[9578, 6015]
876	[1651, 1652]	3431	[5395, 2072]	5986	[7056, 7951]	8541	[9579, 9580]
877	[1653, 1654]	3432	[5396, 5397]	5987	[4021, 7952]	8542	[9213, 2114]
878	[1655, 1656]	3433	[693, 5398]	5988	[7953, 7954]	8543	[9237, 9378]
879	[1657, 1658]	3434	[500, 5399]	5989	[3215, 4110]	8544	[701, 9581]
880	[1659, 1660]	3435	[2067, 5400]	5990	[4699, 7443]	8545	[9582, 2889]
881	[1661, 1662]	3436	[2224, 1898]	5991	[1436, 7955]	8546	[2089, 9463]
882	[1539, 1663]	3437	[5401, 5402]	5992	[7730, 7956]	8547	[9583, 6407]
883	[1664, 1665]	3438	[5324, 5403]	5993	[7957, 7958]	8548	[3026, 5648]
884	[1666, 1205]	3439	[5404, 893]	5994	[3573, 448]	8549	[1839, 2928]
885	[1667, 1070]	3440	[5405, 5406]	5995	[4003, 7959]	8550	[876, 2827]
886	[1668, 1669]	3441	[5407, 2949]	5996	[4414, 3946]	8551	[8717, 9584]
887	[1670, 1671]	3442	[5408, 5409]	5997	[7960, 1067]	8552	[9585, 2004]
888	[1672, 1673]	3443	[2069, 5410]	5998	[7961, 7962]	8553	[796, 9586]
889	[1674, 1675]	3444	[5136, 875]	5999	[7801, 7963]	8554	[2001, 6413]
890	[1428, 1676]	3445	[5411, 5412]	6000	[4897, 7964]	8555	[9587, 5097]
891	[1677, 1678]	3446	[5413, 1954]	6001	[1083, 985]	8556	[5268, 9588]

892	[1679, 1680]	3447	[527, 5414]	6002	[3649, 7965]	8557	[6948, 9589]
893	[1681, 1682]	3448	[5415, 2261]	6003	[3538, 4946]	8558	[9590, 9591]
894	[1683, 1684]	3449	[5416, 2860]	6004	[4331, 7548]	8559	[6014, 9592]
895	[1685, 1686]	3450	[5417, 3070]	6005	[1505, 7966]	8560	[2072, 9593]
896	[1687, 1688]	3451	[5418, 5419]	6006	[4249, 3670]	8561	[5502, 9594]
897	[1689, 1690]	3452	[5420, 5421]	6007	[1291, 7967]	8562	[6458, 9595]
898	[1691, 278]	3453	[2016, 5422]	6008	[7968, 7763]	8563	[5957, 9090]
899	[1692, 1693]	3454	[1910, 5423]	6009	[3429, 7969]	8564	[910, 602]
900	[465, 1687]	3455	[202, 5424]	6010	[3899, 4816]	8565	[8748, 9596]
901	[1259, 1694]	3456	[5425, 5426]	6011	[392, 7970]	8566	[5841, 3079]
902	[1695, 1696]	3457	[5427, 5428]	6012	[7971, 3952]	8567	[5983, 5358]
903	[1697, 1698]	3458	[5429, 5430]	6013	[6973, 6967]	8568	[5462, 6586]
904	[1699, 1700]	3459	[878, 5431]	6014	[7972, 7973]	8569	[5469, 1882]
905	[1701, 1702]	3460	[5337, 5432]	6015	[7974, 4071]	8570	[6748, 5196]
906	[1703, 1704]	3461	[5433, 5434]	6016	[7975, 7976]	8571	[9597, 9598]
907	[1106, 1705]	3462	[2403, 2735]	6017	[7977, 7978]	8572	[8879, 9599]
908	[1706, 1707]	3463	[2826, 2039]	6018	[7228, 7308]	8573	[9600, 4974]
909	[1708, 1709]	3464	[5435, 5436]	6019	[7225, 379]	8574	[649, 716]
910	[1710, 988]	3465	[2882, 5437]	6020	[6993, 4332]	8575	[764, 2859]
911	[1711, 1712]	3466	[670, 5438]	6021	[7979, 7980]	8576	[6629, 9601]
912	[1713, 1714]	3467	[5439, 5440]	6022	[4182, 7661]	8577	[2188, 2944]
913	[1715, 1716]	3468	[5441, 5442]	6023	[7981, 7145]	8578	[5652, 5778]
914	[79, 1717]	3469	[5443, 5444]	6024	[4114, 3256]	8579	[9602, 9603]
915	[1718, 1719]	3470	[2673, 739]	6025	[1083, 7982]	8580	[4975, 2716]
916	[1720, 1721]	3471	[5445, 541]	6026	[3192, 7983]	8581	[5116, 6677]
917	[1722, 1723]	3472	[5446, 5447]	6027	[7984, 7985]	8582	[2966, 9604]
918	[1724, 1725]	3473	[789, 5448]	6028	[7986, 7961]	8583	[540, 6569]
919	[1726, 1688]	3474	[215, 2645]	6029	[7987, 4023]	8584	[8773, 9605]
920	[1727, 1728]	3475	[5449, 5450]	6030	[4889, 1064]	8585	[2784, 9606]
921	[1729, 1349]	3476	[5451, 667]	6031	[7988, 1277]	8586	[5735, 6912]
922	[1730, 1731]	3477	[5452, 5453]	6032	[1551, 7989]	8587	[9120, 9607]
923	[1732, 1733]	3478	[209, 5454]	6033	[7990, 7991]	8588	[5884, 2756]
924	[1734, 1735]	3479	[5455, 5456]	6034	[4506, 7992]	8589	[566, 5575]
925	[1736, 1238]	3480	[5457, 5458]	6035	[7993, 4382]	8590	[9131, 5216]
926	[1689, 116]	3481	[2474, 685]	6036	[1153, 7238]	8591	[9608, 8931]
927	[1737, 27]	3482	[2406, 5459]	6037	[7994, 4842]	8592	[9609, 9504]
928	[1738, 1739]	3483	[5460, 2448]	6038	[1259, 7729]	8593	[2189, 2945]
929	[300, 1740]	3484	[2141, 5461]	6039	[7995, 7996]	8594	[8955, 9610]
930	[1741, 1742]	3485	[5462, 5229]	6040	[7997, 3478]	8595	[5550, 2714]
931	[1743, 1744]	3486	[738, 5125]	6041	[3293, 7998]	8596	[8715, 5563]
932	[1745, 1746]	3487	[5463, 5464]	6042	[7999, 4535]	8597	[5346, 9611]
933	[1747, 1748]	3488	[2186, 5465]	6043	[25, 7778]	8598	[6828, 9612]
934	[1749, 1750]	3489	[5466, 5467]	6044	[8000, 1371]	8599	[9527, 8912]
935	[1751, 1491]	3490	[5468, 945]	6045	[1692, 4057]	8600	[2995, 9613]

936	[1752, 1753]	3491	[5469, 1974]	6046	[7158, 8001]	8601	[758, 9391]
937	[1754, 1755]	3492	[5470, 5471]	6047	[7691, 4636]	8602	[5271, 8928]
938	[1756, 1757]	3493	[5472, 5473]	6048	[7362, 8002]	8603	[2105, 5996]
939	[1758, 1759]	3494	[5474, 5105]	6049	[8003, 3504]	8604	[8668, 2398]
940	[1760, 1761]	3495	[5475, 5476]	6050	[8004, 3394]	8605	[5212, 5936]
941	[1762, 1763]	3496	[5477, 2700]	6051	[4133, 7911]	8606	[5517, 9614]
942	[1764, 1765]	3497	[5478, 5479]	6052	[8005, 8006]	8607	[2377, 5341]
943	[1766, 1767]	3498	[1835, 5480]	6053	[7270, 1564]	8608	[9615, 6958]
944	[1768, 1769]	3499	[2127, 5481]	6054	[8007, 8008]	8609	[7429, 9616]
945	[1770, 1771]	3500	[5482, 5483]	6055	[3403, 8009]	8610	[8509, 4645]
946	[1372, 1772]	3501	[5484, 5485]	6056	[3505, 4002]	8611	[1678, 9617]
947	[1773, 1774]	3502	[774, 1801]	6057	[7479, 7991]	8612	[8089, 7519]
948	[253, 1775]	3503	[1897, 2225]	6058	[8010, 3874]	8613	[9618, 4886]
949	[1776, 1777]	3504	[2030, 936]	6059	[1251, 8011]	8614	[4651, 4567]
950	[1034, 1778]	3505	[5486, 5487]	6060	[8012, 8013]	8615	[4674, 9619]
951	[1779, 1780]	3506	[1941, 5488]	6061	[7290, 1571]	8616	[4488, 4555]
952	[447, 1781]	3507	[663, 1989]	6062	[8014, 963]	8617	[9620, 9621]
953	[1782, 1783]	3508	[5489, 5490]	6063	[4970, 4844]	8618	[3851, 9622]
954	[1784, 1785]	3509	[5491, 900]	6064	[8015, 4950]	8619	[3805, 1194]
955	[1786, 1787]	3510	[3043, 5492]	6065	[4779, 8016]	8620	[3473, 9623]
956	[1464, 1788]	3511	[554, 5493]	6066	[7222, 8017]	8621	[1152, 7237]
957	[1789, 1790]	3512	[5494, 5495]	6067	[4825, 7079]	8622	[7235, 9624]
958	[1791, 1792]	3513	[5496, 5497]	6068	[4603, 8018]	8623	[9625, 9626]
959	[1793, 1794]	3514	[5498, 2713]	6069	[1451, 8019]	8624	[8528, 9627]
960	[1795, 1796]	3515	[2639, 5499]	6070	[8020, 8021]	8625	[7508, 9628]
961	[1797, 1798]	3516	[5500, 5501]	6071	[8022, 4359]	8626	[8239, 9629]
962	[188, 1799]	3517	[5502, 5503]	6072	[3439, 8023]	8627	[8255, 9630]
963	[513, 1800]	3518	[922, 5504]	6073	[7608, 8024]	8628	[6976, 8387]
964	[499, 1801]	3519	[5505, 5506]	6074	[7189, 112]	8629	[7902, 1474]
965	[1802, 1803]	3520	[5507, 5508]	6075	[122, 7124]	8630	[7570, 4494]
966	[1804, 1805]	3521	[5509, 178]	6076	[8025, 8026]	8631	[8539, 7801]
967	[1806, 134]	3522	[5510, 2325]	6077	[3463, 4684]	8632	[8012, 8407]
968	[1807, 1808]	3523	[5511, 5512]	6078	[8027, 8028]	8633	[1620, 9631]
969	[1809, 1810]	3524	[2275, 5513]	6079	[8022, 3408]	8634	[1413, 7892]
970	[1811, 1812]	3525	[2630, 5514]	6080	[7628, 8029]	8635	[9632, 9633]
971	[1813, 1814]	3526	[5123, 5515]	6081	[4316, 1086]	8636	[6994, 9634]
972	[1815, 1816]	3527	[2437, 5516]	6082	[3235, 1039]	8637	[1721, 1477]
973	[1817, 1818]	3528	[5517, 5518]	6083	[8030, 7623]	8638	[7121, 9635]
974	[1819, 1820]	3529	[2824, 2361]	6084	[3190, 8031]	8639	[8174, 3164]
975	[1821, 627]	3530	[716, 5519]	6085	[1010, 4892]	8640	[3157, 8288]
976	[1822, 1823]	3531	[3003, 5520]	6086	[8000, 8032]	8641	[1359, 3274]
977	[1823, 1824]	3532	[835, 2442]	6087	[8033, 81]	8642	[4769, 9636]
978	[896, 1825]	3533	[5521, 5522]	6088	[3828, 8034]	8643	[9637, 9638]
979	[1826, 1827]	3534	[5523, 5385]	6089	[8035, 4183]	8644	[9639, 9640]

980	[1828, 1829]	3535	[5072, 2817]	6090	[4034, 1645]	8645	[1002, 4820]
981	[1830, 189]	3536	[5524, 5525]	6091	[1301, 4603]	8646	[3793, 1585]
982	[1831, 1832]	3537	[5526, 5527]	6092	[8036, 8037]	8647	[1569, 9641]
983	[1833, 1834]	3538	[5528, 5529]	6093	[3439, 3773]	8648	[1192, 8603]
984	[1835, 173]	3539	[5530, 2651]	6094	[114, 8038]	8649	[7989, 4294]
985	[1836, 821]	3540	[5531, 5179]	6095	[7725, 8039]	8650	[4761, 9642]
986	[1837, 1838]	3541	[5532, 5533]	6096	[8040, 8041]	8651	[7271, 1432]
987	[1839, 1840]	3542	[5534, 5535]	6097	[8042, 1166]	8652	[9643, 9644]
988	[1841, 1842]	3543	[5439, 5536]	6098	[8043, 4314]	8653	[4743, 8308]
989	[1843, 1844]	3544	[5537, 5538]	6099	[3937, 7331]	8654	[7277, 7265]
990	[1845, 1846]	3545	[5539, 5540]	6100	[7635, 1260]	8655	[4590, 8293]
991	[1847, 801]	3546	[5541, 5542]	6101	[4544, 8044]	8656	[9645, 7046]
992	[1848, 1849]	3547	[5543, 5436]	6102	[1249, 1720]	8657	[7176, 3369]
993	[1850, 1851]	3548	[5544, 5545]	6103	[4581, 4312]	8658	[7657, 3254]
994	[244, 1852]	3549	[2631, 2943]	6104	[4229, 8045]	8659	[1004, 9646]
995	[1853, 1854]	3550	[2023, 1805]	6105	[8046, 8047]	8660	[3480, 3366]
996	[1855, 251]	3551	[5546, 689]	6106	[8048, 8049]	8661	[1183, 9647]
997	[1856, 1857]	3552	[5547, 5548]	6107	[1356, 8050]	8662	[8143, 8433]
998	[1858, 1859]	3553	[2076, 5549]	6108	[96, 8051]	8663	[4538, 9648]
999	[1860, 1861]	3554	[2061, 5550]	6109	[4098, 6969]	8664	[9649, 3599]
1000	[1862, 1863]	3555	[5551, 5552]	6110	[8052, 8053]	8665	[4521, 4949]
1001	[1864, 1865]	3556	[5553, 5554]	6111	[7031, 8054]	8666	[6959, 9650]
1002	[1866, 1867]	3557	[151, 929]	6112	[7803, 8055]	8667	[9651, 3120]
1003	[1868, 1869]	3558	[5555, 5556]	6113	[4586, 3565]	8668	[1421, 4059]
1004	[1870, 1871]	3559	[5557, 5558]	6114	[8056, 8057]	8669	[8286, 9652]
1005	[1872, 1873]	3560	[839, 5559]	6115	[8058, 3739]	8670	[9653, 9654]
1006	[1874, 221]	3561	[573, 5560]	6116	[1373, 3359]	8671	[7203, 9655]
1007	[868, 1875]	3562	[5561, 2386]	6117	[3806, 7827]	8672	[3432, 3698]
1008	[1876, 1877]	3563	[2950, 932]	6118	[8059, 3746]	8673	[9656, 4720]
1009	[1878, 1879]	3564	[841, 2460]	6119	[7001, 3624]	8674	[7412, 7624]
1010	[1880, 1881]	3565	[5562, 5563]	6120	[3546, 8060]	8675	[9637, 9657]
1011	[1882, 1883]	3566	[2495, 5165]	6121	[101, 8061]	8676	[999, 9658]
1012	[1884, 1885]	3567	[2860, 5564]	6122	[3455, 7198]	8677	[7357, 7054]
1013	[1886, 1887]	3568	[5565, 5566]	6123	[8062, 3837]	8678	[9659, 9660]
1014	[1888, 1889]	3569	[5567, 503]	6124	[7531, 8063]	8679	[8410, 4812]
1015	[1890, 1891]	3570	[5568, 2468]	6125	[8064, 8065]	8680	[111, 9661]
1016	[1892, 1893]	3571	[5386, 5569]	6126	[4853, 8066]	8681	[7503, 7580]
1017	[1894, 821]	3572	[5570, 5571]	6127	[3188, 3226]	8682	[7191, 9662]
1018	[1895, 1896]	3573	[2489, 870]	6128	[1657, 4242]	8683	[8196, 4798]
1019	[1897, 1898]	3574	[5572, 5573]	6129	[3327, 969]	8684	[8086, 4865]
1020	[1899, 1900]	3575	[715, 5574]	6130	[1293, 1152]	8685	[9663, 4037]
1021	[1901, 1902]	3576	[5035, 5575]	6131	[8067, 8068]	8686	[9664, 297]
1022	[1903, 1904]	3577	[2908, 5576]	6132	[3225, 3600]	8687	[7685, 7025]
1023	[1905, 247]	3578	[1898, 2912]	6133	[1070, 8069]	8688	[3299, 1251]

1024	[1906, 1907]	3579	[5577, 5578]	6134	[4469, 3375]	8689	[8279, 9665]
1025	[1908, 1909]	3580	[5579, 5580]	6135	[4562, 3613]	8690	[3858, 9666]
1026	[151, 1910]	3581	[5440, 5581]	6136	[3892, 8070]	8691	[3929, 9667]
1027	[1911, 1912]	3582	[5582, 862]	6137	[8071, 4649]	8692	[4940, 3440]
1028	[1913, 1913]	3583	[5583, 864]	6138	[4863, 8072]	8693	[8241, 9668]
1029	[829, 1914]	3584	[2402, 2546]	6139	[4959, 8073]	8694	[8267, 1613]
1030	[1915, 1916]	3585	[5584, 2523]	6140	[7578, 3236]	8695	[7548, 7077]
1031	[1917, 1918]	3586	[5585, 5586]	6141	[1473, 7903]	8696	[4213, 4738]
1032	[1919, 1920]	3587	[889, 2026]	6142	[1177, 8074]	8697	[9669, 3896]
1033	[1921, 1922]	3588	[5587, 5321]	6143	[6996, 3884]	8698	[4764, 9670]
1034	[1923, 1924]	3589	[502, 5588]	6144	[7873, 7835]	8699	[9671, 3338]
1035	[1925, 1926]	3590	[5589, 5590]	6145	[8075, 8076]	8700	[7972, 4486]
1036	[1927, 782]	3591	[2852, 5116]	6146	[7550, 8077]	8701	[3753, 9672]
1037	[1928, 1929]	3592	[2722, 5272]	6147	[8078, 7481]	8702	[3106, 3815]
1038	[239, 1930]	3593	[787, 5591]	6148	[3918, 1631]	8703	[7272, 9673]
1039	[1931, 1932]	3594	[2999, 565]	6149	[8079, 7351]	8704	[4223, 1674]
1040	[1933, 1934]	3595	[5592, 5593]	6150	[8080, 7221]	8705	[7940, 9674]
1041	[1935, 1936]	3596	[5594, 5595]	6151	[8081, 7446]	8706	[7994, 7643]
1042	[1937, 1938]	3597	[5596, 5597]	6152	[8082, 7693]	8707	[1142, 9675]
1043	[1939, 1940]	3598	[5598, 5599]	6153	[7435, 7989]	8708	[4705, 4927]
1044	[1941, 1942]	3599	[1888, 5444]	6154	[8083, 8084]	8709	[7504, 9676]
1045	[1943, 1944]	3600	[5600, 2667]	6155	[7620, 3768]	8710	[8553, 962]
1046	[1945, 1860]	3601	[5601, 3087]	6156	[4297, 8085]	8711	[9677, 1435]
1047	[1946, 32]	3602	[2760, 5602]	6157	[3728, 4872]	8712	[7149, 9678]
1048	[1947, 1948]	3603	[5435, 5603]	6158	[8086, 341]	8713	[9679, 9630]
1049	[1949, 597]	3604	[808, 243]	6159	[8087, 7877]	8714	[1053, 9680]
1050	[1950, 1951]	3605	[5604, 753]	6160	[4323, 8088]	8715	[8069, 9681]
1051	[1952, 1953]	3606	[795, 5605]	6161	[3908, 1723]	8716	[1576, 1168]
1052	[1954, 1955]	3607	[2753, 5606]	6162	[1366, 4560]	8717	[3239, 9682]
1053	[1956, 1957]	3608	[944, 5607]	6163	[8089, 4001]	8718	[4827, 3355]
1054	[1958, 1959]	3609	[5608, 5609]	6164	[8090, 7578]	8719	[4025, 7493]
1055	[1960, 1961]	3610	[5610, 5611]	6165	[1695, 7284]	8720	[4247, 7531]
1056	[899, 1962]	3611	[5612, 693]	6166	[1331, 3932]	8721	[3822, 9683]
1057	[1963, 507]	3612	[5613, 5416]	6167	[8091, 1246]	8722	[1741, 3215]
1058	[1964, 1965]	3613	[5614, 5131]	6168	[4849, 460]	8723	[9684, 4699]
1059	[1966, 1967]	3614	[591, 5321]	6169	[965, 8092]	8724	[8120, 9685]
1060	[1968, 1969]	3615	[5615, 5616]	6170	[8093, 8094]	8725	[7085, 465]
1061	[1970, 1971]	3616	[2615, 5617]	6171	[3236, 3503]	8726	[4198, 9686]
1062	[1972, 1973]	3617	[541, 5618]	6172	[8095, 8096]	8727	[7848, 9687]
1063	[1974, 1883]	3618	[5015, 5619]	6173	[7423, 4755]	8728	[7954, 7967]
1064	[1975, 1976]	3619	[5404, 5620]	6174	[7592, 8097]	8729	[7577, 7082]
1065	[1977, 1917]	3620	[5621, 5622]	6175	[4889, 8098]	8730	[3339, 9688]
1066	[1978, 1979]	3621	[5623, 5624]	6176	[4265, 7662]	8731	[9689, 3625]
1067	[1980, 793]	3622	[5254, 5625]	6177	[3294, 4650]	8732	[7108, 4412]

1068	[1981, 1982]	3623	[5626, 5627]	6178	[4895, 8099]	8733	[1116, 7021]
1069	[1983, 1984]	3624	[5628, 5629]	6179	[266, 6959]	8734	[1224, 4301]
1070	[1985, 1986]	3625	[5630, 5631]	6180	[3402, 8100]	8735	[1485, 84]
1071	[1987, 1988]	3626	[5632, 5029]	6181	[3705, 1709]	8736	[9690, 7096]
1072	[1989, 1990]	3627	[5633, 5634]	6182	[403, 8101]	8737	[1123, 1636]
1073	[1991, 1992]	3628	[5635, 509]	6183	[8102, 1038]	8738	[1682, 9691]
1074	[1975, 1993]	3629	[2394, 5636]	6184	[8103, 1683]	8739	[4721, 7963]
1075	[1994, 1995]	3630	[5173, 5015]	6185	[3786, 7513]	8740	[8046, 9692]
1076	[1996, 1997]	3631	[5637, 5638]	6186	[400, 8104]	8741	[4435, 3616]
1077	[1998, 1999]	3632	[5610, 5639]	6187	[8105, 3222]	8742	[9693, 3767]
1078	[2000, 2001]	3633	[5640, 5641]	6188	[368, 8106]	8743	[1339, 3691]
1079	[2002, 2003]	3634	[5642, 5643]	6189	[8091, 4157]	8744	[7387, 9694]
1080	[2004, 2005]	3635	[5644, 5645]	6190	[3703, 8107]	8745	[8013, 8408]
1081	[2006, 2007]	3636	[5646, 5304]	6191	[1014, 8108]	8746	[4339, 9695]
1082	[2008, 2009]	3637	[3082, 5647]	6192	[3716, 8109]	8747	[4416, 9696]
1083	[2010, 2011]	3638	[2626, 5648]	6193	[421, 3164]	8748	[7259, 9697]
1084	[2012, 2013]	3639	[142, 5649]	6194	[7879, 4457]	8749	[7348, 1625]
1085	[2014, 2015]	3640	[5650, 5651]	6195	[7932, 7647]	8750	[4601, 9698]
1086	[2016, 2017]	3641	[2946, 5652]	6196	[8110, 8111]	8751	[3706, 8340]
1087	[2018, 2019]	3642	[2692, 5653]	6197	[3433, 8112]	8752	[288, 7783]
1088	[2020, 2021]	3643	[5654, 5655]	6198	[7401, 7045]	8753	[7175, 9699]
1089	[2022, 2023]	3644	[5656, 5657]	6199	[3553, 8113]	8754	[3300, 8011]
1090	[2024, 2025]	3645	[5658, 5659]	6200	[8114, 8115]	8755	[6951, 1188]
1091	[2026, 2027]	3646	[5660, 5661]	6201	[3917, 4813]	8756	[7699, 3232]
1092	[2028, 2029]	3647	[5662, 5663]	6202	[3498, 7869]	8757	[8290, 8503]
1093	[127, 2030]	3648	[730, 5664]	6203	[3477, 1262]	8758	[4627, 1208]
1094	[2031, 2032]	3649	[250, 5665]	6204	[3847, 8116]	8759	[7116, 3206]
1095	[506, 2033]	3650	[5666, 2768]	6205	[4026, 4201]	8760	[1500, 4297]
1096	[589, 2034]	3651	[5595, 5667]	6206	[1497, 8117]	8761	[9700, 961]
1097	[2035, 2036]	3652	[5668, 5669]	6207	[8118, 8119]	8762	[7709, 9701]
1098	[2037, 2038]	3653	[5670, 2581]	6208	[3880, 110]	8763	[1194, 7827]
1099	[2039, 2040]	3654	[5531, 5260]	6209	[8120, 8121]	8764	[8235, 9702]
1100	[2041, 2042]	3655	[5470, 2776]	6210	[1314, 8122]	8765	[9703, 3352]
1101	[2043, 2044]	3656	[5671, 5672]	6211	[8123, 6955]	8766	[7489, 9704]
1102	[2045, 2046]	3657	[5345, 5673]	6212	[8124, 8125]	8767	[4191, 3404]
1103	[2047, 2048]	3658	[5466, 2015]	6213	[1364, 8126]	8768	[7487, 3141]
1104	[821, 2049]	3659	[5674, 5675]	6214	[8127, 8128]	8769	[7199, 9705]
1105	[2050, 2051]	3660	[5676, 5677]	6215	[8129, 8130]	8770	[7824, 4578]
1106	[2052, 1884]	3661	[5678, 5679]	6216	[3453, 432]	8771	[8050, 4532]
1107	[2053, 1859]	3662	[1876, 5680]	6217	[8131, 1514]	8772	[1479, 9706]
1108	[2054, 2055]	3663	[902, 5681]	6218	[3931, 1332]	8773	[7292, 3265]
1109	[2056, 2057]	3664	[2189, 5682]	6219	[1074, 8132]	8774	[9707, 9708]
1110	[568, 2058]	3665	[1895, 5683]	6220	[4283, 8133]	8775	[7375, 1448]
1111	[2059, 2060]	3666	[773, 5684]	6221	[8134, 8135]	8776	[9659, 4308]

1112	[2061, 2062]	3667	[2737, 5685]	6222	[1255, 8136]	8777	[3702, 1235]
1113	[609, 2063]	3668	[5686, 5687]	6223	[8137, 8138]	8778	[1335, 4310]
1114	[2064, 2065]	3669	[5688, 233]	6224	[4596, 8139]	8779	[8099, 1639]
1115	[2066, 2067]	3670	[5689, 5690]	6225	[7822, 8140]	8780	[3229, 976]
1116	[2068, 1949]	3671	[5691, 1797]	6226	[8141, 8142]	8781	[4517, 7466]
1117	[2069, 2070]	3672	[3034, 2819]	6227	[8143, 1721]	8782	[4837, 4513]
1118	[581, 2071]	3673	[5692, 5693]	6228	[4084, 8144]	8783	[3310, 1585]
1119	[2072, 2073]	3674	[5663, 2162]	6229	[372, 4639]	8784	[9709, 9710]
1120	[532, 865]	3675	[5694, 5695]	6230	[8145, 8146]	8785	[9711, 4133]
1121	[2074, 2075]	3676	[5696, 5155]	6231	[4575, 7945]	8786	[1334, 9712]
1122	[2076, 2077]	3677	[5697, 731]	6232	[7500, 8147]	8787	[9713, 1768]
1123	[2078, 2079]	3678	[4995, 5698]	6233	[8148, 8149]	8788	[9714, 7171]
1124	[2080, 2081]	3679	[5699, 2752]	6234	[4361, 8150]	8789	[3872, 4776]
1125	[2082, 2083]	3680	[4976, 5700]	6235	[4046, 8151]	8790	[8530, 9715]
1126	[2084, 2080]	3681	[5701, 5702]	6236	[4910, 3948]	8791	[3442, 7456]
1127	[2085, 2086]	3682	[5703, 5704]	6237	[8152, 966]	8792	[4211, 9716]
1128	[583, 2087]	3683	[5705, 5706]	6238	[8153, 8152]	8793	[7612, 7225]
1129	[2088, 2089]	3684	[5707, 5708]	6239	[8154, 8155]	8794	[7941, 9717]
1130	[2090, 2091]	3685	[5709, 5710]	6240	[4855, 3693]	8795	[1115, 4942]
1131	[2092, 2093]	3686	[5711, 5712]	6241	[4505, 8156]	8796	[397, 4181]
1132	[2094, 2095]	3687	[804, 5713]	6242	[8157, 4409]	8797	[9718, 1070]
1133	[2096, 212]	3688	[5714, 5715]	6243	[92, 1662]	8798	[7194, 4769]
1134	[2097, 2098]	3689	[5716, 5717]	6244	[7891, 8158]	8799	[384, 9719]
1135	[1990, 2099]	3690	[5171, 1820]	6245	[3388, 1504]	8800	[9720, 3570]
1136	[2100, 2101]	3691	[2374, 5718]	6246	[8159, 6999]	8801	[9721, 9722]
1137	[1859, 1840]	3692	[931, 2432]	6247	[4754, 8160]	8802	[4666, 9723]
1138	[2102, 2103]	3693	[5719, 5720]	6248	[8161, 1068]	8803	[7376, 7484]
1139	[1978, 2104]	3694	[2875, 5721]	6249	[85, 1454]	8804	[4122, 3941]
1140	[2105, 921]	3695	[826, 5722]	6250	[8162, 7300]	8805	[7489, 8419]
1141	[2106, 2107]	3696	[2948, 5723]	6251	[4019, 3449]	8806	[8162, 1019]
1142	[2108, 2109]	3697	[5724, 5725]	6252	[4739, 1760]	8807	[9724, 4176]
1143	[2110, 2111]	3698	[5628, 5726]	6253	[7927, 8163]	8808	[3969, 8233]
1144	[2112, 2113]	3699	[933, 5727]	6254	[3715, 4389]	8809	[9725, 9726]
1145	[554, 2114]	3700	[5728, 5729]	6255	[4264, 8164]	8810	[4576, 1649]
1146	[2115, 2116]	3701	[2808, 5513]	6256	[8165, 4739]	8811	[3125, 7543]
1147	[2117, 1949]	3702	[3078, 5730]	6257	[1429, 3381]	8812	[7851, 9727]
1148	[2118, 2119]	3703	[249, 5731]	6258	[3787, 1529]	8813	[8370, 7666]
1149	[2120, 2121]	3704	[5732, 5548]	6259	[1059, 7040]	8814	[9728, 7324]
1150	[2122, 2123]	3705	[2610, 660]	6260	[7165, 8100]	8815	[343, 8002]
1151	[2124, 2125]	3706	[2408, 5733]	6261	[8166, 8167]	8816	[4430, 1459]
1152	[2126, 2127]	3707	[5145, 5734]	6262	[1096, 8168]	8817	[3766, 7904]
1153	[1802, 2128]	3708	[5735, 5736]	6263	[4267, 3759]	8818	[8289, 8518]
1154	[2129, 2130]	3709	[2573, 5737]	6264	[3594, 285]	8819	[4765, 4838]
1155	[2131, 2132]	3710	[5738, 5214]	6265	[8169, 1357]	8820	[3590, 3242]

1156	[2133, 2134]	3711	[146, 5739]	6266	[7267, 4043]	8821	[3568, 4326]
1157	[2135, 2136]	3712	[5740, 2034]	6267	[8170, 8171]	8822	[3330, 3791]
1158	[2137, 2133]	3713	[5741, 2699]	6268	[7188, 8172]	8823	[9729, 7049]
1159	[2138, 2139]	3714	[5742, 5743]	6269	[1725, 4067]	8824	[3500, 9730]
1160	[51, 2140]	3715	[2054, 2625]	6270	[3759, 3727]	8825	[9731, 4764]
1161	[2141, 2142]	3716	[5744, 5745]	6271	[7450, 8173]	8826	[986, 4678]
1162	[2143, 2144]	3717	[869, 5746]	6272	[8174, 8175]	8827	[7793, 3555]
1163	[2145, 2146]	3718	[5747, 2819]	6273	[304, 8176]	8828	[9732, 1752]
1164	[2147, 2148]	3719	[679, 5748]	6274	[8177, 8001]	8829	[4522, 4749]
1165	[2149, 2150]	3720	[5009, 5749]	6275	[8178, 8179]	8830	[3466, 9733]
1166	[2151, 2152]	3721	[942, 5750]	6276	[4379, 330]	8831	[3213, 9734]
1167	[2153, 856]	3722	[5751, 5752]	6277	[7841, 8180]	8832	[8069, 9735]
1168	[1852, 2154]	3723	[5753, 2145]	6278	[8181, 3639]	8833	[7274, 8115]
1169	[2126, 2155]	3724	[2037, 5754]	6279	[3329, 4092]	8834	[3563, 482]
1170	[798, 2156]	3725	[808, 2278]	6280	[1780, 70]	8835	[6956, 3119]
1171	[2157, 2158]	3726	[5755, 2386]	6281	[4188, 4306]	8836	[4069, 8546]
1172	[2159, 2160]	3727	[5756, 2541]	6282	[7241, 79]	8837	[6992, 1194]
1173	[2161, 2162]	3728	[5757, 2170]	6283	[4349, 8182]	8838	[9736, 7598]
1174	[833, 2163]	3729	[5758, 5759]	6284	[8183, 8184]	8839	[9737, 4461]
1175	[2164, 2165]	3730	[148, 5760]	6285	[8185, 7678]	8840	[9738, 9739]
1176	[2166, 2167]	3731	[1845, 5761]	6286	[4615, 8147]	8841	[9740, 6995]
1177	[2168, 1968]	3732	[5397, 5762]	6287	[7910, 8186]	8842	[3865, 1748]
1178	[2169, 2170]	3733	[3063, 2184]	6288	[8088, 7408]	8843	[1643, 9741]
1179	[2171, 2172]	3734	[5763, 5764]	6289	[8187, 8188]	8844	[9742, 1097]
1180	[807, 242]	3735	[5008, 5765]	6290	[1392, 8189]	8845	[9743, 4686]
1181	[2173, 2174]	3736	[2413, 5232]	6291	[3292, 8190]	8846	[9744, 9638]
1182	[2175, 748]	3737	[44, 5766]	6292	[4343, 8191]	8847	[7711, 9745]
1183	[2176, 2177]	3738	[5115, 2853]	6293	[4806, 8192]	8848	[7939, 8601]
1184	[2178, 2179]	3739	[5612, 5767]	6294	[4399, 8193]	8849	[9746, 1308]
1185	[2180, 2181]	3740	[858, 5768]	6295	[7740, 8194]	8850	[4413, 9747]
1186	[2096, 2182]	3741	[2864, 678]	6296	[8195, 7000]	8851	[9718, 3149]
1187	[2183, 2184]	3742	[2388, 5323]	6297	[3481, 3367]	8852	[9748, 3202]
1188	[831, 2185]	3743	[5769, 2089]	6298	[1461, 7806]	8853	[6954, 9749]
1189	[2186, 2187]	3744	[5718, 5770]	6299	[8196, 8025]	8854	[3183, 9750]
1190	[2188, 2189]	3745	[5771, 5492]	6300	[1697, 8197]	8855	[8317, 9635]
1191	[2190, 2191]	3746	[732, 5772]	6301	[4142, 309]	8856	[444, 7855]
1192	[1809, 2192]	3747	[5773, 5320]	6302	[7201, 7231]	8857	[7092, 3210]
1193	[2193, 2194]	3748	[5774, 5775]	6303	[7671, 8198]	8858	[9751, 7468]
1194	[2195, 2196]	3749	[5776, 5777]	6304	[1529, 3928]	8859	[4045, 4557]
1195	[2197, 2198]	3750	[5778, 5779]	6305	[3885, 8199]	8860	[489, 9752]
1196	[1831, 2199]	3751	[5305, 5780]	6306	[3207, 8200]	8861	[1770, 1320]
1197	[2200, 2201]	3752	[1965, 5295]	6307	[270, 8201]	8862	[9753, 7089]
1198	[2202, 2203]	3753	[5781, 1913]	6308	[8202, 8203]	8863	[418, 7917]
1199	[2204, 2205]	3754	[2204, 1964]	6309	[8204, 109]	8864	[9754, 9755]

1200	[628, 1823]	3755	[5241, 5782]	6310	[7257, 1344]	8865	[4963, 3350]
1201	[1966, 896]	3756	[895, 5241]	6311	[7981, 1090]	8866	[3376, 9756]
1202	[2118, 2206]	3757	[1822, 2964]	6312	[7940, 8205]	8867	[4840, 9757]
1203	[2083, 2207]	3758	[5783, 5784]	6313	[8206, 7795]	8868	[9758, 7920]
1204	[2208, 2209]	3759	[740, 5334]	6314	[1051, 7742]	8869	[313, 9759]
1205	[1858, 1839]	3760	[5785, 5786]	6315	[1223, 7187]	8870	[9760, 9761]
1206	[2210, 2211]	3761	[189, 2235]	6316	[4205, 8037]	8871	[8515, 1009]
1207	[1901, 2212]	3762	[5787, 5788]	6317	[8140, 8207]	8872	[8431, 8330]
1208	[2213, 2214]	3763	[5789, 5790]	6318	[8208, 7345]	8873	[3202, 3920]
1209	[2215, 2216]	3764	[5129, 2696]	6319	[4743, 8209]	8874	[9762, 7444]
1210	[2217, 2218]	3765	[5582, 5791]	6320	[8210, 1096]	8875	[3412, 9763]
1211	[2219, 2220]	3766	[5575, 5792]	6321	[1086, 7315]	8876	[1468, 8261]
1212	[934, 2221]	3767	[5668, 2074]	6322	[7599, 996]	8877	[8413, 9764]
1213	[2035, 239]	3768	[2677, 2030]	6323	[3618, 4666]	8878	[1613, 1788]
1214	[2222, 2223]	3769	[1870, 2176]	6324	[3437, 3688]	8879	[9765, 4642]
1215	[2224, 2225]	3770	[5793, 5794]	6325	[8211, 3131]	8880	[7990, 7480]
1216	[2226, 2227]	3771	[5795, 5796]	6326	[7838, 8212]	8881	[3716, 1591]
1217	[803, 2228]	3772	[3092, 2021]	6327	[4379, 7759]	8882	[3766, 7097]
1218	[2229, 2230]	3773	[5403, 5797]	6328	[3644, 8213]	8883	[9766, 8397]
1219	[2231, 2232]	3774	[5798, 5799]	6329	[320, 7350]	8884	[3244, 4187]
1220	[2233, 2234]	3775	[5800, 658]	6330	[7760, 8214]	8885	[7647, 340]
1221	[1799, 2235]	3776	[228, 5801]	6331	[3303, 7776]	8886	[7669, 9767]
1222	[2236, 2237]	3777	[5802, 5803]	6332	[8166, 8215]	8887	[3944, 423]
1223	[705, 2238]	3778	[3059, 5804]	6333	[8216, 83]	8888	[7561, 4142]
1224	[2229, 2239]	3779	[556, 5805]	6334	[8217, 85]	8889	[8035, 7661]
1225	[2211, 637]	3780	[5218, 5806]	6335	[8218, 8219]	8890	[7449, 7470]
1226	[2240, 2241]	3781	[587, 5720]	6336	[3216, 8220]	8891	[1560, 8017]
1227	[2242, 931]	3782	[2090, 5807]	6337	[8221, 7569]	8892	[8516, 3251]
1228	[2243, 2244]	3783	[2984, 2185]	6338	[7618, 8222]	8893	[9768, 9769]
1229	[845, 2245]	3784	[5098, 5808]	6339	[1417, 4822]	8894	[9770, 9771]
1230	[2246, 2247]	3785	[5809, 5810]	6340	[8090, 7082]	8895	[4543, 1669]
1231	[2248, 2249]	3786	[2666, 5811]	6341	[7796, 4377]	8896	[7027, 9772]
1232	[2250, 2251]	3787	[1864, 5812]	6342	[8223, 7126]	8897	[7921, 9773]
1233	[639, 2252]	3788	[2730, 5813]	6343	[3197, 8224]	8898	[3971, 3651]
1234	[2253, 767]	3789	[2710, 5814]	6344	[1680, 4680]	8899	[8013, 9774]
1235	[2254, 2255]	3790	[5815, 5816]	6345	[8225, 94]	8900	[3121, 4243]
1236	[720, 2256]	3791	[5274, 5817]	6346	[1745, 7378]	8901	[8218, 8263]
1237	[2257, 2258]	3792	[5194, 5818]	6347	[1047, 3118]	8902	[8081, 7288]
1238	[2259, 8]	3793	[5819, 5820]	6348	[3440, 4921]	8903	[8058, 9775]
1239	[2260, 2261]	3794	[2762, 2648]	6349	[7145, 3550]	8904	[1042, 3469]
1240	[2262, 2263]	3795	[5667, 5821]	6350	[1572, 1079]	8905	[9776, 9721]
1241	[2264, 2265]	3796	[5822, 5823]	6351	[1455, 3986]	8906	[7495, 3188]
1242	[2266, 2267]	3797	[5505, 5824]	6352	[8226, 8227]	8907	[4971, 8566]
1243	[2268, 2269]	3798	[5667, 5825]	6353	[7176, 7311]	8908	[1161, 7925]

1244	[2270, 2271]	3799	[2829, 798]	6354	[8228, 3448]	8909	[8543, 449]
1245	[2272, 2273]	3800	[5826, 5827]	6355	[3137, 7284]	8910	[1504, 3722]
1246	[2274, 2275]	3801	[5828, 5829]	6356	[7161, 8229]	8911	[7690, 9742]
1247	[2276, 2277]	3802	[5830, 5831]	6357	[3978, 1613]	8912	[4241, 1658]
1248	[242, 2278]	3803	[5832, 5833]	6358	[3956, 1008]	8913	[9777, 294]
1249	[2279, 2280]	3804	[2017, 5834]	6359	[4490, 8230]	8914	[8321, 9778]
1250	[2281, 2282]	3805	[5835, 5836]	6360	[3192, 4403]	8915	[8141, 7878]
1251	[2283, 2284]	3806	[1798, 5837]	6361	[4839, 7541]	8916	[9779, 9719]
1252	[2285, 2286]	3807	[5838, 5839]	6362	[3780, 4418]	8917	[7562, 7947]
1253	[2287, 2288]	3808	[2014, 5467]	6363	[1541, 8058]	8918	[1630, 3919]
1254	[1985, 871]	3809	[5840, 5841]	6364	[302, 8231]	8919	[3715, 4851]
1255	[2289, 2290]	3810	[5842, 5843]	6365	[6987, 334]	8920	[8543, 9780]
1256	[2291, 2292]	3811	[5127, 5844]	6366	[4571, 8232]	8921	[9781, 9782]
1257	[2293, 2294]	3812	[5845, 5846]	6367	[4328, 8233]	8922	[421, 8175]
1258	[2295, 2296]	3813	[5437, 2341]	6368	[7843, 3241]	8923	[7493, 4201]
1259	[1821, 2297]	3814	[5222, 5847]	6369	[4792, 7103]	8924	[3258, 4392]
1260	[2298, 2299]	3815	[2347, 546]	6370	[7716, 8045]	8925	[9754, 3545]
1261	[2300, 2301]	3816	[5848, 5849]	6371	[3481, 7830]	8926	[8368, 9783]
1262	[2302, 538]	3817	[5850, 5851]	6372	[7009, 4612]	8927	[8145, 9784]
1263	[2303, 2304]	3818	[5852, 5853]	6373	[409, 8234]	8928	[8572, 4811]
1264	[2305, 2306]	3819	[5452, 635]	6374	[8235, 8236]	8929	[1718, 1318]
1265	[2307, 2308]	3820	[5854, 5855]	6375	[8237, 3986]	8930	[8216, 1485]
1266	[2309, 830]	3821	[5856, 5857]	6376	[3898, 1435]	8931	[3837, 6963]
1267	[2310, 145]	3822	[2422, 2662]	6377	[1121, 7931]	8932	[4044, 9785]
1268	[2311, 2312]	3823	[5858, 5859]	6378	[1597, 8238]	8933	[4627, 4144]
1269	[1898, 2313]	3824	[5860, 149]	6379	[4954, 8085]	8934	[3659, 9786]
1270	[2314, 2315]	3825	[2817, 2275]	6380	[7509, 8239]	8935	[4692, 1339]
1271	[2316, 518]	3826	[2645, 5861]	6381	[8240, 3417]	8936	[7209, 9787]
1272	[2317, 2318]	3827	[5862, 5863]	6382	[374, 7998]	8937	[9788, 8517]
1273	[2319, 2320]	3828	[5438, 5864]	6383	[4914, 7464]	8938	[7825, 4416]
1274	[2321, 2322]	3829	[5865, 5866]	6384	[7551, 4391]	8939	[4559, 1367]
1275	[2323, 2324]	3830	[5867, 192]	6385	[7816, 3334]	8940	[4438, 3259]
1276	[2325, 2326]	3831	[5868, 5713]	6386	[1274, 4693]	8941	[4811, 9789]
1277	[2327, 2328]	3832	[5869, 5870]	6387	[8241, 3874]	8942	[9790, 9791]
1278	[2329, 2330]	3833	[2124, 2229]	6388	[8242, 8243]	8943	[4089, 9792]
1279	[2331, 2332]	3834	[5871, 5872]	6389	[8244, 7687]	8944	[9793, 3918]
1280	[2333, 2334]	3835	[41, 5558]	6390	[8245, 3126]	8945	[7646, 399]
1281	[2335, 2336]	3836	[2823, 948]	6391	[3922, 8246]	8946	[8579, 4138]
1282	[2337, 2338]	3837	[2300, 2040]	6392	[8189, 1321]	8947	[8534, 3406]
1283	[2236, 2339]	3838	[5853, 2280]	6393	[7015, 3984]	8948	[3118, 6957]
1284	[2340, 2341]	3839	[5873, 5568]	6394	[7509, 8247]	8949	[3746, 9794]
1285	[2342, 2343]	3840	[5874, 5875]	6395	[8248, 119]	8950	[1377, 9795]
1286	[2344, 915]	3841	[5848, 5876]	6396	[4637, 4620]	8951	[9796, 3637]
1287	[2345, 2346]	3842	[5877, 3070]	6397	[6951, 8249]	8952	[8298, 9797]

1288	[2347, 2348]	3843	[5878, 5879]	6398	[8250, 8251]	8953	[9798, 7232]
1289	[2276, 2349]	3844	[5880, 716]	6399	[8252, 1213]	8954	[1004, 9799]
1290	[2350, 2145]	3845	[5353, 5881]	6400	[3893, 8253]	8955	[3254, 8108]
1291	[803, 675]	3846	[5882, 5883]	6401	[293, 8254]	8956	[9800, 9801]
1292	[678, 2351]	3847	[5884, 5885]	6402	[8255, 8256]	8957	[4563, 3752]
1293	[2352, 1802]	3848	[5886, 5887]	6403	[3959, 4808]	8958	[3709, 9802]
1294	[2353, 2354]	3849	[5888, 1794]	6404	[8257, 8258]	8959	[3904, 9711]
1295	[2355, 2356]	3850	[5889, 2358]	6405	[7207, 4454]	8960	[1359, 8596]
1296	[2357, 2358]	3851	[5890, 5891]	6406	[8259, 4091]	8961	[3497, 4085]
1297	[2359, 2360]	3852	[5892, 5893]	6407	[465, 1726]	8962	[9803, 9804]
1298	[2361, 2362]	3853	[5894, 5895]	6408	[7944, 8260]	8963	[1234, 4255]
1299	[2363, 742]	3854	[5896, 574]	6409	[3744, 4070]	8964	[4868, 4251]
1300	[2364, 2190]	3855	[5897, 5898]	6410	[313, 8261]	8965	[4032, 8101]
1301	[2365, 2366]	3856	[5899, 5900]	6411	[8262, 8263]	8966	[7732, 9805]
1302	[1910, 703]	3857	[5901, 5902]	6412	[988, 4012]	8967	[4610, 1031]
1303	[2367, 2368]	3858	[196, 5903]	6413	[8083, 3309]	8968	[8137, 3148]
1304	[2369, 2370]	3859	[5904, 828]	6414	[7565, 7138]	8969	[4148, 1522]
1305	[1819, 2371]	3860	[5905, 2464]	6415	[4880, 7606]	8970	[8246, 4705]
1306	[2372, 2373]	3861	[722, 5906]	6416	[90, 8264]	8971	[7682, 4451]
1307	[2374, 2375]	3862	[5907, 5908]	6417	[3720, 7098]	8972	[7886, 7767]
1308	[2376, 2377]	3863	[3064, 5909]	6418	[7316, 3110]	8973	[9806, 9807]
1309	[2378, 2379]	3864	[837, 3038]	6419	[481, 8265]	8974	[7810, 1131]
1310	[2380, 2381]	3865	[5910, 5589]	6420	[7180, 8266]	8975	[7718, 7841]
1311	[2382, 2383]	3866	[5066, 2609]	6421	[8267, 1464]	8976	[494, 4099]
1312	[178, 2384]	3867	[5911, 5912]	6422	[8268, 8269]	8977	[1535, 3249]
1313	[1992, 2385]	3868	[3070, 5062]	6423	[8270, 3820]	8978	[3328, 970]
1314	[2386, 2387]	3869	[12, 5913]	6424	[8271, 8272]	8979	[9808, 3344]
1315	[2388, 1918]	3870	[5914, 2654]	6425	[8189, 7671]	8980	[124, 3702]
1316	[2389, 2214]	3871	[2026, 5915]	6426	[8273, 8274]	8981	[407, 8409]
1317	[2390, 2391]	3872	[868, 5916]	6427	[8275, 1473]	8982	[3331, 9809]
1318	[2392, 2393]	3873	[5917, 2629]	6428	[424, 3694]	8983	[1409, 1007]
1319	[2394, 2395]	3874	[931, 5918]	6429	[8276, 8277]	8984	[1015, 9810]
1320	[2396, 2397]	3875	[1806, 586]	6430	[8278, 3447]	8985	[3196, 1612]
1321	[2398, 2399]	3876	[5919, 5920]	6431	[3956, 4154]	8986	[8087, 284]
1322	[2400, 2401]	3877	[2740, 2368]	6432	[8279, 8280]	8987	[8278, 8228]
1323	[2402, 2403]	3878	[5717, 5921]	6433	[8281, 8282]	8988	[1226, 9811]
1324	[2404, 2405]	3879	[5922, 2005]	6434	[7581, 8283]	8989	[7897, 9812]
1325	[2406, 2407]	3880	[5923, 222]	6435	[8284, 8285]	8990	[3142, 8322]
1326	[2408, 169]	3881	[5325, 5924]	6436	[7815, 7733]	8991	[8175, 3165]
1327	[2409, 2410]	3882	[5174, 5925]	6437	[8286, 8287]	8992	[1783, 3811]
1328	[2411, 2412]	3883	[5014, 5926]	6438	[4796, 8288]	8993	[7953, 1291]
1329	[2413, 2414]	3884	[5403, 5924]	6439	[8289, 4261]	8994	[3836, 7063]
1330	[2415, 2262]	3885	[5927, 5928]	6440	[4760, 7868]	8995	[9813, 9814]
1331	[2416, 2417]	3886	[5929, 953]	6441	[8290, 1147]	8996	[3737, 3494]

1332	[2418, 2419]	3887	[5615, 5930]	6442	[1605, 8291]	8997	[4595, 9815]
1333	[2420, 2421]	3888	[5798, 5931]	6443	[8292, 4358]	8998	[7695, 8034]
1334	[2422, 2423]	3889	[5932, 5202]	6444	[326, 8293]	8999	[7752, 9647]
1335	[2424, 2425]	3890	[5933, 5934]	6445	[28, 8294]	9000	[3293, 375]
1336	[595, 2426]	3891	[5935, 5936]	6446	[1666, 8295]	9001	[1615, 9746]
1337	[2308, 2427]	3892	[5937, 5938]	6447	[3171, 7983]	9002	[4639, 1404]
1338	[2428, 937]	3893	[129, 5939]	6448	[8296, 8297]	9003	[9816, 9817]
1339	[2429, 2430]	3894	[5940, 5251]	6449	[7488, 4510]	9004	[1073, 7931]
1340	[2431, 2432]	3895	[5941, 5942]	6450	[8298, 7400]	9005	[9818, 415]
1341	[2433, 2434]	3896	[2634, 5943]	6451	[475, 8299]	9006	[1030, 3957]
1342	[2435, 2436]	3897	[2808, 5944]	6452	[7826, 8300]	9007	[1204, 8295]
1343	[2437, 2438]	3898	[2097, 2577]	6453	[8130, 8301]	9008	[3242, 9819]
1344	[2439, 2440]	3899	[1880, 5945]	6454	[3854, 8302]	9009	[8036, 9820]
1345	[2441, 2442]	3900	[5878, 5946]	6455	[1089, 7145]	9010	[9821, 4170]
1346	[2443, 2444]	3901	[5947, 5948]	6456	[7164, 8303]	9011	[4566, 4652]
1347	[2445, 2251]	3902	[5949, 5950]	6457	[3614, 100]	9012	[7775, 3304]
1348	[166, 2446]	3903	[2112, 5951]	6458	[8304, 8305]	9013	[7565, 9822]
1349	[2447, 2448]	3904	[5952, 5953]	6459	[387, 8306]	9014	[9823, 9824]
1350	[2449, 2450]	3905	[5331, 5954]	6460	[7447, 8307]	9015	[9645, 3549]
1351	[2451, 2452]	3906	[1825, 5955]	6461	[8308, 8309]	9016	[8429, 9825]
1352	[2453, 2454]	3907	[5184, 2297]	6462	[1312, 3712]	9017	[9826, 4140]
1353	[2455, 2456]	3908	[2316, 5956]	6463	[3255, 7147]	9018	[3341, 4768]
1354	[2457, 2458]	3909	[5443, 1889]	6464	[8310, 1163]	9019	[4180, 4254]
1355	[2459, 2460]	3910	[5957, 5958]	6465	[8311, 7777]	9020	[7618, 9827]
1356	[2461, 2462]	3911	[2723, 5959]	6466	[7132, 8312]	9021	[4218, 9828]
1357	[2463, 2464]	3912	[5670, 133]	6467	[7594, 8313]	9022	[9829, 8146]
1358	[2465, 2466]	3913	[5352, 5960]	6468	[8165, 3887]	9023	[7607, 3870]
1359	[2467, 2468]	3914	[5961, 5962]	6469	[373, 1404]	9024	[1101, 7985]
1360	[2469, 2470]	3915	[5963, 5964]	6470	[8314, 8315]	9025	[3920, 9830]
1361	[2471, 2472]	3916	[2218, 2338]	6471	[3749, 4711]	9026	[8581, 7126]
1362	[2473, 2474]	3917	[2180, 5965]	6472	[7930, 8316]	9027	[3589, 4053]
1363	[2002, 2475]	3918	[5966, 5967]	6473	[8317, 7122]	9028	[4509, 7489]
1364	[2380, 858]	3919	[5968, 5969]	6474	[7265, 8318]	9029	[4237, 9831]
1365	[2476, 2067]	3920	[1890, 2286]	6475	[8180, 8319]	9030	[7808, 8605]
1366	[2477, 2478]	3921	[692, 5970]	6476	[8320, 8321]	9031	[4471, 9832]
1367	[1977, 2388]	3922	[5090, 2024]	6477	[7436, 7675]	9032	[4786, 7589]
1368	[2479, 2480]	3923	[5971, 5972]	6478	[8322, 3748]	9033	[1781, 1007]
1369	[2481, 2079]	3924	[5973, 5974]	6479	[8323, 4606]	9034	[3992, 9805]
1370	[1937, 2482]	3925	[5359, 5975]	6480	[8324, 4847]	9035	[7235, 8314]
1371	[56, 2483]	3926	[5976, 5194]	6481	[6955, 3612]	9036	[9833, 7420]
1372	[2484, 2485]	3927	[5977, 5978]	6482	[8325, 8326]	9037	[8561, 7800]
1373	[2486, 2487]	3928	[5812, 5971]	6483	[4475, 1035]	9038	[9834, 3573]
1374	[1847, 2488]	3929	[5524, 5979]	6484	[3743, 4069]	9039	[7007, 9835]
1375	[2489, 1985]	3930	[5323, 5980]	6485	[3849, 4083]	9040	[4092, 3791]

1376	[236, 2490]	3931	[5981, 5982]	6486	[362, 7391]	9041	[9836, 3895]
1377	[2491, 2492]	3932	[5983, 5984]	6487	[8327, 7240]	9042	[4701, 1226]
1378	[2493, 2494]	3933	[5867, 5985]	6488	[7334, 8328]	9043	[1156, 4660]
1379	[2495, 714]	3934	[5400, 5986]	6489	[3371, 4263]	9044	[9721, 9837]
1380	[2496, 2497]	3935	[5987, 5988]	6490	[8329, 1566]	9045	[1683, 8366]
1381	[2498, 2499]	3936	[5989, 5990]	6491	[484, 7168]	9046	[1782, 9838]
1382	[1801, 2500]	3937	[2694, 5991]	6492	[8330, 8228]	9047	[8321, 4443]
1383	[2501, 2502]	3938	[5992, 5306]	6493	[8271, 3863]	9048	[9689, 7536]
1384	[2106, 2503]	3939	[2615, 5993]	6494	[7383, 1229]	9049	[3846, 1214]
1385	[2504, 938]	3940	[5994, 5995]	6495	[3765, 7096]	9050	[8234, 7951]
1386	[2505, 2506]	3941	[920, 5996]	6496	[8331, 8332]	9051	[9790, 9839]
1387	[2507, 2508]	3942	[2060, 5997]	6497	[6959, 4360]	9052	[7311, 3370]
1388	[2509, 2510]	3943	[5998, 5999]	6498	[962, 8196]	9053	[3768, 8003]
1389	[2511, 2512]	3944	[6000, 6001]	6499	[3700, 8333]	9054	[9840, 9773]
1390	[2513, 2514]	3945	[6002, 6003]	6500	[7601, 7916]	9055	[8533, 1021]
1391	[2515, 2516]	3946	[5451, 6004]	6501	[4948, 4909]	9056	[4279, 8098]
1392	[2517, 2518]	3947	[5102, 180]	6502	[7766, 7184]	9057	[1139, 8514]
1393	[2519, 2520]	3948	[5691, 2670]	6503	[1222, 7186]	9058	[4459, 439]
1394	[2521, 2522]	3949	[6005, 60]	6504	[4184, 8334]	9059	[4336, 4051]
1395	[2523, 2524]	3950	[885, 757]	6505	[7064, 8335]	9060	[8192, 256]
1396	[2525, 523]	3951	[5039, 529]	6506	[8336, 7839]	9061	[3656, 427]
1397	[2526, 2527]	3952	[6006, 2845]	6507	[3997, 4912]	9062	[7332, 7934]
1398	[2528, 2529]	3953	[2680, 2781]	6508	[1059, 3752]	9063	[7746, 9841]
1399	[2530, 2531]	3954	[6007, 6008]	6509	[7556, 324]	9064	[1188, 8431]
1400	[718, 952]	3955	[6009, 6010]	6510	[1185, 8337]	9065	[1324, 7119]
1401	[2532, 2533]	3956	[6011, 6012]	6511	[3517, 1453]	9066	[7606, 1179]
1402	[2534, 1797]	3957	[5106, 6013]	6512	[8338, 3371]	9067	[3587, 9842]
1403	[201, 2535]	3958	[6014, 6015]	6513	[4931, 7476]	9068	[9843, 9844]
1404	[729, 2536]	3959	[6016, 6017]	6514	[3983, 8339]	9069	[7591, 7629]
1405	[177, 2537]	3960	[2987, 6018]	6515	[8340, 8341]	9070	[7663, 1199]
1406	[216, 2538]	3961	[2390, 6019]	6516	[4494, 3476]	9071	[6986, 333]
1407	[249, 2539]	3962	[2095, 5175]	6517	[3584, 477]	9072	[3965, 335]
1408	[2485, 2540]	3963	[5619, 6020]	6518	[7926, 8342]	9073	[8210, 9742]
1409	[866, 2541]	3964	[6021, 6022]	6519	[4171, 7067]	9074	[3362, 9845]
1410	[2542, 2543]	3965	[5799, 535]	6520	[8343, 8344]	9075	[9846, 1093]
1411	[2544, 2545]	3966	[5078, 6023]	6521	[4932, 3641]	9076	[9847, 9848]
1412	[2546, 2096]	3967	[5407, 5723]	6522	[4789, 8345]	9077	[4401, 7329]
1413	[2547, 2392]	3968	[2323, 6024]	6523	[8152, 8092]	9078	[1217, 9849]
1414	[2548, 2549]	3969	[6025, 6026]	6524	[7111, 8346]	9079	[9766, 9850]
1415	[2550, 2551]	3970	[5756, 2765]	6525	[8347, 8348]	9080	[8379, 7915]
1416	[2552, 635]	3971	[886, 6027]	6526	[1148, 8349]	9081	[8393, 3108]
1417	[2553, 2554]	3972	[6028, 6029]	6527	[8223, 7174]	9082	[3889, 4602]
1418	[2555, 2556]	3973	[6030, 5401]	6528	[4832, 7618]	9083	[7471, 9851]
1419	[2557, 2558]	3974	[6031, 6032]	6529	[3558, 3452]	9084	[7588, 4787]

1420	[127, 2559]	3975	[514, 6033]	6530	[8234, 8350]	9085	[1133, 7805]
1421	[2560, 2561]	3976	[6034, 2522]	6531	[3292, 7937]	9086	[268, 7415]
1422	[2197, 2562]	3977	[5135, 5293]	6532	[8351, 3360]	9087	[9852, 9743]
1423	[2563, 2564]	3978	[6035, 2628]	6533	[8352, 3173]	9088	[1518, 9853]
1424	[2565, 2566]	3979	[513, 6036]	6534	[8353, 3230]	9089	[7809, 116]
1425	[2567, 2568]	3980	[2067, 672]	6535	[8354, 3206]	9090	[8451, 988]
1426	[2569, 2570]	3981	[5595, 6037]	6536	[8355, 7649]	9091	[7936, 7966]
1427	[2571, 2572]	3982	[6038, 5210]	6537	[3760, 8356]	9092	[4643, 7049]
1428	[2573, 2574]	3983	[6039, 1961]	6538	[3945, 3207]	9093	[7912, 4563]
1429	[2575, 2576]	3984	[5899, 5627]	6539	[7478, 4311]	9094	[1334, 9854]
1430	[2577, 2578]	3985	[6040, 5466]	6540	[7908, 3190]	9095	[9855, 1310]
1431	[2579, 2580]	3986	[2469, 187]	6541	[1734, 8357]	9096	[7560, 7069]
1432	[132, 2581]	3987	[2611, 6041]	6542	[8358, 8359]	9097	[7723, 4716]
1433	[2582, 2166]	3988	[2362, 6042]	6543	[8360, 8361]	9098	[7083, 9856]
1434	[512, 2583]	3989	[6043, 5792]	6544	[7789, 7635]	9099	[1002, 6960]
1435	[2584, 880]	3990	[6044, 2969]	6545	[8362, 3698]	9100	[1108, 8454]
1436	[2577, 2585]	3991	[6045, 6046]	6546	[348, 8363]	9101	[9857, 9858]
1437	[2586, 2587]	3992	[5290, 6047]	6547	[8364, 8280]	9102	[459, 9859]
1438	[2588, 195]	3993	[2725, 6048]	6548	[3352, 8365]	9103	[3508, 3292]
1439	[2589, 2590]	3994	[5119, 6049]	6549	[4736, 8366]	9104	[7617, 1135]
1440	[755, 2591]	3995	[136, 5593]	6550	[8138, 8367]	9105	[1373, 4223]
1441	[2592, 2593]	3996	[5734, 6050]	6551	[7278, 8318]	9106	[1271, 8294]
1442	[32, 2594]	3997	[6051, 5937]	6552	[8368, 1608]	9107	[8098, 7402]
1443	[762, 2595]	3998	[6052, 6053]	6553	[993, 8369]	9108	[8606, 9860]
1444	[2596, 2597]	3999	[6054, 2349]	6554	[7827, 7149]	9109	[425, 9861]
1445	[2168, 2598]	4000	[6055, 5098]	6555	[8370, 8371]	9110	[1727, 9862]
1446	[2599, 2600]	4001	[2400, 163]	6556	[8372, 7630]	9111	[7403, 8359]
1447	[785, 2601]	4002	[936, 6056]	6557	[4691, 8373]	9112	[9863, 9864]
1448	[2602, 2392]	4003	[6057, 6058]	6558	[3308, 8084]	9113	[323, 7557]
1449	[2603, 2604]	4004	[6059, 2322]	6559	[3536, 8374]	9114	[7446, 8513]
1450	[1905, 2605]	4005	[6060, 5366]	6560	[8375, 8376]	9115	[4775, 3873]
1451	[2606, 2607]	4006	[6061, 5857]	6561	[4111, 8054]	9116	[3829, 9865]
1452	[2608, 2609]	4007	[916, 6062]	6562	[7284, 8377]	9117	[8461, 8038]
1453	[2610, 536]	4008	[6063, 2993]	6563	[7189, 7151]	9118	[8554, 9794]
1454	[2092, 2011]	4009	[6064, 6065]	6564	[3132, 8378]	9119	[7866, 9809]
1455	[1906, 2611]	4010	[5362, 6066]	6565	[8379, 7601]	9120	[9866, 3511]
1456	[856, 2612]	4011	[2635, 6067]	6566	[8380, 4331]	9121	[7924, 1162]
1457	[736, 2613]	4012	[6068, 2684]	6567	[8381, 1344]	9122	[9867, 8041]
1458	[2614, 2615]	4013	[5529, 6069]	6568	[4891, 112]	9123	[7312, 9868]
1459	[2616, 2617]	4014	[6070, 6071]	6569	[7847, 8382]	9124	[8534, 9869]
1460	[2618, 2619]	4015	[5460, 6072]	6570	[7071, 4222]	9125	[7156, 1470]
1461	[2620, 2621]	4016	[6073, 5564]	6571	[3178, 3846]	9126	[9709, 9626]
1462	[2622, 2623]	4017	[2784, 6074]	6572	[8018, 8383]	9127	[4865, 342]
1463	[2624, 2625]	4018	[6075, 6076]	6573	[3801, 8384]	9128	[4186, 3245]

1464	[2626, 2627]	4019	[6077, 2858]	6574	[8073, 8385]	9129	[8127, 7105]
1465	[2628, 2629]	4020	[6078, 6079]	6575	[8386, 4341]	9130	[9870, 271]
1466	[2630, 2233]	4021	[5986, 6080]	6576	[4058, 8197]	9131	[9871, 8381]
1467	[2631, 868]	4022	[6081, 642]	6577	[7491, 3619]	9132	[7676, 1767]
1468	[1794, 2597]	4023	[2674, 6082]	6578	[8050, 3723]	9133	[4416, 8300]
1469	[2632, 2633]	4024	[6083, 2615]	6579	[980, 8387]	9134	[375, 9872]
1470	[2634, 2436]	4025	[5532, 5511]	6580	[7299, 408]	9135	[7665, 8371]
1471	[847, 691]	4026	[3074, 2979]	6581	[8063, 1452]	9136	[1216, 4162]
1472	[2635, 2636]	4027	[5150, 6084]	6582	[335, 8111]	9137	[9873, 9874]
1473	[2637, 2638]	4028	[2340, 6085]	6583	[3786, 453]	9138	[4205, 9820]
1474	[2639, 2640]	4029	[1837, 6086]	6584	[7907, 8388]	9139	[4392, 9875]
1475	[2641, 2642]	4030	[2237, 6087]	6585	[1456, 7306]	9140	[1037, 3483]
1476	[2643, 558]	4031	[5825, 6088]	6586	[4251, 4603]	9141	[8252, 7219]
1477	[2644, 2645]	4032	[5995, 6089]	6587	[3404, 8389]	9142	[7484, 9876]
1478	[46, 566]	4033	[2210, 5970]	6588	[8390, 8016]	9143	[382, 3221]
1479	[2646, 2647]	4034	[6090, 6091]	6589	[7342, 8391]	9144	[3583, 7341]
1480	[2648, 2649]	4035	[892, 5620]	6590	[8392, 7118]	9145	[7421, 1679]
1481	[655, 2650]	4036	[5608, 6092]	6591	[4134, 4614]	9146	[3167, 9733]
1482	[1925, 2651]	4037	[2780, 2681]	6592	[8393, 1736]	9147	[7630, 95]
1483	[2652, 2653]	4038	[2385, 6093]	6593	[8238, 1261]	9148	[4718, 9822]
1484	[2654, 2655]	4039	[6094, 1902]	6594	[7378, 7734]	9149	[8602, 1193]
1485	[2656, 2657]	4040	[6095, 6096]	6595	[4727, 4277]	9150	[3575, 8380]
1486	[2658, 2082]	4041	[6097, 6098]	6596	[1248, 497]	9151	[1664, 9877]
1487	[2659, 2660]	4042	[6099, 6100]	6597	[4051, 7605]	9152	[3714, 1284]
1488	[2661, 2662]	4043	[6101, 5616]	6598	[4861, 8394]	9153	[3528, 9878]
1489	[2663, 2664]	4044	[6102, 6103]	6599	[8395, 7676]	9154	[8454, 9877]
1490	[2665, 203]	4045	[854, 6104]	6600	[1648, 4233]	9155	[1414, 9879]
1491	[2666, 2667]	4046	[672, 5986]	6601	[4117, 4860]	9156	[9880, 9881]
1492	[2668, 242]	4047	[2225, 2313]	6602	[8396, 8397]	9157	[3812, 1463]
1493	[2219, 2669]	4048	[817, 5337]	6603	[3330, 4093]	9158	[4103, 4196]
1494	[180, 1872]	4049	[6105, 4978]	6604	[8398, 8399]	9159	[7330, 3938]
1495	[2670, 2671]	4050	[6106, 1886]	6605	[8400, 4862]	9160	[387, 7939]
1496	[2672, 2673]	4051	[55, 6107]	6606	[7497, 7664]	9161	[4772, 8071]
1497	[2674, 2675]	4052	[6108, 5736]	6607	[7103, 8401]	9162	[9882, 3489]
1498	[2147, 2676]	4053	[6109, 5638]	6608	[1379, 8113]	9163	[1326, 7234]
1499	[2677, 2559]	4054	[6110, 6111]	6609	[8402, 1539]	9164	[1722, 3909]
1500	[1965, 2678]	4055	[6112, 6113]	6610	[4183, 6986]	9165	[4856, 9883]
1501	[893, 2679]	4056	[6114, 6115]	6611	[8403, 7199]	9166	[4730, 9884]
1502	[2680, 2681]	4057	[508, 6116]	6612	[1220, 7635]	9167	[4162, 9849]
1503	[2682, 2683]	4058	[5472, 6117]	6613	[4080, 3171]	9168	[8276, 9885]
1504	[162, 2401]	4059	[6118, 6119]	6614	[1169, 4705]	9169	[9886, 8597]
1505	[2283, 2684]	4060	[2561, 2299]	6615	[4433, 8404]	9170	[454, 7708]
1506	[2685, 2686]	4061	[6120, 6121]	6616	[7359, 8405]	9171	[7743, 4438]
1507	[185, 2687]	4062	[6122, 6123]	6617	[4144, 4826]	9172	[9887, 4864]

1508	[2688, 2689]	4063	[5748, 2475]	6618	[8375, 8149]	9173	[977, 9888]
1509	[2690, 2691]	4064	[2668, 808]	6619	[7127, 3631]	9174	[380, 4081]
1510	[2692, 2693]	4065	[6057, 183]	6620	[8406, 3981]	9175	[4452, 3389]
1511	[2694, 2695]	4066	[6124, 6125]	6621	[7984, 7314]	9176	[4648, 3841]
1512	[1815, 2696]	4067	[2164, 6126]	6622	[8407, 8408]	9177	[4216, 8030]
1513	[2697, 2698]	4068	[6127, 6128]	6623	[476, 3418]	9178	[1772, 4223]
1514	[2699, 2700]	4069	[2303, 5964]	6624	[3979, 4943]	9179	[1217, 9889]
1515	[2701, 2702]	4070	[6129, 6130]	6625	[7457, 7440]	9180	[3368, 1403]
1516	[2703, 2704]	4071	[2254, 2269]	6626	[3804, 4285]	9181	[460, 1088]
1517	[2705, 2706]	4072	[6131, 6132]	6627	[1324, 8409]	9182	[8187, 1372]
1518	[2707, 2708]	4073	[6133, 6134]	6628	[1046, 3488]	9183	[9890, 432]
1519	[2709, 2347]	4074	[5763, 6135]	6629	[7909, 8119]	9184	[1614, 4421]
1520	[2710, 2711]	4075	[564, 6025]	6630	[3939, 4594]	9185	[3670, 7299]
1521	[2712, 2713]	4076	[566, 6043]	6631	[7463, 4915]	9186	[1586, 1151]
1522	[204, 2306]	4077	[6136, 6137]	6632	[8410, 3527]	9187	[1277, 9891]
1523	[2062, 2714]	4078	[5971, 6138]	6633	[3564, 8411]	9188	[1615, 4422]
1524	[2715, 2716]	4079	[6139, 6140]	6634	[3638, 8412]	9189	[9684, 4628]
1525	[2717, 2664]	4080	[248, 6141]	6635	[7960, 6972]	9190	[7968, 4537]
1526	[2718, 2719]	4081	[2004, 5478]	6636	[3645, 4066]	9191	[1547, 9892]
1527	[578, 2720]	4082	[6142, 848]	6637	[8413, 8344]	9192	[9699, 100]
1528	[2721, 2722]	4083	[5613, 6143]	6638	[8323, 8414]	9193	[7182, 7263]
1529	[2723, 2724]	4084	[1794, 6144]	6639	[3624, 355]	9194	[9620, 1476]
1530	[2725, 2726]	4085	[2010, 2093]	6640	[1179, 7154]	9195	[7441, 3783]
1531	[2727, 2728]	4086	[6145, 6146]	6641	[8415, 4348]	9196	[264, 9893]
1532	[2729, 2730]	4087	[6147, 6148]	6642	[8416, 4596]	9197	[6984, 8029]
1533	[2731, 2732]	4088	[5425, 6149]	6643	[3776, 3879]	9198	[1644, 4035]
1534	[1974, 2733]	4089	[5402, 824]	6644	[1207, 1559]	9199	[982, 9894]
1535	[783, 2734]	4090	[6150, 6151]	6645	[8417, 1770]	9200	[4162, 9889]
1536	[2546, 2735]	4091	[5767, 5398]	6646	[4218, 8418]	9201	[9800, 4288]
1537	[2736, 2737]	4092	[2637, 6152]	6647	[4510, 8419]	9202	[3795, 9895]
1538	[2738, 2017]	4093	[557, 6153]	6648	[8420, 3590]	9203	[8358, 7404]
1539	[593, 2739]	4094	[840, 5662]	6649	[3688, 1270]	9204	[8268, 9896]
1540	[2740, 2741]	4095	[6154, 2097]	6650	[7596, 3816]	9205	[9897, 8174]
1541	[715, 2742]	4096	[6155, 6156]	6651	[8421, 7005]	9206	[9898, 343]
1542	[2743, 2744]	4097	[2184, 6157]	6652	[4195, 4104]	9207	[346, 3725]
1543	[2457, 2745]	4098	[6158, 2534]	6653	[4115, 3820]	9208	[3112, 1082]
1544	[2746, 2140]	4099	[1884, 6159]	6654	[8422, 4648]	9209	[8014, 3276]
1545	[2747, 2435]	4100	[6160, 6161]	6655	[8423, 488]	9210	[9899, 1263]
1546	[2748, 2749]	4101	[5579, 551]	6656	[4183, 7919]	9211	[1218, 4010]
1547	[2750, 2751]	4102	[227, 6162]	6657	[4101, 1534]	9212	[1555, 3637]
1548	[2333, 2752]	4103	[2623, 6163]	6658	[1600, 8190]	9213	[1471, 4172]
1549	[2753, 2754]	4104	[6164, 6165]	6659	[8424, 7418]	9214	[3882, 8319]
1550	[2683, 2755]	4105	[6166, 6167]	6660	[8425, 1289]	9215	[1633, 1108]
1551	[2756, 2757]	4106	[6168, 6169]	6661	[317, 8426]	9216	[9707, 9900]

1552	[2758, 2759]	4107	[6170, 6171]	6662	[7834, 8427]	9217	[9835, 9901]
1553	[2760, 2761]	4108	[6172, 6173]	6663	[8428, 4564]	9218	[9728, 3830]
1554	[2762, 2763]	4109	[6174, 3069]	6664	[8429, 8430]	9219	[1787, 3439]
1555	[2764, 2626]	4110	[3029, 6175]	6665	[8249, 8431]	9220	[8025, 4799]
1556	[866, 2765]	4111	[5640, 6176]	6666	[4006, 7340]	9221	[3216, 9902]
1557	[2766, 2767]	4112	[2102, 6177]	6667	[1231, 8432]	9222	[9669, 9903]
1558	[2768, 2418]	4113	[5480, 5830]	6668	[4823, 3808]	9223	[4246, 9904]
1559	[2211, 2769]	4114	[6178, 6121]	6669	[1659, 1351]	9224	[4645, 7021]
1560	[2444, 2770]	4115	[528, 6179]	6670	[1720, 8433]	9225	[3368, 8061]
1561	[765, 2771]	4116	[758, 6134]	6671	[3957, 8434]	9226	[8238, 3477]
1562	[2772, 2773]	4117	[2530, 6180]	6672	[8177, 7159]	9227	[1060, 9905]
1563	[2774, 2775]	4118	[2978, 577]	6673	[301, 1386]	9228	[3608, 7586]
1564	[951, 719]	4119	[6181, 2289]	6674	[8435, 3150]	9229	[3271, 1505]
1565	[2776, 2777]	4120	[1936, 2455]	6675	[7490, 8128]	9230	[9843, 9864]
1566	[2778, 2779]	4121	[6182, 6183]	6676	[3232, 4441]	9231	[1456, 3987]
1567	[2780, 2781]	4122	[5280, 6184]	6677	[4023, 1343]	9232	[4737, 4214]
1568	[185, 2782]	4123	[5376, 2194]	6678	[8436, 4617]	9233	[8329, 7005]
1569	[2783, 2784]	4124	[2289, 6185]	6679	[7082, 3502]	9234	[9779, 385]
1570	[2785, 2786]	4125	[6186, 1879]	6680	[8437, 1240]	9235	[9906, 7361]
1571	[2222, 909]	4126	[2846, 2158]	6681	[3933, 8438]	9236	[7931, 4137]
1572	[2787, 2788]	4127	[6187, 1862]	6682	[3249, 7387]	9237	[8481, 9907]
1573	[2789, 2790]	4128	[6188, 6189]	6683	[8236, 1666]	9238	[3845, 1526]
1574	[2791, 2792]	4129	[6190, 6191]	6684	[8439, 4664]	9239	[9908, 7255]
1575	[2793, 2099]	4130	[1836, 6192]	6685	[3792, 8440]	9240	[1326, 9909]
1576	[2794, 2795]	4131	[2681, 5282]	6686	[1724, 8441]	9241	[1126, 7233]
1577	[2778, 2796]	4132	[213, 6193]	6687	[8442, 8443]	9242	[8499, 8253]
1578	[2797, 2798]	4133	[5953, 6194]	6688	[8444, 3967]	9243	[1557, 4356]
1579	[2799, 504]	4134	[2799, 5328]	6689	[8445, 3523]	9244	[4605, 8414]
1580	[2800, 2801]	4135	[6195, 6196]	6690	[7644, 8446]	9245	[1565, 7849]
1581	[2356, 2802]	4136	[1990, 6197]	6691	[8447, 8448]	9246	[7514, 3816]
1582	[2803, 2232]	4137	[5740, 590]	6692	[3615, 101]	9247	[9703, 4688]
1583	[2804, 2805]	4138	[6198, 6199]	6693	[4836, 8449]	9248	[3245, 9910]
1584	[2806, 2807]	4139	[2746, 52]	6694	[7352, 8450]	9249	[4563, 7040]
1585	[2274, 2808]	4140	[938, 6200]	6695	[8451, 4011]	9250	[7336, 9911]
1586	[2463, 2809]	4141	[5568, 6201]	6696	[3455, 8452]	9251	[9711, 9912]
1587	[145, 2810]	4142	[2171, 6140]	6697	[4263, 4729]	9252	[1677, 9913]
1588	[2811, 2812]	4143	[2027, 6202]	6698	[1384, 4194]	9253	[462, 3669]
1589	[2813, 59]	4144	[2133, 941]	6699	[8453, 1439]	9254	[8059, 8554]
1590	[2814, 2815]	4145	[2365, 6203]	6700	[8204, 1333]	9255	[7399, 9797]
1591	[2816, 2817]	4146	[6204, 2973]	6701	[1141, 7821]	9256	[4830, 4398]
1592	[569, 2818]	4147	[2377, 6205]	6702	[8454, 1665]	9257	[7432, 9715]
1593	[2819, 2820]	4148	[6206, 6207]	6703	[8455, 4059]	9258	[4307, 7186]
1594	[2821, 2822]	4149	[3032, 6208]	6704	[7337, 8456]	9259	[3272, 9914]
1595	[2823, 2824]	4150	[6209, 6210]	6705	[8327, 8457]	9260	[8080, 9915]

1596	[2378, 2825]	4151	[616, 6211]	6706	[4945, 3539]	9261	[8134, 7003]
1597	[2826, 2300]	4152	[5277, 6079]	6707	[8458, 4739]	9262	[3628, 9888]
1598	[631, 2827]	4153	[5825, 5169]	6708	[3422, 8459]	9263	[8544, 7218]
1599	[2828, 2589]	4154	[3083, 3098]	6709	[8460, 4767]	9264	[7974, 1407]
1600	[2829, 2830]	4155	[2745, 6212]	6710	[4947, 4908]	9265	[9785, 6971]
1601	[2831, 2832]	4156	[6213, 5440]	6711	[8461, 115]	9266	[4105, 9916]
1602	[2833, 2834]	4157	[5250, 6214]	6712	[1308, 4146]	9267	[9699, 3615]
1603	[2835, 2836]	4158	[6215, 6216]	6713	[4893, 8462]	9268	[3941, 1447]
1604	[2837, 2838]	4159	[2644, 6217]	6714	[3875, 8463]	9269	[8402, 7392]
1605	[2839, 2840]	4160	[5752, 6218]	6715	[8464, 7197]	9270	[7005, 1567]
1606	[2841, 2842]	4161	[5086, 6219]	6716	[8465, 8466]	9271	[8423, 81]
1607	[2142, 2843]	4162	[6220, 2416]	6717	[4329, 4108]	9272	[6979, 1522]
1608	[2844, 2845]	4163	[213, 6221]	6718	[1747, 4249]	9273	[1435, 4816]
1609	[2846, 2847]	4164	[6222, 6223]	6719	[4419, 8467]	9274	[3658, 7547]
1610	[2848, 2849]	4165	[6224, 6225]	6720	[8468, 8469]	9275	[3853, 7131]
1611	[2850, 2851]	4166	[6226, 6227]	6721	[8131, 362]	9276	[1254, 9917]
1612	[2852, 2853]	4167	[2262, 6228]	6722	[4067, 8470]	9277	[4858, 1633]
1613	[2854, 2514]	4168	[6229, 6230]	6723	[4446, 1517]	9278	[3694, 9861]
1614	[2855, 2856]	4169	[5562, 6231]	6724	[4633, 257]	9279	[1671, 1075]
1615	[2259, 2857]	4170	[2884, 5146]	6725	[1374, 8471]	9280	[4275, 1282]
1616	[2858, 2859]	4171	[2672, 738]	6726	[8472, 8473]	9281	[3826, 9918]
1617	[2860, 2861]	4172	[1841, 5969]	6727	[1674, 8474]	9282	[9672, 7023]
1618	[2862, 2863]	4173	[5266, 2360]	6728	[3199, 8475]	9283	[4844, 1316]
1619	[2864, 2123]	4174	[2355, 6232]	6729	[1408, 1781]	9284	[9919, 8497]
1620	[2865, 2866]	4175	[3015, 6233]	6730	[1653, 8476]	9285	[3679, 9920]
1621	[777, 2867]	4176	[6234, 6235]	6731	[975, 8477]	9286	[4760, 8412]
1622	[2018, 2456]	4177	[6236, 6237]	6732	[3857, 8478]	9287	[1401, 6970]
1623	[2117, 596]	4178	[5405, 6238]	6733	[8437, 7705]	9288	[9921, 9922]
1624	[1801, 2868]	4179	[5080, 5653]	6734	[7183, 3531]	9289	[285, 9832]
1625	[2869, 2870]	4180	[5152, 3076]	6735	[7269, 8479]	9290	[3950, 1254]
1626	[2871, 2872]	4181	[520, 5985]	6736	[8480, 3598]	9291	[9923, 27]
1627	[2873, 2874]	4182	[6239, 6240]	6737	[8481, 8482]	9292	[1670, 1074]
1628	[2875, 2876]	4183	[6241, 6242]	6738	[8483, 4879]	9293	[1381, 7944]
1629	[2877, 2878]	4184	[6243, 6244]	6739	[1306, 7038]	9294	[7427, 8382]
1630	[2879, 2880]	4185	[2363, 2758]	6740	[4451, 8484]	9295	[97, 9924]
1631	[2881, 2636]	4186	[1961, 6245]	6741	[7417, 8485]	9296	[1263, 4623]
1632	[2882, 2340]	4187	[1804, 6246]	6742	[4513, 3800]	9297	[7819, 9925]
1633	[706, 2883]	4188	[5421, 6247]	6743	[7900, 8404]	9298	[7066, 496]
1634	[2884, 2885]	4189	[6248, 6249]	6744	[8486, 1156]	9299	[7632, 9656]
1635	[2886, 2887]	4190	[5883, 6250]	6745	[4687, 3631]	9300	[4554, 4489]
1636	[2888, 2889]	4191	[2325, 711]	6746	[8487, 3732]	9301	[9926, 4939]
1637	[2569, 2890]	4192	[5512, 6251]	6747	[3112, 7818]	9302	[7313, 464]
1638	[1953, 2891]	4193	[6252, 2137]	6748	[3906, 4466]	9303	[1128, 9927]
1639	[2036, 2892]	4194	[5342, 4989]	6749	[3890, 3521]	9304	[4007, 7241]

1640	[2893, 2894]	4195	[6253, 6254]	6750	[8027, 4370]	9305	[106, 7305]
1641	[2895, 2896]	4196	[6255, 5866]	6751	[8488, 8489]	9306	[279, 9928]
1642	[2897, 2722]	4197	[6256, 2898]	6752	[4144, 1209]	9307	[9929, 1117]
1643	[2898, 2899]	4198	[5860, 5760]	6753	[3820, 8490]	9308	[1010, 7176]
1644	[2115, 2900]	4199	[5709, 6257]	6754	[4406, 7014]	9309	[3511, 9930]
1645	[2020, 2901]	4200	[6258, 6259]	6755	[8491, 8492]	9310	[7977, 8301]
1646	[2902, 2903]	4201	[5511, 6260]	6756	[1386, 8231]	9311	[3544, 9755]
1647	[2904, 2905]	4202	[6261, 5419]	6757	[7791, 8493]	9312	[8442, 9931]
1648	[2906, 2907]	4203	[875, 631]	6758	[7315, 26]	9313	[1477, 7616]
1649	[2908, 2909]	4204	[2153, 2926]	6759	[8494, 3611]	9314	[4263, 301]
1650	[2910, 2215]	4205	[2045, 779]	6760	[4224, 8474]	9315	[7926, 6967]
1651	[2911, 639]	4206	[6243, 6262]	6761	[3288, 8495]	9316	[4413, 4191]
1652	[2225, 2912]	4207	[6263, 5545]	6762	[405, 8496]	9317	[9932, 3856]
1653	[578, 2913]	4208	[6264, 142]	6763	[8259, 7483]	9318	[7678, 1258]
1654	[2914, 2915]	4209	[5167, 6265]	6764	[7541, 4318]	9319	[4481, 9661]
1655	[2059, 2916]	4210	[2226, 6266]	6765	[1132, 7804]	9320	[7697, 9933]
1656	[2375, 2917]	4211	[6267, 6268]	6766	[7815, 3227]	9321	[483, 7459]
1657	[2918, 2383]	4212	[6269, 6189]	6767	[8292, 3617]	9322	[9934, 9935]
1658	[2919, 2920]	4213	[5545, 6270]	6768	[4286, 963]	9323	[4260, 8518]
1659	[2750, 2921]	4214	[6271, 6119]	6769	[1134, 1671]	9324	[4129, 9936]
1660	[2922, 2923]	4215	[5024, 6272]	6770	[7190, 8497]	9325	[9937, 965]
1661	[2924, 2925]	4216	[6273, 6274]	6771	[8498, 1444]	9326	[3966, 9938]
1662	[2926, 2612]	4217	[6078, 5278]	6772	[4415, 7826]	9327	[7305, 4132]
1663	[884, 2927]	4218	[782, 5958]	6773	[7186, 7058]	9328	[7678, 4809]
1664	[1859, 2928]	4219	[6275, 6276]	6774	[8499, 3894]	9329	[3377, 3562]
1665	[2055, 2929]	4220	[174, 6277]	6775	[3264, 7293]	9330	[339, 7648]
1666	[2043, 2930]	4221	[6025, 6278]	6776	[7337, 8500]	9331	[8594, 7486]
1667	[2931, 2592]	4222	[6279, 6280]	6777	[361, 8088]	9332	[7293, 9939]
1668	[1961, 2932]	4223	[2485, 6281]	6778	[7126, 4687]	9333	[3951, 9917]
1669	[2933, 2934]	4224	[2758, 743]	6779	[1781, 3956]	9334	[4056, 1693]
1670	[2935, 2936]	4225	[6282, 1814]	6780	[8501, 8502]	9335	[9940, 7181]
1671	[2937, 2938]	4226	[6283, 2506]	6781	[1576, 3922]	9336	[9941, 9942]
1672	[2939, 2940]	4227	[6284, 6285]	6782	[1146, 8503]	9337	[4262, 4933]
1673	[2583, 1800]	4228	[5724, 6286]	6783	[3764, 8504]	9338	[394, 7507]
1674	[2941, 2942]	4229	[6287, 6288]	6784	[7048, 4139]	9339	[8597, 7901]
1675	[2943, 1875]	4230	[6289, 5643]	6785	[3400, 8505]	9340	[7034, 4456]
1676	[2944, 2945]	4231	[6290, 6291]	6786	[8506, 8507]	9341	[1032, 9943]
1677	[2946, 2947]	4232	[6292, 6293]	6787	[4653, 7392]	9342	[9932, 7626]
1678	[2948, 2949]	4233	[932, 6294]	6788	[3386, 8508]	9343	[8506, 8525]
1679	[2950, 2951]	4234	[6295, 686]	6789	[8487, 4126]	9344	[4726, 9944]
1680	[1817, 2952]	4235	[5705, 6296]	6790	[7032, 8117]	9345	[3166, 3466]
1681	[2953, 2954]	4236	[5783, 6297]	6791	[8509, 1116]	9346	[1274, 8196]
1682	[2955, 2570]	4237	[6298, 6299]	6792	[8510, 8511]	9347	[8412, 1789]
1683	[1823, 2956]	4238	[3093, 6300]	6793	[7392, 1540]	9348	[9798, 1712]

1684	[2957, 2958]	4239	[6301, 6302]	6794	[8512, 3204]	9349	[1609, 9945]
1685	[2959, 2960]	4240	[657, 6303]	6795	[7288, 8513]	9350	[8464, 4569]
1686	[901, 1967]	4241	[6304, 5974]	6796	[1176, 8514]	9351	[75, 7073]
1687	[899, 2961]	4242	[2583, 6036]	6797	[1100, 7984]	9352	[7124, 4916]
1688	[901, 896]	4243	[1903, 2575]	6798	[464, 7086]	9353	[8007, 9946]
1689	[2033, 234]	4244	[6305, 2795]	6799	[4457, 1210]	9354	[406, 1324]
1690	[1967, 897]	4245	[6306, 6307]	6800	[7018, 4047]	9355	[1250, 7646]
1691	[2033, 2962]	4246	[6308, 5828]	6801	[8515, 4714]	9356	[8192, 4633]
1692	[2958, 2963]	4247	[6275, 6309]	6802	[8516, 7447]	9357	[7874, 9947]
1693	[2964, 2956]	4248	[6310, 5527]	6803	[8517, 4890]	9358	[4429, 1266]
1694	[2965, 2961]	4249	[6158, 5691]	6804	[442, 3999]	9359	[7081, 3424]
1695	[2966, 2967]	4250	[640, 6311]	6805	[1382, 4899]	9360	[4233, 1128]
1696	[2968, 582]	4251	[5083, 2878]	6806	[7541, 4877]	9361	[8439, 4759]
1697	[44, 2603]	4252	[6312, 6313]	6807	[8518, 8519]	9362	[4484, 3186]
1698	[2534, 2670]	4253	[6136, 2430]	6808	[7831, 8335]	9363	[4952, 9654]
1699	[2969, 2970]	4254	[773, 6314]	6809	[7388, 8520]	9364	[441, 1361]
1700	[2971, 2972]	4255	[2252, 6315]	6810	[1777, 7965]	9365	[4895, 1638]
1701	[209, 677]	4256	[5165, 6316]	6811	[7792, 8521]	9366	[7411, 3656]
1702	[2821, 2973]	4257	[2079, 5015]	6812	[409, 7056]	9367	[4274, 7959]
1703	[2974, 2975]	4258	[6317, 6318]	6813	[1284, 4389]	9368	[4081, 9948]
1704	[2976, 2977]	4259	[6319, 6066]	6814	[8522, 8523]	9369	[8483, 9949]
1705	[2978, 2833]	4260	[6320, 6321]	6815	[7498, 4547]	9370	[8353, 9950]
1706	[2979, 2980]	4261	[6322, 6323]	6816	[8524, 8525]	9371	[9951, 4662]
1707	[2981, 2982]	4262	[6324, 6325]	6817	[69, 7748]	9372	[4869, 7000]
1708	[170, 2983]	4263	[6326, 6327]	6818	[8303, 8526]	9373	[8123, 9749]
1709	[2984, 832]	4264	[6328, 6329]	6819	[8527, 8384]	9374	[4436, 9952]
1710	[2985, 1843]	4265	[5534, 5990]	6820	[8528, 8529]	9375	[7530, 9750]
1711	[2961, 2986]	4266	[6330, 3075]	6821	[8530, 7433]	9376	[9753, 3239]
1712	[2987, 2988]	4267	[865, 5756]	6822	[4816, 7955]	9377	[4749, 7365]
1713	[2989, 2990]	4268	[5952, 230]	6823	[7986, 8531]	9378	[1370, 8032]
1714	[2991, 2992]	4269	[6331, 5495]	6824	[4944, 7467]	9379	[316, 1580]
1715	[2104, 2335]	4270	[6332, 5421]	6825	[8532, 4085]	9380	[3527, 9953]
1716	[2217, 2337]	4271	[6333, 6334]	6826	[8533, 8534]	9381	[4426, 9670]
1717	[2993, 2994]	4272	[5898, 6335]	6827	[4854, 7958]	9382	[9890, 4188]
1718	[2995, 2996]	4273	[6336, 2934]	6828	[8535, 8536]	9383	[1395, 9954]
1719	[2183, 2997]	4274	[5658, 6337]	6829	[7425, 4951]	9384	[4188, 433]
1720	[681, 2998]	4275	[6338, 1893]	6830	[376, 8537]	9385	[1422, 4060]
1721	[2999, 46]	4276	[5045, 6339]	6831	[453, 8538]	9386	[8310, 391]
1722	[57, 3000]	4277	[897, 2553]	6832	[123, 7125]	9387	[1168, 8246]
1723	[1939, 3001]	4278	[6340, 750]	6833	[7383, 1329]	9388	[3996, 4172]
1724	[3002, 2164]	4279	[1878, 6341]	6834	[8539, 4721]	9389	[7799, 7930]
1725	[3003, 3004]	4280	[6076, 6342]	6835	[8138, 8540]	9390	[7701, 8193]
1726	[3005, 3006]	4281	[6343, 6344]	6836	[95, 4407]	9391	[1436, 4817]
1727	[2657, 3007]	4282	[6345, 6346]	6837	[1651, 7813]	9392	[1509, 9955]

1728	[2086, 3008]	4283	[6308, 5285]	6838	[8541, 7370]	9393	[1124, 7007]
1729	[2656, 3009]	4284	[499, 775]	6839	[8195, 4870]	9394	[1021, 9869]
1730	[3010, 3011]	4285	[1927, 5957]	6840	[265, 8542]	9395	[7070, 7764]
1731	[3012, 3013]	4286	[6347, 499]	6841	[3573, 8543]	9396	[8155, 9956]
1732	[3014, 3015]	4287	[6348, 6349]	6842	[8544, 4283]	9397	[7794, 3736]
1733	[3016, 2125]	4288	[826, 6350]	6843	[1380, 8545]	9398	[7989, 8548]
1734	[3017, 3018]	4289	[6065, 3084]	6844	[4502, 6966]	9399	[3262, 9957]
1735	[2442, 3019]	4290	[6351, 2452]	6845	[3744, 8546]	9400	[4055, 9806]
1736	[3020, 3021]	4291	[6352, 6353]	6846	[3974, 8547]	9401	[3636, 3589]
1737	[3022, 3023]	4292	[6354, 6355]	6847	[8415, 7244]	9402	[7753, 9958]
1738	[3024, 3025]	4293	[6356, 6291]	6848	[8048, 3753]	9403	[7192, 9959]
1739	[3026, 2627]	4294	[2513, 6357]	6849	[1552, 8548]	9404	[9751, 9960]
1740	[592, 3027]	4295	[6110, 6358]	6850	[8088, 8549]	9405	[7043, 4273]
1741	[3028, 3029]	4296	[6359, 6360]	6851	[4928, 8550]	9406	[9961, 8283]
1742	[3030, 768]	4297	[6016, 6361]	6852	[4740, 4246]	9407	[7713, 1623]
1743	[2179, 3031]	4298	[2423, 6362]	6853	[8551, 998]	9408	[4549, 4504]
1744	[3032, 2838]	4299	[6363, 6364]	6854	[7016, 4395]	9409	[4700, 9962]
1745	[2931, 3033]	4300	[6064, 2498]	6855	[1736, 3109]	9410	[1202, 9963]
1746	[3034, 3035]	4301	[2445, 6365]	6856	[1786, 3438]	9411	[3409, 9964]
1747	[3036, 3037]	4302	[6366, 6367]	6857	[4686, 371]	9412	[7615, 7765]
1748	[3038, 3039]	4303	[5749, 6368]	6858	[4935, 4241]	9413	[1691, 3959]
1749	[2683, 3040]	4304	[6369, 1856]	6859	[8552, 7075]	9414	[9965, 9838]
1750	[3041, 3042]	4305	[6370, 6314]	6860	[1137, 7296]	9415	[7946, 7563]
1751	[3043, 3044]	4306	[5422, 6371]	6861	[8553, 1274]	9416	[3443, 7738]
1752	[3045, 881]	4307	[5742, 6372]	6862	[8554, 3747]	9417	[9833, 7281]
1753	[3046, 3047]	4308	[1954, 6373]	6863	[3642, 8555]	9418	[4638, 9645]
1754	[2104, 3048]	4309	[6374, 6375]	6864	[7646, 8183]	9419	[7341, 445]
1755	[3049, 3050]	4310	[6376, 885]	6865	[8556, 8557]	9420	[3198, 9966]
1756	[3051, 2281]	4311	[6306, 6377]	6866	[4119, 4584]	9421	[8262, 8219]
1757	[2742, 3052]	4312	[6378, 6211]	6867	[8558, 8559]	9422	[7607, 7576]
1758	[3053, 3054]	4313	[2959, 6379]	6868	[8103, 4736]	9423	[7894, 3180]
1759	[2979, 3055]	4314	[6380, 6381]	6869	[8560, 4373]	9424	[9785, 4557]
1760	[2367, 2741]	4315	[5321, 5086]	6870	[8561, 1029]	9425	[3981, 7553]
1761	[3056, 2535]	4316	[5873, 2467]	6871	[8562, 8563]	9426	[4804, 9967]
1762	[2699, 3057]	4317	[6382, 5655]	6872	[8564, 3399]	9427	[3830, 9968]
1763	[3058, 3055]	4318	[753, 191]	6873	[8565, 4369]	9428	[7350, 3627]
1764	[3059, 3060]	4319	[1908, 6383]	6874	[3810, 8566]	9429	[9758, 4957]
1765	[3061, 3062]	4320	[2895, 6384]	6875	[8211, 8567]	9430	[9738, 7884]
1766	[3063, 2997]	4321	[128, 6385]	6876	[4311, 4582]	9431	[1626, 8333]
1767	[3064, 3065]	4322	[6037, 5821]	6877	[8043, 4802]	9432	[9969, 8140]
1768	[3066, 3067]	4323	[2053, 1839]	6878	[8565, 8568]	9433	[9643, 9970]
1769	[3068, 3069]	4324	[705, 6386]	6879	[1350, 1660]	9434	[1787, 3772]
1770	[3070, 3071]	4325	[5286, 6387]	6880	[8569, 1106]	9435	[9857, 9971]
1771	[3072, 668]	4326	[2215, 2801]	6881	[8570, 7802]	9436	[9882, 4575]

1772	[3073, 2758]	4327	[2897, 5271]	6882	[8237, 1456]	9437	[3505, 4848]
1773	[3074, 3058]	4328	[6388, 1915]	6883	[1157, 8571]	9438	[1603, 3313]
1774	[708, 3075]	4329	[6389, 6390]	6884	[7887, 1548]	9439	[8386, 9972]
1775	[2243, 3076]	4330	[6391, 2263]	6885	[8572, 4495]	9440	[467, 9973]
1776	[3077, 2420]	4331	[6392, 5767]	6886	[4788, 4095]	9441	[8424, 8485]
1777	[3078, 3079]	4332	[5575, 6393]	6887	[7328, 4402]	9442	[1568, 9974]
1778	[48, 3080]	4333	[6394, 6395]	6888	[1199, 3201]	9443	[4127, 999]
1779	[567, 2862]	4334	[2149, 6396]	6889	[7346, 8573]	9444	[361, 4324]
1780	[3081, 860]	4335	[1865, 6397]	6890	[7999, 8574]	9445	[9975, 1077]
1781	[3082, 3083]	4336	[6398, 6399]	6891	[3841, 8575]	9446	[3615, 3368]
1782	[2498, 3084]	4337	[5221, 6384]	6892	[7163, 7863]	9447	[9653, 4953]
1783	[3085, 3086]	4338	[5975, 6400]	6893	[1550, 8576]	9448	[3916, 8432]
1784	[3087, 3088]	4339	[5178, 6401]	6894	[1119, 1280]	9449	[1634, 7843]
1785	[3089, 3090]	4340	[6402, 6403]	6895	[8577, 1428]	9450	[9976, 4401]
1786	[3091, 3092]	4341	[2881, 6067]	6896	[8049, 3754]	9451	[7933, 7333]
1787	[3093, 3094]	4342	[6404, 6405]	6897	[3642, 8578]	9452	[7000, 3623]
1788	[3095, 3096]	4343	[624, 6406]	6898	[8579, 1355]	9453	[8364, 9665]
1789	[2151, 3097]	4344	[6407, 791]	6899	[4335, 8580]	9454	[7310, 4587]
1790	[3098, 3099]	4345	[6408, 6409]	6900	[8581, 7174]	9455	[8095, 7567]
1791	[3100, 3101]	4346	[5883, 5153]	6901	[8582, 8441]	9456	[8098, 1065]
1792	[3102, 3103]	4347	[5694, 6410]	6902	[1671, 8132]	9457	[7673, 9616]
1793	[3104, 3105]	4348	[5422, 5834]	6903	[1236, 8583]	9458	[8343, 9764]
1794	[3106, 3107]	4349	[682, 6411]	6904	[8584, 7163]	9459	[4661, 9977]
1795	[3108, 3109]	4350	[6412, 6413]	6905	[3319, 4405]	9460	[3637, 4760]
1796	[3110, 3111]	4351	[6231, 6414]	6906	[8585, 8586]	9461	[9632, 3213]
1797	[341, 3112]	4352	[6366, 5189]	6907	[3419, 4942]	9462	[1601, 9978]
1798	[3113, 1191]	4353	[953, 6415]	6908	[3254, 4967]	9463	[7755, 7185]
1799	[3114, 3115]	4354	[6416, 6169]	6909	[8587, 3753]	9464	[7239, 8457]
1800	[3116, 3117]	4355	[5907, 571]	6910	[3687, 1269]	9465	[3654, 7243]
1801	[3118, 3119]	4356	[5553, 6417]	6911	[8588, 8589]	9466	[3854, 9979]
1802	[3120, 3121]	4357	[6418, 608]	6912	[8590, 102]	9467	[274, 9980]
1803	[3122, 357]	4358	[6419, 772]	6913	[3922, 1169]	9468	[8003, 297]
1804	[3123, 3124]	4359	[6420, 6421]	6914	[4374, 8591]	9469	[4878, 9949]
1805	[3125, 1063]	4360	[6422, 6423]	6915	[1294, 7237]	9470	[7396, 7205]
1806	[3126, 3127]	4361	[6093, 6424]	6916	[8486, 4659]	9471	[4548, 1056]
1807	[3128, 3129]	4362	[6425, 840]	6917	[8478, 7028]	9472	[3613, 4020]
1808	[3130, 3131]	4363	[6426, 5008]	6918	[8130, 7978]	9473	[9746, 4923]
1809	[3132, 3133]	4364	[6219, 5428]	6919	[8588, 8592]	9474	[4028, 8454]
1810	[3134, 1116]	4365	[6427, 777]	6920	[1084, 3358]	9475	[7030, 4882]
1811	[3135, 3136]	4366	[1992, 5487]	6921	[3850, 4084]	9476	[1784, 4381]
1812	[3137, 1696]	4367	[2927, 757]	6922	[7585, 7735]	9477	[7130, 3854]
1813	[3138, 3139]	4368	[246, 2605]	6923	[4796, 3158]	9478	[9713, 7183]
1814	[1430, 3140]	4369	[6428, 798]	6924	[1191, 8593]	9479	[1487, 9981]
1815	[3141, 3142]	4370	[6429, 6430]	6925	[8594, 1426]	9480	[7961, 9982]

1816	[3143, 3144]	4371	[5052, 6431]	6926	[7062, 3634]	9481	[8488, 3220]
1817	[3145, 3146]	4372	[2331, 6432]	6927	[8303, 8595]	9482	[8079, 3519]
1818	[3147, 3148]	4373	[2922, 1851]	6928	[7204, 7397]	9483	[8380, 6993]
1819	[1667, 3149]	4374	[6433, 6166]	6929	[3939, 3258]	9484	[3655, 426]
1820	[3150, 3151]	4375	[6434, 846]	6930	[1160, 8596]	9485	[9867, 9983]
1821	[3152, 3153]	4376	[6435, 6436]	6931	[8597, 7872]	9486	[3905, 7282]
1822	[3154, 3155]	4377	[6437, 6438]	6932	[7184, 7756]	9487	[491, 4041]
1823	[1199, 3156]	4378	[6439, 6440]	6933	[7557, 4119]	9488	[7243, 3318]
1824	[1201, 977]	4379	[6103, 5249]	6934	[8598, 8599]	9489	[4221, 7072]
1825	[3157, 3158]	4380	[2939, 6441]	6935	[8600, 3962]	9490	[4809, 7728]
1826	[3159, 1618]	4381	[6442, 6443]	6936	[8306, 8601]	9491	[4239, 6981]
1827	[1169, 3160]	4382	[165, 6444]	6937	[8602, 8603]	9492	[8240, 3674]
1828	[1407, 3161]	4383	[3042, 6445]	6938	[4203, 1492]	9493	[1323, 407]
1829	[3162, 993]	4384	[6446, 6447]	6939	[8063, 8019]	9494	[9729, 4644]
1830	[98, 3163]	4385	[6448, 6449]	6940	[7375, 4958]	9495	[4499, 3314]
1831	[3164, 3165]	4386	[6236, 6450]	6941	[3868, 3630]	9496	[9870, 8201]
1832	[3166, 3167]	4387	[6451, 6452]	6942	[3862, 8272]	9497	[9736, 3271]
1833	[3168, 3169]	4388	[6216, 6453]	6943	[1391, 8604]	9498	[4295, 9984]
1834	[3170, 3171]	4389	[6454, 6455]	6944	[8245, 8605]	9499	[3648, 1777]
1835	[3172, 3173]	4390	[2625, 2929]	6945	[30, 4178]	9500	[7516, 3696]
1836	[3174, 3175]	4391	[680, 634]	6946	[4631, 4775]	9501	[7750, 9985]
1837	[3176, 3177]	4392	[5178, 6456]	6947	[4389, 7227]	9502	[8208, 9986]
1838	[3178, 1526]	4393	[6367, 6457]	6948	[3420, 1363]	9503	[9975, 3486]
1839	[3179, 3180]	4394	[6458, 5185]	6949	[8606, 8607]	9504	[3868, 7784]
1840	[3181, 3182]	4395	[2658, 5599]	6950	[8608, 2776]	9505	[1632, 1107]
1841	[3183, 3184]	4396	[6459, 6460]	6951	[5478, 2186]	9506	[8075, 9987]
1842	[3185, 3186]	4397	[6461, 6462]	6952	[8609, 8610]	9507	[7659, 8065]
1843	[3187, 3188]	4398	[6463, 6221]	6953	[8611, 8612]	9508	[28, 3745]
1844	[3189, 3190]	4399	[2249, 6464]	6954	[6900, 5613]	9509	[1121, 4136]
1845	[3191, 1678]	4400	[45, 565]	6955	[2350, 5614]	9510	[7196, 9944]
1846	[3170, 3192]	4401	[6304, 6465]	6956	[6188, 8613]	9511	[4795, 3157]
1847	[1678, 3193]	4402	[3089, 5883]	6957	[6539, 5414]	9512	[1729, 3910]
1848	[3194, 3195]	4403	[2268, 2255]	6958	[2855, 8614]	9513	[9677, 3899]
1849	[3196, 3197]	4404	[6466, 226]	6959	[6146, 2594]	9514	[9988, 4157]
1850	[3198, 3199]	4405	[5600, 5811]	6960	[8615, 2726]	9515	[1122, 3567]
1851	[3200, 3201]	4406	[6467, 6468]	6961	[6102, 5248]	9516	[4206, 9989]
1852	[3202, 3203]	4407	[189, 6469]	6962	[2027, 8616]	9517	[9990, 7095]
1853	[3204, 3205]	4408	[6107, 2483]	6963	[1970, 958]	9518	[9690, 3766]
1854	[3206, 1138]	4409	[5953, 231]	6964	[575, 8617]	9519	[7911, 437]
1855	[3207, 3208]	4410	[6470, 6471]	6965	[8618, 8619]	9520	[1069, 395]
1856	[3209, 3210]	4411	[6472, 6473]	6966	[8620, 8621]	9521	[3152, 9628]
1857	[3211, 3212]	4412	[6474, 6242]	6967	[5630, 2798]	9522	[8551, 9991]
1858	[3213, 3214]	4413	[3053, 6475]	6968	[8622, 5281]	9523	[1510, 9992]
1859	[3215, 3216]	4414	[6476, 6477]	6969	[5113, 8623]	9524	[7294, 8495]

1860	[3217, 3218]	4415	[6478, 6479]	6970	[8624, 8625]	9525	[7315, 7778]
1861	[3219, 3220]	4416	[6467, 6480]	6971	[6103, 6670]	9526	[7141, 1080]
1862	[1257, 3221]	4417	[6481, 1952]	6972	[1811, 2405]	9527	[102, 4497]
1863	[3222, 3223]	4418	[2030, 2428]	6973	[6006, 6723]	9528	[7384, 3151]
1864	[3224, 3225]	4419	[6482, 6483]	6974	[8626, 8627]	9529	[1073, 4136]
1865	[3226, 3227]	4420	[6484, 6354]	6975	[3048, 837]	9530	[7773, 9993]
1866	[3228, 3229]	4421	[4980, 5327]	6976	[8628, 2511]	9531	[8175, 3742]
1867	[1520, 1434]	4422	[210, 6423]	6977	[2080, 8629]	9532	[7298, 3671]
1868	[3230, 3231]	4423	[6485, 2308]	6978	[6658, 5798]	9533	[3200, 3156]
1869	[3232, 1458]	4424	[6486, 6487]	6979	[8630, 2062]	9534	[3182, 3709]
1870	[1441, 3233]	4425	[2447, 6072]	6980	[1923, 6252]	9535	[3167, 4572]
1871	[3234, 3235]	4426	[948, 2361]	6981	[6084, 8631]	9536	[4442, 9778]
1872	[3236, 3237]	4427	[6488, 6489]	6982	[2207, 1980]	9537	[7728, 1694]
1873	[3238, 3239]	4428	[6490, 2309]	6983	[8632, 8633]	9538	[1649, 4234]
1874	[1267, 3240]	4429	[658, 2972]	6984	[8634, 6122]	9539	[9994, 8428]
1875	[1635, 3241]	4430	[6491, 6492]	6985	[8635, 6417]	9540	[8244, 3535]
1876	[3242, 3243]	4431	[6493, 6494]	6986	[5901, 6084]	9541	[3113, 4676]
1877	[3244, 3245]	4432	[6495, 5798]	6987	[49, 6230]	9542	[7494, 7717]
1878	[1343, 3246]	4433	[6496, 6497]	6988	[6732, 8636]	9543	[3895, 9903]
1879	[3247, 3248]	4434	[771, 6498]	6989	[8637, 2046]	9544	[3282, 9659]
1880	[3249, 3250]	4435	[1981, 541]	6990	[8638, 8639]	9545	[4005, 3678]
1881	[3251, 3252]	4436	[2273, 6499]	6991	[8640, 57]	9546	[325, 4590]
1882	[1616, 3253]	4437	[5261, 6500]	6992	[6478, 2197]	9547	[458, 9995]
1883	[1013, 3254]	4438	[150, 928]	6993	[5574, 8641]	9548	[3450, 1617]
1884	[3255, 3256]	4439	[5316, 5672]	6994	[8642, 8643]	9549	[9618, 6997]
1885	[3257, 3258]	4440	[5778, 2938]	6995	[710, 2326]	9550	[1494, 9996]
1886	[3259, 481]	4441	[6501, 2438]	6996	[8644, 5608]	9551	[7027, 4771]
1887	[3260, 3261]	4442	[6460, 5076]	6997	[2619, 3056]	9552	[4431, 9997]
1888	[3262, 3263]	4443	[6502, 6503]	6998	[192, 8645]	9553	[7296, 8268]
1889	[3264, 3265]	4444	[6504, 6505]	6999	[5274, 8646]	9554	[8004, 320]
1890	[1053, 3266]	4445	[6506, 6182]	7000	[5574, 3052]	9555	[9923, 3285]
1891	[3267, 3268]	4446	[6507, 3046]	7001	[5583, 695]	9556	[1001, 4819]
1892	[1764, 3269]	4447	[894, 6508]	7002	[8647, 8648]	9557	[4552, 7374]
1893	[3270, 3271]	4448	[2957, 550]	7003	[6109, 8649]	9558	[337, 9998]
1894	[3272, 3273]	4449	[2951, 933]	7004	[8650, 8651]	9559	[7099, 3365]
1895	[3274, 3275]	4450	[2179, 6509]	7005	[5637, 8649]	9560	[9803, 9999]
1896	[3276, 1228]	4451	[6510, 6511]	7006	[8652, 5330]	9561	[7575, 378]
1897	[3277, 3278]	4452	[6512, 2504]	7007	[8653, 6617]	9562	[3857, 29]
1898	[3279, 3280]	4453	[5252, 6513]	7008	[8654, 2897]	9563	[1514, 363]
1899	[3281, 3282]	4454	[6129, 6514]	7009	[175, 8655]	9564	[6967, 10000]
1900	[3283, 3284]	4455	[6515, 6516]	7010	[6555, 8656]	9565	[8570, 4320]
1901	[1737, 3285]	4456	[6517, 5762]	7011	[6457, 8657]	9566	[4006, 3679]
1902	[3286, 3287]	4457	[848, 2210]	7012	[8658, 889]	9567	[8221, 3205]
1903	[3288, 3289]	4458	[6518, 2686]	7013	[8659, 4982]	9568	[10001, 9886]

1904	[3290, 3291]	4459	[2474, 6519]	7014	[8660, 6844]	9569	[4570, 7372]
1905	[1599, 3292]	4460	[5381, 5544]	7015	[2161, 8661]	9570	[3277, 10002]
1906	[1573, 3293]	4461	[2280, 6520]	7016	[6486, 8662]	9571	[4171, 376]
1907	[3294, 3295]	4462	[6521, 2573]	7017	[168, 5733]	9572	[7680, 7178]
1908	[3296, 3297]	4463	[6522, 6523]	7018	[8663, 8664]	9573	[4598, 3645]
1909	[3298, 1215]	4464	[6524, 5891]	7019	[525, 8665]	9574	[7727, 9631]
1910	[3299, 3300]	4465	[6525, 599]	7020	[757, 6133]	9575	[4376, 7797]
1911	[311, 3301]	4466	[6526, 6527]	7021	[5016, 6020]	9576	[8590, 1744]
1912	[1009, 3302]	4467	[2304, 6528]	7022	[1964, 5044]	9577	[3899, 1436]
1913	[3303, 3304]	4468	[6529, 6530]	7023	[1913, 5781]	9578	[7979, 10003]
1914	[990, 3305]	4469	[247, 6531]	7024	[2553, 2959]	9579	[398, 8183]
1915	[3306, 3307]	4470	[6532, 6533]	7025	[897, 5955]	9580	[4236, 1408]
1916	[3308, 3309]	4471	[6534, 6535]	7026	[6886, 5053]	9581	[1472, 4173]
1917	[3310, 3311]	4472	[6536, 6537]	7027	[6837, 5722]	9582	[4906, 10004]
1918	[3312, 3313]	4473	[2561, 6538]	7028	[5902, 6766]	9583	[3174, 8244]
1919	[3314, 3315]	4474	[6539, 528]	7029	[2588, 8666]	9584	[4920, 3441]
1920	[1404, 3316]	4475	[6301, 6540]	7030	[5237, 3049]	9585	[9988, 1246]
1921	[3317, 3318]	4476	[6541, 6542]	7031	[8667, 8668]	9586	[9656, 972]
1922	[3319, 3320]	4477	[6543, 6381]	7032	[2435, 5943]	9587	[7113, 10005]
1923	[3321, 3322]	4478	[6544, 6099]	7033	[8669, 8670]	9588	[7887, 9892]
1924	[352, 3323]	4479	[2730, 5502]	7034	[8671, 8672]	9589	[9940, 8266]
1925	[994, 3324]	4480	[6451, 6545]	7035	[6736, 8673]	9590	[9832, 10006]
1926	[3325, 3326]	4481	[6546, 6547]	7036	[8674, 8675]	9591	[7683, 411]
1927	[3327, 3328]	4482	[6548, 6549]	7037	[8676, 8677]	9592	[6971, 7369]
1928	[3329, 3330]	4483	[6550, 6551]	7038	[2431, 5918]	9593	[4208, 441]
1929	[3331, 3332]	4484	[6352, 6552]	7039	[8678, 8679]	9594	[320, 1200]
1930	[3333, 3334]	4485	[6553, 6554]	7040	[2521, 6759]	9595	[3109, 1239]
1931	[3335, 3336]	4486	[6555, 6556]	7041	[8680, 8681]	9596	[8124, 7650]
1932	[3337, 405]	4487	[6557, 6558]	7042	[6351, 5267]	9597	[8042, 10007]
1933	[3290, 3338]	4488	[2007, 5666]	7043	[8682, 8683]	9598	[4327, 1286]
1934	[312, 1468]	4489	[2547, 5551]	7044	[8684, 3010]	9599	[992, 4323]
1935	[3339, 3340]	4490	[6559, 6560]	7045	[5714, 2180]	9600	[4197, 3279]
1936	[3341, 3342]	4491	[6561, 524]	7046	[6696, 6281]	9601	[3688, 10008]
1937	[3343, 3344]	4492	[6562, 6563]	7047	[2611, 6606]	9602	[1279, 1120]
1938	[3345, 3346]	4493	[6564, 725]	7048	[6638, 8685]	9603	[4672, 3610]
1939	[3347, 3348]	4494	[6565, 136]	7049	[1947, 8686]	9604	[3337, 4163]
1940	[3349, 3350]	4495	[6525, 6566]	7050	[6698, 223]	9605	[8444, 9938]
1941	[3351, 3352]	4496	[5242, 901]	7051	[5704, 8687]	9606	[4340, 9972]
1942	[3353, 3354]	4497	[5216, 6567]	7052	[6261, 6607]	9607	[3635, 3110]
1943	[3355, 3356]	4498	[2838, 6568]	7053	[5395, 8688]	9608	[3822, 10009]
1944	[3357, 3358]	4499	[2507, 6569]	7054	[6610, 8689]	9609	[4155, 10010]
1945	[1772, 3359]	4500	[6570, 6571]	7055	[1797, 2671]	9610	[7564, 4586]
1946	[3360, 3361]	4501	[6572, 6573]	7056	[8690, 6125]	9611	[10011, 8356]
1947	[3362, 3363]	4502	[6574, 6575]	7057	[8691, 522]	9612	[4515, 9912]

1948	[3364, 3365]	4503	[6576, 1803]	7058	[8692, 6455]	9613	[8458, 3887]
1949	[3366, 3367]	4504	[6380, 6577]	7059	[5391, 8693]	9614	[1776, 3649]
1950	[100, 3368]	4505	[5496, 6578]	7060	[5368, 8694]	9615	[31, 6146]
1951	[3369, 3370]	4506	[5906, 6579]	7061	[3029, 1856]	9616	[8764, 5163]
1952	[3371, 3372]	4507	[6580, 6581]	7062	[8667, 8695]	9617	[2947, 5778]
1953	[3373, 3374]	4508	[1952, 2101]	7063	[6650, 8696]	9618	[5202, 10012]
1954	[3375, 3376]	4509	[1899, 6582]	7064	[2478, 8697]	9619	[9510, 887]
1955	[3377, 3378]	4510	[2248, 6583]	7065	[5917, 5297]	9620	[6716, 2831]
1956	[3379, 3380]	4511	[6584, 6585]	7066	[5852, 2279]	9621	[2982, 8646]
1957	[3381, 3382]	4512	[5420, 6198]	7067	[5146, 5156]	9622	[10013, 2400]
1958	[3383, 3384]	4513	[5228, 6586]	7068	[140, 5540]	9623	[9572, 6545]
1959	[3385, 3386]	4514	[6587, 2155]	7069	[6141, 2539]	9624	[9044, 4974]
1960	[3387, 3388]	4515	[744, 6588]	7070	[825, 6837]	9625	[6150, 10014]
1961	[3389, 3386]	4516	[6589, 6590]	7071	[6388, 8698]	9626	[8722, 6754]
1962	[3390, 1056]	4517	[2385, 6591]	7072	[742, 2759]	9627	[10015, 6113]
1963	[3391, 3392]	4518	[6592, 6583]	7073	[2893, 8699]	9628	[9016, 9127]
1964	[3393, 3346]	4519	[6211, 6593]	7074	[8700, 6022]	9629	[161, 5502]
1965	[319, 3394]	4520	[6594, 3080]	7075	[8701, 8702]	9630	[914, 9226]
1966	[3395, 3157]	4521	[3087, 6595]	7076	[8703, 8704]	9631	[9404, 6864]
1967	[3396, 1500]	4522	[6476, 6596]	7077	[8705, 5629]	9632	[2517, 6542]
1968	[3397, 3398]	4523	[6597, 2086]	7078	[8706, 5774]	9633	[6177, 9446]
1969	[3399, 305]	4524	[1861, 6598]	7079	[6597, 5594]	9634	[8942, 6460]
1970	[3400, 3401]	4525	[764, 6599]	7080	[5455, 8696]	9635	[231, 2685]
1971	[3402, 3403]	4526	[714, 6316]	7081	[2526, 5148]	9636	[9550, 5711]
1972	[3404, 3405]	4527	[2478, 6600]	7082	[5882, 3090]	9637	[6934, 10016]
1973	[1021, 3406]	4528	[3083, 6601]	7083	[8707, 8708]	9638	[2302, 6712]
1974	[3407, 3408]	4529	[779, 6602]	7084	[8709, 6360]	9639	[8943, 10017]
1975	[3409, 3410]	4530	[5204, 2784]	7085	[2295, 8710]	9640	[10018, 10019]
1976	[3411, 3355]	4531	[2424, 6603]	7086	[629, 8711]	9641	[5371, 5459]
1977	[3412, 3413]	4532	[2462, 2434]	7087	[8712, 8713]	9642	[10020, 10021]
1978	[3414, 3415]	4533	[5308, 6327]	7088	[8714, 2345]	9643	[5060, 10022]
1979	[3416, 3417]	4534	[6604, 6605]	7089	[8715, 6231]	9644	[10023, 6821]
1980	[3418, 1412]	4535	[1907, 6606]	7090	[836, 8716]	9645	[9312, 10024]
1981	[305, 3419]	4536	[6607, 6608]	7091	[5622, 1827]	9646	[10018, 2887]
1982	[3420, 3421]	4537	[6174, 6127]	7092	[8717, 8718]	9647	[6630, 5649]
1983	[3422, 3423]	4538	[145, 6609]	7093	[8719, 5438]	9648	[8931, 8829]
1984	[1440, 3424]	4539	[2246, 2993]	7094	[8720, 5255]	9649	[5495, 10025]
1985	[3425, 3426]	4540	[5326, 6610]	7095	[5267, 5826]	9650	[8614, 2378]
1986	[3427, 3428]	4541	[6611, 6612]	7096	[8721, 6932]	9651	[9017, 6351]
1987	[3429, 3430]	4542	[6613, 2291]	7097	[8722, 8723]	9652	[9170, 10021]
1988	[3431, 1369]	4543	[5160, 6614]	7098	[8724, 5381]	9653	[6331, 9034]
1989	[3432, 3433]	4544	[6493, 6615]	7099	[533, 8725]	9654	[5802, 747]
1990	[3434, 3435]	4545	[6616, 6617]	7100	[2309, 1914]	9655	[6722, 6703]
1991	[3436, 3437]	4546	[2744, 6618]	7101	[5341, 8726]	9656	[6181, 2773]

1992	[3438, 3439]	4547	[6283, 6619]	7102	[8727, 6869]	9657	[2827, 9227]
1993	[3440, 3441]	4548	[6620, 6621]	7103	[6818, 8728]	9658	[9025, 8]
1994	[3442, 3443]	4549	[3005, 6622]	7104	[6675, 5737]	9659	[610, 9342]
1995	[3444, 1751]	4550	[5214, 6623]	7105	[14, 8729]	9660	[10026, 2345]
1996	[3445, 3446]	4551	[6209, 2118]	7106	[8730, 8731]	9661	[221, 2426]
1997	[3447, 3448]	4552	[6624, 6625]	7107	[6172, 727]	9662	[9403, 733]
1998	[3449, 3450]	4553	[5381, 6263]	7108	[8732, 8733]	9663	[6726, 10027]
1999	[1774, 3451]	4554	[6626, 6627]	7109	[6564, 655]	9664	[1991, 5486]
2000	[3452, 3453]	4555	[5377, 6628]	7110	[8734, 8735]	9665	[6698, 8800]
2001	[3454, 3455]	4556	[6324, 6629]	7111	[6290, 8736]	9666	[9575, 5721]
2002	[3456, 3457]	4557	[647, 2048]	7112	[8737, 6547]	9667	[9546, 6277]
2003	[3458, 987]	4558	[6630, 143]	7113	[8738, 8739]	9668	[8972, 2375]
2004	[3459, 3460]	4559	[6631, 6632]	7114	[8740, 2152]	9669	[2886, 10019]
2005	[3461, 3462]	4560	[6633, 820]	7115	[6037, 5825]	9670	[4988, 5343]
2006	[3463, 3464]	4561	[6634, 5948]	7116	[8741, 2102]	9671	[6918, 10028]
2007	[3465, 3466]	4562	[5889, 6635]	7117	[8742, 1901]	9672	[5109, 5110]
2008	[3467, 1563]	4563	[5633, 6636]	7118	[6428, 2830]	9673	[10029, 6826]
2009	[3468, 3469]	4564	[6637, 56]	7119	[2403, 2096]	9674	[9544, 2751]
2010	[3470, 3471]	4565	[6638, 6639]	7120	[8743, 6152]	9675	[10030, 10031]
2011	[3472, 1188]	4566	[6640, 6641]	7121	[8744, 8745]	9676	[10032, 8941]
2012	[3473, 3474]	4567	[2671, 5837]	7122	[8746, 5198]	9677	[2935, 10033]
2013	[3475, 3476]	4568	[510, 6642]	7123	[2655, 8747]	9678	[9232, 8949]
2014	[1598, 3477]	4569	[5815, 5193]	7124	[8748, 6925]	9679	[5507, 9059]
2015	[3478, 3479]	4570	[6106, 6643]	7125	[2143, 2024]	9680	[10034, 9432]
2016	[3480, 3481]	4571	[928, 1910]	7126	[5646, 6895]	9681	[10035, 8961]
2017	[3482, 3483]	4572	[5437, 6085]	7127	[6195, 5610]	9682	[5154, 10036]
2018	[3484, 3485]	4573	[2827, 6644]	7128	[6526, 5142]	9683	[10037, 5410]
2019	[1076, 3486]	4574	[6645, 5468]	7129	[2552, 5453]	9684	[5396, 6517]
2020	[3487, 3488]	4575	[6646, 6647]	7130	[2184, 8749]	9685	[2455, 2019]
2021	[3489, 3490]	4576	[6648, 583]	7131	[5428, 654]	9686	[2428, 6056]
2022	[3491, 3125]	4577	[2266, 6649]	7132	[5012, 8750]	9687	[2612, 10038]
2023	[3492, 1708]	4578	[5258, 219]	7133	[8751, 8752]	9688	[10039, 6884]
2024	[3493, 3494]	4579	[2376, 5340]	7134	[8753, 5360]	9689	[893, 10040]
2025	[3495, 3496]	4580	[6650, 5456]	7135	[703, 8754]	9690	[6244, 10041]
2026	[3497, 3498]	4581	[861, 6233]	7136	[8755, 8756]	9691	[10023, 10042]
2027	[1668, 3499]	4582	[2596, 6144]	7137	[5173, 8757]	9692	[5256, 128]
2028	[3500, 3501]	4583	[1813, 6651]	7138	[6463, 6193]	9693	[10043, 2677]
2029	[3502, 3503]	4584	[5992, 5780]	7139	[6589, 8758]	9694	[2735, 2182]
2030	[3504, 3505]	4585	[2138, 6652]	7140	[8759, 1853]	9695	[9273, 6571]
2031	[3506, 3507]	4586	[5421, 6199]	7141	[8760, 6155]	9696	[6479, 2198]
2032	[3508, 1600]	4587	[6653, 2440]	7142	[8761, 6761]	9697	[2401, 10044]
2033	[3509, 464]	4588	[2646, 5433]	7143	[8692, 6773]	9698	[9357, 5824]
2034	[3510, 1179]	4589	[5669, 2075]	7144	[8762, 6672]	9699	[5134, 10045]
2035	[3511, 3512]	4590	[2444, 6654]	7145	[6762, 8763]	9700	[9593, 2321]

2036	[3513, 3514]	4591	[3102, 6655]	7146	[8764, 8765]	9701	[2506, 9431]
2037	[3515, 3516]	4592	[6656, 6657]	7147	[5830, 8766]	9702	[9142, 9099]
2038	[3517, 85]	4593	[6658, 6659]	7148	[8767, 2601]	9703	[9169, 10020]
2039	[3518, 3519]	4594	[5188, 6367]	7149	[5865, 8768]	9704	[2803, 10046]
2040	[3520, 3521]	4595	[6626, 6660]	7150	[8769, 8770]	9705	[10047, 6293]
2041	[3522, 3523]	4596	[6661, 6662]	7151	[2404, 1812]	9706	[10048, 8793]
2042	[1247, 3524]	4597	[6474, 6663]	7152	[5088, 3047]	9707	[2523, 10049]
2043	[3525, 3378]	4598	[794, 5660]	7153	[607, 1795]	9708	[8632, 3062]
2044	[3526, 3527]	4599	[2682, 5265]	7154	[8680, 8771]	9709	[9440, 10050]
2045	[3528, 3529]	4600	[6646, 5310]	7155	[8772, 6514]	9710	[5791, 6689]
2046	[3530, 1705]	4601	[6664, 6665]	7156	[5223, 8773]	9711	[8701, 5734]
2047	[3531, 3532]	4602	[5931, 535]	7157	[8774, 6082]	9712	[10051, 6108]
2048	[3533, 3534]	4603	[2190, 6666]	7158	[543, 8775]	9713	[5408, 3003]
2049	[3175, 3535]	4604	[2878, 6667]	7159	[8776, 5702]	9714	[5035, 6043]
2050	[3536, 3537]	4605	[6230, 6668]	7160	[6259, 6304]	9715	[545, 2348]
2051	[3538, 3539]	4606	[6097, 2109]	7161	[618, 8777]	9716	[9184, 1861]
2052	[3540, 3257]	4607	[6669, 6450]	7162	[2867, 8778]	9717	[6930, 9284]
2053	[3541, 3542]	4608	[5248, 6670]	7163	[5769, 6510]	9718	[8924, 10052]
2054	[3543, 366]	4609	[6671, 6672]	7164	[8630, 5550]	9719	[6892, 6480]
2055	[3544, 3545]	4610	[5036, 6673]	7165	[5379, 8779]	9720	[9602, 10053]
2056	[3546, 3547]	4611	[6674, 1819]	7166	[5134, 8780]	9721	[9242, 8926]
2057	[3548, 3549]	4612	[6675, 2574]	7167	[5315, 8781]	9722	[8640, 927]
2058	[1090, 3550]	4613	[622, 6676]	7168	[6872, 1968]	9723	[9080, 1948]
2059	[3551, 3552]	4614	[6677, 6678]	7169	[5233, 8782]	9724	[10054, 10055]
2060	[3553, 1380]	4615	[5800, 2971]	7170	[8783, 8784]	9725	[2904, 622]
2061	[967, 3554]	4616	[5546, 6679]	7171	[6039, 5375]	9726	[5287, 705]
2062	[3555, 3556]	4617	[5626, 5900]	7172	[6662, 8785]	9727	[62, 3051]
2063	[76, 3557]	4618	[2500, 6680]	7173	[8786, 5623]	9728	[6030, 6829]
2064	[3558, 3559]	4619	[725, 2650]	7174	[4981, 2778]	9729	[9263, 10056]
2065	[3560, 3561]	4620	[6681, 6682]	7175	[2618, 200]	9730	[9470, 2207]
2066	[1716, 1281]	4621	[6683, 6613]	7176	[8787, 1917]	9731	[6512, 6488]
2067	[3525, 3562]	4622	[5718, 2917]	7177	[8788, 5543]	9732	[1857, 10057]
2068	[3563, 1143]	4623	[2837, 6208]	7178	[6559, 5023]	9733	[2624, 2055]
2069	[3564, 3565]	4624	[2055, 6684]	7179	[8789, 2113]	9734	[10058, 2659]
2070	[3566, 3567]	4625	[6685, 6686]	7180	[2586, 8790]	9735	[2502, 6800]
2071	[3568, 3569]	4626	[6687, 5168]	7181	[6422, 211]	9736	[2985, 5239]
2072	[300, 1490]	4627	[5644, 6688]	7182	[555, 5500]	9737	[5283, 563]
2073	[1543, 3570]	4628	[862, 6689]	7183	[8791, 6108]	9738	[6624, 10059]
2074	[3571, 1080]	4629	[2157, 2847]	7184	[8792, 8793]	9739	[5458, 6323]
2075	[3572, 463]	4630	[6690, 738]	7185	[2793, 6197]	9740	[5263, 10060]
2076	[358, 3573]	4631	[6035, 5917]	7186	[8794, 8795]	9741	[10061, 1810]
2077	[3574, 3255]	4632	[5471, 2777]	7187	[2237, 6874]	9742	[5486, 2385]
2078	[3575, 3576]	4633	[6543, 6577]	7188	[2557, 8796]	9743	[5757, 10062]
2079	[482, 3577]	4634	[2964, 1824]	7189	[5280, 5004]	9744	[1968, 10063]

2080	[3578, 3579]	4635	[6691, 6692]	7190	[2787, 8797]	9745	[10064, 152]
2081	[3580, 3581]	4636	[6693, 2337]	7191	[5357, 5984]	9746	[2856, 2378]
2082	[3582, 3583]	4637	[6694, 6695]	7192	[2839, 8798]	9747	[6459, 5075]
2083	[3584, 3418]	4638	[2484, 6696]	7193	[8799, 6768]	9748	[6404, 10065]
2084	[3585, 3586]	4639	[3077, 177]	7194	[2052, 2312]	9749	[2433, 10066]
2085	[3587, 3588]	4640	[5840, 3078]	7195	[6427, 4992]	9750	[2665, 5424]
2086	[3110, 3589]	4641	[6200, 6697]	7196	[222, 8800]	9751	[5674, 10067]
2087	[3590, 3591]	4642	[1826, 2380]	7197	[1827, 858]	9752	[163, 10068]
2088	[1643, 3592]	4643	[5923, 6698]	7198	[8801, 1985]	9753	[5832, 10069]
2089	[3593, 3594]	4644	[5016, 6699]	7199	[158, 8802]	9754	[129, 10070]
2090	[3595, 3596]	4645	[6326, 6700]	7200	[8803, 2199]	9755	[568, 2863]
2091	[3597, 3598]	4646	[6701, 6702]	7201	[6472, 8804]	9756	[2845, 2138]
2092	[1507, 1036]	4647	[5094, 6703]	7202	[6841, 2479]	9757	[10071, 8670]
2093	[3599, 3600]	4648	[5614, 2146]	7203	[5530, 1926]	9758	[6287, 10072]
2094	[1203, 3601]	4649	[6704, 6705]	7204	[5966, 6156]	9759	[1796, 5876]
2095	[1092, 3602]	4650	[6706, 6707]	7205	[231, 6518]	9760	[2542, 10073]
2096	[3603, 3604]	4651	[751, 5640]	7206	[2314, 5978]	9761	[6161, 9325]
2097	[3605, 3606]	4652	[6708, 2196]	7207	[2835, 8805]	9762	[9076, 10074]
2098	[3607, 3608]	4653	[6709, 884]	7208	[2089, 6511]	9763	[10075, 6656]
2099	[3609, 3610]	4654	[2783, 5205]	7209	[2579, 8806]	9764	[9545, 6822]
2100	[1756, 3611]	4655	[6710, 3009]	7210	[6208, 6568]	9765	[3010, 10076]
2101	[3612, 3613]	4656	[5373, 6711]	7211	[8807, 8808]	9766	[2953, 10077]
2102	[3614, 3615]	4657	[537, 6712]	7212	[8809, 8810]	9767	[5366, 865]
2103	[3616, 3617]	4658	[6713, 1992]	7213	[5856, 1903]	9768	[9137, 10078]
2104	[3618, 3619]	4659	[2213, 4990]	7214	[561, 2654]	9769	[5895, 9421]
2105	[1175, 3620]	4660	[6714, 5610]	7215	[8811, 8812]	9770	[10079, 10080]
2106	[3621, 3622]	4661	[6389, 6715]	7216	[2981, 5274]	9771	[6671, 10081]
2107	[3623, 3624]	4662	[1931, 2065]	7217	[6054, 2277]	9772	[9168, 8636]
2108	[3625, 3626]	4663	[6716, 6717]	7218	[3056, 5227]	9773	[6124, 9031]
2109	[3627, 3628]	4664	[6718, 5499]	7219	[8813, 8814]	9774	[9324, 1881]
2110	[3629, 3630]	4665	[6719, 3083]	7220	[8815, 8816]	9775	[2742, 8641]
2111	[3631, 3632]	4666	[3092, 2901]	7221	[6501, 5516]	9776	[6169, 10082]
2112	[3633, 3634]	4667	[6720, 6721]	7222	[641, 6320]	9777	[6607, 10083]
2113	[3635, 3636]	4668	[6722, 5095]	7223	[2769, 8817]	9778	[6718, 2640]
2114	[3637, 3638]	4669	[2844, 6723]	7224	[6490, 829]	9779	[6640, 10084]
2115	[3639, 3640]	4670	[2701, 6724]	7225	[5755, 8818]	9780	[2501, 529]
2116	[3641, 3642]	4671	[6725, 5677]	7226	[6279, 2942]	9781	[2974, 10085]
2117	[1537, 3643]	4672	[6726, 6727]	7227	[6289, 8819]	9782	[10086, 9314]
2118	[1422, 3644]	4673	[2797, 5631]	7228	[6893, 8820]	9783	[504, 5329]
2119	[3645, 3646]	4674	[6728, 6729]	7229	[6413, 2485]	9784	[1843, 5240]
2120	[1515, 3647]	4675	[6730, 6731]	7230	[8732, 8821]	9785	[6264, 6630]
2121	[3648, 3649]	4676	[6732, 5449]	7231	[2036, 1930]	9786	[564, 8997]
2122	[1087, 461]	4677	[6733, 6734]	7232	[2962, 5045]	9787	[8615, 6048]
2123	[3650, 3555]	4678	[6735, 5118]	7233	[6875, 6796]	9788	[10087, 10088]

2124	[3651, 3652]	4679	[6312, 6736]	7234	[6656, 8822]	9789	[9199, 8711]
2125	[3343, 3653]	4680	[6737, 5576]	7235	[8653, 8823]	9790	[6019, 10089]
2126	[3654, 3317]	4681	[6738, 6739]	7236	[8824, 5634]	9791	[10090, 215]
2127	[3655, 3656]	4682	[940, 2134]	7237	[8825, 8826]	9792	[9186, 8845]
2128	[3657, 3658]	4683	[6060, 532]	7238	[2127, 1921]	9793	[625, 5968]
2129	[3659, 3660]	4684	[6740, 6741]	7239	[571, 8827]	9794	[6322, 2141]
2130	[3661, 3662]	4685	[2039, 2301]	7240	[838, 8828]	9795	[10091, 2731]
2131	[3663, 3664]	4686	[6241, 6663]	7241	[8734, 8829]	9796	[2756, 10092]
2132	[1742, 3216]	4687	[6677, 6742]	7242	[8830, 624]	9797	[2129, 5300]
2133	[3665, 3666]	4688	[595, 6743]	7243	[1983, 6354]	9798	[9014, 10093]
2134	[3667, 295]	4689	[6744, 5899]	7244	[843, 166]	9799	[10094, 9239]
2135	[3668, 19]	4690	[5795, 6745]	7245	[8831, 2690]	9800	[8893, 10095]
2136	[3572, 3669]	4691	[5699, 2334]	7246	[8832, 2885]	9801	[10096, 8728]
2137	[1773, 1762]	4692	[2110, 6746]	7247	[5845, 8833]	9802	[5084, 6667]
2138	[3670, 3671]	4693	[1798, 6747]	7248	[2008, 8795]	9803	[6093, 10097]
2139	[1517, 1753]	4694	[746, 5803]	7249	[8834, 5051]	9804	[10098, 5589]
2140	[3672, 3673]	4695	[6748, 6749]	7250	[5894, 2532]	9805	[5812, 6397]
2141	[3416, 3674]	4696	[5592, 137]	7251	[3038, 8828]	9806	[6429, 10099]
2142	[3675, 3676]	4697	[6750, 6751]	7252	[1933, 8835]	9807	[5904, 5268]
2143	[87, 3677]	4698	[2456, 6752]	7253	[6354, 8836]	9808	[9173, 533]
2144	[3678, 3679]	4699	[6753, 6754]	7254	[8837, 8838]	9809	[6143, 6073]
2145	[3680, 3681]	4700	[6755, 6756]	7255	[6419, 6498]	9810	[3048, 2336]
2146	[3682, 276]	4701	[6757, 6758]	7256	[2411, 564]	9811	[9431, 2111]
2147	[3683, 3684]	4702	[6034, 6759]	7257	[3066, 8839]	9812	[5260, 8864]
2148	[3300, 1252]	4703	[2888, 6760]	7258	[2968, 2071]	9813	[8773, 10100]
2149	[3685, 3686]	4704	[6761, 668]	7259	[5927, 8840]	9814	[9256, 10101]
2150	[3687, 3688]	4705	[6762, 6763]	7260	[3041, 14]	9815	[5169, 8853]
2151	[310, 3689]	4706	[2155, 1921]	7261	[1852, 8841]	9816	[5584, 9568]
2152	[3690, 3691]	4707	[2911, 6764]	7262	[2255, 8842]	9817	[9541, 770]
2153	[3449, 1616]	4708	[6765, 2416]	7263	[8843, 6806]	9818	[6441, 762]
2154	[483, 3692]	4709	[6084, 6766]	7264	[5413, 207]	9819	[5590, 795]
2155	[3379, 3693]	4710	[2101, 2891]	7265	[912, 8844]	9820	[186, 2470]
2156	[3694, 3695]	4711	[5070, 1976]	7266	[5509, 2899]	9821	[10102, 10103]
2157	[3696, 3697]	4712	[2831, 6767]	7267	[2715, 6909]	9822	[6856, 5448]
2158	[3698, 1609]	4713	[6160, 6768]	7268	[3036, 8845]	9823	[3062, 10104]
2159	[3692, 3699]	4714	[6769, 819]	7269	[5896, 5560]	9824	[10105, 5135]
2160	[3700, 1627]	4715	[175, 6770]	7270	[1972, 8846]	9825	[9057, 5953]
2161	[1586, 3701]	4716	[199, 2191]	7271	[4974, 2715]	9826	[6519, 5303]
2162	[3702, 3703]	4717	[212, 6463]	7272	[8847, 8679]	9827	[9150, 6505]
2163	[3704, 3705]	4718	[6491, 6771]	7273	[6601, 3099]	9828	[1929, 8822]
2164	[3190, 3673]	4719	[5480, 6772]	7274	[8676, 8848]	9829	[6515, 10106]
2165	[3597, 3706]	4720	[6369, 6175]	7275	[8849, 8850]	9830	[9021, 2220]
2166	[77, 1288]	4721	[6454, 6773]	7276	[6040, 2014]	9831	[6407, 9540]
2167	[3628, 978]	4722	[6774, 2103]	7277	[6256, 5509]	9832	[6437, 9089]

2168	[1145, 3707]	4723	[5185, 6775]	7278	[5601, 2915]	9833	[8745, 10107]
2169	[1344, 3708]	4724	[6776, 6777]	7279	[2712, 8851]	9834	[6345, 869]
2170	[1574, 3124]	4725	[2281, 6778]	7280	[6792, 8852]	9835	[9579, 2551]
2171	[3709, 3710]	4726	[6546, 6779]	7281	[6088, 8853]	9836	[2747, 2634]
2172	[3711, 3712]	4727	[6780, 6781]	7282	[6696, 2540]	9837	[10108, 5181]
2173	[3335, 3713]	4728	[598, 6566]	7283	[8854, 794]	9838	[637, 8817]
2174	[3714, 3715]	4729	[5325, 5797]	7284	[2439, 8855]	9839	[634, 8874]
2175	[3360, 3716]	4730	[6505, 6782]	7285	[6075, 6223]	9840	[8628, 10109]
2176	[3717, 3718]	4731	[6783, 6784]	7286	[8856, 8857]	9841	[6269, 8613]
2177	[289, 332]	4732	[5077, 5400]	7287	[8858, 8859]	9842	[1867, 10045]
2178	[3719, 3720]	4733	[6785, 6786]	7288	[5139, 2320]	9843	[2416, 10110]
2179	[3721, 3722]	4734	[207, 6373]	7289	[6576, 2128]	9844	[8724, 2790]
2180	[1357, 3723]	4735	[5043, 2957]	7290	[546, 6370]	9845	[9465, 8846]
2181	[3724, 3725]	4736	[5635, 6116]	7291	[8860, 8861]	9846	[6038, 5819]
2182	[3726, 3727]	4737	[5785, 6787]	7292	[8862, 8863]	9847	[9148, 10111]
2183	[119, 3728]	4738	[6479, 2562]	7293	[5179, 8864]	9848	[1929, 6657]
2184	[3729, 1015]	4739	[200, 3056]	7294	[2632, 8865]	9849	[2050, 5578]
2185	[3284, 3730]	4740	[6376, 2927]	7295	[8866, 5725]	9850	[2396, 9356]
2186	[3731, 3732]	4741	[2241, 2688]	7296	[8867, 8868]	9851	[5547, 8953]
2187	[1732, 3524]	4742	[6788, 6789]	7297	[5685, 8869]	9852	[9539, 6241]
2188	[3650, 3733]	4743	[5028, 6790]	7298	[5589, 794]	9853	[10112, 5108]
2189	[3734, 1596]	4744	[6114, 6791]	7299	[6328, 8625]	9854	[219, 3067]
2190	[3735, 3736]	4745	[6792, 6793]	7300	[3090, 6250]	9855	[6259, 5973]
2191	[3737, 3738]	4746	[2194, 6628]	7301	[8870, 6590]	9856	[8621, 10113]
2192	[1542, 3739]	4747	[6303, 3051]	7302	[6088, 5170]	9857	[9248, 10114]
2193	[3740, 3741]	4748	[6794, 6795]	7303	[8871, 523]	9858	[10030, 9598]
2194	[3164, 3742]	4749	[5937, 6796]	7304	[8872, 8873]	9859	[10115, 6395]
2195	[3743, 3744]	4750	[6797, 886]	7305	[681, 8874]	9860	[10116, 5347]
2196	[1271, 3745]	4751	[2392, 5552]	7306	[5880, 650]	9861	[10096, 6819]
2197	[3746, 3747]	4752	[6798, 5547]	7307	[2777, 2588]	9862	[8915, 6777]
2198	[3748, 1762]	4753	[6398, 6799]	7308	[2389, 4990]	9863	[5981, 5789]
2199	[3749, 3750]	4754	[529, 6800]	7309	[8837, 624]	9864	[5748, 2003]
2200	[3751, 1352]	4755	[6801, 6802]	7310	[8875, 8876]	9865	[9144, 10117]
2201	[1513, 362]	4756	[6803, 6804]	7311	[2705, 8877]	9866	[8731, 10118]
2202	[3752, 3393]	4757	[6805, 6143]	7312	[2515, 8878]	9867	[6574, 10119]
2203	[3753, 3754]	4758	[5189, 6457]	7313	[8879, 8880]	9868	[5118, 6099]
2204	[3755, 3261]	4759	[6502, 6806]	7314	[8719, 671]	9869	[2231, 10046]
2205	[3756, 3757]	4760	[2854, 6357]	7315	[2467, 6201]	9870	[5314, 10120]
2206	[3758, 3759]	4761	[6807, 6808]	7316	[2910, 2800]	9871	[10121, 2439]
2207	[3760, 3761]	4762	[6809, 6810]	7317	[748, 8881]	9872	[9409, 10122]
2208	[1706, 3762]	4763	[6811, 6812]	7318	[5931, 2610]	9873	[9018, 10123]
2209	[3763, 3764]	4764	[6095, 6813]	7319	[6611, 8882]	9874	[2291, 6447]
2210	[1598, 1261]	4765	[6814, 6815]	7320	[8883, 8884]	9875	[6009, 2510]
2211	[3765, 3766]	4766	[763, 2858]	7321	[8885, 8886]	9876	[6537, 10117]

2212	[3767, 3768]	4767	[1953, 6816]	7322	[5943, 8887]	9877	[5642, 8819]
2213	[3769, 3770]	4768	[5533, 6260]	7323	[6248, 8888]	9878	[9393, 6813]
2214	[3771, 993]	4769	[5536, 6817]	7324	[6370, 5684]	9879	[10124, 2897]
2215	[1497, 3470]	4770	[6818, 6819]	7325	[8889, 8890]	9880	[6359, 10125]
2216	[3772, 3773]	4771	[199, 6666]	7326	[5370, 8891]	9881	[10126, 2877]
2217	[3774, 3775]	4772	[1795, 5848]	7327	[54, 167]	9882	[9339, 10127]
2218	[3776, 3777]	4773	[5841, 5730]	7328	[2918, 8788]	9883	[6343, 6029]
2219	[3778, 3779]	4774	[6820, 6821]	7329	[6442, 2719]	9884	[2977, 2816]
2220	[3780, 3781]	4775	[6011, 6822]	7330	[5749, 8892]	9885	[10128, 2474]
2221	[3782, 3783]	4776	[6823, 3096]	7331	[1936, 2018]	9886	[946, 8956]
2222	[3784, 3442]	4777	[2420, 2537]	7332	[8872, 6491]	9887	[6945, 10129]
2223	[3785, 3786]	4778	[3079, 6824]	7333	[2279, 2616]	9888	[5688, 5294]
2224	[3787, 3788]	4779	[6190, 6825]	7334	[8893, 8811]	9889	[6219, 653]
2225	[3789, 3790]	4780	[5479, 5465]	7335	[2877, 5084]	9890	[6382, 9052]
2226	[3791, 3792]	4781	[6826, 6827]	7336	[8894, 8895]	9891	[5264, 2683]
2227	[3793, 3311]	4782	[6828, 2586]	7337	[8847, 8896]	9892	[532, 8899]
2228	[3794, 3795]	4783	[6829, 823]	7338	[5570, 8897]	9893	[9402, 9426]
2229	[3796, 3797]	4784	[6482, 3059]	7339	[8898, 6017]	9894	[10105, 5292]
2230	[3652, 3798]	4785	[6830, 5993]	7340	[5366, 8899]	9895	[2648, 8957]
2231	[3799, 3800]	4786	[6831, 6832]	7341	[6753, 8723]	9896	[10130, 5126]
2232	[3801, 3802]	4787	[2717, 6833]	7342	[836, 3019]	9897	[2575, 10131]
2233	[3803, 3804]	4788	[6435, 6834]	7343	[8900, 8901]	9898	[802, 674]
2234	[3805, 3806]	4789	[6835, 2874]	7344	[2621, 5852]	9899	[8944, 2305]
2235	[3807, 3808]	4790	[48, 6836]	7345	[5753, 5614]	9900	[9276, 5195]
2236	[3809, 3810]	4791	[2768, 5926]	7346	[2548, 8902]	9901	[10132, 10133]
2237	[3811, 3751]	4792	[6521, 6675]	7347	[6364, 8903]	9902	[768, 2454]
2238	[3812, 3813]	4793	[6837, 6350]	7348	[6906, 8904]	9903	[8774, 2675]
2239	[3814, 3815]	4794	[1868, 2849]	7349	[5747, 3035]	9904	[9266, 2288]
2240	[3816, 3817]	4795	[6838, 6839]	7350	[8905, 8906]	9905	[5853, 2616]
2241	[3818, 3819]	4796	[6840, 2988]	7351	[5799, 2610]	9906	[8745, 2855]
2242	[3820, 3821]	4797	[6841, 6842]	7352	[845, 6707]	9907	[2312, 6159]
2243	[3194, 3822]	4798	[6843, 6844]	7353	[8907, 6640]	9908	[8862, 10134]
2244	[3823, 3824]	4799	[6164, 6845]	7354	[8908, 5403]	9909	[6363, 8609]
2245	[1592, 3825]	4800	[556, 5501]	7355	[6330, 709]	9910	[10015, 10135]
2246	[3826, 3827]	4801	[6846, 6847]	7356	[6643, 6896]	9911	[10129, 5081]
2247	[3828, 3829]	4802	[1963, 2033]	7357	[2479, 8909]	9912	[5388, 5351]
2248	[3830, 3831]	4803	[5044, 5295]	7358	[815, 2497]	9913	[6613, 6446]
2249	[3832, 3833]	4804	[895, 6848]	7359	[5871, 8910]	9914	[10136, 6665]
2250	[3834, 3835]	4805	[2965, 1962]	7360	[6538, 8911]	9915	[2614, 6830]
2251	[3836, 490]	4806	[1824, 506]	7361	[2602, 5551]	9916	[9214, 8617]
2252	[3837, 3838]	4807	[628, 2964]	7362	[8663, 8912]	9917	[2528, 5693]
2253	[3839, 3840]	4808	[2962, 235]	7363	[5874, 8913]	9918	[10137, 2044]
2254	[3841, 3842]	4809	[898, 2965]	7364	[2459, 842]	9919	[2000, 6412]
2255	[3843, 3844]	4810	[5491, 5242]	7365	[6596, 8914]	9920	[10138, 8713]

2256	[3845, 3846]	4811	[1825, 2553]	7366	[8915, 8916]	9921	[5942, 10139]
2257	[3847, 3848]	4812	[6083, 6830]	7367	[8784, 8917]	9922	[6294, 10140]
2258	[3369, 3198]	4813	[653, 6849]	7368	[8702, 6050]	9923	[926, 57]
2259	[3849, 3850]	4814	[6850, 500]	7369	[2178, 2472]	9924	[10141, 9195]
2260	[3851, 3852]	4815	[6851, 860]	7370	[8918, 8919]	9925	[8873, 6492]
2261	[3853, 3854]	4816	[5335, 1995]	7371	[2721, 5271]	9926	[6674, 5171]
2262	[3855, 3856]	4817	[880, 5322]	7372	[6021, 8920]	9927	[6294, 5727]
2263	[1113, 3857]	4818	[2100, 1953]	7373	[8921, 8922]	9928	[8691, 5143]
2264	[3858, 3859]	4819	[130, 6852]	7374	[853, 5246]	9929	[10121, 6653]
2265	[3740, 3860]	4820	[1865, 5971]	7375	[5995, 227]	9930	[10142, 5349]
2266	[3617, 3861]	4821	[1911, 6853]	7376	[5438, 8923]	9931	[5730, 9246]
2267	[3862, 3863]	4822	[2203, 2205]	7377	[8924, 8925]	9932	[2362, 10143]
2268	[3864, 3865]	4823	[6055, 6854]	7378	[5092, 2870]	9933	[9570, 10144]
2269	[3866, 3316]	4824	[5309, 6647]	7379	[2608, 5067]	9934	[8811, 10145]
2270	[3802, 3867]	4825	[6565, 5592]	7380	[8926, 8927]	9935	[6260, 10146]
2271	[1292, 1416]	4826	[5567, 5588]	7381	[2722, 8928]	9936	[1914, 9417]
2272	[3253, 3868]	4827	[5789, 5307]	7382	[6211, 8929]	9937	[2022, 1804]
2273	[3869, 3870]	4828	[3086, 2018]	7383	[8930, 8931]	9938	[6920, 2291]
2274	[3871, 452]	4829	[927, 58]	7384	[8932, 2449]	9939	[9418, 6555]
2275	[3872, 3873]	4830	[2249, 6855]	7385	[8731, 8933]	9940	[9063, 5364]
2276	[3874, 3875]	4831	[6856, 790]	7386	[8934, 8935]	9941	[10147, 10148]
2277	[3876, 3877]	4832	[5596, 6857]	7387	[6661, 8936]	9942	[10026, 5190]
2278	[3878, 3879]	4833	[6858, 2523]	7388	[8937, 8938]	9943	[10126, 5083]
2279	[3880, 3881]	4834	[6859, 5092]	7389	[6728, 8939]	9944	[6863, 9405]
2280	[3882, 3883]	4835	[6860, 6861]	7390	[8940, 8941]	9945	[5726, 2886]
2281	[125, 3703]	4836	[1956, 6490]	7391	[8942, 5075]	9946	[857, 10038]
2282	[1005, 3884]	4837	[2794, 6862]	7392	[2663, 6833]	9947	[10149, 6033]
2283	[3885, 3886]	4838	[6863, 6864]	7393	[8943, 8889]	9948	[8702, 9282]
2284	[3887, 1760]	4839	[6865, 6866]	7394	[6690, 2673]	9949	[8659, 2778]
2285	[3888, 3889]	4840	[6867, 6868]	7395	[8944, 204]	9950	[9212, 554]
2286	[3890, 3891]	4841	[2748, 5794]	7396	[2879, 2007]	9951	[6170, 2076]
2287	[3892, 3595]	4842	[818, 5432]	7397	[8746, 850]	9952	[163, 10044]
2288	[3893, 3894]	4843	[6553, 2708]	7398	[5064, 8945]	9953	[8674, 9124]
2289	[3895, 3896]	4844	[5301, 6869]	7399	[4990, 8946]	9954	[5500, 5805]
2290	[3832, 3897]	4845	[5411, 6870]	7400	[221, 6743]	9955	[6303, 9026]
2291	[3898, 3899]	4846	[5550, 6871]	7401	[5086, 5427]	9956	[5018, 9585]
2292	[3900, 3639]	4847	[5940, 6214]	7402	[6633, 6902]	9957	[6750, 8704]
2293	[3901, 3902]	4848	[6872, 2598]	7403	[8642, 8947]	9958	[10150, 2724]
2294	[1565, 1017]	4849	[3091, 2020]	7404	[3058, 2980]	9959	[8618, 9146]
2295	[3903, 3904]	4850	[5030, 6873]	7405	[2736, 8948]	9960	[10151, 2704]
2296	[3905, 1467]	4851	[2339, 6874]	7406	[8949, 8685]	9961	[2731, 10152]
2297	[3906, 3907]	4852	[6051, 6875]	7407	[8950, 8951]	9962	[6619, 9431]
2298	[3908, 3909]	4853	[664, 6493]	7408	[6735, 6544]	9963	[10132, 5485]
2299	[1348, 3910]	4854	[528, 6876]	7409	[6522, 8952]	9964	[9299, 6736]

2300	[3911, 3912]	4855	[2791, 6877]	7410	[6541, 2518]	9965	[2253, 3030]
2301	[3913, 1364]	4856	[603, 6878]	7411	[5732, 8953]	9966	[8877, 10153]
2302	[1166, 3914]	4857	[3008, 5667]	7412	[6182, 5851]	9967	[9171, 6622]
2303	[3875, 3915]	4858	[5057, 6879]	7413	[2481, 5173]	9968	[6829, 5402]
2304	[3916, 1232]	4859	[6880, 575]	7414	[8954, 8955]	9969	[6900, 6805]
2305	[3917, 3561]	4860	[1882, 2733]	7415	[6420, 5042]	9970	[8756, 2905]
2306	[3918, 3919]	4861	[6662, 6881]	7416	[6911, 8956]	9971	[9201, 2133]
2307	[3920, 3921]	4862	[5692, 2529]	7417	[2763, 8957]	9972	[5968, 1842]
2308	[3324, 3922]	4863	[1976, 6882]	7418	[2559, 936]	9973	[9538, 9414]
2309	[3923, 3320]	4864	[6883, 5680]	7419	[8958, 3094]	9974	[6201, 9197]
2310	[1310, 3924]	4865	[1848, 6884]	7420	[8959, 6662]	9975	[8815, 10154]
2311	[3925, 3926]	4866	[6548, 6885]	7421	[809, 8960]	9976	[2114, 3089]
2312	[422, 3927]	4867	[6321, 6244]	7422	[778, 8778]	9977	[5150, 5902]
2313	[3788, 3928]	4868	[6886, 6431]	7423	[8954, 8961]	9978	[9204, 2842]
2314	[3929, 3930]	4869	[6744, 5626]	7424	[8962, 1999]	9979	[5895, 2533]
2315	[3931, 3932]	4870	[6392, 693]	7425	[2335, 837]	9980	[540, 2508]
2316	[3933, 3934]	4871	[2415, 6391]	7426	[6681, 2444]	9981	[5049, 5101]
2317	[3935, 3936]	4872	[239, 2892]	7427	[5752, 8963]	9982	[9542, 2215]
2318	[3937, 3938]	4873	[6887, 2646]	7428	[666, 6004]	9983	[2144, 2025]
2319	[3540, 3939]	4874	[6888, 1867]	7429	[5898, 8964]	9984	[8826, 10113]
2320	[3940, 3941]	4875	[6889, 6890]	7430	[2023, 6246]	9985	[8, 6921]
2321	[1376, 1338]	4876	[6891, 932]	7431	[5905, 2809]	9986	[2462, 10066]
2322	[441, 71]	4877	[6892, 6468]	7432	[5744, 8965]	9987	[10155, 5823]
2323	[3942, 3943]	4878	[6893, 6894]	7433	[6105, 157]	9988	[3081, 3014]
2324	[3944, 3927]	4879	[5303, 6895]	7434	[5292, 593]	9989	[10156, 10024]
2325	[3945, 3946]	4880	[1886, 6896]	7435	[2764, 3026]	9990	[2533, 5228]
2326	[3947, 3948]	4881	[6897, 6898]	7436	[2356, 8966]	9991	[5063, 2883]
2327	[1240, 3949]	4882	[848, 692]	7437	[5970, 637]	9992	[2691, 10123]
2328	[3950, 3951]	4883	[6899, 916]	7438	[669, 2238]	9993	[2790, 6263]
2329	[3493, 3738]	4884	[650, 5519]	7439	[6099, 8967]	9994	[6568, 6637]
2330	[3952, 3953]	4885	[6831, 6900]	7440	[2951, 6294]	9995	[9008, 606]
2331	[3954, 3955]	4886	[6101, 5930]	7441	[8917, 8968]	9996	[10157, 797]
2332	[1409, 3956]	4887	[2095, 5925]	7442	[5471, 4979]	9997	[8990, 2549]
2333	[3957, 3958]	4888	[2947, 2937]	7443	[6517, 8969]	9998	[6356, 8736]
2334	[3959, 3960]	4889	[6769, 6633]	7444	[674, 2228]	9999	[9186, 3037]
2335	[3961, 3962]	4890	[5288, 6901]	7445	[2352, 6576]	10000	[6723, 2138]
2336	[3619, 3963]	4891	[5994, 226]	7446	[5089, 2590]	10001	[2857, 761]
2337	[3259, 3964]	4892	[819, 6902]	7447	[2429, 6137]	10002	[10158, 9038]
2338	[3775, 3965]	4893	[6267, 5425]	7448	[5689, 8970]	10003	[10159, 5717]
2339	[3966, 3967]	4894	[6903, 3021]	7449	[2858, 6599]	10004	[9455, 8951]
2340	[3968, 1706]	4895	[238, 2036]	7450	[2496, 816]	10005	[2514, 854]
2341	[3969, 3970]	4896	[6904, 6905]	7451	[3015, 5130]	10006	[5676, 10160]
2342	[3971, 3972]	4897	[877, 38]	7452	[3069, 6128]	10007	[6357, 854]
2343	[3973, 3436]	4898	[6906, 6907]	7453	[5704, 139]	10008	[5402, 10161]

2344	[3974, 3975]	4899	[870, 1986]	7454	[2836, 8971]	10009	[9478, 6733]
2345	[3154, 3976]	4900	[632, 6644]	7455	[3069, 1864]	10010	[5650, 9119]
2346	[1431, 3977]	4901	[2504, 6489]	7456	[8875, 6733]	10011	[5545, 10162]
2347	[3978, 1464]	4902	[889, 6908]	7457	[2369, 8885]	10012	[4465, 3907]
2348	[3979, 3980]	4903	[4975, 6909]	7458	[6737, 2909]	10013	[4167, 10163]
2349	[437, 1297]	4904	[2819, 6910]	7459	[8972, 5718]	10014	[1173, 7611]
2350	[3981, 3982]	4905	[6911, 947]	7460	[8973, 8974]	10015	[7178, 10164]
2351	[3983, 3984]	4906	[6108, 6912]	7461	[8975, 2621]	10016	[1571, 3933]
2352	[3985, 3657]	4907	[6913, 5622]	7462	[8976, 6377]	10017	[448, 9780]
2353	[3986, 3987]	4908	[6914, 2839]	7463	[5225, 8977]	10018	[7319, 9955]
2354	[3988, 3989]	4909	[2643, 6153]	7464	[8801, 870]	10019	[9887, 8072]
2355	[3990, 3991]	4910	[2850, 6915]	7465	[6694, 8978]	10020	[4135, 6973]
2356	[3992, 3993]	4911	[2620, 6916]	7466	[2337, 8979]	10021	[7883, 9739]
2357	[3994, 3995]	4912	[5449, 6917]	7467	[6391, 6228]	10022	[8311, 7722]
2358	[3996, 1472]	4913	[864, 5243]	7468	[8980, 5663]	10023	[3644, 10165]
2359	[1191, 3997]	4914	[6918, 2911]	7469	[5417, 8981]	10024	[8396, 9850]
2360	[3998, 3999]	4915	[5423, 704]	7470	[8982, 8983]	10025	[7301, 5781]
2361	[4000, 4001]	4916	[245, 2154]	7471	[2969, 5237]	10026	[3888, 4601]
2362	[298, 4002]	4917	[5265, 2755]	7472	[8984, 2776]	10027	[7195, 4726]
2363	[4003, 4004]	4918	[6919, 723]	7473	[5268, 8985]	10028	[3818, 3837]
2364	[4005, 4006]	4919	[6000, 2787]	7474	[2785, 8986]	10029	[8030, 7412]
2365	[4007, 4008]	4920	[2265, 3091]	7475	[6441, 8987]	10030	[3625, 10166]
2366	[4009, 4010]	4921	[6920, 6446]	7476	[5902, 8631]	10031	[1433, 1521]
2367	[3527, 3585]	4922	[2155, 5481]	7477	[8919, 5138]	10032	[1527, 10167]
2368	[4011, 4012]	4923	[2857, 6921]	7478	[5888, 2596]	10033	[4094, 4789]
2369	[3539, 4013]	4924	[6002, 6922]	7479	[5068, 5429]	10034	[9776, 10168]
2370	[4014, 4015]	4925	[5819, 6923]	7480	[8988, 880]	10035	[6961, 1102]
2371	[1368, 4016]	4926	[6924, 6925]	7481	[5597, 8989]	10036	[3819, 3838]
2372	[4017, 4018]	4927	[6336, 6926]	7482	[8990, 8902]	10037	[1549, 10169]
2373	[4019, 4020]	4928	[5541, 6389]	7483	[8705, 5726]	10038	[8400, 8394]
2374	[4021, 4022]	4929	[6927, 6928]	7484	[5656, 8991]	10039	[1759, 10170]
2375	[4023, 4024]	4930	[6929, 5893]	7485	[39, 6847]	10040	[7987, 1342]
2376	[4025, 4026]	4931	[6803, 2946]	7486	[2079, 8757]	10041	[9961, 7582]
2377	[3434, 469]	4932	[61, 6303]	7487	[8992, 8706]	10042	[4321, 8172]
2378	[1038, 4027]	4933	[164, 6930]	7488	[8993, 2803]	10043	[9664, 3504]
2379	[4028, 1664]	4934	[838, 3039]	7489	[2218, 8979]	10044	[4258, 1582]
2380	[4029, 4030]	4935	[602, 2583]	7490	[5008, 8994]	10045	[8185, 3392]
2381	[4031, 4032]	4936	[5897, 6931]	7491	[8995, 8996]	10046	[1291, 10171]
2382	[1210, 4033]	4937	[6333, 6932]	7492	[2412, 8997]	10047	[4268, 3397]
2383	[4034, 4035]	4938	[6933, 2437]	7493	[5774, 8998]	10048	[1215, 4046]
2384	[4036, 4037]	4939	[930, 2431]	7494	[3051, 8999]	10049	[9649, 3225]
2385	[4038, 4039]	4940	[6683, 6920]	7495	[5489, 9000]	10050	[7788, 7800]
2386	[4040, 4041]	4941	[6934, 1933]	7496	[2612, 9001]	10051	[7326, 10172]
2387	[4042, 1305]	4942	[5206, 2920]	7497	[6230, 9002]	10052	[7166, 1489]

2388	[1461, 4043]	4943	[908, 2223]	7498	[9003, 9004]	10053	[3698, 8112]
2389	[4044, 4045]	4944	[5151, 6842]	7499	[1949, 776]	10054	[9862, 10173]
2390	[4046, 4047]	4945	[59, 6935]	7500	[5822, 9005]	10055	[3251, 8307]
2391	[4048, 1430]	4946	[6594, 6836]	7501	[9006, 9007]	10056	[6971, 4558]
2392	[275, 4049]	4947	[5273, 2982]	7502	[9008, 9009]	10057	[9796, 1556]
2393	[4050, 4051]	4948	[6460, 6936]	7503	[8788, 5435]	10058	[9731, 4426]
2394	[4052, 1181]	4949	[2919, 5207]	7504	[9010, 9011]	10059	[1496, 7032]
2395	[3111, 4053]	4950	[6338, 6937]	7505	[5495, 9012]	10060	[10001, 4580]
2396	[4054, 4055]	4951	[6094, 2212]	7506	[5415, 9013]	10061	[1375, 3950]
2397	[4056, 4057]	4952	[5348, 6938]	7507	[1982, 5618]	10062	[3704, 1708]
2398	[4058, 1698]	4953	[5922, 5478]	7508	[9014, 9015]	10063	[9679, 8256]
2399	[4059, 4060]	4954	[549, 2958]	7509	[2247, 2994]	10064	[1145, 10174]
2400	[3961, 4061]	4955	[691, 2210]	7510	[9016, 6533]	10065	[8381, 7258]
2401	[4062, 4063]	4956	[6125, 6939]	7511	[230, 6194]	10066	[7572, 9936]
2402	[4064, 3603]	4957	[6774, 6177]	7512	[9017, 2451]	10067	[277, 3959]
2403	[4065, 4066]	4958	[2194, 6940]	7513	[5915, 6202]	10068	[322, 4900]
2404	[4067, 4068]	4959	[2273, 6941]	7514	[6506, 5850]	10069	[10175, 8051]
2405	[4069, 4070]	4960	[6325, 6942]	7515	[6704, 6227]	10070	[4477, 4803]
2406	[1406, 4071]	4961	[6061, 1903]	7516	[2690, 9018]	10071	[1518, 10176]
2407	[4072, 4073]	4962	[6943, 6944]	7517	[2450, 9019]	10072	[9937, 8152]
2408	[4074, 490]	4963	[6945, 6946]	7518	[182, 6058]	10073	[8494, 1757]
2409	[4075, 4076]	4964	[3095, 6947]	7519	[9020, 943]	10074	[7505, 1751]
2410	[1304, 4077]	4965	[2328, 6948]	7520	[3100, 6624]	10075	[4784, 10177]
2411	[4078, 4079]	4966	[2982, 5817]	7521	[2769, 638]	10076	[8352, 4440]
2412	[4080, 3192]	4967	[6418, 1795]	7522	[8626, 6273]	10077	[9732, 1517]
2413	[4081, 4082]	4968	[6234, 6826]	7523	[9021, 2669]	10078	[1358, 1160]
2414	[4048, 3381]	4969	[6949, 142]	7524	[6691, 9022]	10079	[7653, 9880]
2415	[4083, 4084]	4970	[2137, 940]	7525	[2285, 1891]	10080	[3260, 7128]
2416	[4085, 4086]	4971	[2606, 2273]	7526	[1918, 5980]	10081	[9846, 3602]
2417	[4087, 1248]	4972	[1855, 5665]	7527	[8703, 6751]	10082	[7291, 7015]
2418	[4088, 4089]	4973	[6950, 6951]	7528	[6730, 5668]	10083	[7423, 8160]
2419	[4090, 4091]	4974	[4810, 4495]	7529	[53, 166]	10084	[81, 489]
2420	[4092, 4093]	4975	[3279, 1643]	7530	[5919, 9023]	10085	[4394, 7017]
2421	[4094, 4095]	4976	[6952, 6953]	7531	[728, 699]	10086	[1789, 4968]
2422	[1080, 4096]	4977	[6954, 6955]	7532	[9024, 819]	10087	[8285, 10178]
2423	[4097, 4098]	4978	[6956, 6957]	7533	[9025, 2857]	10088	[1342, 4024]
2424	[4099, 4100]	4979	[6958, 6959]	7534	[62, 9026]	10089	[9744, 9657]
2425	[4101, 351]	4980	[4819, 6960]	7535	[8992, 9027]	10090	[4220, 10179]
2426	[435, 1229]	4981	[6961, 4607]	7536	[6196, 5611]	10091	[7886, 1701]
2427	[4102, 1442]	4982	[4541, 3696]	7537	[5364, 9028]	10092	[4586, 8411]
2428	[4103, 4104]	4983	[17, 6962]	7538	[6801, 5855]	10093	[8372, 94]
2429	[4105, 4106]	4984	[3523, 4191]	7539	[9029, 9030]	10094	[4249, 7298]
2430	[4107, 4108]	4985	[3819, 6963]	7540	[6346, 5746]	10095	[8159, 282]
2431	[3443, 4109]	4986	[6964, 6965]	7541	[8690, 9031]	10096	[474, 10180]

2432	[1742, 4110]	4987	[4641, 6966]	7542	[2654, 663]	10097	[1269, 10008]
2433	[4111, 4112]	4988	[6967, 6968]	7543	[688, 2833]	10098	[7995, 10181]
2434	[1536, 3250]	4989	[4470, 4465]	7544	[9032, 9033]	10099	[1443, 10182]
2435	[4113, 4114]	4990	[6969, 6970]	7545	[5494, 9034]	10100	[7656, 7771]
2436	[4115, 4116]	4991	[4045, 6971]	7546	[9035, 2761]	10101	[7704, 1240]
2437	[4117, 4118]	4992	[1066, 6972]	7547	[5265, 3040]	10102	[10183, 10184]
2438	[4119, 4120]	4993	[3359, 4224]	7548	[8721, 6334]	10103	[7067, 8537]
2439	[4121, 419]	4994	[3361, 1591]	7549	[5767, 694]	10104	[8407, 9774]
2440	[4122, 4123]	4995	[4497, 4733]	7550	[2293, 9036]	10105	[8110, 336]
2441	[4124, 4125]	4996	[4614, 6973]	7551	[6740, 9037]	10106	[8562, 4425]
2442	[3731, 4126]	4997	[3661, 4528]	7552	[5577, 2051]	10107	[3717, 7840]
2443	[4127, 4128]	4998	[6974, 6975]	7553	[2028, 9038]	10108	[8347, 10185]
2444	[4129, 4130]	4999	[6976, 981]	7554	[9039, 6396]	10109	[8020, 295]
2445	[3142, 4131]	5000	[6977, 6978]	7555	[9040, 812]	10110	[7804, 4887]
2446	[107, 4132]	5001	[6979, 4149]	7556	[9041, 6181]	10111	[3270, 7598]
2447	[4133, 436]	5002	[6980, 6981]	7557	[3085, 1936]	10112	[7211, 10186]
2448	[4134, 4135]	5003	[472, 6982]	7558	[9042, 9043]	10113	[3306, 9993]
2449	[4136, 4137]	5004	[4549, 1057]	7559	[9044, 9045]	10114	[4410, 10187]
2450	[1354, 4138]	5005	[1474, 6983]	7560	[197, 9046]	10115	[8360, 10188]
2451	[3840, 4139]	5006	[6984, 6985]	7561	[5809, 9047]	10116	[1523, 10189]
2452	[4140, 3354]	5007	[6986, 6987]	7562	[5433, 9048]	10117	[7649, 8125]
2453	[3840, 4141]	5008	[1301, 6988]	7563	[8767, 786]	10118	[8392, 3485]
2454	[4142, 4143]	5009	[4385, 6989]	7564	[2465, 5696]	10119	[4891, 7151]
2455	[1650, 4144]	5010	[4153, 3249]	7565	[43, 9049]	10120	[7095, 3799]
2456	[4145, 3709]	5011	[3806, 1195]	7566	[2930, 9050]	10121	[10190, 4122]
2457	[4146, 4147]	5012	[6990, 6991]	7567	[9051, 8676]	10122	[9855, 8156]
2458	[4148, 4149]	5013	[3464, 4685]	7568	[5654, 9052]	10123	[1491, 10191]
2459	[1522, 4150]	5014	[6992, 3806]	7569	[5474, 5157]	10124	[8202, 10192]
2460	[4151, 4152]	5015	[3576, 6993]	7570	[9053, 5119]	10125	[8181, 10193]
2461	[4153, 1536]	5016	[6994, 6995]	7571	[6592, 2249]	10126	[8273, 10194]
2462	[1007, 4154]	5017	[4908, 4966]	7572	[9054, 9055]	10127	[6973, 8342]
2463	[4155, 4156]	5018	[6996, 1006]	7573	[8856, 9056]	10128	[7757, 10195]
2464	[4157, 1247]	5019	[4885, 6997]	7574	[9057, 230]	10129	[7049, 7112]
2465	[4158, 4159]	5020	[6998, 105]	7575	[2486, 9058]	10130	[7867, 3420]
2466	[4160, 1127]	5021	[281, 6999]	7576	[14, 6445]	10131	[4965, 1276]
2467	[4161, 4162]	5022	[4794, 1634]	7577	[9059, 9060]	10132	[3696, 9873]
2468	[404, 4163]	5023	[7000, 7001]	7578	[2718, 6443]	10133	[7852, 8328]
2469	[1725, 4164]	5024	[3594, 4471]	7579	[6904, 9061]	10134	[8270, 4116]
2470	[4165, 4166]	5025	[7002, 7003]	7580	[2483, 8681]	10135	[4556, 10169]
2471	[4167, 4168]	5026	[3751, 7004]	7581	[643, 9062]	10136	[8351, 10196]
2472	[3675, 4169]	5027	[7005, 7006]	7582	[5468, 5607]	10137	[7055, 8234]
2473	[4170, 4171]	5028	[7007, 7008]	7583	[9063, 9064]	10138	[4054, 10197]
2474	[4172, 4173]	5029	[7009, 3129]	7584	[696, 9065]	10139	[8560, 10198]
2475	[1294, 1153]	5030	[7010, 7011]	7585	[8973, 9066]	10140	[10175, 97]

2476	[4174, 4175]	5031	[1155, 4659]	7586	[9067, 9068]	10141	[3541, 3341]
2477	[4176, 4177]	5032	[306, 7012]	7587	[9069, 5623]	10142	[9760, 10199]
2478	[4178, 4179]	5033	[3353, 7013]	7588	[5202, 9070]	10143	[1777, 4777]
2479	[4180, 4181]	5034	[95, 7014]	7589	[5293, 2739]	10144	[1685, 10187]
2480	[4182, 4183]	5035	[4689, 7015]	7590	[9071, 2877]	10145	[3763, 7061]
2481	[4184, 4185]	5036	[3421, 438]	7591	[9072, 2408]	10146	[9951, 9977]
2482	[3143, 3757]	5037	[1738, 1390]	7592	[6850, 9073]	10147	[8559, 372]
2483	[4186, 4187]	5038	[7016, 7017]	7593	[6046, 570]	10148	[7261, 3226]
2484	[3453, 4188]	5039	[1215, 7018]	7594	[5382, 5411]	10149	[1566, 7006]
2485	[4189, 4190]	5040	[7019, 4421]	7595	[9074, 136]	10150	[3975, 10200]
2486	[4191, 4192]	5041	[1254, 7020]	7596	[6273, 9075]	10151	[991, 10201]
2487	[4193, 4194]	5042	[7021, 1049]	7597	[6346, 47]	10152	[1701, 7768]
2488	[4195, 4196]	5043	[7022, 1095]	7598	[6194, 2685]	10153	[4480, 1478]
2489	[4197, 1642]	5044	[3754, 7023]	7599	[697, 5927]	10154	[4097, 7251]
2490	[3781, 4198]	5045	[7024, 1028]	7600	[9076, 9077]	10155	[265, 10202]
2491	[4199, 4200]	5046	[117, 7025]	7601	[8786, 9078]	10156	[1276, 10203]
2492	[4201, 4202]	5047	[4489, 3650]	7602	[6706, 2245]	10157	[3470, 10204]
2493	[1743, 102]	5048	[7026, 7027]	7603	[8644, 9079]	10158	[7638, 10205]
2494	[1751, 4203]	5049	[29, 7028]	7604	[9080, 8686]	10159	[3774, 3796]
2495	[4204, 4205]	5050	[3447, 7029]	7605	[9081, 607]	10160	[1554, 7546]
2496	[4206, 4207]	5051	[7030, 3202]	7606	[6107, 8680]	10161	[3578, 7861]
2497	[4208, 1360]	5052	[1636, 4257]	7607	[8930, 8734]	10162	[9897, 421]
2498	[4209, 1413]	5053	[7031, 4112]	7608	[2286, 9082]	10163	[725, 656]
2499	[4210, 3578]	5054	[1546, 7032]	7609	[9083, 5937]	10164	[10206, 5145]
2500	[1462, 3813]	5055	[4866, 7033]	7610	[33, 9084]	10165	[6119, 8949]
2501	[4211, 4212]	5056	[7034, 1171]	7611	[6043, 6393]	10166	[9027, 5774]
2502	[1303, 1375]	5057	[7035, 7036]	7612	[3073, 742]	10167	[10207, 5211]
2503	[4213, 4214]	5058	[3947, 4264]	7613	[9085, 9086]	10168	[5707, 2992]
2504	[4026, 1758]	5059	[7037, 7038]	7614	[9087, 3036]	10169	[5751, 646]
2505	[3253, 3629]	5060	[4964, 7039]	7615	[5728, 2041]	10170	[6260, 6251]
2506	[3459, 4215]	5061	[7040, 3345]	7616	[9088, 9089]	10171	[823, 10161]
2507	[4216, 4217]	5062	[4679, 4449]	7617	[6481, 2100]	10172	[6710, 2657]
2508	[1037, 4218]	5063	[414, 7041]	7618	[782, 9090]	10173	[10032, 6106]
2509	[4219, 4220]	5064	[3771, 7042]	7619	[5989, 5535]	10174	[10208, 6588]
2510	[4221, 4222]	5065	[7043, 4922]	7620	[6394, 9091]	10175	[208, 676]
2511	[1774, 1763]	5066	[3994, 7044]	7621	[9035, 5602]	10176	[2706, 10153]
2512	[4223, 4224]	5067	[7045, 3579]	7622	[9092, 5071]	10177	[5585, 5178]
2513	[1561, 4225]	5068	[3548, 7046]	7623	[813, 5051]	10178	[9583, 911]
2514	[1048, 4226]	5069	[3843, 7047]	7624	[6073, 2861]	10179	[2272, 2607]
2515	[4227, 4228]	5070	[3839, 7048]	7625	[2873, 9093]	10180	[8730, 2812]
2516	[4229, 4230]	5071	[3492, 3705]	7626	[9094, 864]	10181	[9466, 2979]
2517	[4231, 4232]	5072	[7049, 7050]	7627	[5293, 594]	10182	[6378, 617]
2518	[4233, 4234]	5073	[276, 7051]	7628	[5828, 9095]	10183	[2509, 6010]
2519	[4235, 75]	5074	[3150, 4683]	7629	[1928, 6656]	10184	[10209, 9413]

2520	[4236, 447]	5075	[3968, 7052]	7630	[2321, 9096]	10185	[873, 9222]
2521	[3975, 4237]	5076	[7053, 7054]	7631	[9097, 6742]	10186	[10209, 152]
2522	[4238, 3372]	5077	[7055, 7056]	7632	[3028, 6369]	10187	[8824, 6636]
2523	[4239, 4240]	5078	[3269, 7057]	7633	[8741, 6774]	10188	[8611, 2121]
2524	[4241, 4242]	5079	[1223, 7058]	7634	[9098, 9099]	10189	[10086, 6786]
2525	[4243, 4244]	5080	[991, 7059]	7635	[6843, 9100]	10190	[8639, 5376]
2526	[1290, 4245]	5081	[7060, 7061]	7636	[9101, 5657]	10191	[2483, 8771]
2527	[1760, 4246]	5082	[7062, 4624]	7637	[9102, 5800]	10192	[10210, 8699]
2528	[4247, 4248]	5083	[4033, 1231]	7638	[2247, 9103]	10193	[2471, 2179]
2529	[3865, 4249]	5084	[4074, 7063]	7639	[9104, 5292]	10194	[5911, 6123]
2530	[1758, 4202]	5085	[7064, 7065]	7640	[5906, 9105]	10195	[6949, 6630]
2531	[1791, 4250]	5086	[7066, 1248]	7641	[9106, 750]	10196	[6374, 6784]
2532	[456, 3877]	5087	[4841, 7067]	7642	[1857, 9107]	10197	[6614, 9575]
2533	[1300, 4251]	5088	[3159, 7068]	7643	[9108, 6272]	10198	[2451, 5267]
2534	[4252, 4253]	5089	[1242, 7069]	7644	[6720, 9109]	10199	[9435, 6581]
2535	[397, 4254]	5090	[7070, 7026]	7645	[9110, 5406]	10200	[3012, 8901]
2536	[1381, 4255]	5091	[7071, 7072]	7646	[2505, 6619]	10201	[6795, 1853]
2537	[4256, 4257]	5092	[7073, 7074]	7647	[9111, 9112]	10202	[8858, 6898]
2538	[4258, 4259]	5093	[7075, 4081]	7648	[9113, 6049]	10203	[6948, 5788]
2539	[4260, 4261]	5094	[3135, 7076]	7649	[6534, 9114]	10204	[5943, 5164]
2540	[4262, 3608]	5095	[4332, 7077]	7650	[6835, 9093]	10205	[1943, 1834]
2541	[1633, 4028]	5096	[3141, 7078]	7651	[5081, 9115]	10206	[4873, 10211]
2542	[3433, 1609]	5097	[3814, 3107]	7652	[9116, 9117]	10207	[7975, 10212]
2543	[4238, 4263]	5098	[4912, 7079]	7653	[2933, 6926]	10208	[7090, 10213]
2544	[4264, 1494]	5099	[3247, 4704]	7654	[5875, 9118]	10209	[8564, 304]
2545	[4265, 4266]	5100	[4904, 7080]	7655	[8890, 9119]	10210	[3903, 10214]
2546	[4267, 3726]	5101	[7081, 1441]	7656	[3030, 2453]	10211	[10215, 6852]
2547	[4268, 4269]	5102	[7082, 3236]	7657	[9081, 6418]	10212	[6557, 9183]
2548	[3834, 4270]	5103	[4599, 3658]	7658	[6198, 6247]	10213	[5235, 517]
2549	[1173, 4271]	5104	[7083, 7084]	7659	[8955, 5884]	10214	[8934, 9524]
2550	[4272, 4273]	5105	[7085, 7086]	7660	[6761, 5287]	10215	[7640, 10216]
2551	[4274, 4004]	5106	[3121, 7087]	7661	[724, 655]	10216	[5949, 2545]
2552	[1716, 4275]	5107	[4733, 7088]	7662	[5477, 3057]		
2553	[4276, 4277]	5108	[3238, 7089]	7663	[9120, 9121]		
2554	[1690, 117]	5109	[7090, 7091]	7664	[6488, 938]		

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

n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$
0	0	1703	0	3406	0	5109	0	6812	1	8515	0
1	0	1704	1	3407	0	5110	0	6813	1	8516	0
2	0	1705	0	3408	1	5111	1	6814	1	8517	0
3	0	1706	0	3409	1	5112	0	6815	1	8518	0
4	0	1707	1	3410	1	5113	0	6816	1	8519	1
5	0	1708	0	3411	1	5114	1	6817	1	8520	1

6	0	1709	0	3412	1	5115	0	6818	0	8521	0
7	0	1710	0	3413	0	5116	0	6819	0	8522	1
8	0	1711	1	3414	1	5117	0	6820	0	8523	1
9	0	1712	1	3415	1	5118	1	6821	0	8524	1
10	1	1713	0	3416	1	5119	0	6822	1	8525	0
11	0	1714	1	3417	0	5120	0	6823	1	8526	0
12	1	1715	0	3418	0	5121	1	6824	1	8527	0
13	0	1716	0	3419	1	5122	0	6825	1	8528	0
14	1	1717	0	3420	1	5123	1	6826	0	8529	1
15	0	1718	0	3421	0	5124	1	6827	1	8530	0
16	0	1719	0	3422	1	5125	0	6828	1	8531	0
17	0	1720	1	3423	0	5126	1	6829	1	8532	1
18	0	1721	0	3424	0	5127	1	6830	0	8533	0
19	0	1722	0	3425	1	5128	0	6831	1	8534	0
20	0	1723	0	3426	1	5129	0	6832	1	8535	1
21	1	1724	0	3427	1	5130	0	6833	0	8536	1
22	1	1725	1	3428	0	5131	1	6834	1	8537	0
23	0	1726	0	3429	0	5132	1	6835	0	8538	1
24	1	1727	1	3430	1	5133	1	6836	0	8539	1
25	1	1728	0	3431	1	5134	1	6837	1	8540	0
26	0	1729	1	3432	0	5135	0	6838	1	8541	1
27	0	1730	1	3433	1	5136	0	6839	1	8542	0
28	0	1731	0	3434	1	5137	1	6840	0	8543	0
29	1	1732	0	3435	1	5138	1	6841	0	8544	1
30	0	1733	1	3436	0	5139	1	6842	1	8545	1
31	0	1734	0	3437	0	5140	1	6843	1	8546	1
32	1	1735	1	3438	0	5141	0	6844	1	8547	0
33	0	1736	1	3439	1	5142	0	6845	0	8548	0
34	1	1737	1	3440	0	5143	1	6846	1	8549	0
35	0	1738	1	3441	0	5144	0	6847	1	8550	1
36	0	1739	0	3442	0	5145	1	6848	0	8551	0
37	0	1740	0	3443	0	5146	1	6849	0	8552	0
38	0	1741	0	3444	0	5147	1	6850	1	8553	1
39	0	1742	0	3445	0	5148	0	6851	1	8554	0
40	0	1743	1	3446	1	5149	0	6852	0	8555	0
41	0	1744	0	3447	1	5150	1	6853	0	8556	1
42	0	1745	0	3448	1	5151	1	6854	0	8557	1
43	1	1746	1	3449	0	5152	0	6855	1	8558	1
44	1	1747	1	3450	0	5153	0	6856	0	8559	1
45	1	1748	1	3451	0	5154	0	6857	1	8560	1
46	1	1749	0	3452	0	5155	0	6858	0	8561	1
47	0	1750	1	3453	0	5156	0	6859	0	8562	1
48	1	1751	1	3454	0	5157	0	6860	1	8563	1
49	1	1752	1	3455	0	5158	0	6861	1	8564	0

50	0	1753	1	3456	1	5159	0	6862	0	8565	0
51	1	1754	0	3457	0	5160	0	6863	0	8566	1
52	0	1755	0	3458	0	5161	1	6864	0	8567	0
53	0	1756	1	3459	1	5162	0	6865	1	8568	1
54	1	1757	0	3460	1	5163	1	6866	1	8569	0
55	0	1758	1	3461	1	5164	0	6867	1	8570	1
56	1	1759	0	3462	1	5165	1	6868	1	8571	1
57	0	1760	1	3463	0	5166	0	6869	1	8572	1
58	1	1761	0	3464	1	5167	1	6870	1	8573	0
59	1	1762	1	3465	0	5168	0	6871	1	8574	1
60	1	1763	1	3466	1	5169	0	6872	0	8575	0
61	0	1764	1	3467	0	5170	1	6873	0	8576	1
62	0	1765	1	3468	1	5171	1	6874	0	8577	0
63	0	1766	1	3469	1	5172	1	6875	0	8578	1
64	1	1767	1	3470	0	5173	1	6876	0	8579	0
65	1	1768	1	3471	1	5174	1	6877	0	8580	1
66	1	1769	0	3472	1	5175	0	6878	0	8581	0
67	0	1770	0	3473	1	5176	0	6879	1	8582	1
68	1	1771	0	3474	0	5177	0	6880	0	8583	0
69	1	1772	0	3475	1	5178	0	6881	1	8584	1
70	0	1773	0	3476	1	5179	1	6882	1	8585	0
71	0	1774	0	3477	1	5180	1	6883	1	8586	0
72	0	1775	1	3478	0	5181	1	6884	1	8587	1
73	0	1776	0	3479	0	5182	0	6885	1	8588	1
74	0	1777	0	3480	0	5183	1	6886	1	8589	1
75	0	1778	1	3481	1	5184	0	6887	1	8590	0
76	1	1779	0	3482	1	5185	0	6888	1	8591	1
77	0	1780	0	3483	1	5186	1	6889	0	8592	0
78	1	1781	0	3484	1	5187	0	6890	1	8593	1
79	0	1782	1	3485	1	5188	0	6891	1	8594	1
80	1	1783	0	3486	1	5189	0	6892	0	8595	1
81	0	1784	0	3487	1	5190	0	6893	0	8596	1
82	0	1785	1	3488	1	5191	0	6894	1	8597	1
83	0	1786	0	3489	1	5192	0	6895	0	8598	1
84	0	1787	1	3490	0	5193	1	6896	1	8599	1
85	0	1788	0	3491	0	5194	0	6897	0	8600	0
86	0	1789	1	3492	0	5195	0	6898	0	8601	0
87	1	1790	0	3493	0	5196	1	6899	1	8602	0
88	1	1791	1	3494	1	5197	1	6900	0	8603	0
89	1	1792	0	3495	0	5198	0	6901	1	8604	0
90	1	1793	0	3496	0	5199	1	6902	0	8605	0
91	0	1794	0	3497	0	5200	1	6903	0	8606	1
92	1	1795	0	3498	1	5201	0	6904	1	8607	1
93	0	1796	0	3499	0	5202	0	6905	0	8608	0

94	0	1797	0	3500	0	5203	1	6906	0	8609	0
95	0	1798	1	3501	0	5204	0	6907	1	8610	1
96	1	1799	0	3502	1	5205	1	6908	1	8611	1
97	1	1800	0	3503	1	5206	0	6909	1	8612	0
98	1	1801	1	3504	0	5207	0	6910	1	8613	0
99	1	1802	1	3505	1	5208	0	6911	1	8614	1
100	0	1803	0	3506	1	5209	0	6912	0	8615	0
101	0	1804	1	3507	1	5210	0	6913	0	8616	0
102	1	1805	0	3508	1	5211	1	6914	1	8617	1
103	0	1806	1	3509	0	5212	0	6915	1	8618	0
104	0	1807	0	3510	1	5213	0	6916	0	8619	1
105	1	1808	1	3511	1	5214	1	6917	0	8620	1
106	0	1809	1	3512	0	5215	0	6918	1	8621	0
107	0	1810	0	3513	1	5216	1	6919	1	8622	1
108	1	1811	1	3514	1	5217	1	6920	1	8623	0
109	0	1812	0	3515	0	5218	1	6921	1	8624	0
110	0	1813	0	3516	0	5219	1	6922	1	8625	0
111	0	1814	0	3517	1	5220	0	6923	0	8626	1
112	1	1815	1	3518	1	5221	1	6924	1	8627	0
113	0	1816	0	3519	1	5222	1	6925	1	8628	1
114	0	1817	0	3520	1	5223	1	6926	0	8629	0
115	1	1818	0	3521	0	5224	0	6927	0	8630	0
116	1	1819	0	3522	0	5225	0	6928	0	8631	1
117	1	1820	1	3523	0	5226	0	6929	1	8632	0
118	1	1821	1	3524	0	5227	0	6930	1	8633	1
119	0	1822	1	3525	1	5228	0	6931	1	8634	0
120	1	1823	1	3526	1	5229	1	6932	1	8635	1
121	1	1824	0	3527	1	5230	1	6933	0	8636	0
122	0	1825	1	3528	1	5231	0	6934	1	8637	0
123	1	1826	0	3529	0	5232	1	6935	0	8638	1
124	0	1827	0	3530	1	5233	0	6936	0	8639	0
125	1	1828	0	3531	1	5234	0	6937	0	8640	1
126	0	1829	0	3532	0	5235	0	6938	0	8641	0
127	1	1830	1	3533	1	5236	1	6939	0	8642	0
128	1	1831	0	3534	1	5237	0	6940	1	8643	1
129	0	1832	1	3535	1	5238	1	6941	0	8644	1
130	1	1833	0	3536	0	5239	1	6942	1	8645	0
131	1	1834	1	3537	0	5240	1	6943	1	8646	1
132	1	1835	1	3538	0	5241	1	6944	0	8647	1
133	1	1836	0	3539	1	5242	1	6945	0	8648	1
134	0	1837	1	3540	0	5243	0	6946	0	8649	1
135	0	1838	0	3541	0	5244	1	6947	1	8650	0
136	1	1839	0	3542	0	5245	1	6948	1	8651	0
137	0	1840	1	3543	0	5246	0	6949	1	8652	0

138	1	1841	1	3544	1	5247	0	6950	0	8653	1
139	1	1842	0	3545	1	5248	0	6951	0	8654	0
140	0	1843	0	3546	1	5249	0	6952	0	8655	0
141	0	1844	0	3547	0	5250	1	6953	1	8656	0
142	0	1845	1	3548	1	5251	1	6954	0	8657	0
143	0	1846	1	3549	1	5252	0	6955	0	8658	0
144	0	1847	1	3550	0	5253	1	6956	0	8659	1
145	0	1848	1	3551	1	5254	0	6957	0	8660	0
146	0	1849	0	3552	0	5255	0	6958	0	8661	1
147	1	1850	1	3553	1	5256	0	6959	0	8662	0
148	0	1851	0	3554	1	5257	0	6960	0	8663	0
149	1	1852	1	3555	0	5258	1	6961	0	8664	1
150	0	1853	0	3556	0	5259	0	6962	1	8665	0
151	0	1854	0	3557	0	5260	0	6963	0	8666	0
152	1	1855	0	3558	1	5261	0	6964	0	8667	0
153	1	1856	1	3559	1	5262	0	6965	0	8668	0
154	0	1857	1	3560	1	5263	1	6966	1	8669	1
155	1	1858	1	3561	0	5264	1	6967	0	8670	1
156	1	1859	1	3562	0	5265	1	6968	1	8671	1
157	1	1860	1	3563	0	5266	0	6969	0	8672	0
158	0	1861	1	3564	0	5267	0	6970	0	8673	1
159	1	1862	0	3565	0	5268	1	6971	1	8674	0
160	1	1863	0	3566	0	5269	0	6972	1	8675	1
161	0	1864	0	3567	1	5270	0	6973	0	8676	1
162	0	1865	1	3568	1	5271	0	6974	1	8677	0
163	1	1866	0	3569	0	5272	0	6975	0	8678	1
164	0	1867	0	3570	1	5273	0	6976	1	8679	0
165	0	1868	1	3571	1	5274	1	6977	1	8680	0
166	0	1869	1	3572	0	5275	0	6978	1	8681	0
167	1	1870	1	3573	0	5276	0	6979	0	8682	1
168	0	1871	0	3574	1	5277	0	6980	1	8683	0
169	0	1872	0	3575	0	5278	0	6981	0	8684	0
170	0	1873	0	3576	0	5279	0	6982	1	8685	1
171	1	1874	1	3577	1	5280	1	6983	0	8686	0
172	0	1875	0	3578	1	5281	1	6984	0	8687	0
173	1	1876	0	3579	1	5282	1	6985	1	8688	0
174	1	1877	0	3580	1	5283	0	6986	0	8689	0
175	1	1878	1	3581	1	5284	0	6987	1	8690	1
176	1	1879	1	3582	0	5285	0	6988	0	8691	0
177	0	1880	1	3583	0	5286	0	6989	0	8692	0
178	1	1881	1	3584	0	5287	1	6990	1	8693	0
179	1	1882	1	3585	1	5288	1	6991	1	8694	1
180	1	1883	1	3586	1	5289	0	6992	0	8695	1
181	1	1884	1	3587	1	5290	0	6993	1	8696	0

182	0	1885	0	3588	1	5291	0	6994	0	8697	0
183	0	1886	1	3589	1	5292	1	6995	0	8698	0
184	1	1887	0	3590	0	5293	0	6996	1	8699	1
185	1	1888	0	3591	1	5294	1	6997	1	8700	1
186	0	1889	0	3592	1	5295	0	6998	1	8701	0
187	0	1890	1	3593	1	5296	0	6999	1	8702	0
188	0	1891	1	3594	0	5297	1	7000	1	8703	0
189	1	1892	1	3595	0	5298	0	7001	0	8704	1
190	0	1893	1	3596	1	5299	0	7002	1	8705	1
191	0	1894	1	3597	0	5300	0	7003	0	8706	0
192	1	1895	0	3598	0	5301	0	7004	0	8707	0
193	1	1896	0	3599	0	5302	0	7005	1	8708	1
194	1	1897	1	3600	0	5303	0	7006	0	8709	1
195	1	1898	1	3601	1	5304	1	7007	1	8710	1
196	1	1899	1	3602	0	5305	1	7008	0	8711	1
197	1	1900	1	3603	1	5306	1	7009	1	8712	0
198	1	1901	1	3604	0	5307	0	7010	0	8713	1
199	0	1902	1	3605	0	5308	0	7011	0	8714	1
200	0	1903	1	3606	0	5309	1	7012	0	8715	1
201	1	1904	0	3607	1	5310	0	7013	1	8716	1
202	0	1905	0	3608	1	5311	0	7014	0	8717	0
203	1	1906	0	3609	0	5312	1	7015	0	8718	0
204	1	1907	0	3610	0	5313	1	7016	0	8719	0
205	1	1908	0	3611	1	5314	1	7017	0	8720	1
206	0	1909	0	3612	0	5315	1	7018	0	8721	1
207	0	1910	0	3613	1	5316	0	7019	1	8722	0
208	0	1911	0	3614	0	5317	1	7020	0	8723	0
209	0	1912	1	3615	1	5318	1	7021	0	8724	1
210	1	1913	1	3616	1	5319	1	7022	0	8725	1
211	1	1914	1	3617	0	5320	1	7023	1	8726	1
212	0	1915	1	3618	0	5321	1	7024	1	8727	1
213	0	1916	0	3619	1	5322	1	7025	0	8728	1
214	0	1917	0	3620	1	5323	1	7026	1	8729	1
215	0	1918	0	3621	1	5324	0	7027	1	8730	1
216	1	1919	0	3622	0	5325	1	7028	1	8731	1
217	0	1920	1	3623	1	5326	0	7029	0	8732	1
218	0	1921	0	3624	0	5327	1	7030	0	8733	0
219	0	1922	0	3625	0	5328	1	7031	0	8734	1
220	0	1923	1	3626	0	5329	1	7032	0	8735	1
221	0	1924	1	3627	1	5330	0	7033	1	8736	1
222	0	1925	0	3628	0	5331	0	7034	1	8737	0
223	1	1926	1	3629	1	5332	0	7035	1	8738	0
224	1	1927	0	3630	1	5333	1	7036	0	8739	1
225	0	1928	0	3631	1	5334	0	7037	1	8740	0

226	0	1929	0	3632	0	5335	1	7038	0	8741	0
227	1	1930	0	3633	1	5336	1	7039	1	8742	0
228	0	1931	0	3634	0	5337	1	7040	1	8743	0
229	0	1932	0	3635	1	5338	1	7041	0	8744	1
230	1	1933	0	3636	1	5339	0	7042	0	8745	1
231	1	1934	1	3637	0	5340	0	7043	1	8746	0
232	1	1935	1	3638	1	5341	1	7044	0	8747	1
233	0	1936	1	3639	0	5342	1	7045	0	8748	0
234	1	1937	0	3640	0	5343	0	7046	0	8749	0
235	0	1938	1	3641	0	5344	0	7047	1	8750	0
236	1	1939	0	3642	0	5345	1	7048	0	8751	1
237	0	1940	1	3643	0	5346	1	7049	1	8752	0
238	0	1941	1	3644	1	5347	1	7050	1	8753	0
239	0	1942	0	3645	0	5348	0	7051	0	8754	1
240	1	1943	1	3646	1	5349	1	7052	1	8755	0
241	1	1944	0	3647	1	5350	0	7053	1	8756	0
242	1	1945	0	3648	1	5351	0	7054	1	8757	1
243	0	1946	0	3649	1	5352	0	7055	0	8758	1
244	0	1947	1	3650	0	5353	1	7056	1	8759	0
245	0	1948	1	3651	0	5354	0	7057	0	8760	0
246	1	1949	0	3652	0	5355	1	7058	0	8761	0
247	1	1950	0	3653	0	5356	0	7059	0	8762	0
248	0	1951	1	3654	0	5357	1	7060	1	8763	0
249	0	1952	0	3655	0	5358	1	7061	1	8764	1
250	1	1953	1	3656	1	5359	1	7062	0	8765	0
251	0	1954	1	3657	1	5360	0	7063	1	8766	0
252	0	1955	0	3658	1	5361	0	7064	0	8767	1
253	1	1956	1	3659	1	5362	0	7065	0	8768	0
254	1	1957	1	3660	0	5363	0	7066	0	8769	0
255	0	1958	0	3661	1	5364	0	7067	1	8770	1
256	1	1959	0	3662	0	5365	0	7068	0	8771	1
257	1	1960	0	3663	1	5366	1	7069	1	8772	1
258	0	1961	1	3664	1	5367	1	7070	0	8773	1
259	1	1962	0	3665	0	5368	1	7071	1	8774	0
260	1	1963	0	3666	1	5369	0	7072	1	8775	1
261	1	1964	0	3667	0	5370	1	7073	0	8776	1
262	1	1965	0	3668	1	5371	0	7074	1	8777	0
263	0	1966	0	3669	0	5372	1	7075	0	8778	1
264	1	1967	0	3670	1	5373	1	7076	0	8779	0
265	0	1968	0	3671	0	5374	1	7077	1	8780	0
266	1	1969	0	3672	1	5375	0	7078	0	8781	1
267	1	1970	0	3673	0	5376	0	7079	0	8782	1
268	0	1971	0	3674	1	5377	1	7080	0	8783	0
269	1	1972	1	3675	0	5378	1	7081	0	8784	1

270	0	1973	1	3676	1	5379	1	7082	0	8785	0
271	0	1974	0	3677	0	5380	1	7083	0	8786	1
272	0	1975	1	3678	1	5381	1	7084	1	8787	0
273	0	1976	1	3679	0	5382	1	7085	1	8788	0
274	0	1977	1	3680	0	5383	1	7086	1	8789	0
275	1	1978	1	3681	0	5384	0	7087	0	8790	0
276	1	1979	1	3682	0	5385	0	7088	1	8791	0
277	1	1980	0	3683	1	5386	1	7089	1	8792	1
278	1	1981	0	3684	0	5387	0	7090	0	8793	0
279	0	1982	1	3685	0	5388	1	7091	1	8794	1
280	1	1983	1	3686	0	5389	1	7092	0	8795	0
281	0	1984	1	3687	1	5390	1	7093	0	8796	1
282	0	1985	1	3688	0	5391	0	7094	1	8797	1
283	0	1986	1	3689	1	5392	1	7095	0	8798	0
284	1	1987	0	3690	1	5393	1	7096	1	8799	1
285	0	1988	1	3691	1	5394	0	7097	0	8800	0
286	0	1989	0	3692	1	5395	1	7098	1	8801	1
287	0	1990	1	3693	0	5396	0	7099	0	8802	0
288	0	1991	0	3694	0	5397	1	7100	1	8803	1
289	0	1992	0	3695	0	5398	1	7101	1	8804	1
290	0	1993	0	3696	1	5399	0	7102	1	8805	0
291	0	1994	0	3697	0	5400	0	7103	0	8806	1
292	0	1995	0	3698	0	5401	0	7104	1	8807	1
293	1	1996	0	3699	1	5402	1	7105	1	8808	0
294	0	1997	1	3700	1	5403	0	7106	1	8809	1
295	0	1998	0	3701	1	5404	1	7107	1	8810	0
296	0	1999	0	3702	0	5405	0	7108	1	8811	0
297	1	2000	0	3703	0	5406	0	7109	1	8812	1
298	0	2001	0	3704	1	5407	0	7110	1	8813	0
299	0	2002	1	3705	1	5408	0	7111	1	8814	0
300	1	2003	0	3706	1	5409	0	7112	0	8815	1
301	0	2004	1	3707	1	5410	1	7113	0	8816	0
302	1	2005	1	3708	0	5411	0	7114	0	8817	0
303	1	2006	0	3709	0	5412	0	7115	0	8818	1
304	1	2007	0	3710	0	5413	1	7116	0	8819	1
305	0	2008	0	3711	0	5414	0	7117	0	8820	0
306	0	2009	1	3712	1	5415	1	7118	0	8821	1
307	1	2010	0	3713	1	5416	0	7119	1	8822	0
308	1	2011	1	3714	1	5417	0	7120	0	8823	1
309	0	2012	1	3715	0	5418	0	7121	1	8824	0
310	1	2013	1	3716	1	5419	1	7122	0	8825	0
311	0	2014	0	3717	1	5420	0	7123	0	8826	1
312	1	2015	0	3718	0	5421	1	7124	0	8827	1
313	1	2016	0	3719	0	5422	0	7125	1	8828	1

314	0	2017	1	3720	1	5423	0	7126	1	8829	0
315	0	2018	1	3721	1	5424	0	7127	0	8830	1
316	1	2019	0	3722	1	5425	1	7128	1	8831	1
317	1	2020	1	3723	1	5426	1	7129	0	8832	1
318	0	2021	1	3724	0	5427	0	7130	1	8833	1
319	0	2022	0	3725	0	5428	0	7131	0	8834	0
320	1	2023	0	3726	1	5429	0	7132	1	8835	0
321	0	2024	0	3727	0	5430	0	7133	1	8836	1
322	0	2025	0	3728	1	5431	0	7134	0	8837	0
323	1	2026	0	3729	1	5432	0	7135	1	8838	0
324	1	2027	1	3730	0	5433	1	7136	0	8839	0
325	0	2028	0	3731	1	5434	0	7137	1	8840	1
326	1	2029	1	3732	1	5435	1	7138	1	8841	1
327	0	2030	0	3733	1	5436	0	7139	0	8842	0
328	0	2031	1	3734	1	5437	0	7140	0	8843	1
329	0	2032	1	3735	1	5438	1	7141	0	8844	1
330	1	2033	0	3736	1	5439	0	7142	0	8845	1
331	1	2034	1	3737	1	5440	1	7143	0	8846	0
332	1	2035	1	3738	0	5441	1	7144	0	8847	0
333	0	2036	1	3739	1	5442	1	7145	1	8848	1
334	1	2037	0	3740	1	5443	1	7146	1	8849	0
335	0	2038	1	3741	0	5444	1	7147	1	8850	1
336	0	2039	1	3742	1	5445	1	7148	1	8851	1
337	0	2040	1	3743	0	5446	1	7149	0	8852	1
338	1	2041	0	3744	0	5447	1	7150	0	8853	0
339	1	2042	1	3745	0	5448	1	7151	0	8854	1
340	0	2043	1	3746	1	5449	1	7152	0	8855	0
341	0	2044	1	3747	0	5450	1	7153	1	8856	0
342	1	2045	1	3748	1	5451	1	7154	0	8857	0
343	1	2046	1	3749	0	5452	1	7155	1	8858	1
344	1	2047	1	3750	1	5453	0	7156	1	8859	1
345	1	2048	1	3751	1	5454	0	7157	0	8860	1
346	1	2049	1	3752	0	5455	0	7158	1	8861	0
347	1	2050	0	3753	0	5456	1	7159	1	8862	1
348	1	2051	0	3754	1	5457	0	7160	0	8863	1
349	0	2052	0	3755	1	5458	0	7161	0	8864	0
350	0	2053	0	3756	1	5459	0	7162	0	8865	0
351	1	2054	0	3757	1	5460	1	7163	0	8866	1
352	1	2055	1	3758	1	5461	1	7164	0	8867	1
353	1	2056	1	3759	0	5462	1	7165	1	8868	1
354	1	2057	1	3760	1	5463	1	7166	1	8869	1
355	0	2058	0	3761	1	5464	1	7167	1	8870	1
356	1	2059	1	3762	0	5465	1	7168	0	8871	0
357	0	2060	1	3763	0	5466	1	7169	0	8872	0

358	1	2061	1	3764	0	5467	1	7170	0	8873	1
359	1	2062	0	3765	0	5468	0	7171	1	8874	0
360	0	2063	1	3766	0	5469	0	7172	0	8875	1
361	1	2064	1	3767	0	5470	0	7173	1	8876	0
362	0	2065	1	3768	0	5471	1	7174	0	8877	1
363	0	2066	0	3769	1	5472	0	7175	0	8878	0
364	1	2067	1	3770	0	5473	0	7176	0	8879	1
365	0	2068	0	3771	1	5474	1	7177	0	8880	0
366	1	2069	0	3772	0	5475	0	7178	0	8881	1
367	1	2070	0	3773	0	5476	0	7179	0	8882	0
368	0	2071	1	3774	0	5477	0	7180	0	8883	1
369	0	2072	1	3775	0	5478	0	7181	0	8884	0
370	0	2073	1	3776	0	5479	0	7182	0	8885	0
371	0	2074	1	3777	1	5480	0	7183	0	8886	0
372	0	2075	0	3778	1	5481	1	7184	1	8887	1
373	1	2076	1	3779	1	5482	0	7185	0	8888	1
374	1	2077	1	3780	1	5483	1	7186	1	8889	0
375	1	2078	0	3781	1	5484	0	7187	1	8890	1
376	0	2079	0	3782	0	5485	1	7188	0	8891	0
377	1	2080	1	3783	0	5486	1	7189	1	8892	0
378	0	2081	1	3784	1	5487	0	7190	1	8893	1
379	1	2082	0	3785	1	5488	1	7191	1	8894	1
380	1	2083	0	3786	1	5489	1	7192	0	8895	0
381	0	2084	1	3787	0	5490	1	7193	1	8896	1
382	1	2085	1	3788	1	5491	0	7194	0	8897	0
383	0	2086	0	3789	0	5492	0	7195	0	8898	1
384	1	2087	0	3790	1	5493	1	7196	0	8899	1
385	1	2088	1	3791	1	5494	0	7197	0	8900	1
386	1	2089	1	3792	0	5495	1	7198	1	8901	0
387	0	2090	0	3793	1	5496	1	7199	0	8902	1
388	1	2091	0	3794	0	5497	0	7200	1	8903	0
389	0	2092	1	3795	1	5498	1	7201	0	8904	0
390	1	2093	0	3796	1	5499	1	7202	0	8905	1
391	1	2094	0	3797	1	5500	0	7203	1	8906	1
392	1	2095	0	3798	1	5501	1	7204	0	8907	1
393	1	2096	1	3799	1	5502	1	7205	1	8908	1
394	0	2097	0	3800	0	5503	0	7206	0	8909	0
395	0	2098	1	3801	1	5504	1	7207	1	8910	0
396	0	2099	0	3802	1	5505	1	7208	1	8911	1
397	1	2100	1	3803	1	5506	1	7209	1	8912	0
398	1	2101	0	3804	1	5507	1	7210	0	8913	0
399	0	2102	0	3805	1	5508	0	7211	1	8914	1
400	0	2103	1	3806	1	5509	0	7212	1	8915	1
401	1	2104	0	3807	0	5510	0	7213	1	8916	0

402	1	2105	0	3808	0	5511	0	7214	1	8917	1
403	0	2106	1	3809	0	5512	0	7215	0	8918	1
404	1	2107	1	3810	0	5513	0	7216	1	8919	0
405	1	2108	0	3811	1	5514	0	7217	0	8920	0
406	1	2109	1	3812	0	5515	0	7218	0	8921	0
407	1	2110	1	3813	0	5516	0	7219	0	8922	1
408	0	2111	1	3814	1	5517	1	7220	1	8923	1
409	1	2112	1	3815	0	5518	1	7221	0	8924	1
410	0	2113	1	3816	1	5519	1	7222	1	8925	0
411	0	2114	0	3817	1	5520	1	7223	0	8926	1
412	0	2115	0	3818	0	5521	1	7224	0	8927	1
413	1	2116	0	3819	1	5522	0	7225	1	8928	1
414	0	2117	1	3820	1	5523	1	7226	0	8929	0
415	1	2118	1	3821	1	5524	0	7227	1	8930	0
416	1	2119	0	3822	1	5525	0	7228	0	8931	0
417	0	2120	0	3823	1	5526	0	7229	1	8932	0
418	1	2121	1	3824	1	5527	0	7230	1	8933	1
419	0	2122	1	3825	1	5528	0	7231	1	8934	1
420	0	2123	0	3826	1	5529	0	7232	0	8935	1
421	1	2124	0	3827	1	5530	1	7233	0	8936	1
422	0	2125	0	3828	1	5531	0	7234	1	8937	1
423	0	2126	0	3829	0	5532	0	7235	1	8938	1
424	0	2127	0	3830	1	5533	1	7236	0	8939	0
425	1	2128	1	3831	0	5534	0	7237	0	8940	0
426	0	2129	1	3832	0	5535	0	7238	0	8941	1
427	1	2130	1	3833	0	5536	0	7239	0	8942	1
428	1	2131	1	3834	0	5537	1	7240	0	8943	1
429	0	2132	0	3835	0	5538	0	7241	1	8944	0
430	0	2133	0	3836	0	5539	1	7242	1	8945	0
431	1	2134	0	3837	0	5540	1	7243	1	8946	0
432	0	2135	1	3838	1	5541	1	7244	1	8947	0
433	1	2136	0	3839	0	5542	1	7245	1	8948	1
434	0	2137	0	3840	1	5543	0	7246	1	8949	1
435	1	2138	1	3841	1	5544	1	7247	0	8950	0
436	0	2139	0	3842	1	5545	0	7248	0	8951	1
437	1	2140	1	3843	1	5546	1	7249	0	8952	1
438	0	2141	1	3844	0	5547	0	7250	0	8953	0
439	0	2142	0	3845	1	5548	1	7251	1	8954	1
440	1	2143	1	3846	0	5549	0	7252	0	8955	1
441	0	2144	1	3847	1	5550	1	7253	0	8956	1
442	1	2145	0	3848	1	5551	0	7254	0	8957	1
443	1	2146	0	3849	0	5552	1	7255	1	8958	0
444	0	2147	1	3850	1	5553	0	7256	1	8959	0
445	1	2148	1	3851	0	5554	0	7257	1	8960	0

446	0	2149	0	3852	0	5555	1	7258	1	8961	0
447	0	2150	1	3853	0	5556	1	7259	0	8962	1
448	1	2151	1	3854	1	5557	1	7260	1	8963	0
449	0	2152	1	3855	1	5558	1	7261	1	8964	1
450	0	2153	0	3856	0	5559	1	7262	1	8965	1
451	1	2154	0	3857	0	5560	0	7263	1	8966	1
452	0	2155	1	3858	1	5561	0	7264	1	8967	0
453	1	2156	0	3859	0	5562	0	7265	0	8968	1
454	1	2157	1	3860	1	5563	1	7266	0	8969	1
455	0	2158	0	3861	0	5564	0	7267	0	8970	1
456	1	2159	1	3862	1	5565	1	7268	1	8971	0
457	1	2160	1	3863	1	5566	0	7269	1	8972	0
458	1	2161	0	3864	0	5567	0	7270	1	8973	1
459	1	2162	0	3865	0	5568	1	7271	0	8974	1
460	0	2163	1	3866	0	5569	1	7272	0	8975	0
461	0	2164	0	3867	1	5570	0	7273	1	8976	1
462	1	2165	0	3868	0	5571	1	7274	1	8977	1
463	1	2166	0	3869	1	5572	1	7275	0	8978	0
464	0	2167	0	3870	0	5573	1	7276	0	8979	1
465	0	2168	1	3871	0	5574	1	7277	0	8980	0
466	1	2169	0	3872	0	5575	0	7278	1	8981	1
467	1	2170	0	3873	0	5576	1	7279	0	8982	0
468	0	2171	0	3874	1	5577	1	7280	0	8983	1
469	0	2172	0	3875	1	5578	1	7281	1	8984	1
470	0	2173	0	3876	0	5579	1	7282	0	8985	0
471	1	2174	1	3877	0	5580	1	7283	1	8986	1
472	0	2175	0	3878	1	5581	0	7284	0	8987	0
473	0	2176	1	3879	0	5582	0	7285	0	8988	1
474	1	2177	0	3880	0	5583	0	7286	0	8989	1
475	0	2178	0	3881	1	5584	1	7287	1	8990	1
476	1	2179	1	3882	1	5585	1	7288	1	8991	1
477	1	2180	0	3883	0	5586	1	7289	0	8992	0
478	1	2181	0	3884	0	5587	1	7290	0	8993	0
479	0	2182	1	3885	0	5588	0	7291	1	8994	0
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481	1	2184	1	3887	1	5590	1	7293	1	8996	1
482	0	2185	0	3888	0	5591	0	7294	0	8997	1
483	0	2186	1	3889	1	5592	0	7295	1	8998	0
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487	1	2190	1	3893	0	5596	0	7299	1	9002	0
488	1	2191	1	3894	0	5597	0	7300	0	9003	1
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492	0	2195	0	3898	0	5601	1	7304	0	9007	0
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495	0	2198	1	3901	0	5604	0	7307	1	9010	1
496	0	2199	0	3902	0	5605	1	7308	0	9011	0
497	1	2200	1	3903	1	5606	0	7309	0	9012	0
498	0	2201	1	3904	0	5607	1	7310	1	9013	1
499	0	2202	0	3905	0	5608	0	7311	0	9014	0
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504	0	2207	1	3910	1	5613	0	7316	0	9019	0
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507	1	2210	0	3913	0	5616	1	7319	1	9022	0
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513	1	2216	0	3919	0	5622	1	7325	0	9028	1
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517	0	2220	1	3923	1	5626	1	7329	0	9032	1
518	1	2221	0	3924	1	5627	0	7330	1	9033	0
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521	1	2224	0	3927	1	5630	0	7333	0	9036	1
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523	0	2226	1	3929	0	5632	0	7335	1	9038	0
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525	1	2228	0	3931	1	5634	1	7337	0	9040	1
526	1	2229	1	3932	0	5635	0	7338	0	9041	0
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528	1	2231	1	3934	0	5637	1	7340	1	9043	0
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531	1	2234	1	3937	0	5640	1	7343	1	9046	1
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537	0	2240	1	3943	1	5646	1	7349	0	9052	0
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539	0	2242	1	3945	1	5648	0	7351	0	9054	1
540	0	2243	1	3946	1	5649	1	7352	0	9055	0
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542	0	2245	0	3948	0	5651	0	7354	1	9057	1
543	1	2246	1	3949	0	5652	1	7355	1	9058	1
544	0	2247	1	3950	0	5653	1	7356	0	9059	1
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546	0	2249	0	3952	0	5655	1	7358	0	9061	1
547	1	2250	0	3953	0	5656	1	7359	0	9062	0
548	0	2251	0	3954	0	5657	0	7360	1	9063	1
549	1	2252	0	3955	0	5658	0	7361	1	9064	1
550	0	2253	0	3956	1	5659	0	7362	0	9065	0
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552	1	2255	1	3958	1	5661	0	7364	1	9067	1
553	1	2256	1	3959	0	5662	1	7365	1	9068	0
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556	1	2259	0	3962	0	5665	1	7368	0	9071	0
557	0	2260	0	3963	1	5666	0	7369	0	9072	0
558	1	2261	0	3964	0	5667	1	7370	1	9073	0
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567	0	2270	1	3973	0	5676	0	7379	1	9082	1
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594	1	2297	1	4000	1	5703	0	7406	1	9109	1
595	1	2298	1	4001	1	5704	0	7407	0	9110	1
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598	1	2301	0	4004	0	5707	0	7410	0	9113	1
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619	1	2322	0	4025	0	5728	1	7431	1	9134	1
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656	1	2359	1	4062	0	5765	1	7468	0	9171	1
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688	1	2391	0	4094	0	5797	1	7500	1	9203	1
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707	0	2410	1	4113	0	5816	0	7519	0	9222	0
708	0	2411	1	4114	0	5817	0	7520	1	9223	1
709	0	2412	0	4115	1	5818	1	7521	0	9224	1

710	0	2413	1	4116	0	5819	1	7522	1	9225	1
711	1	2414	0	4117	1	5820	1	7523	0	9226	1
712	1	2415	0	4118	0	5821	1	7524	0	9227	0
713	1	2416	0	4119	1	5822	1	7525	0	9228	1
714	0	2417	1	4120	1	5823	0	7526	0	9229	1
715	0	2418	1	4121	0	5824	0	7527	0	9230	0
716	1	2419	0	4122	1	5825	0	7528	1	9231	0
717	0	2420	1	4123	0	5826	0	7529	0	9232	1
718	1	2421	0	4124	1	5827	1	7530	0	9233	0
719	1	2422	1	4125	0	5828	1	7531	0	9234	0
720	0	2423	1	4126	0	5829	1	7532	1	9235	1
721	0	2424	1	4127	0	5830	1	7533	1	9236	0
722	0	2425	1	4128	0	5831	1	7534	0	9237	0
723	1	2426	1	4129	0	5832	1	7535	0	9238	1
724	0	2427	1	4130	0	5833	1	7536	1	9239	1
725	1	2428	0	4131	1	5834	0	7537	0	9240	1
726	0	2429	0	4132	0	5835	1	7538	0	9241	1
727	0	2430	1	4133	0	5836	1	7539	1	9242	1
728	0	2431	0	4134	0	5837	1	7540	0	9243	0
729	1	2432	0	4135	0	5838	0	7541	1	9244	1
730	1	2433	1	4136	1	5839	0	7542	0	9245	0
731	0	2434	0	4137	1	5840	0	7543	1	9246	0
732	1	2435	0	4138	0	5841	1	7544	1	9247	0
733	0	2436	1	4139	0	5842	0	7545	0	9248	0
734	1	2437	1	4140	1	5843	1	7546	1	9249	1
735	1	2438	1	4141	1	5844	1	7547	1	9250	1
736	0	2439	0	4142	0	5845	0	7548	1	9251	0
737	0	2440	1	4143	1	5846	0	7549	0	9252	0
738	1	2441	1	4144	0	5847	0	7550	0	9253	1
739	1	2442	1	4145	1	5848	1	7551	0	9254	0
740	0	2443	0	4146	1	5849	0	7552	1	9255	0
741	1	2444	0	4147	1	5850	1	7553	0	9256	0
742	1	2445	1	4148	1	5851	0	7554	1	9257	1
743	1	2446	0	4149	0	5852	0	7555	1	9258	1
744	1	2447	0	4150	1	5853	1	7556	0	9259	1
745	0	2448	0	4151	1	5854	1	7557	0	9260	0
746	0	2449	1	4152	0	5855	1	7558	1	9261	0
747	0	2450	1	4153	0	5856	1	7559	1	9262	0
748	1	2451	1	4154	1	5857	0	7560	1	9263	1
749	0	2452	1	4155	0	5858	1	7561	1	9264	0
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751	1	2454	0	4157	1	5860	1	7563	1	9266	0
752	0	2455	0	4158	0	5861	1	7564	0	9267	1
753	1	2456	1	4159	1	5862	1	7565	1	9268	1

754	1	2457	1	4160	0	5863	1	7566	0	9269	1
755	1	2458	1	4161	0	5864	0	7567	1	9270	1
756	1	2459	1	4162	1	5865	0	7568	0	9271	0
757	0	2460	1	4163	0	5866	1	7569	1	9272	0
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759	1	2462	0	4165	1	5868	0	7571	0	9274	1
760	1	2463	0	4166	1	5869	0	7572	1	9275	0
761	0	2464	1	4167	1	5870	1	7573	0	9276	1
762	1	2465	0	4168	0	5871	0	7574	1	9277	1
763	1	2466	0	4169	0	5872	1	7575	1	9278	0
764	0	2467	0	4170	0	5873	0	7576	1	9279	0
765	1	2468	1	4171	0	5874	1	7577	1	9280	0
766	1	2469	1	4172	1	5875	1	7578	1	9281	1
767	1	2470	1	4173	0	5876	1	7579	1	9282	0
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769	0	2472	0	4175	0	5878	1	7581	0	9284	0
770	1	2473	0	4176	1	5879	1	7582	0	9285	0
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773	1	2476	1	4179	1	5882	0	7585	1	9288	0
774	1	2477	1	4180	0	5883	1	7586	1	9289	0
775	0	2478	0	4181	0	5884	1	7587	0	9290	0
776	0	2479	0	4182	1	5885	0	7588	0	9291	0
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778	1	2481	1	4184	1	5887	0	7590	0	9293	1
779	0	2482	0	4185	1	5888	0	7591	0	9294	0
780	1	2483	1	4186	1	5889	1	7592	1	9295	1
781	1	2484	0	4187	1	5890	0	7593	1	9296	1
782	0	2485	1	4188	1	5891	0	7594	1	9297	1
783	1	2486	1	4189	1	5892	0	7595	1	9298	0
784	1	2487	0	4190	1	5893	1	7596	1	9299	0
785	0	2488	1	4191	1	5894	0	7597	0	9300	1
786	0	2489	0	4192	0	5895	0	7598	0	9301	0
787	1	2490	1	4193	0	5896	1	7599	1	9302	1
788	1	2491	0	4194	1	5897	1	7600	0	9303	0
789	1	2492	0	4195	1	5898	0	7601	1	9304	1
790	0	2493	1	4196	1	5899	0	7602	1	9305	0
791	1	2494	1	4197	0	5900	1	7603	1	9306	0
792	1	2495	0	4198	1	5901	0	7604	0	9307	0
793	1	2496	1	4199	0	5902	1	7605	0	9308	1
794	0	2497	0	4200	0	5903	0	7606	0	9309	1
795	0	2498	1	4201	0	5904	0	7607	0	9310	0
796	1	2499	1	4202	1	5905	1	7608	0	9311	1
797	0	2500	1	4203	0	5906	0	7609	1	9312	0

798	0	2501	1	4204	0	5907	1	7610	0	9313	1
799	1	2502	1	4205	1	5908	1	7611	1	9314	1
800	0	2503	0	4206	1	5909	1	7612	0	9315	1
801	0	2504	0	4207	0	5910	0	7613	1	9316	1
802	0	2505	0	4208	0	5911	1	7614	0	9317	0
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804	1	2507	1	4210	1	5913	1	7616	0	9319	1
805	0	2508	0	4211	1	5914	0	7617	0	9320	1
806	1	2509	1	4212	1	5915	0	7618	0	9321	0
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809	1	2512	1	4215	0	5918	1	7621	1	9324	0
810	1	2513	1	4216	1	5919	0	7622	0	9325	0
811	0	2514	1	4217	1	5920	1	7623	1	9326	0
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813	1	2516	1	4219	1	5922	0	7625	1	9328	1
814	1	2517	1	4220	1	5923	0	7626	1	9329	0
815	0	2518	0	4221	0	5924	0	7627	0	9330	1
816	1	2519	1	4222	0	5925	1	7628	1	9331	1
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818	0	2521	1	4224	0	5927	0	7630	1	9333	0
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821	0	2524	0	4227	1	5930	0	7633	0	9336	1
822	0	2525	1	4228	0	5931	1	7634	0	9337	0
823	0	2526	0	4229	1	5932	1	7635	1	9338	0
824	0	2527	1	4230	1	5933	0	7636	0	9339	1
825	0	2528	1	4231	1	5934	0	7637	1	9340	1
826	0	2529	0	4232	1	5935	1	7638	1	9341	0
827	1	2530	1	4233	0	5936	1	7639	0	9342	0
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830	0	2533	0	4236	1	5939	1	7642	1	9345	1
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833	1	2536	1	4239	0	5942	0	7645	1	9348	0
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836	0	2539	0	4242	0	5945	0	7648	1	9351	0
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838	0	2541	1	4244	0	5947	0	7650	0	9353	0
839	1	2542	1	4245	0	5948	0	7651	1	9354	1
840	0	2543	1	4246	1	5949	0	7652	0	9355	1
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846	0	2549	0	4252	1	5955	0	7658	0	9361	0
847	0	2550	0	4253	1	5956	0	7659	1	9362	1
848	0	2551	0	4254	1	5957	1	7660	1	9363	0
849	1	2552	0	4255	0	5958	0	7661	0	9364	0
850	1	2553	1	4256	1	5959	1	7662	0	9365	0
851	0	2554	0	4257	0	5960	0	7663	1	9366	1
852	0	2555	1	4258	1	5961	1	7664	1	9367	0
853	0	2556	1	4259	1	5962	0	7665	1	9368	1
854	1	2557	0	4260	0	5963	0	7666	1	9369	1
855	0	2558	0	4261	1	5964	1	7667	1	9370	1
856	0	2559	1	4262	0	5965	1	7668	1	9371	1
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859	1	2562	0	4265	0	5968	0	7671	1	9374	1
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862	0	2565	1	4268	0	5971	1	7674	1	9377	1
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865	0	2568	0	4271	0	5974	1	7677	1	9380	1
866	1	2569	1	4272	0	5975	1	7678	1	9381	1
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868	0	2571	1	4274	0	5977	1	7680	1	9383	0
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870	0	2573	0	4276	1	5979	1	7682	0	9385	1
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873	1	2576	1	4279	1	5982	1	7685	0	9388	1
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876	1	2579	1	4282	0	5985	0	7688	1	9391	0
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879	1	2582	1	4285	0	5988	0	7691	1	9394	1
880	0	2583	0	4286	0	5989	1	7692	0	9395	0
881	0	2584	0	4287	0	5990	1	7693	0	9396	1
882	1	2585	0	4288	0	5991	0	7694	1	9397	0
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884	1	2587	1	4290	0	5993	0	7696	0	9399	0
885	0	2588	0	4291	1	5994	0	7697	1	9400	1

886	1	2589	1	4292	0	5995	1	7698	0	9401	1
887	1	2590	0	4293	0	5996	0	7699	0	9402	1
888	1	2591	0	4294	1	5997	0	7700	0	9403	0
889	1	2592	1	4295	1	5998	1	7701	1	9404	1
890	0	2593	0	4296	0	5999	0	7702	0	9405	1
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892	0	2595	0	4298	1	6001	0	7704	0	9407	0
893	1	2596	1	4299	0	6002	1	7705	0	9408	0
894	1	2597	0	4300	0	6003	0	7706	0	9409	1
895	1	2598	1	4301	1	6004	0	7707	0	9410	1
896	1	2599	1	4302	1	6005	0	7708	1	9411	1
897	0	2600	0	4303	1	6006	0	7709	0	9412	1
898	0	2601	1	4304	0	6007	0	7710	0	9413	0
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900	0	2603	1	4306	0	6009	0	7712	0	9415	0
901	1	2604	1	4307	1	6010	1	7713	0	9416	0
902	1	2605	0	4308	1	6011	1	7714	0	9417	1
903	1	2606	1	4309	1	6012	0	7715	0	9418	0
904	1	2607	0	4310	0	6013	0	7716	0	9419	1
905	0	2608	1	4311	0	6014	1	7717	1	9420	1
906	0	2609	1	4312	0	6015	0	7718	0	9421	1
907	0	2610	1	4313	1	6016	0	7719	1	9422	0
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919	0	2622	1	4325	0	6028	1	7731	0	9434	1
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922	1	2625	0	4328	1	6031	1	7734	0	9437	1
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927	1	2630	1	4333	1	6036	1	7739	1	9442	1
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933	1	2636	1	4339	0	6042	1	7745	0	9448	0
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937	0	2640	0	4343	1	6046	1	7749	0	9452	1
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940	1	2643	1	4346	1	6049	1	7752	0	9455	1
941	1	2644	1	4347	0	6050	1	7753	1	9456	0
942	1	2645	1	4348	0	6051	0	7754	0	9457	1
943	1	2646	1	4349	1	6052	0	7755	0	9458	0
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960	0	2663	0	4366	0	6069	1	7772	1	9475	0
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966	1	2669	0	4372	0	6075	0	7778	1	9481	0
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969	1	2672	0	4375	0	6078	1	7781	1	9484	0
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971	0	2674	1	4377	1	6080	1	7783	1	9486	0
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974	0	2677	0	4380	1	6083	0	7786	1	9489	0
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976	1	2679	0	4382	0	6085	1	7788	0	9491	0
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984	1	2687	1	4390	0	6093	1	7796	0	9499	1
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987	0	2690	0	4393	1	6096	0	7799	0	9502	0
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993	1	2696	1	4399	0	6102	0	7805	1	9508	0
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995	0	2698	0	4401	0	6104	1	7807	1	9510	0
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997	1	2700	0	4403	0	6106	0	7809	1	9512	1
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1001	0	2704	1	4407	1	6110	1	7813	1	9516	1
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1004	1	2707	0	4410	0	6113	1	7816	1	9519	1
1005	0	2708	1	4411	0	6114	0	7817	1	9520	1
1006	1	2709	0	4412	0	6115	0	7818	1	9521	1
1007	0	2710	0	4413	1	6116	1	7819	1	9522	0
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1240	1	2943	1	4646	1	6349	1	8052	1	9755	0
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1242	0	2945	1	4648	1	6351	0	8054	1	9757	0
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1246	0	2949	1	4652	1	6355	0	8058	0	9761	1
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1256	0	2959	1	4662	0	6365	1	8068	0	9771	1
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1258	1	2961	1	4664	1	6367	1	8070	1	9773	0
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1261	0	2964	0	4667	1	6370	0	8073	1	9776	1
1262	1	2965	0	4668	0	6371	1	8074	1	9777	0
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1268	1	2971	1	4674	0	6377	1	8080	0	9783	0
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1276	1	2979	0	4682	1	6385	1	8088	1	9791	1
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1336	1	3039	0	4742	1	6445	0	8148	1	9851	0
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1339	0	3042	0	4745	0	6448	1	8151	1	9854	0
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1552	0	3255	1	4958	0	6661	1	8364	1	10067	1
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