

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

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

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{18} + z^{14} + z^{13} + z^{11} + z^9 + z^8 + z^4 + z^3 + z^2 + 1, \\ p_1(z) &= z^{26} + z^{23} + z^{22} + z^{20} + z^{18} + z^{16} + z^{15} + z^{13} + z^{11} + z^5 + z^4 + z^2, \\ p_2(z) &= z^{28} + z^{18} + z^{14} + z^{12} + z^{10} + z^8 + z^4, \\ p_3(z) &= z^{26} + z^{23} + z^{22} + z^{20} + z^{18} + z^{16} + z^{15} + z^{13} + z^{11} + z^5 + z^4 + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{16} + z^{13} + z^{12} + z^{11} + z^{10} + z^9 + z^4 + z^3 + z^2, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{18} + z^{16} + z^{14} + z^{13} + z^{12} + z^{11} + z^9 + z^3 + z^2, \\ p_1(z) &= z^{26} + z^{23} + z^{22} + z^{20} + z^{18} + z^{16} + z^{15} + z^{13} + z^{11} + z^5 + z^4 + z^2, \\ p_2(z) &= z^{28} + z^{18} + z^{14} + z^{12} + z^{10} + z^8 + z^4, \\ p_3(z) &= z^{26} + z^{23} + z^{22} + z^{20} + z^{18} + z^{16} + z^{15} + z^{13} + z^{11} + z^5 + z^4 + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{20} + z^{13} + z^{11} + z^{10} + z^9 + z^8 + z^3 + z^2 + 1. \end{aligned}$$

2. PROOF

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

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

By the basic properties of continued fractions, we have

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

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

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

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

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

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

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

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

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

for some positive integer d_n . Hence,

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

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

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

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

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

of the vector

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

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

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

Lemma 2.1. *We have*

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

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

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

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

Proof. We give the proof of the identity

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

the proofs of the others being similar.

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

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

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

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

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

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

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

Define

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

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

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

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

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

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

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

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

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

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

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

which can be rewritten as

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

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

$$(2.9) \quad 0 = T[[10w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1001w]_2],$$

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

$$(2.11) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[1011w]_2], \\ 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] \end{aligned}$$

$$(2.12) \quad \begin{aligned} &+ T[[1100w]_2], \\ 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] \end{aligned}$$

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

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

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

$$(2.15) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[101w]_2] + T[[1000w]_2],$$

$$(2.16) \quad 0 = T[[10w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1001w]_2],$$

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

$$(2.18) \quad \begin{aligned} 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[1011w]_2], \\ 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] \end{aligned}$$

$$(2.19) \quad \begin{aligned} &+ T[[1100w]_2], \\ 0 &= T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] \end{aligned}$$

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

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 9817 states; its transition function and output function can be found in the annex. Let $A(s, w)$ denote the state reached after reading w from right to left starting from the state s , and τ the output function. Define

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

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

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

$$(2.22) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 1000)),$$

$$(2.23) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 1001)),$$

$$\begin{aligned}
(2.24) \quad & 0 = \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\
& \quad + \tau(A(s, 110)) + \tau(A(s, 1010)), \\
(2.25) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) \\
& \quad + \tau(A(s, 1011)), \\
(2.26) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\
& \quad + \tau(A(s, 1100)), \\
(2.27) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
& \quad + \tau(A(s, 110)) + \tau(A(s, 1101)),
\end{aligned}$$

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

$$\begin{aligned}
(2.28) \quad & 0 = \tau(A(s, 1)) + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 111)), \\
(2.29) \quad & 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 1000)), \\
(2.30) \quad & 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 1001)), \\
& \quad 0 = \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\
(2.31) \quad & \quad + \tau(A(s, 110)) + \tau(A(s, 1010)), \\
& \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) \\
(2.32) \quad & \quad + \tau(A(s, 1011)), \\
& \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\
(2.33) \quad & \quad + \tau(A(s, 1100)), \\
& \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
(2.34) \quad & \quad + \tau(A(s, 110)) + \tau(A(s, 1101)),
\end{aligned}$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{54}), E_{54}) = (A(i, 0^{30}), E_{30})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 27$, 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 $u = 2^{2k-1}$,*

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

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

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

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

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

We give the proof of

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Define

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

where

$$\begin{aligned}
q_0(x) &= x^{28} + x^{26} + x^{25} + x^{24} + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{10} + x^7, \\
q_1(x) &= x^{26} + x^{24} + x^{23} + x^{17} + x^{15} + x^{13} + x^{12} + x^{10} + x^8 + x^6 + x^5 + x^2, \\
q_2(x) &= x^{24} + x^{20} + x^{18} + x^{16} + x^{14} + x^{10} + 1, \\
q_3(x) &= x^{26} + x^{24} + x^{23} + x^{17} + x^{15} + x^{13} + x^{12} + x^{10} + x^8 + x^6 + x^5 + x^2, \\
q_4(x) &= x^{26} + x^{25} + x^{24} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{12} + x^7 + x^4.
\end{aligned}$$

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{150} + x^{146} + x^{144} + x^{142} + x^{140} + x^{134} + x^{128} + x^{124} \\
&\quad + x^{122} + x^{120} + x^{114} + x^{106} + x^{104} + x^{102} + x^{88} + x^{84} + x^{80} + x^{78} \\
&\quad + x^{74} + x^{60} + x^{58} + x^{56} + x^{54} + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} + x^{36} \\
&\quad + x^{30} + x^{24}, \\
p_3(x) &= x^{150} + x^{148} + x^{144} + x^{142} + x^{136} + x^{130} + x^{128} + x^{126} + x^{114} + x^{106} \\
&\quad + x^{100} + x^{98} + x^{96} + x^{94} + x^{88} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{66} \\
&\quad + x^{64} + x^{58} + x^{54} + x^{50} + x^{48} + x^{46} + x^{34} + x^{24} + x^{20} + x^{18} + x^{16}, \\
p_6(x) &= x^{150} + x^{146} + x^{142} + x^{140} + x^{136} + x^{130} + x^{128} + x^{122} + x^{120} + x^{108} \\
&\quad + x^{102} + x^{100} + x^{98} + x^{96} + x^{94} + x^{92} + x^{88} + x^{84} + x^{72} + x^{68} + x^{56} \\
&\quad + x^{52} + x^{50} + x^{46} + x^{40} + x^{36} + x^{32} + x^{30} + x^{24} + x^{16} + x^{14} + x^{10} \\
&\quad + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{144} + x^{142} + x^{130} + x^{128} + x^{122} + x^{120} + x^{118} + x^{114} \\
&\quad + x^{112} + x^{106} + x^{100} + x^{94} + x^{90} + x^{84} + x^{80} + x^{76} + x^{72} + x^{70} + x^{68} \\
&\quad + x^{64} + x^{60} + x^{50} + x^{46} + x^{44} + x^{40} + x^{36} + x^{34} + x^{32} + x^{30} + x^{28} \\
&\quad + x^{26} + x^{16} + x^{12} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{144} + x^{136} + x^{120} + x^{104} + x^{96} + x^{88} + x^{80} + x^{64} + x^{40} + x^{24} \\
&\quad + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{143} + x^{141} + x^{140} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} \\
&\quad + x^{133} + x^{131} + x^{129} + x^{128} + x^{127} + x^{125} + x^{124} + x^{117} + x^{115} \\
&\quad + x^{113} + x^{108} + x^{104} + x^{103} + x^{99} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} \\
&\quad + x^{92} + x^{91} + x^{86} + x^{85} + x^{81} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} \\
&\quad + x^{69} + x^{68} + x^{66} + x^{61} + x^{59} + x^{56} + x^{55} + x^{53} + x^{52} + x^{50} + x^{47} \\
&\quad + x^{46} + x^{44} + x^{41} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{140} + x^{135} + x^{134} + x^{133} + x^{132} + x^{127} + x^{126} \\
&\quad + x^{125} + x^{124} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{111} \\
&\quad + x^{110} + x^{109} + x^{108} + x^{95} + x^{94} + x^{93} + x^{92} + x^{83} + x^{82} + x^{75} + x^{74} \\
&\quad + x^{67} + x^{66} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{51} + x^{50} + x^{43} \\
&\quad + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{31} + x^{30} + x^{29} + x^{28} + x^{23} + x^{22} \\
&\quad + x^{21} + x^{20} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{140} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{129} \\
&\quad + x^{127} + x^{126} + x^{123} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} \\
&\quad + x^{114} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{104} + x^{100} + x^{97} + x^{95} \\
&\quad + x^{93} + x^{92} + x^{87} + x^{86} + x^{84} + x^{81} + x^{78} + x^{77} + x^{72} + x^{71} + x^{70} \\
&\quad + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} + x^{55} + x^{54} + x^{53} + x^{50} + x^{48} + x^{47} \\
&\quad + x^{45} + x^{44} + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{27} + x^{26} + x^{25} \\
&\quad + x^{22} + x^{20} + x^{19} + x^{14} + x^{13} + x^{12}, \\
p_9(x) &= x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{131} + x^{130} + x^{121} + x^{120} \\
&\quad + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} + x^{111} \\
&\quad + x^{110} + x^{109} + x^{108} + x^{101} + x^{100} + x^{99} + x^{98} + x^{93} + x^{92} + x^{81} \\
&\quad + x^{80} + x^{75} + x^{74} + x^{63} + x^{62} + x^{51} + x^{50} + x^{49} + x^{48} + x^{39} + x^{38} \\
&\quad + x^{35} + x^{34} + x^{33} + x^{32} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{15} \\
&\quad + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) &= x^{137} + x^{136} + x^{134} + x^{130} + x^{129} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
&\quad + x^{120} + x^{109} + x^{108} + x^{106} + x^{102} + x^{98} + x^{97} + x^{96} + x^{73} + x^{72} \\
&\quad + x^{70} + x^{66} + x^{65} + x^{64} + x^{61} + x^{60} + x^{58} + x^{54} + x^{50} + x^{49} + x^{48} \\
&\quad + x^{41} + x^{40} + x^{38} + x^{34} + x^{33} + x^{32} + x^{29} + x^{28} + x^{26} + x^{25} + x^{24} \\
&\quad + x^{13} + x^{12} + x^{10} + x^6 + x^2 + x + 1,
\end{aligned}$$

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

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

$$p_0(x) = x^{147} + x^{144} + x^{143} + x^{141} + x^{140} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134}$$

$$\begin{aligned}
& + x^{133} + x^{131} + x^{129} + x^{128} + x^{127} + x^{125} + x^{124} + x^{117} + x^{115} \\
& + x^{113} + x^{108} + x^{104} + x^{103} + x^{99} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} \\
& + x^{92} + x^{91} + x^{86} + x^{85} + x^{81} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{71} \\
& + x^{69} + x^{68} + x^{66} + x^{61} + x^{59} + x^{56} + x^{55} + x^{53} + x^{52} + x^{50} + x^{47} \\
& + x^{46} + x^{44} + x^{41} + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{143} + x^{142} + x^{141} + x^{140} + x^{135} + x^{134} + x^{133} + x^{132} + x^{127} + x^{126} \\
& + x^{125} + x^{124} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{95} + x^{94} + x^{93} + x^{92} + x^{83} + x^{82} + x^{75} + x^{74} \\
& + x^{67} + x^{66} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{51} + x^{50} + x^{43} \\
& + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{31} + x^{30} + x^{29} + x^{28} + x^{23} + x^{22} \\
& + x^{21} + x^{20} + x^{19} + x^{18}, \\
p_6(x) = & x^{141} + x^{140} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{129} \\
& + x^{127} + x^{126} + x^{123} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} \\
& + x^{114} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{104} + x^{100} + x^{97} + x^{95} \\
& + x^{93} + x^{92} + x^{87} + x^{86} + x^{84} + x^{81} + x^{78} + x^{77} + x^{72} + x^{71} + x^{70} \\
& + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} + x^{55} + x^{54} + x^{53} + x^{50} + x^{48} + x^{47} \\
& + x^{45} + x^{44} + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{27} + x^{26} + x^{25} \\
& + x^{22} + x^{20} + x^{19} + x^{14} + x^{13} + x^{12}, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{131} + x^{130} + x^{121} + x^{120} \\
& + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{101} + x^{100} + x^{99} + x^{98} + x^{93} + x^{92} + x^{81} \\
& + x^{80} + x^{75} + x^{74} + x^{63} + x^{62} + x^{51} + x^{50} + x^{49} + x^{48} + x^{39} + x^{38} \\
& + x^{35} + x^{34} + x^{33} + x^{32} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{15} \\
& + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{134} + x^{130} + x^{129} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
& + x^{120} + x^{109} + x^{108} + x^{106} + x^{102} + x^{98} + x^{97} + x^{96} + x^{73} + x^{72} \\
& + x^{70} + x^{66} + x^{65} + x^{64} + x^{61} + x^{60} + x^{58} + x^{54} + x^{50} + x^{49} + x^{48} \\
& + x^{41} + x^{40} + x^{38} + x^{34} + x^{33} + x^{32} + x^{29} + x^{28} + x^{26} + x^{25} + x^{24} \\
& + x^{13} + x^{12} + x^{10} + x^6 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{138} + x^{136} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} + x^{122} + x^{120} + x^{116} \\
& + x^{114} + x^{110} + x^{106} + x^{104} + x^{98} + x^{96} + x^{94} + x^{88} + x^{86} + x^{84} \\
& + x^{80} + x^{74} + x^{68} + x^{66} + x^{64} + x^{62} + x^{60} + x^{52} + x^{50} + x^{48} + x^{46} \\
& + x^{44} + x^{42},
\end{aligned}$$

$$\begin{aligned}
p_3(x) &= x^{126} + x^{124} + x^{122} + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{100} + x^{98} \\
&\quad + x^{96} + x^{94} + x^{92} + x^{88} + x^{84} + x^{82} + x^{78} + x^{76} + x^{74} + x^{64} + x^{54} \\
&\quad + x^{50} + x^{48} + x^{46} + x^{40} + x^{34} + x^{28} + x^{26} + x^{20} + x^{18} + x^{14} + x^{12}, \\
p_6(x) &= x^{126} + x^{124} + x^{120} + x^{118} + x^{114} + x^{110} + x^{106} + x^{94} + x^{88} + x^{84} \\
&\quad + x^{82} + x^{74} + x^{70} + x^{68} + x^{66} + x^{62} + x^{58} + x^{56} + x^{50} + x^{48} + x^{46} \\
&\quad + x^{44} + x^{42} + x^{34} + x^{30} + x^{24} + x^{22} + x^{16} + x^{14} + x^6 + x^2 + 1, \\
p_9(x) &= x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{106} + x^{104} + x^{100} + x^{96} \\
&\quad + x^{84} + x^{76} + x^{74} + x^{70} + x^{66} + x^{62} + x^{58} + x^{46} + x^{44} + x^{36} + x^{30} \\
&\quad + x^{26} + x^{20} + x^{18} + x^{16} + x^{12} + x^6 + x^4, \\
p_{12}(x) &= x^{122} + x^{120} + x^{116} + x^{114} + x^{112} + x^{106} + x^{104} + x^{100} + x^{98} + x^{96} \\
&\quad + x^{58} + x^{56} + x^{52} + x^{50} + x^{48} + x^{26} + x^{24} + x^{20} + x^{18} + x^{16} + x^{10} \\
&\quad + x^8 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{136} + x^{134} + x^{132} + x^{126} + x^{124} + x^{122} + x^{120} + x^{118} + x^{114} \\
&\quad + x^{98} + x^{96} + x^{94} + x^{90} + x^{86} + x^{84} + x^{78} + x^{74} + x^{72} + x^{70} + x^{66} \\
&\quad + x^{62} + x^{60} + x^{46} + x^{40} + x^{38} + x^{36} + x^{30} + x^{28} + x^{26} + x^{24}, \\
p_3(x) &= x^{126} + x^{124} + x^{122} + x^{118} + x^{112} + x^{110} + x^{108} + x^{106} + x^{100} + x^{94} \\
&\quad + x^{92} + x^{88} + x^{84} + x^{80} + x^{74} + x^{70} + x^{68} + x^{64} + x^{54} + x^{46} + x^{42} \\
&\quad + x^{34} + x^{28} + x^{24} + x^{22} + x^{16}, \\
p_6(x) &= x^{126} + x^{124} + x^{120} + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{102} + x^{96} \\
&\quad + x^{92} + x^{88} + x^{84} + x^{80} + x^{74} + x^{72} + x^{66} + x^{64} + x^{62} + x^{56} + x^{54} \\
&\quad + x^{46} + x^{40} + x^{36} + x^{34} + x^{22} + x^{16} + x^{10} + x^8 + x^6 + x^2 + 1, \\
p_9(x) &= x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{106} + x^{104} + x^{100} + x^{96} \\
&\quad + x^{84} + x^{76} + x^{74} + x^{70} + x^{66} + x^{62} + x^{58} + x^{46} + x^{44} + x^{36} + x^{30} \\
&\quad + x^{26} + x^{20} + x^{18} + x^{16} + x^{12} + x^6 + x^4, \\
p_{12}(x) &= x^{122} + x^{120} + x^{116} + x^{114} + x^{112} + x^{106} + x^{104} + x^{100} + x^{98} + x^{96} \\
&\quad + x^{58} + x^{56} + x^{52} + x^{50} + x^{48} + x^{26} + x^{24} + x^{20} + x^{18} + x^{16} + x^{10} \\
&\quad + x^8 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{140} + x^{138} + x^{134} + x^{132} + x^{131} + x^{129} + x^{127} \\
&\quad + x^{126} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} \\
&\quad + x^{113} + x^{108} + x^{105} + x^{104} + x^{102} + x^{97} + x^{92} + x^{89} + x^{87} + x^{85} \\
&\quad + x^{82} + x^{81} + x^{80} + x^{79} + x^{77} + x^{75} + x^{74} + x^{71} + x^{70} + x^{69} + x^{68}
\end{aligned}$$

$$\begin{aligned}
& + x^{66} + x^{65} + x^{62} + x^{60} + x^{59} + x^{58} + x^{57} + x^{55} + x^{53} + x^{50} + x^{49} \\
& + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} + x^{38} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{143} + x^{142} + x^{141} + x^{140} + x^{135} + x^{134} + x^{133} + x^{132} + x^{127} + x^{126} \\
& + x^{125} + x^{124} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{95} + x^{94} + x^{93} + x^{92} + x^{83} + x^{82} + x^{75} + x^{74} \\
& + x^{67} + x^{66} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{51} + x^{50} + x^{43} \\
& + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{31} + x^{30} + x^{29} + x^{28} + x^{23} + x^{22} \\
& + x^{21} + x^{20} + x^{19} + x^{18}, \\
p_6(x) = & x^{141} + x^{140} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{129} \\
& + x^{127} + x^{126} + x^{123} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} \\
& + x^{114} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{104} + x^{100} + x^{97} + x^{95} \\
& + x^{93} + x^{92} + x^{87} + x^{86} + x^{84} + x^{81} + x^{78} + x^{77} + x^{72} + x^{71} + x^{70} \\
& + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} + x^{55} + x^{54} + x^{53} + x^{50} + x^{48} + x^{47} \\
& + x^{45} + x^{44} + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{27} + x^{26} + x^{25} \\
& + x^{22} + x^{20} + x^{19} + x^{14} + x^{13} + x^{12}, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{131} + x^{130} + x^{121} + x^{120} \\
& + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{101} + x^{100} + x^{99} + x^{98} + x^{93} + x^{92} + x^{81} \\
& + x^{80} + x^{75} + x^{74} + x^{63} + x^{62} + x^{51} + x^{50} + x^{49} + x^{48} + x^{39} + x^{38} \\
& + x^{35} + x^{34} + x^{33} + x^{32} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{15} \\
& + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{134} + x^{130} + x^{129} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
& + x^{120} + x^{109} + x^{108} + x^{106} + x^{102} + x^{98} + x^{97} + x^{96} + x^{73} + x^{72} \\
& + x^{70} + x^{66} + x^{65} + x^{64} + x^{61} + x^{60} + x^{58} + x^{54} + x^{50} + x^{49} + x^{48} \\
& + x^{41} + x^{40} + x^{38} + x^{34} + x^{33} + x^{32} + x^{29} + x^{28} + x^{26} + x^{25} + x^{24} \\
& + x^{13} + x^{12} + x^{10} + x^6 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{143} + x^{140} + x^{138} + x^{134} + x^{132} + x^{131} + x^{129} + x^{127} \\
& + x^{126} + x^{125} + x^{122} + x^{120} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} \\
& + x^{113} + x^{108} + x^{105} + x^{104} + x^{102} + x^{97} + x^{92} + x^{89} + x^{87} + x^{85} \\
& + x^{82} + x^{81} + x^{80} + x^{79} + x^{77} + x^{75} + x^{74} + x^{71} + x^{70} + x^{69} + x^{68} \\
& + x^{66} + x^{65} + x^{62} + x^{60} + x^{59} + x^{58} + x^{57} + x^{55} + x^{53} + x^{50} + x^{49} \\
& + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} + x^{38} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{143} + x^{142} + x^{141} + x^{140} + x^{135} + x^{134} + x^{133} + x^{132} + x^{127} + x^{126}
\end{aligned}$$

$$\begin{aligned}
& + x^{125} + x^{124} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{95} + x^{94} + x^{93} + x^{92} + x^{83} + x^{82} + x^{75} + x^{74} \\
& + x^{67} + x^{66} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{51} + x^{50} + x^{43} \\
& + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{31} + x^{30} + x^{29} + x^{28} + x^{23} + x^{22} \\
& + x^{21} + x^{20} + x^{19} + x^{18}, \\
p_6(x) = & x^{141} + x^{140} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{129} \\
& + x^{127} + x^{126} + x^{123} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} \\
& + x^{114} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{104} + x^{100} + x^{97} + x^{95} \\
& + x^{93} + x^{92} + x^{87} + x^{86} + x^{84} + x^{81} + x^{78} + x^{77} + x^{72} + x^{71} + x^{70} \\
& + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} + x^{55} + x^{54} + x^{53} + x^{50} + x^{48} + x^{47} \\
& + x^{45} + x^{44} + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{27} + x^{26} + x^{25} \\
& + x^{22} + x^{20} + x^{19} + x^{14} + x^{13} + x^{12}, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{131} + x^{130} + x^{121} + x^{120} \\
& + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} + x^{112} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{101} + x^{100} + x^{99} + x^{98} + x^{93} + x^{92} + x^{81} \\
& + x^{80} + x^{75} + x^{74} + x^{63} + x^{62} + x^{51} + x^{50} + x^{49} + x^{48} + x^{39} + x^{38} \\
& + x^{35} + x^{34} + x^{33} + x^{32} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{15} \\
& + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{134} + x^{130} + x^{129} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
& + x^{120} + x^{109} + x^{108} + x^{106} + x^{102} + x^{98} + x^{97} + x^{96} + x^{73} + x^{72} \\
& + x^{70} + x^{66} + x^{65} + x^{64} + x^{61} + x^{60} + x^{58} + x^{54} + x^{50} + x^{49} + x^{48} \\
& + x^{41} + x^{40} + x^{38} + x^{34} + x^{33} + x^{32} + x^{29} + x^{28} + x^{26} + x^{25} + x^{24} \\
& + x^{13} + x^{12} + x^{10} + x^6 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{154} + x^{152} + x^{150} + x^{142} + x^{136} + x^{130} + x^{128} + x^{126} + x^{120} \\
& + x^{114} + x^{112} + x^{106} + x^{104} + x^{100} + x^{96} + x^{94} + x^{92} + x^{84} + x^{82} \\
& + x^{80} + x^{76} + x^{72} + x^{70} + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{54} + x^{46} \\
& + x^{44} + x^{42}, \\
p_3(x) = & x^{150} + x^{140} + x^{134} + x^{132} + x^{128} + x^{126} + x^{122} + x^{114} + x^{112} + x^{110} \\
& + x^{108} + x^{106} + x^{104} + x^{102} + x^{96} + x^{94} + x^{90} + x^{88} + x^{74} + x^{70} \\
& + x^{68} + x^{64} + x^{54} + x^{50} + x^{44} + x^{40} + x^{38} + x^{32} + x^{30} + x^{26} + x^{24} \\
& + x^{20} + x^{16} + x^{12}, \\
p_6(x) = & x^{150} + x^{148} + x^{146} + x^{134} + x^{124} + x^{112} + x^{110} + x^{104} + x^{100} + x^{94} \\
& + x^{90} + x^{84} + x^{80} + x^{78} + x^{76} + x^{70} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58}
\end{aligned}$$

$$\begin{aligned}
& + x^{52} + x^{50} + x^{48} + x^{44} + x^{38} + x^{34} + x^{28} + x^{26} + x^{24} + x^{20} + x^{18} \\
& + x^{14} + x^{12} + x^{10} + x^8 + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{144} + x^{142} + x^{130} + x^{128} + x^{122} + x^{120} + x^{118} + x^{114} \\
& + x^{112} + x^{106} + x^{100} + x^{94} + x^{90} + x^{84} + x^{80} + x^{76} + x^{72} + x^{70} + x^{68} \\
& + x^{64} + x^{60} + x^{50} + x^{46} + x^{44} + x^{40} + x^{36} + x^{34} + x^{32} + x^{30} + x^{28} \\
& + x^{26} + x^{16} + x^{12} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{144} + x^{136} + x^{120} + x^{104} + x^{96} + x^{88} + x^{80} + x^{64} + x^{40} + x^{24} \\
& + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{140} + x^{137} + x^{136} + x^{135} + x^{131} + x^{130} + x^{128} + x^{125} \\
& + x^{124} + x^{123} + x^{122} + x^{121} + x^{117} + x^{115} + x^{113} + x^{111} + x^{110} \\
& + x^{104} + x^{103} + x^{102} + x^{101} + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} \\
& + x^{90} + x^{88} + x^{85} + x^{84} + x^{83} + x^{81} + x^{75} + x^{73} + x^{72} + x^{70} + x^{69} \\
& + x^{68} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} \\
& + x^{50} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{42} + x^{40} + x^{39} + x^{35} + x^{34} \\
& + x^{32} + x^{30} + x^{29} + x^{28} + x^{26} + x^{25} + x^{24}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{134} + x^{131} \\
& + x^{129} + x^{126} + x^{122} + x^{119} + x^{118} + x^{117} + x^{116} + x^{110} + x^{108} \\
& + x^{106} + x^{104} + x^{103} + x^{99} + x^{97} + x^{94} + x^{93} + x^{92} + x^{89} + x^{88} + x^{87} \\
& + x^{85} + x^{83} + x^{79} + x^{76} + x^{72} + x^{68} + x^{66} + x^{65} + x^{62} + x^{53} + x^{52} \\
& + x^{43} + x^{40} + x^{39} + x^{38} + x^{37} + x^{34} + x^{33} + x^{30} + x^{29} + x^{28} + x^{27} \\
& + x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{18} + x^{17} + x^{16}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{130} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} \\
& + x^{118} + x^{116} + x^{115} + x^{113} + x^{110} + x^{109} + x^{108} + x^{105} + x^{103} \\
& + x^{102} + x^{101} + x^{97} + x^{94} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{83} \\
& + x^{81} + x^{79} + x^{76} + x^{74} + x^{71} + x^{70} + x^{69} + x^{67} + x^{66} + x^{62} + x^{59} \\
& + x^{57} + x^{56} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{45} + x^{44} + x^{41} + x^{39} \\
& + x^{37} + x^{36} + x^{33} + x^{27} + x^{26} + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{14} \\
& + x^9 + x^8 + x^6 + x^2 + x + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{142} + x^{138} + x^{134} + x^{130} + x^{129} + x^{128} + x^{121} + x^{120} \\
& + x^{118} + x^{114} + x^{110} + x^{106} + x^{105} + x^{104} + x^{81} + x^{80} + x^{78} + x^{74} \\
& + x^{70} + x^{66} + x^{62} + x^{58} + x^{57} + x^{56} + x^{49} + x^{48} + x^{46} + x^{42} + x^{38} \\
& + x^{34} + x^{33} + x^{32} + x^{25} + x^{24} + x^{22} + x^{18} + x^{14} + x^{10} + x^9 + x^8,
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{145} + x^{144} + x^{142} + x^{138} + x^{137} + x^{136} + x^{125} + x^{124} + x^{122} + x^{118} \\
& + x^{114} + x^{110} + x^{109} + x^{108} + x^{105} + x^{104} + x^{102} + x^{98} + x^{97} + x^{96} \\
& + x^{81} + x^{80} + x^{78} + x^{74} + x^{73} + x^{72} + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} \\
& + x^{57} + x^{56} + x^{54} + x^{50} + x^{46} + x^{42} + x^{41} + x^{40} + x^{29} + x^{28} + x^{26} \\
& + x^{22} + x^{18} + x^{14} + x^{13} + x^{12} + x^9 + x^8 + x^6 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{144} + x^{141} + x^{140} + x^{138} + x^{137} + x^{130} + x^{127} + x^{126} + x^{125} \\
& + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{113} + x^{111} + x^{109} + x^{107} \\
& + x^{106} + x^{102} + x^{100} + x^{97} + x^{91} + x^{90} + x^{88} + x^{87} + x^{86} + x^{85} + x^{81} \\
& + x^{80} + x^{78} + x^{75} + x^{74} + x^{73} + x^{72} + x^{68} + x^{66} + x^{65} + x^{63} + x^{60} \\
& + x^{58} + x^{56} + x^{54} + x^{51} + x^{48} + x^{46} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} \\
& + x^{33}, \\
p_3(x) = & x^{134} + x^{132} + x^{131} + x^{128} + x^{124} + x^{122} + x^{121} + x^{120} + x^{117} + x^{114} \\
& + x^{102} + x^{100} + x^{99} + x^{96} + x^{94} + x^{91} + x^{90} + x^{89} + x^{86} + x^{85} + x^{83} \\
& + x^{81} + x^{78} + x^{77} + x^{75} + x^{73} + x^{70} + x^{69} + x^{67} + x^{65} + x^{62} + x^{61} \\
& + x^{59} + x^{57} + x^{53} + x^{52} + x^{49} + x^{48} + x^{45} + x^{42} + x^{38} + x^{36} + x^{35} \\
& + x^{32} + x^{28} + x^{26} + x^{25} + x^{24} + x^{21} + x^{18}, \\
p_6(x) = & x^{136} + x^{130} + x^{128} + x^{126} + x^{118} + x^{112} + x^{108} + x^{102} + x^{98} + x^{94} \\
& + x^{92} + x^{82} + x^{78} + x^{76} + x^{74} + x^{70} + x^{62} + x^{50} + x^{48} + x^{46} + x^{44} \\
& + x^{36} + x^{34} + x^{22} + x^{20} + x^{18} + x^{16} + x^{12}, \\
p_9(x) = & x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{125} \\
& + x^{122} + x^{121} + x^{120} + x^{119} + x^{116} + x^{115} + x^{113} + x^{112} + x^{111} \\
& + x^{109} + x^{105} + x^{102} + x^{74} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{65} + x^{64} \\
& + x^{63} + x^{61} + x^{57} + x^{54} + x^{42} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{33} \\
& + x^{32} + x^{31} + x^{29} + x^{26} + x^{25} + x^{24} + x^{23} + x^{20} + x^{19} + x^{17} + x^{16} \\
& + x^{15} + x^{13} + x^9 + x^6, \\
p_{12}(x) = & x^{140} + x^{136} + x^{120} + x^{116} + x^{112} + x^{108} + x^{100} + x^{96} + x^{76} + x^{72} \\
& + x^{60} + x^{52} + x^{48} + x^{44} + x^{40} + x^{24} + x^{20} + x^{16} + x^{12} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{153} + x^{150} + x^{148} + x^{147} + x^{145} + x^{142} + x^{141} + x^{140} + x^{139} \\
& + x^{136} + x^{135} + x^{134} + x^{133} + x^{127} + x^{125} + x^{124} + x^{122} + x^{120} \\
& + x^{115} + x^{114} + x^{113} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{97} + x^{94} + x^{92} + x^{87} + x^{84} + x^{83} + x^{78} + x^{77}
\end{aligned}$$

$$\begin{aligned}
& + x^{74} + x^{72} + x^{68} + x^{66} + x^{62} + x^{61} + x^{58} + x^{57} + x^{56} + x^{55} + x^{50} \\
& + x^{49} + x^{46} + x^{41} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{154} + x^{152} + x^{151} + x^{150} + x^{147} + x^{141} + x^{140} + x^{139} + x^{136} + x^{135} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} + x^{126} + x^{122} + x^{119} + x^{117} \\
& + x^{115} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{106} + x^{102} + x^{99} + x^{98} \\
& + x^{97} + x^{96} + x^{91} + x^{90} + x^{89} + x^{86} + x^{85} + x^{83} + x^{81} + x^{78} + x^{77} \\
& + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{69} + x^{66} + x^{65} + x^{64} + x^{63} + x^{60} \\
& + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{51} + x^{50} + x^{48} + x^{46} + x^{44} \\
& + x^{43} + x^{42} + x^{40} + x^{39} + x^{37} + x^{36} + x^{35} + x^{33} + x^{32} + x^{30} + x^{24} \\
& + x^{22} + x^{21} + x^{18}, \\
p_6(x) = & x^{156} + x^{152} + x^{150} + x^{148} + x^{142} + x^{140} + x^{134} + x^{128} + x^{124} + x^{120} \\
& + x^{118} + x^{112} + x^{100} + x^{94} + x^{90} + x^{86} + x^{84} + x^{80} + x^{76} + x^{70} + x^{68} \\
& + x^{66} + x^{60} + x^{58} + x^{54} + x^{52} + x^{50} + x^{46} + x^{38} + x^{36} + x^{30} + x^{20} \\
& + x^{18} + x^{12}, \\
p_9(x) = & x^{158} + x^{156} + x^{155} + x^{150} + x^{149} + x^{146} + x^{142} + x^{140} + x^{139} + x^{138} \\
& + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} \\
& + x^{121} + x^{120} + x^{119} + x^{118} + x^{113} + x^{112} + x^{111} + x^{110} + x^{106} \\
& + x^{105} + x^{102} + x^{94} + x^{92} + x^{91} + x^{86} + x^{85} + x^{82} + x^{74} + x^{72} + x^{71} \\
& + x^{65} + x^{64} + x^{63} + x^{60} + x^{59} + x^{58} + x^{57} + x^{53} + x^{50} + x^{46} + x^{44} \\
& + x^{43} + x^{42} + x^{40} + x^{39} + x^{38} + x^{37} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} \\
& + x^{25} + x^{24} + x^{23} + x^{22} + x^{17} + x^{16} + x^{15} + x^{14} + x^{10} + x^9 + x^6, \\
p_{12}(x) = & x^{160} + x^{152} + x^{148} + x^{140} + x^{136} + x^{128} + x^{124} + x^{116} + x^{112} + x^{88} \\
& + x^{84} + x^{80} + x^{76} + x^{68} + x^{64} + x^{56} + x^{52} + x^{48} + x^{44} + x^{40} + x^{32} \\
& + x^{28} + x^{20} + x^{16} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{127} + x^{125} + x^{124} \\
& + x^{123} + x^{122} + x^{119} + x^{118} + x^{111} + x^{110} + x^{108} + x^{107} + x^{105} \\
& + x^{102} + x^{100} + x^{98} + x^{97} + x^{95} + x^{91} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} \\
& + x^{79} + x^{77} + x^{75} + x^{74} + x^{71} + x^{69} + x^{68} + x^{66} + x^{59} + x^{55} + x^{53} \\
& + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42}, \\
p_3(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{139} + x^{138} + x^{137} + x^{135} + x^{134} + x^{132} \\
& + x^{131} + x^{130} + x^{126} + x^{124} + x^{123} + x^{119} + x^{118} + x^{114} + x^{113} \\
& + x^{112} + x^{110} + x^{109} + x^{104} + x^{101} + x^{99} + x^{95} + x^{94} + x^{91} + x^{90} \\
& + x^{88} + x^{85} + x^{80} + x^{76} + x^{75} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64}
\end{aligned}$$

$$\begin{aligned}
& + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{52} + x^{51} + x^{49} + x^{48} \\
& + x^{43} + x^{41} + x^{38} + x^{37} + x^{36} + x^{30} + x^{29} + x^{24} + x^{22}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{139} + x^{138} + x^{137} + x^{134} + x^{132} + x^{130} \\
& + x^{129} + x^{126} + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{113} + x^{107} \\
& + x^{106} + x^{103} + x^{101} + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{89} \\
& + x^{88} + x^{86} + x^{83} + x^{79} + x^{78} + x^{73} + x^{68} + x^{66} + x^{64} + x^{63} + x^{62} \\
& + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{54} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{42} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{25} \\
& + x^{21} + x^{16} + x^{14} + x^{13} + x^{12} + x^{10} + x^6 + x^2 + x + 1, \\
p_9(x) = & x^{145} + x^{144} + x^{142} + x^{138} + x^{134} + x^{130} + x^{129} + x^{128} + x^{121} + x^{120} \\
& + x^{118} + x^{114} + x^{110} + x^{106} + x^{105} + x^{104} + x^{81} + x^{80} + x^{78} + x^{74} \\
& + x^{70} + x^{66} + x^{62} + x^{58} + x^{57} + x^{56} + x^{49} + x^{48} + x^{46} + x^{42} + x^{38} \\
& + x^{34} + x^{33} + x^{32} + x^{25} + x^{24} + x^{22} + x^{18} + x^{14} + x^{10} + x^9 + x^8, \\
p_{12}(x) = & x^{145} + x^{144} + x^{142} + x^{138} + x^{137} + x^{136} + x^{125} + x^{124} + x^{122} + x^{118} \\
& + x^{114} + x^{110} + x^{109} + x^{108} + x^{105} + x^{104} + x^{102} + x^{98} + x^{97} + x^{96} \\
& + x^{81} + x^{80} + x^{78} + x^{74} + x^{73} + x^{72} + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} \\
& + x^{57} + x^{56} + x^{54} + x^{50} + x^{46} + x^{42} + x^{41} + x^{40} + x^{29} + x^{28} + x^{26} \\
& + x^{22} + x^{18} + x^{14} + x^{13} + x^{12} + x^9 + x^8 + x^6 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{144} + x^{140} + x^{137} + x^{136} + x^{135} + x^{131} + x^{130} + x^{128} + x^{125} \\
& + x^{124} + x^{123} + x^{122} + x^{121} + x^{117} + x^{115} + x^{113} + x^{111} + x^{110} \\
& + x^{104} + x^{103} + x^{102} + x^{101} + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} \\
& + x^{90} + x^{88} + x^{85} + x^{84} + x^{83} + x^{81} + x^{75} + x^{73} + x^{72} + x^{70} + x^{69} \\
& + x^{68} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} \\
& + x^{50} + x^{49} + x^{48} + x^{47} + x^{45} + x^{44} + x^{42} + x^{40} + x^{39} + x^{35} + x^{34} \\
& + x^{32} + x^{30} + x^{29} + x^{28} + x^{26} + x^{25} + x^{24}, \\
p_3(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{134} + x^{131} \\
& + x^{129} + x^{126} + x^{122} + x^{119} + x^{118} + x^{117} + x^{116} + x^{110} + x^{108} \\
& + x^{106} + x^{104} + x^{103} + x^{99} + x^{97} + x^{94} + x^{93} + x^{92} + x^{89} + x^{88} + x^{87} \\
& + x^{85} + x^{83} + x^{79} + x^{76} + x^{72} + x^{68} + x^{66} + x^{65} + x^{62} + x^{53} + x^{52} \\
& + x^{43} + x^{40} + x^{39} + x^{38} + x^{37} + x^{34} + x^{33} + x^{30} + x^{29} + x^{28} + x^{27} \\
& + x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{18} + x^{17} + x^{16}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} \\
& + x^{133} + x^{132} + x^{130} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122}
\end{aligned}$$

$$\begin{aligned}
& + x^{118} + x^{116} + x^{115} + x^{113} + x^{110} + x^{109} + x^{108} + x^{105} + x^{103} \\
& + x^{102} + x^{101} + x^{97} + x^{94} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{83} \\
& + x^{81} + x^{79} + x^{76} + x^{74} + x^{71} + x^{70} + x^{69} + x^{67} + x^{66} + x^{62} + x^{59} \\
& + x^{57} + x^{56} + x^{55} + x^{52} + x^{51} + x^{50} + x^{49} + x^{45} + x^{44} + x^{41} + x^{39} \\
& + x^{37} + x^{36} + x^{33} + x^{27} + x^{26} + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{14} \\
& + x^9 + x^8 + x^6 + x^2 + x + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{142} + x^{138} + x^{134} + x^{130} + x^{129} + x^{128} + x^{121} + x^{120} \\
& + x^{118} + x^{114} + x^{110} + x^{106} + x^{105} + x^{104} + x^{81} + x^{80} + x^{78} + x^{74} \\
& + x^{70} + x^{66} + x^{62} + x^{58} + x^{57} + x^{56} + x^{49} + x^{48} + x^{46} + x^{42} + x^{38} \\
& + x^{34} + x^{33} + x^{32} + x^{25} + x^{24} + x^{22} + x^{18} + x^{14} + x^{10} + x^9 + x^8, \\
p_{12}(x) &= x^{145} + x^{144} + x^{142} + x^{138} + x^{137} + x^{136} + x^{125} + x^{124} + x^{122} + x^{118} \\
& + x^{114} + x^{110} + x^{109} + x^{108} + x^{105} + x^{104} + x^{102} + x^{98} + x^{97} + x^{96} \\
& + x^{81} + x^{80} + x^{78} + x^{74} + x^{73} + x^{72} + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} \\
& + x^{57} + x^{56} + x^{54} + x^{50} + x^{46} + x^{42} + x^{41} + x^{40} + x^{29} + x^{28} + x^{26} \\
& + x^{22} + x^{18} + x^{14} + x^{13} + x^{12} + x^9 + x^8 + x^6 + x^2 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{153} + x^{150} + x^{148} + x^{147} + x^{145} + x^{142} + x^{141} + x^{140} + x^{139} \\
& + x^{136} + x^{135} + x^{134} + x^{133} + x^{127} + x^{125} + x^{124} + x^{122} + x^{120} \\
& + x^{115} + x^{114} + x^{113} + x^{110} + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{97} + x^{94} + x^{92} + x^{87} + x^{84} + x^{83} + x^{78} + x^{77} \\
& + x^{74} + x^{72} + x^{68} + x^{66} + x^{62} + x^{61} + x^{58} + x^{57} + x^{56} + x^{55} + x^{50} \\
& + x^{49} + x^{46} + x^{41} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{154} + x^{152} + x^{151} + x^{150} + x^{147} + x^{141} + x^{140} + x^{139} + x^{136} + x^{135} \\
& + x^{133} + x^{132} + x^{131} + x^{129} + x^{128} + x^{126} + x^{122} + x^{119} + x^{117} \\
& + x^{115} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{106} + x^{102} + x^{99} + x^{98} \\
& + x^{97} + x^{96} + x^{91} + x^{90} + x^{89} + x^{86} + x^{85} + x^{83} + x^{81} + x^{78} + x^{77} \\
& + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{69} + x^{66} + x^{65} + x^{64} + x^{63} + x^{60} \\
& + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{51} + x^{50} + x^{48} + x^{46} + x^{44} \\
& + x^{43} + x^{42} + x^{40} + x^{39} + x^{37} + x^{36} + x^{35} + x^{33} + x^{32} + x^{30} + x^{24} \\
& + x^{22} + x^{21} + x^{18}, \\
p_6(x) &= x^{156} + x^{152} + x^{150} + x^{148} + x^{142} + x^{140} + x^{134} + x^{128} + x^{124} + x^{120} \\
& + x^{118} + x^{112} + x^{100} + x^{94} + x^{90} + x^{86} + x^{84} + x^{80} + x^{76} + x^{70} + x^{68} \\
& + x^{66} + x^{60} + x^{58} + x^{54} + x^{52} + x^{50} + x^{46} + x^{38} + x^{36} + x^{30} + x^{20} \\
& + x^{18} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_9(x) &= x^{158} + x^{156} + x^{155} + x^{150} + x^{149} + x^{146} + x^{142} + x^{140} + x^{139} + x^{138} \\
&\quad + x^{136} + x^{135} + x^{134} + x^{133} + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} \\
&\quad + x^{121} + x^{120} + x^{119} + x^{118} + x^{113} + x^{112} + x^{111} + x^{110} + x^{106} \\
&\quad + x^{105} + x^{102} + x^{94} + x^{92} + x^{91} + x^{86} + x^{85} + x^{82} + x^{74} + x^{72} + x^{71} \\
&\quad + x^{65} + x^{64} + x^{63} + x^{60} + x^{59} + x^{58} + x^{57} + x^{53} + x^{50} + x^{46} + x^{44} \\
&\quad + x^{43} + x^{42} + x^{40} + x^{39} + x^{38} + x^{37} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} \\
&\quad + x^{25} + x^{24} + x^{23} + x^{22} + x^{17} + x^{16} + x^{15} + x^{14} + x^{10} + x^9 + x^6, \\
p_{12}(x) &= x^{160} + x^{152} + x^{148} + x^{140} + x^{136} + x^{128} + x^{124} + x^{116} + x^{112} + x^{88} \\
&\quad + x^{84} + x^{80} + x^{76} + x^{68} + x^{64} + x^{56} + x^{52} + x^{48} + x^{44} + x^{40} + x^{32} \\
&\quad + x^{28} + x^{20} + x^{16} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{148} + x^{144} + x^{141} + x^{140} + x^{138} + x^{137} + x^{130} + x^{127} + x^{126} + x^{125} \\
&\quad + x^{123} + x^{122} + x^{121} + x^{118} + x^{117} + x^{113} + x^{111} + x^{109} + x^{107} \\
&\quad + x^{106} + x^{102} + x^{100} + x^{97} + x^{91} + x^{90} + x^{88} + x^{87} + x^{86} + x^{85} + x^{81} \\
&\quad + x^{80} + x^{78} + x^{75} + x^{74} + x^{73} + x^{72} + x^{68} + x^{66} + x^{65} + x^{63} + x^{60} \\
&\quad + x^{58} + x^{56} + x^{54} + x^{51} + x^{48} + x^{46} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} \\
&\quad + x^{33}, \\
p_3(x) &= x^{134} + x^{132} + x^{131} + x^{128} + x^{124} + x^{122} + x^{121} + x^{120} + x^{117} + x^{114} \\
&\quad + x^{102} + x^{100} + x^{99} + x^{96} + x^{94} + x^{91} + x^{90} + x^{89} + x^{86} + x^{85} + x^{83} \\
&\quad + x^{81} + x^{78} + x^{77} + x^{75} + x^{73} + x^{70} + x^{69} + x^{67} + x^{65} + x^{62} + x^{61} \\
&\quad + x^{59} + x^{57} + x^{53} + x^{52} + x^{49} + x^{48} + x^{45} + x^{42} + x^{38} + x^{36} + x^{35} \\
&\quad + x^{32} + x^{28} + x^{26} + x^{25} + x^{24} + x^{21} + x^{18}, \\
p_6(x) &= x^{136} + x^{130} + x^{128} + x^{126} + x^{118} + x^{112} + x^{108} + x^{102} + x^{98} + x^{94} \\
&\quad + x^{92} + x^{82} + x^{78} + x^{76} + x^{74} + x^{70} + x^{62} + x^{50} + x^{48} + x^{46} + x^{44} \\
&\quad + x^{36} + x^{34} + x^{22} + x^{20} + x^{18} + x^{16} + x^{12}, \\
p_9(x) &= x^{138} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{125} \\
&\quad + x^{122} + x^{121} + x^{120} + x^{119} + x^{116} + x^{115} + x^{113} + x^{112} + x^{111} \\
&\quad + x^{109} + x^{105} + x^{102} + x^{74} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{65} + x^{64} \\
&\quad + x^{63} + x^{61} + x^{57} + x^{54} + x^{42} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{33} \\
&\quad + x^{32} + x^{31} + x^{29} + x^{26} + x^{25} + x^{24} + x^{23} + x^{20} + x^{19} + x^{17} + x^{16} \\
&\quad + x^{15} + x^{13} + x^9 + x^6, \\
p_{12}(x) &= x^{140} + x^{136} + x^{120} + x^{116} + x^{112} + x^{108} + x^{100} + x^{96} + x^{76} + x^{72} \\
&\quad + x^{60} + x^{52} + x^{48} + x^{44} + x^{40} + x^{24} + x^{20} + x^{16} + x^{12} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{127} + x^{125} + x^{124} \\
&\quad + x^{123} + x^{122} + x^{119} + x^{118} + x^{111} + x^{110} + x^{108} + x^{107} + x^{105} \\
&\quad + x^{102} + x^{100} + x^{98} + x^{97} + x^{95} + x^{91} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} \\
&\quad + x^{79} + x^{77} + x^{75} + x^{74} + x^{71} + x^{69} + x^{68} + x^{66} + x^{59} + x^{55} + x^{53} \\
&\quad + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{139} + x^{138} + x^{137} + x^{135} + x^{134} + x^{132} \\
&\quad + x^{131} + x^{130} + x^{126} + x^{124} + x^{123} + x^{119} + x^{118} + x^{114} + x^{113} \\
&\quad + x^{112} + x^{110} + x^{109} + x^{104} + x^{101} + x^{99} + x^{95} + x^{94} + x^{91} + x^{90} \\
&\quad + x^{88} + x^{85} + x^{80} + x^{76} + x^{75} + x^{71} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} \\
&\quad + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{52} + x^{51} + x^{49} + x^{48} \\
&\quad + x^{43} + x^{41} + x^{38} + x^{37} + x^{36} + x^{30} + x^{29} + x^{24} + x^{22}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{139} + x^{138} + x^{137} + x^{134} + x^{132} + x^{130} \\
&\quad + x^{129} + x^{126} + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{113} + x^{107} \\
&\quad + x^{106} + x^{103} + x^{101} + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{89} \\
&\quad + x^{88} + x^{86} + x^{83} + x^{79} + x^{78} + x^{73} + x^{68} + x^{66} + x^{64} + x^{63} + x^{62} \\
&\quad + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} + x^{54} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
&\quad + x^{46} + x^{42} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33} + x^{30} + x^{29} + x^{28} + x^{25} \\
&\quad + x^{21} + x^{16} + x^{14} + x^{13} + x^{12} + x^{10} + x^6 + x^2 + x + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{142} + x^{138} + x^{134} + x^{130} + x^{129} + x^{128} + x^{121} + x^{120} \\
&\quad + x^{118} + x^{114} + x^{110} + x^{106} + x^{105} + x^{104} + x^{81} + x^{80} + x^{78} + x^{74} \\
&\quad + x^{70} + x^{66} + x^{62} + x^{58} + x^{57} + x^{56} + x^{49} + x^{48} + x^{46} + x^{42} + x^{38} \\
&\quad + x^{34} + x^{33} + x^{32} + x^{25} + x^{24} + x^{22} + x^{18} + x^{14} + x^{10} + x^9 + x^8, \\
p_{12}(x) &= x^{145} + x^{144} + x^{142} + x^{138} + x^{137} + x^{136} + x^{125} + x^{124} + x^{122} + x^{118} \\
&\quad + x^{114} + x^{110} + x^{109} + x^{108} + x^{105} + x^{104} + x^{102} + x^{98} + x^{97} + x^{96} \\
&\quad + x^{81} + x^{80} + x^{78} + x^{74} + x^{73} + x^{72} + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} \\
&\quad + x^{57} + x^{56} + x^{54} + x^{50} + x^{46} + x^{42} + x^{41} + x^{40} + x^{29} + x^{28} + x^{26} \\
&\quad + x^{22} + x^{18} + x^{14} + x^{13} + x^{12} + x^9 + x^8 + x^6 + x^2 + x + 1,
\end{aligned}$$

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

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]	2455	[3958, 1115]	4910	[6527, 6122]	7365	[566, 5029]
1	[3, 4]	2456	[3959, 3960]	4911	[285, 6528]	7366	[8180, 7618]
2	[5, 6]	2457	[3961, 3962]	4912	[6529, 3986]	7367	[2037, 5575]

3	[7, 8]	2458	[3963, 3964]	4913	[6530, 4098]	7368	[1720, 2750]
4	[9, 10]	2459	[3965, 3004]	4914	[6531, 1347]	7369	[8370, 8371]
5	[11, 12]	2460	[3105, 3966]	4915	[6532, 6533]	7370	[4692, 8128]
6	[13, 14]	2461	[3967, 296]	4916	[6534, 6535]	7371	[1828, 5380]
7	[15, 16]	2462	[65, 3968]	4917	[6536, 6537]	7372	[7681, 2403]
8	[17, 18]	2463	[3969, 3970]	4918	[6538, 1358]	7373	[4687, 1897]
9	[19, 20]	2464	[3971, 1255]	4919	[6539, 3688]	7374	[8128, 8372]
10	[21, 22]	2465	[1317, 1366]	4920	[6540, 86]	7375	[2271, 8373]
11	[23, 24]	2466	[1200, 1036]	4921	[6541, 6542]	7376	[2521, 8374]
12	[25, 26]	2467	[3540, 337]	4922	[6543, 3714]	7377	[1837, 2178]
13	[27, 28]	2468	[3972, 1374]	4923	[6126, 1693]	7378	[2496, 5352]
14	[29, 30]	2469	[3973, 3974]	4924	[3667, 1616]	7379	[8375, 8376]
15	[31, 32]	2470	[3975, 408]	4925	[6544, 3873]	7380	[4575, 8377]
16	[33, 34]	2471	[3976, 3951]	4926	[1382, 1308]	7381	[2809, 4479]
17	[35, 36]	2472	[3977, 3978]	4927	[6545, 6546]	7382	[165, 2636]
18	[37, 38]	2473	[3979, 1403]	4928	[1582, 6405]	7383	[1709, 829]
19	[39, 40]	2474	[3980, 3981]	4929	[6547, 3774]	7384	[5917, 5598]
20	[41, 42]	2475	[1006, 3982]	4930	[6548, 298]	7385	[5527, 702]
21	[43, 44]	2476	[3983, 3984]	4931	[6549, 1630]	7386	[511, 8378]
22	[45, 46]	2477	[3985, 3986]	4932	[4287, 6550]	7387	[1883, 5269]
23	[47, 48]	2478	[3987, 3914]	4933	[3262, 1401]	7388	[8379, 8380]
24	[49, 50]	2479	[3988, 3639]	4934	[1320, 1270]	7389	[150, 745]
25	[51, 52]	2480	[3989, 3990]	4935	[969, 6390]	7390	[8381, 7685]
26	[53, 54]	2481	[3991, 1450]	4936	[3773, 6551]	7391	[878, 8382]
27	[55, 56]	2482	[3683, 3992]	4937	[6552, 6553]	7392	[8383, 2711]
28	[57, 58]	2483	[3993, 256]	4938	[1289, 6554]	7393	[8384, 7545]
29	[59, 60]	2484	[3513, 3573]	4939	[6246, 6555]	7394	[7869, 5104]
30	[61, 62]	2485	[3994, 3064]	4940	[6556, 3906]	7395	[5460, 2106]
31	[63, 64]	2486	[3995, 3582]	4941	[1213, 6557]	7396	[2238, 2199]
32	[65, 66]	2487	[3996, 1357]	4942	[1277, 6558]	7397	[8385, 8058]
33	[67, 68]	2488	[3997, 3998]	4943	[6559, 6339]	7398	[705, 878]
34	[69, 70]	2489	[3999, 4000]	4944	[3106, 6560]	7399	[2275, 5259]
35	[71, 72]	2490	[4001, 4002]	4945	[6561, 1120]	7400	[2242, 1710]
36	[73, 74]	2491	[120, 4003]	4946	[6562, 3273]	7401	[8386, 556]
37	[75, 76]	2492	[1262, 1068]	4947	[1201, 1037]	7402	[4911, 818]
38	[77, 78]	2493	[4004, 3359]	4948	[6563, 3930]	7403	[4829, 621]
39	[79, 80]	2494	[1446, 3]	4949	[4252, 3932]	7404	[4538, 8387]
40	[81, 82]	2495	[4005, 3117]	4950	[283, 6564]	7405	[2417, 5225]
41	[83, 84]	2496	[1080, 3121]	4951	[6565, 3694]	7406	[8388, 7571]
42	[85, 86]	2497	[3093, 4006]	4952	[6566, 1056]	7407	[8389, 8390]
43	[87, 88]	2498	[4007, 1258]	4953	[6567, 6568]	7408	[190, 2051]
44	[89, 90]	2499	[3280, 3424]	4954	[6569, 6570]	7409	[8391, 1786]
45	[91, 92]	2500	[1140, 4008]	4955	[6571, 6572]	7410	[5066, 2774]
46	[93, 94]	2501	[4009, 3850]	4956	[4281, 6573]	7411	[5801, 4673]

47	[95, 96]	2502	[1653, 4010]	4957	[2935, 6574]	7412	[8345, 5861]
48	[97, 98]	2503	[4011, 3556]	4958	[6170, 4277]	7413	[5459, 1791]
49	[99, 100]	2504	[453, 4012]	4959	[6575, 6576]	7414	[8392, 5600]
50	[101, 102]	2505	[4013, 4014]	4960	[6577, 6578]	7415	[8393, 2497]
51	[103, 104]	2506	[125, 4015]	4961	[6579, 6180]	7416	[5512, 8394]
52	[105, 106]	2507	[4016, 3595]	4962	[6570, 1124]	7417	[8395, 8396]
53	[107, 108]	2508	[3596, 293]	4963	[6580, 354]	7418	[8397, 2278]
54	[109, 110]	2509	[4017, 3996]	4964	[6581, 6550]	7419	[5652, 5684]
55	[111, 112]	2510	[4018, 4019]	4965	[6582, 6583]	7420	[8398, 8399]
56	[113, 114]	2511	[4020, 3525]	4966	[4038, 978]	7421	[8400, 5748]
57	[115, 116]	2512	[3253, 3443]	4967	[6584, 280]	7422	[2765, 4822]
58	[117, 118]	2513	[476, 4021]	4968	[6585, 4445]	7423	[8401, 4728]
59	[119, 120]	2514	[3633, 4022]	4969	[3949, 336]	7424	[2265, 5067]
60	[121, 101]	2515	[4023, 4024]	4970	[4433, 6177]	7425	[8402, 4455]
61	[122, 123]	2516	[4025, 4026]	4971	[3208, 4041]	7426	[8403, 5318]
62	[124, 125]	2517	[4027, 3797]	4972	[6586, 6587]	7427	[4776, 4850]
63	[126, 127]	2518	[4028, 4029]	4973	[3545, 3544]	7428	[8404, 5017]
64	[128, 129]	2519	[4030, 479]	4974	[6588, 1265]	7429	[8405, 8406]
65	[130, 131]	2520	[4031, 481]	4975	[1215, 1158]	7430	[7795, 2835]
66	[132, 133]	2521	[4032, 368]	4976	[6589, 3202]	7431	[8109, 7589]
67	[134, 135]	2522	[4033, 4034]	4977	[3139, 6590]	7432	[8407, 2799]
68	[136, 137]	2523	[3830, 4035]	4978	[3316, 1328]	7433	[8408, 5166]
69	[138, 139]	2524	[4036, 1685]	4979	[6591, 3578]	7434	[5845, 4726]
70	[140, 141]	2525	[4037, 4038]	4980	[6199, 6441]	7435	[5812, 2023]
71	[142, 143]	2526	[4039, 4040]	4981	[6592, 3682]	7436	[8409, 6001]
72	[144, 145]	2527	[4041, 4008]	4982	[3131, 6593]	7437	[5538, 8410]
73	[146, 147]	2528	[4042, 4043]	4983	[6594, 1504]	7438	[8411, 5802]
74	[148, 149]	2529	[4044, 3810]	4984	[1191, 6595]	7439	[8412, 4514]
75	[150, 151]	2530	[4045, 4046]	4985	[6596, 1382]	7440	[520, 5312]
76	[152, 153]	2531	[4047, 1686]	4986	[6597, 1635]	7441	[8413, 6084]
77	[154, 155]	2532	[254, 3311]	4987	[3625, 1243]	7442	[1745, 2282]
78	[156, 157]	2533	[1578, 3774]	4988	[6598, 6599]	7443	[8070, 2867]
79	[56, 158]	2534	[4048, 4049]	4989	[6355, 6600]	7444	[8414, 5871]
80	[159, 160]	2535	[4050, 1499]	4990	[6601, 6602]	7445	[8415, 8416]
81	[161, 162]	2536	[4051, 4052]	4991	[3347, 3657]	7446	[4930, 5687]
82	[163, 164]	2537	[4053, 4054]	4992	[3213, 3850]	7447	[8417, 2875]
83	[165, 166]	2538	[4055, 3038]	4993	[6603, 6604]	7448	[5769, 1986]
84	[167, 168]	2539	[929, 3930]	4994	[403, 6605]	7449	[8418, 8419]
85	[169, 170]	2540	[4056, 4057]	4995	[6136, 1353]	7450	[8420, 7860]
86	[171, 172]	2541	[92, 4058]	4996	[6606, 258]	7451	[8400, 5706]
87	[173, 174]	2542	[4059, 3110]	4997	[6607, 6531]	7452	[8290, 8421]
88	[175, 176]	2543	[4060, 3591]	4998	[6149, 3309]	7453	[8422, 7576]
89	[177, 178]	2544	[4061, 4062]	4999	[4261, 6608]	7454	[8423, 4951]
90	[179, 180]	2545	[4063, 4014]	5000	[6609, 6610]	7455	[8424, 7970]

91	[181, 182]	2546	[4064, 4065]	5001	[6611, 6612]	7456	[4773, 2793]
92	[183, 184]	2547	[4066, 4067]	5002	[6613, 6614]	7457	[4706, 8425]
93	[185, 186]	2548	[4068, 4069]	5003	[6615, 6616]	7458	[8426, 5257]
94	[187, 188]	2549	[4070, 4071]	5004	[6617, 6430]	7459	[8300, 1810]
95	[189, 190]	2550	[4072, 3285]	5005	[6618, 1099]	7460	[7905, 2129]
96	[191, 192]	2551	[466, 432]	5006	[6619, 6095]	7461	[8427, 8014]
97	[193, 194]	2552	[4073, 1684]	5007	[1092, 6620]	7462	[2528, 4546]
98	[195, 196]	2553	[3617, 4074]	5008	[6621, 3099]	7463	[8428, 5105]
99	[197, 198]	2554	[4075, 4076]	5009	[6622, 3718]	7464	[230, 2166]
100	[199, 200]	2555	[4077, 2900]	5010	[3341, 3275]	7465	[8429, 7833]
101	[201, 202]	2556	[4078, 3751]	5011	[6623, 3077]	7466	[8430, 8349]
102	[203, 204]	2557	[1275, 4079]	5012	[6624, 1102]	7467	[7754, 6005]
103	[205, 206]	2558	[3540, 3519]	5013	[6625, 6626]	7468	[1966, 7957]
104	[207, 50]	2559	[3133, 4080]	5014	[6627, 6628]	7469	[2197, 5804]
105	[208, 209]	2560	[4081, 4082]	5015	[3095, 6629]	7470	[6037, 1753]
106	[210, 211]	2561	[3053, 4083]	5016	[6630, 6631]	7471	[8431, 7485]
107	[212, 213]	2562	[3962, 4084]	5017	[6632, 6633]	7472	[8432, 713]
108	[214, 215]	2563	[4085, 4086]	5018	[6634, 3016]	7473	[4485, 887]
109	[216, 217]	2564	[4087, 4088]	5019	[4166, 1198]	7474	[638, 5613]
110	[218, 219]	2565	[4089, 3238]	5020	[6635, 3408]	7475	[7781, 8083]
111	[220, 221]	2566	[4090, 3068]	5021	[6636, 6637]	7476	[8433, 8434]
112	[222, 223]	2567	[4091, 1435]	5022	[6638, 6639]	7477	[8435, 5458]
113	[224, 225]	2568	[4092, 1137]	5023	[6640, 6641]	7478	[8238, 5843]
114	[226, 227]	2569	[4093, 4094]	5024	[6642, 6262]	7479	[5488, 2433]
115	[228, 229]	2570	[4095, 975]	5025	[6643, 1248]	7480	[5069, 2384]
116	[230, 231]	2571	[4096, 3585]	5026	[6644, 356]	7481	[8436, 5949]
117	[232, 233]	2572	[4097, 4098]	5027	[6645, 4295]	7482	[4263, 3811]
118	[234, 235]	2573	[4099, 4100]	5028	[6646, 6647]	7483	[1378, 1452]
119	[236, 237]	2574	[4101, 4102]	5029	[6648, 4314]	7484	[7346, 1661]
120	[238, 129]	2575	[3440, 4103]	5030	[6649, 4040]	7485	[8437, 3470]
121	[239, 240]	2576	[3380, 4104]	5031	[6650, 6651]	7486	[1494, 337]
122	[241, 242]	2577	[3613, 2955]	5032	[6652, 6653]	7487	[8438, 8439]
123	[243, 244]	2578	[4105, 4106]	5033	[6654, 6655]	7488	[8440, 3767]
124	[245, 246]	2579	[4107, 4077]	5034	[6569, 1123]	7489	[8441, 3766]
125	[247, 248]	2580	[1630, 4108]	5035	[3616, 6656]	7490	[8442, 8443]
126	[249, 250]	2581	[4109, 3344]	5036	[6657, 3030]	7491	[8444, 8445]
127	[251, 252]	2582	[4110, 3018]	5037	[6450, 1073]	7492	[8446, 3831]
128	[253, 254]	2583	[4111, 4112]	5038	[3476, 3867]	7493	[8447, 1221]
129	[255, 256]	2584	[4113, 4114]	5039	[3876, 435]	7494	[4353, 6175]
130	[257, 258]	2585	[4115, 4116]	5040	[6658, 6194]	7495	[7480, 8448]
131	[259, 260]	2586	[3804, 3820]	5041	[6659, 3619]	7496	[6585, 8449]
132	[261, 262]	2587	[4117, 4118]	5042	[6660, 6496]	7497	[68, 3787]
133	[263, 264]	2588	[4119, 4120]	5043	[6661, 6662]	7498	[3089, 8450]
134	[265, 266]	2589	[4121, 4122]	5044	[6663, 1605]	7499	[8451, 8452]

135	[267, 268]	2590	[4123, 4124]	5045	[88, 3747]	7500	[7217, 8453]
136	[269, 270]	2591	[4125, 3321]	5046	[6664, 6665]	7501	[8454, 3522]
137	[271, 272]	2592	[1472, 1105]	5047	[6666, 289]	7502	[4068, 3361]
138	[273, 274]	2593	[4126, 3063]	5048	[6667, 6668]	7503	[1120, 1317]
139	[275, 276]	2594	[4127, 4128]	5049	[6150, 1675]	7504	[1352, 6417]
140	[277, 278]	2595	[4129, 4130]	5050	[6156, 1562]	7505	[2921, 3738]
141	[279, 280]	2596	[4131, 3536]	5051	[6669, 6665]	7506	[8455, 4427]
142	[281, 282]	2597	[1235, 3489]	5052	[1510, 3816]	7507	[8456, 6358]
143	[283, 284]	2598	[1664, 3491]	5053	[1226, 125]	7508	[3650, 1487]
144	[285, 286]	2599	[3298, 4132]	5054	[1247, 429]	7509	[6758, 6124]
145	[287, 288]	2600	[1487, 981]	5055	[6670, 6671]	7510	[8457, 3167]
146	[289, 290]	2601	[302, 1002]	5056	[6672, 406]	7511	[1317, 7406]
147	[291, 292]	2602	[4133, 4060]	5057	[6673, 4002]	7512	[8458, 7067]
148	[293, 294]	2603	[4134, 4135]	5058	[6674, 6167]	7513	[3761, 290]
149	[295, 296]	2604	[4136, 4137]	5059	[2953, 4368]	7514	[8459, 8460]
150	[297, 298]	2605	[4028, 1249]	5060	[6675, 3041]	7515	[8461, 8462]
151	[299, 300]	2606	[4138, 2936]	5061	[6676, 6103]	7516	[1151, 3897]
152	[301, 302]	2607	[4139, 4140]	5062	[6502, 4103]	7517	[3349, 6182]
153	[303, 304]	2608	[4141, 4142]	5063	[4385, 1157]	7518	[3492, 8463]
154	[305, 306]	2609	[4143, 4047]	5064	[6677, 4037]	7519	[6175, 3231]
155	[307, 308]	2610	[4144, 3429]	5065	[6678, 4292]	7520	[4422, 4332]
156	[309, 310]	2611	[4145, 4146]	5066	[6679, 284]	7521	[8464, 3435]
157	[311, 312]	2612	[4147, 3670]	5067	[4162, 6386]	7522	[8465, 3312]
158	[112, 313]	2613	[4148, 4149]	5068	[6680, 6502]	7523	[4134, 3637]
159	[314, 315]	2614	[324, 4150]	5069	[1671, 4340]	7524	[8466, 71]
160	[316, 317]	2615	[3574, 4151]	5070	[6681, 6682]	7525	[8467, 958]
161	[318, 283]	2616	[4152, 4153]	5071	[6683, 6684]	7526	[4315, 373]
162	[319, 320]	2617	[1220, 1242]	5072	[1669, 6685]	7527	[8468, 6413]
163	[321, 322]	2618	[4154, 3655]	5073	[3131, 6686]	7528	[6759, 8460]
164	[323, 324]	2619	[4155, 3592]	5074	[6687, 6688]	7529	[6998, 1278]
165	[325, 326]	2620	[4156, 4157]	5075	[6689, 6328]	7530	[8469, 1070]
166	[327, 328]	2621	[4158, 3087]	5076	[6317, 6690]	7531	[6939, 371]
167	[329, 330]	2622	[3581, 4159]	5077	[6691, 359]	7532	[8470, 6535]
168	[331, 332]	2623	[4160, 3795]	5078	[6692, 105]	7533	[8471, 6584]
169	[333, 334]	2624	[4161, 4162]	5079	[6693, 6694]	7534	[6747, 8472]
170	[335, 336]	2625	[4110, 407]	5080	[6122, 6695]	7535	[3865, 4183]
171	[337, 338]	2626	[4163, 3066]	5081	[6696, 3821]	7536	[8473, 7377]
172	[339, 340]	2627	[4164, 4165]	5082	[6697, 1675]	7537	[8474, 1505]
173	[341, 342]	2628	[4166, 3154]	5083	[4230, 6528]	7538	[8475, 1296]
174	[343, 344]	2629	[4167, 1666]	5084	[6698, 6699]	7539	[8476, 444]
175	[276, 345]	2630	[4168, 3901]	5085	[6660, 3468]	7540	[1611, 8477]
176	[346, 347]	2631	[4169, 4170]	5086	[6700, 6701]	7541	[8478, 7370]
177	[348, 349]	2632	[1325, 4171]	5087	[6702, 1424]	7542	[930, 3931]
178	[350, 351]	2633	[4172, 3504]	5088	[6703, 253]	7543	[6241, 4407]

179	[352, 353]	2634	[4173, 4174]	5089	[6704, 6143]	7544	[1421, 8479]
180	[354, 355]	2635	[4175, 1608]	5090	[6561, 1316]	7545	[8480, 6471]
181	[356, 357]	2636	[4176, 1089]	5091	[6705, 6706]	7546	[2945, 1093]
182	[358, 359]	2637	[326, 4177]	5092	[6707, 6132]	7547	[6198, 6766]
183	[360, 361]	2638	[4178, 1394]	5093	[6708, 4131]	7548	[4326, 3011]
184	[362, 363]	2639	[4179, 4180]	5094	[6709, 3338]	7549	[1555, 4084]
185	[364, 365]	2640	[4181, 1473]	5095	[6710, 6711]	7550	[3137, 3871]
186	[366, 367]	2641	[250, 3702]	5096	[1424, 3172]	7551	[1623, 1700]
187	[368, 369]	2642	[413, 1176]	5097	[6712, 4035]	7552	[384, 8481]
188	[370, 371]	2643	[4182, 4183]	5098	[6713, 6714]	7553	[6473, 3949]
189	[372, 373]	2644	[4184, 1203]	5099	[1340, 118]	7554	[8482, 75]
190	[374, 375]	2645	[4185, 4186]	5100	[3065, 4247]	7555	[8483, 7252]
191	[376, 377]	2646	[4187, 4022]	5101	[2914, 1473]	7556	[8484, 6614]
192	[378, 379]	2647	[4188, 1294]	5102	[6715, 6462]	7557	[8485, 7157]
193	[380, 381]	2648	[4189, 3981]	5103	[4282, 3599]	7558	[1165, 3324]
194	[382, 383]	2649	[4190, 3159]	5104	[6716, 4021]	7559	[3594, 8486]
195	[384, 385]	2650	[3483, 1010]	5105	[3301, 3020]	7560	[6705, 6294]
196	[386, 71]	2651	[4191, 3345]	5106	[4091, 6717]	7561	[8487, 6662]
197	[387, 388]	2652	[401, 3776]	5107	[6718, 393]	7562	[8488, 3834]
198	[389, 390]	2653	[3019, 4192]	5108	[1656, 6442]	7563	[122, 425]
199	[391, 392]	2654	[4193, 1670]	5109	[6719, 6720]	7564	[8489, 6126]
200	[393, 394]	2655	[4194, 4195]	5110	[6721, 6722]	7565	[4272, 7225]
201	[395, 396]	2656	[4196, 1566]	5111	[6723, 1489]	7566	[8490, 8491]
202	[397, 398]	2657	[4144, 3234]	5112	[6724, 6366]	7567	[1352, 8492]
203	[399, 400]	2658	[4197, 4198]	5113	[1445, 6725]	7568	[3266, 7204]
204	[254, 401]	2659	[4199, 4200]	5114	[6726, 6331]	7569	[3807, 6313]
205	[402, 403]	2660	[1517, 3062]	5115	[6727, 6728]	7570	[357, 4248]
206	[404, 405]	2661	[4201, 4202]	5116	[6729, 2966]	7571	[8493, 3966]
207	[406, 407]	2662	[2922, 3071]	5117	[6730, 6731]	7572	[8494, 8495]
208	[408, 409]	2663	[4203, 2934]	5118	[6732, 1691]	7573	[8496, 6551]
209	[410, 411]	2664	[4204, 4205]	5119	[3569, 6271]	7574	[8497, 8498]
210	[412, 413]	2665	[1492, 1196]	5120	[6733, 6734]	7575	[8499, 3664]
211	[414, 415]	2666	[4206, 4207]	5121	[6735, 3956]	7576	[3412, 988]
212	[416, 417]	2667	[3219, 4208]	5122	[2964, 3162]	7577	[8500, 8501]
213	[418, 419]	2668	[104, 2889]	5123	[3214, 3851]	7578	[418, 1588]
214	[420, 421]	2669	[1127, 980]	5124	[3216, 3878]	7579	[6096, 4395]
215	[422, 423]	2670	[4209, 4210]	5125	[6736, 6737]	7580	[8502, 962]
216	[424, 425]	2671	[4211, 4212]	5126	[6738, 1321]	7581	[473, 1217]
217	[426, 427]	2672	[4213, 4214]	5127	[6739, 6740]	7582	[273, 8450]
218	[428, 422]	2673	[4215, 4216]	5128	[6741, 6742]	7583	[8503, 1216]
219	[429, 430]	2674	[1098, 4157]	5129	[4333, 6743]	7584	[8504, 8505]
220	[431, 432]	2675	[3122, 4217]	5130	[6744, 6745]	7585	[368, 8506]
221	[332, 433]	2676	[1462, 4086]	5131	[3944, 982]	7586	[8507, 8508]
222	[434, 435]	2677	[4218, 4219]	5132	[3622, 106]	7587	[8509, 7300]

223	[436, 437]	2678	[1118, 4220]	5133	[6746, 3549]	7588	[8510, 7174]
224	[438, 439]	2679	[4221, 4222]	5134	[6747, 3451]	7589	[7439, 1282]
225	[440, 441]	2680	[4223, 3286]	5135	[1115, 6748]	7590	[8511, 3634]
226	[442, 443]	2681	[3144, 3458]	5136	[28, 1196]	7591	[7026, 8512]
227	[444, 445]	2682	[4224, 3438]	5137	[6749, 1198]	7592	[1069, 4265]
228	[446, 447]	2683	[4225, 1123]	5138	[1264, 1523]	7593	[8513, 7330]
229	[448, 449]	2684	[4226, 4227]	5139	[4217, 6750]	7594	[8514, 6345]
230	[450, 451]	2685	[4228, 3954]	5140	[6751, 3201]	7595	[7176, 3359]
231	[452, 453]	2686	[1188, 2914]	5141	[6752, 4402]	7596	[8515, 8516]
232	[454, 454]	2687	[4229, 2988]	5142	[6753, 4367]	7597	[8517, 1603]
233	[455, 456]	2688	[1667, 3902]	5143	[6754, 6755]	7598	[8518, 7284]
234	[457, 458]	2689	[4230, 286]	5144	[6231, 3584]	7599	[1632, 8519]
235	[459, 460]	2690	[3492, 4231]	5145	[4338, 1185]	7600	[7160, 6853]
236	[461, 370]	2691	[4232, 4233]	5146	[6228, 6264]	7601	[8520, 4180]
237	[462, 463]	2692	[4234, 1004]	5147	[6756, 4202]	7602	[3014, 8521]
238	[464, 465]	2693	[4235, 4236]	5148	[6681, 6757]	7603	[8522, 1467]
239	[466, 263]	2694	[107, 4237]	5149	[84, 6758]	7604	[6492, 3823]
240	[467, 468]	2695	[4238, 1364]	5150	[6759, 6760]	7605	[7040, 1357]
241	[469, 470]	2696	[3991, 1304]	5151	[4278, 1188]	7606	[8523, 8524]
242	[471, 98]	2697	[4239, 4240]	5152	[1583, 6761]	7607	[8525, 8526]
243	[472, 473]	2698	[3419, 4241]	5153	[6762, 6267]	7608	[4141, 8527]
244	[276, 474]	2699	[4242, 4243]	5154	[6763, 1353]	7609	[8528, 6]
245	[475, 476]	2700	[4244, 1025]	5155	[6764, 6765]	7610	[3335, 3238]
246	[477, 478]	2701	[4245, 4096]	5156	[1258, 4385]	7611	[1678, 8529]
247	[479, 480]	2702	[4246, 25]	5157	[1490, 6766]	7612	[7368, 3701]
248	[481, 482]	2703	[4042, 1458]	5158	[4229, 6767]	7613	[7156, 8530]
249	[483, 484]	2704	[4247, 4248]	5159	[6768, 6769]	7614	[8531, 8532]
250	[485, 486]	2705	[4249, 3175]	5160	[6770, 6708]	7615	[1345, 3247]
251	[487, 488]	2706	[3201, 4250]	5161	[3129, 3387]	7616	[4149, 8533]
252	[489, 490]	2707	[4251, 4252]	5162	[6771, 3994]	7617	[8534, 8535]
253	[491, 492]	2708	[4253, 4254]	5163	[6772, 2917]	7618	[7279, 4428]
254	[493, 494]	2709	[3927, 3463]	5164	[6642, 6154]	7619	[1561, 6157]
255	[495, 496]	2710	[4255, 4256]	5165	[6773, 6118]	7620	[6638, 3890]
256	[497, 498]	2711	[4257, 4258]	5166	[6774, 322]	7621	[8536, 3712]
257	[499, 500]	2712	[4259, 4260]	5167	[6775, 4425]	7622	[6672, 4110]
258	[501, 502]	2713	[4261, 4046]	5168	[2955, 1513]	7623	[6864, 7181]
259	[503, 504]	2714	[4262, 3021]	5169	[6776, 4077]	7624	[8537, 1281]
260	[505, 506]	2715	[4263, 4264]	5170	[6280, 6600]	7625	[8538, 8539]
261	[507, 508]	2716	[4265, 4266]	5171	[6777, 1146]	7626	[1295, 8540]
262	[509, 510]	2717	[4267, 4268]	5172	[6778, 6582]	7627	[6458, 6599]
263	[511, 512]	2718	[4269, 383]	5173	[4317, 3224]	7628	[1408, 8541]
264	[513, 514]	2719	[1460, 4270]	5174	[6779, 4382]	7629	[8542, 1682]
265	[515, 516]	2720	[4271, 3312]	5175	[6780, 6178]	7630	[8543, 7327]
266	[517, 518]	2721	[430, 4272]	5176	[430, 3687]	7631	[8497, 1303]

267	[519, 520]	2722	[4273, 3455]	5177	[6781, 3387]	7632	[7226, 8544]
268	[521, 522]	2723	[4274, 4275]	5178	[1351, 6416]	7633	[3395, 341]
269	[523, 524]	2724	[4276, 3496]	5179	[337, 1355]	7634	[3626, 1244]
270	[525, 526]	2725	[4277, 3400]	5180	[6429, 6782]	7635	[8545, 1108]
271	[527, 528]	2726	[4278, 2913]	5181	[6783, 6784]	7636	[7448, 2900]
272	[529, 530]	2727	[390, 4279]	5182	[6785, 6786]	7637	[3205, 8546]
273	[531, 532]	2728	[3388, 3892]	5183	[6787, 3676]	7638	[8547, 7415]
274	[533, 534]	2729	[4280, 4281]	5184	[3929, 6435]	7639	[8548, 3719]
275	[535, 536]	2730	[4282, 4283]	5185	[3857, 3100]	7640	[1429, 1527]
276	[537, 538]	2731	[4284, 4285]	5186	[3549, 6788]	7641	[7098, 8549]
277	[134, 539]	2732	[4286, 1233]	5187	[1514, 6789]	7642	[8550, 3977]
278	[540, 541]	2733	[1086, 1015]	5188	[6790, 2910]	7643	[1669, 1049]
279	[542, 543]	2734	[4287, 4288]	5189	[6791, 6792]	7644	[7325, 1057]
280	[544, 545]	2735	[4289, 4290]	5190	[6793, 4433]	7645	[987, 1633]
281	[546, 547]	2736	[4291, 4292]	5191	[1135, 439]	7646	[8551, 8552]
282	[548, 549]	2737	[3018, 4293]	5192	[6794, 6795]	7647	[249, 3701]
283	[550, 551]	2738	[4294, 3626]	5193	[3647, 1414]	7648	[3062, 6757]
284	[552, 553]	2739	[4295, 4067]	5194	[6796, 3602]	7649	[3700, 3771]
285	[554, 555]	2740	[4296, 1138]	5195	[275, 2962]	7650	[7431, 6542]
286	[556, 557]	2741	[4297, 4171]	5196	[6797, 6798]	7651	[7422, 1269]
287	[558, 559]	2742	[1646, 4298]	5197	[1598, 6799]	7652	[8553, 3319]
288	[560, 561]	2743	[4299, 4300]	5198	[6800, 4437]	7653	[8554, 8555]
289	[562, 563]	2744	[4301, 3242]	5199	[6801, 6325]	7654	[4116, 4448]
290	[564, 565]	2745	[1074, 4302]	5200	[3677, 6802]	7655	[7136, 6977]
291	[566, 567]	2746	[4030, 3256]	5201	[2942, 6491]	7656	[8457, 7022]
292	[568, 569]	2747	[4303, 4304]	5202	[6293, 6706]	7657	[8556, 8439]
293	[570, 571]	2748	[4305, 990]	5203	[1257, 6792]	7658	[3717, 3564]
294	[572, 573]	2749	[3963, 4306]	5204	[1688, 1096]	7659	[1554, 6970]
295	[574, 575]	2750	[4307, 305]	5205	[6674, 6803]	7660	[1481, 3126]
296	[576, 577]	2751	[4308, 4309]	5206	[6804, 6805]	7661	[3221, 1014]
297	[578, 579]	2752	[4310, 4311]	5207	[930, 6428]	7662	[1063, 8479]
298	[580, 581]	2753	[4312, 1054]	5208	[3778, 6806]	7663	[6253, 3645]
299	[582, 583]	2754	[4313, 4314]	5209	[6807, 6808]	7664	[1644, 3992]
300	[584, 585]	2755	[1191, 3457]	5210	[6809, 6810]	7665	[8557, 7149]
301	[586, 587]	2756	[4315, 995]	5211	[3485, 6148]	7666	[1166, 4198]
302	[588, 589]	2757	[4316, 282]	5212	[6811, 6812]	7667	[8558, 3046]
303	[590, 591]	2758	[1014, 1192]	5213	[1276, 6813]	7668	[8559, 1503]
304	[592, 593]	2759	[4317, 3016]	5214	[3375, 6814]	7669	[1042, 8560]
305	[594, 595]	2760	[3317, 1329]	5215	[1450, 1305]	7670	[6236, 1118]
306	[596, 597]	2761	[3648, 4318]	5216	[6815, 6316]	7671	[3038, 3138]
307	[598, 599]	2762	[4319, 4320]	5217	[6816, 6817]	7672	[8561, 3669]
308	[600, 601]	2763	[4321, 4210]	5218	[6818, 6819]	7673	[8562, 6941]
309	[602, 603]	2764	[3653, 399]	5219	[6820, 3633]	7674	[1543, 1498]
310	[604, 605]	2765	[4322, 2979]	5220	[6821, 6822]	7675	[8563, 8564]

311	[606, 607]	2766	[4323, 975]	5221	[6823, 1228]	7676	[8565, 7206]
312	[608, 609]	2767	[3600, 447]	5222	[6824, 6825]	7677	[8566, 3291]
313	[221, 610]	2768	[4324, 4325]	5223	[1183, 1281]	7678	[4369, 6986]
314	[611, 156]	2769	[387, 1437]	5224	[6826, 4270]	7679	[4022, 4203]
315	[612, 613]	2770	[1229, 1596]	5225	[6827, 3313]	7680	[8567, 3595]
316	[614, 615]	2771	[4326, 1535]	5226	[4286, 470]	7681	[8568, 3229]
317	[616, 617]	2772	[4327, 3839]	5227	[6828, 1285]	7682	[8569, 8570]
318	[618, 619]	2773	[1364, 4328]	5228	[4131, 1529]	7683	[8571, 6184]
319	[620, 621]	2774	[4329, 3196]	5229	[6829, 6830]	7684	[8572, 1407]
320	[622, 623]	2775	[3505, 4330]	5230	[272, 4066]	7685	[1022, 6330]
321	[624, 625]	2776	[4331, 4332]	5231	[6284, 1032]	7686	[8573, 1212]
322	[626, 209]	2777	[4333, 4334]	5232	[6831, 6832]	7687	[24, 4351]
323	[627, 628]	2778	[4335, 964]	5233	[6833, 6834]	7688	[1497, 7127]
324	[629, 630]	2779	[4336, 4337]	5234	[3578, 3034]	7689	[8462, 3979]
325	[631, 632]	2780	[4338, 334]	5235	[6835, 1600]	7690	[6460, 3127]
326	[633, 557]	2781	[4339, 72]	5236	[6539, 4417]	7691	[8574, 8462]
327	[634, 635]	2782	[4277, 3565]	5237	[6836, 6837]	7692	[8575, 7219]
328	[636, 637]	2783	[3358, 404]	5238	[6591, 3033]	7693	[6631, 3427]
329	[638, 639]	2784	[3920, 4340]	5239	[4387, 3529]	7694	[1622, 1293]
330	[640, 641]	2785	[4341, 4342]	5240	[6838, 942]	7695	[1013, 3222]
331	[642, 643]	2786	[4343, 4219]	5241	[6839, 6840]	7696	[8576, 6612]
332	[644, 645]	2787	[4344, 2980]	5242	[6841, 6842]	7697	[7470, 8577]
333	[646, 647]	2788	[3862, 1381]	5243	[6420, 6843]	7698	[6608, 6512]
334	[648, 649]	2789	[4345, 4346]	5244	[6615, 6323]	7699	[7164, 6765]
335	[650, 651]	2790	[4347, 4348]	5245	[3208, 1140]	7700	[8578, 8579]
336	[652, 653]	2791	[4349, 3181]	5246	[3436, 6844]	7701	[8580, 8581]
337	[654, 655]	2792	[3393, 3528]	5247	[3047, 6845]	7702	[3390, 2975]
338	[656, 657]	2793	[2938, 3714]	5248	[6846, 1655]	7703	[8582, 3384]
339	[658, 659]	2794	[4350, 4351]	5249	[1322, 1032]	7704	[8583, 8584]
340	[660, 661]	2795	[4352, 3056]	5250	[6475, 4156]	7705	[8585, 8586]
341	[662, 663]	2796	[4353, 2986]	5251	[6847, 6848]	7706	[6196, 7006]
342	[664, 665]	2797	[4354, 4355]	5252	[6301, 4078]	7707	[8587, 8588]
343	[666, 667]	2798	[3792, 3041]	5253	[6849, 6850]	7708	[6999, 299]
344	[668, 669]	2799	[4356, 3178]	5254	[6851, 6799]	7709	[6165, 3934]
345	[670, 671]	2800	[4357, 3326]	5255	[6852, 6853]	7710	[7287, 293]
346	[672, 673]	2801	[4358, 3548]	5256	[427, 1393]	7711	[8589, 4019]
347	[674, 675]	2802	[4359, 1018]	5257	[6854, 6329]	7712	[4400, 6922]
348	[676, 576]	2803	[4360, 4361]	5258	[6855, 1206]	7713	[7114, 4258]
349	[677, 678]	2804	[3080, 3834]	5259	[3097, 6090]	7714	[7324, 8590]
350	[155, 679]	2805	[4135, 3888]	5260	[1655, 6129]	7715	[8591, 8505]
351	[680, 681]	2806	[4362, 4088]	5261	[6856, 3151]	7716	[4124, 4442]
352	[682, 683]	2807	[4363, 4364]	5262	[394, 6339]	7717	[6548, 8592]
353	[684, 685]	2808	[3967, 1540]	5263	[1310, 1213]	7718	[8593, 7053]
354	[686, 687]	2809	[4365, 4350]	5264	[3530, 6857]	7719	[3669, 8594]

355	[688, 689]	2810	[4366, 4367]	5265	[6858, 6822]	7720	[4352, 1593]
356	[690, 691]	2811	[1038, 3612]	5266	[6859, 6860]	7721	[8595, 4121]
357	[692, 693]	2812	[4368, 3342]	5267	[6861, 6862]	7722	[8568, 3309]
358	[694, 695]	2813	[4369, 1394]	5268	[6863, 6864]	7723	[6752, 6531]
359	[696, 697]	2814	[4370, 4371]	5269	[3788, 3194]	7724	[8596, 8597]
360	[698, 699]	2815	[4372, 4373]	5270	[4063, 6865]	7725	[8598, 6889]
361	[506, 700]	2816	[4374, 3470]	5271	[6866, 6867]	7726	[1450, 2949]
362	[701, 702]	2817	[3987, 4375]	5272	[925, 6868]	7727	[7411, 3151]
363	[703, 704]	2818	[4376, 4377]	5273	[6869, 6485]	7728	[8599, 6806]
364	[705, 706]	2819	[4378, 4379]	5274	[2911, 1506]	7729	[8600, 8601]
365	[707, 708]	2820	[3886, 4380]	5275	[6870, 6871]	7730	[8602, 6963]
366	[709, 710]	2821	[4381, 2951]	5276	[6872, 4116]	7731	[8603, 4131]
367	[711, 712]	2822	[4382, 4383]	5277	[6704, 6873]	7732	[8604, 8605]
368	[713, 714]	2823	[4384, 4385]	5278	[4331, 4423]	7733	[8606, 276]
369	[715, 716]	2824	[4386, 3136]	5279	[6874, 6875]	7734	[6707, 3227]
370	[717, 657]	2825	[4387, 3354]	5280	[6666, 3761]	7735	[113, 6590]
371	[718, 719]	2826	[4388, 4389]	5281	[3635, 6737]	7736	[8607, 8608]
372	[720, 721]	2827	[4390, 4026]	5282	[6876, 3864]	7737	[8609, 259]
373	[722, 723]	2828	[4391, 1386]	5283	[6877, 6239]	7738	[8610, 3741]
374	[724, 615]	2829	[4392, 4393]	5284	[3769, 1118]	7739	[8611, 1650]
375	[725, 726]	2830	[4394, 1003]	5285	[6415, 3002]	7740	[8508, 8612]
376	[727, 728]	2831	[3186, 4395]	5286	[6878, 2890]	7741	[8613, 8614]
377	[729, 730]	2832	[4396, 4281]	5287	[6879, 3120]	7742	[7343, 7298]
378	[731, 732]	2833	[2888, 3738]	5288	[4176, 3031]	7743	[3752, 3454]
379	[733, 734]	2834	[4397, 4398]	5289	[6880, 6881]	7744	[8615, 8616]
380	[735, 736]	2835	[4399, 1072]	5290	[6503, 3382]	7745	[452, 6927]
381	[737, 738]	2836	[1085, 3495]	5291	[427, 6882]	7746	[456, 6196]
382	[739, 740]	2837	[4400, 4401]	5292	[3895, 1455]	7747	[3953, 6277]
383	[741, 742]	2838	[4402, 1347]	5293	[6883, 6884]	7748	[1087, 4220]
384	[743, 744]	2839	[3176, 4403]	5294	[6885, 3295]	7749	[8617, 8618]
385	[745, 746]	2840	[3178, 1605]	5295	[6366, 2938]	7750	[8619, 8620]
386	[747, 748]	2841	[4404, 1340]	5296	[6886, 6887]	7751	[6606, 7205]
387	[749, 750]	2842	[4405, 3100]	5297	[6225, 3144]	7752	[8621, 397]
388	[751, 752]	2843	[403, 1100]	5298	[6888, 4108]	7753	[8622, 468]
389	[753, 754]	2844	[4406, 4407]	5299	[6889, 6890]	7754	[1617, 3861]
390	[755, 756]	2845	[4408, 4409]	5300	[1616, 313]	7755	[4081, 1125]
391	[757, 758]	2846	[3267, 3510]	5301	[77, 6891]	7756	[8476, 3680]
392	[759, 760]	2847	[1265, 1524]	5302	[6892, 3133]	7757	[8623, 3681]
393	[761, 762]	2848	[3082, 4410]	5303	[6893, 6132]	7758	[8624, 6521]
394	[763, 630]	2849	[4411, 4412]	5304	[6762, 3839]	7759	[8625, 1380]
395	[764, 765]	2850	[4413, 3580]	5305	[6132, 6894]	7760	[3331, 8481]
396	[766, 767]	2851	[4414, 4415]	5306	[6895, 3970]	7761	[6413, 7310]
397	[768, 196]	2852	[4416, 1290]	5307	[3925, 1149]	7762	[8626, 937]
398	[769, 770]	2853	[3847, 1663]	5308	[3058, 1454]	7763	[8627, 8628]

399	[771, 772]	2854	[4417, 3847]	5309	[6896, 3829]	7764	[1590, 3000]
400	[773, 774]	2855	[4418, 4419]	5310	[4048, 6837]	7765	[8485, 8530]
401	[775, 601]	2856	[3660, 4296]	5311	[6692, 3622]	7766	[8629, 8630]
402	[776, 147]	2857	[3159, 3594]	5312	[3222, 1192]	7767	[8631, 387]
403	[777, 778]	2858	[4420, 4421]	5313	[4406, 3918]	7768	[8632, 8633]
404	[641, 779]	2859	[4422, 4423]	5314	[6897, 6898]	7769	[4276, 323]
405	[780, 781]	2860	[4424, 4425]	5315	[6899, 3033]	7770	[3498, 6844]
406	[782, 783]	2861	[4426, 4427]	5316	[2980, 6229]	7771	[3177, 6663]
407	[784, 785]	2862	[1112, 1284]	5317	[1045, 1601]	7772	[8634, 4392]
408	[786, 787]	2863	[4428, 4429]	5318	[6900, 6901]	7773	[8635, 3459]
409	[788, 789]	2864	[4430, 4431]	5319	[6888, 3640]	7774	[3704, 3028]
410	[790, 791]	2865	[1146, 4170]	5320	[6902, 3456]	7775	[6214, 6220]
411	[792, 793]	2866	[4432, 386]	5321	[1417, 6843]	7776	[3450, 8472]
412	[794, 795]	2867	[4415, 3478]	5322	[6903, 6742]	7777	[3281, 8636]
413	[796, 797]	2868	[64, 1519]	5323	[6563, 930]	7778	[8637, 8638]
414	[798, 799]	2869	[72, 4433]	5324	[6491, 288]	7779	[6134, 3393]
415	[800, 801]	2870	[4434, 4435]	5325	[1652, 3398]	7780	[6541, 8639]
416	[802, 803]	2871	[4436, 4437]	5326	[4082, 1126]	7781	[6189, 8546]
417	[804, 805]	2872	[4438, 4226]	5327	[6904, 6905]	7782	[8640, 8641]
418	[806, 807]	2873	[4439, 4065]	5328	[6906, 6379]	7783	[6525, 1591]
419	[808, 809]	2874	[4440, 1008]	5329	[6907, 1652]	7784	[8642, 994]
420	[810, 811]	2875	[4441, 4442]	5330	[6908, 6909]	7785	[8643, 8448]
421	[812, 762]	2876	[3766, 4443]	5331	[6643, 429]	7786	[6885, 3180]
422	[813, 814]	2877	[4444, 4445]	5332	[3725, 3036]	7787	[8644, 6981]
423	[815, 816]	2878	[1596, 4446]	5333	[6910, 6911]	7788	[8645, 8581]
424	[817, 818]	2879	[3171, 1409]	5334	[4118, 4121]	7789	[8646, 7183]
425	[819, 820]	2880	[1313, 3487]	5335	[6912, 3259]	7790	[8543, 3093]
426	[821, 822]	2881	[4447, 4448]	5336	[6913, 3594]	7791	[8522, 92]
427	[823, 824]	2882	[3759, 4449]	5337	[3881, 381]	7792	[6777, 4169]
428	[825, 826]	2883	[4450, 993]	5338	[4181, 3885]	7793	[6774, 1517]
429	[827, 828]	2884	[1144, 3096]	5339	[6173, 6914]	7794	[7475, 1376]
430	[829, 830]	2885	[1174, 4451]	5340	[6915, 300]	7795	[8647, 3868]
431	[831, 513]	2886	[3242, 4452]	5341	[6916, 6917]	7796	[6982, 8648]
432	[832, 833]	2887	[541, 842]	5342	[6528, 3078]	7797	[3104, 8649]
433	[643, 834]	2888	[4453, 2743]	5343	[6918, 1545]	7798	[1302, 8498]
434	[835, 485]	2889	[2420, 4454]	5344	[6919, 3597]	7799	[8650, 1343]
435	[836, 837]	2890	[50, 4455]	5345	[6630, 3426]	7800	[3815, 4091]
436	[838, 839]	2891	[4456, 4457]	5346	[6920, 6921]	7801	[8651, 7306]
437	[840, 841]	2892	[4458, 1717]	5347	[6404, 6922]	7802	[3593, 8652]
438	[842, 843]	2893	[4459, 4460]	5348	[6923, 6162]	7803	[1615, 3317]
439	[844, 845]	2894	[4461, 1953]	5349	[3615, 1459]	7804	[7096, 8653]
440	[846, 847]	2895	[4462, 4463]	5350	[6924, 1463]	7805	[3102, 1642]
441	[848, 849]	2896	[2342, 2]	5351	[6925, 2945]	7806	[8654, 4061]
442	[850, 851]	2897	[4464, 676]	5352	[6926, 353]	7807	[8655, 8656]

443	[852, 853]	2898	[4465, 2763]	5353	[6644, 3065]	7808	[8657, 8658]
444	[854, 685]	2899	[4466, 4467]	5354	[4146, 6927]	7809	[8659, 8660]
445	[855, 856]	2900	[4468, 2408]	5355	[6928, 6929]	7810	[8661, 8594]
446	[857, 858]	2901	[2876, 2612]	5356	[6930, 1224]	7811	[4347, 8662]
447	[802, 859]	2902	[4469, 805]	5357	[6931, 6932]	7812	[4032, 3245]
448	[860, 861]	2903	[4470, 1882]	5358	[3628, 4352]	7813	[8617, 7151]
449	[862, 863]	2904	[2235, 4471]	5359	[6933, 3022]	7814	[7187, 392]
450	[864, 865]	2905	[4472, 857]	5360	[6856, 3057]	7815	[1632, 6938]
451	[866, 867]	2906	[2812, 4473]	5361	[3546, 6206]	7816	[1434, 6717]
452	[868, 869]	2907	[4474, 4475]	5362	[6934, 6935]	7817	[7051, 8662]
453	[870, 486]	2908	[4476, 4477]	5363	[6936, 3191]	7818	[97, 8663]
454	[871, 872]	2909	[4478, 4479]	5364	[6937, 6938]	7819	[8508, 3494]
455	[873, 874]	2910	[4480, 4481]	5365	[253, 3310]	7820	[8664, 3745]
456	[875, 876]	2911	[4482, 4483]	5366	[461, 6939]	7821	[8665, 8666]
457	[877, 878]	2912	[4484, 4485]	5367	[6940, 6941]	7822	[4182, 6250]
458	[879, 880]	2913	[4486, 2856]	5368	[6780, 1660]	7823	[7062, 1568]
459	[764, 881]	2914	[2818, 4487]	5369	[6942, 6131]	7824	[8667, 8668]
460	[882, 883]	2915	[4488, 4489]	5370	[6432, 3299]	7825	[8669, 8670]
461	[884, 718]	2916	[4490, 4491]	5371	[6943, 934]	7826	[6377, 1607]
462	[885, 886]	2917	[241, 918]	5372	[6944, 6945]	7827	[1457, 4043]
463	[887, 888]	2918	[531, 2082]	5373	[3632, 4187]	7828	[6634, 3224]
464	[889, 890]	2919	[4492, 47]	5374	[6946, 4357]	7829	[8671, 3225]
465	[891, 892]	2920	[4493, 583]	5375	[6947, 6583]	7830	[6388, 4038]
466	[528, 893]	2921	[4494, 4495]	5376	[1201, 3465]	7831	[8672, 4200]
467	[894, 895]	2922	[4496, 4497]	5377	[3560, 3845]	7832	[8673, 3380]
468	[896, 897]	2923	[4498, 4499]	5378	[6948, 3416]	7833	[8511, 3775]
469	[898, 899]	2924	[4500, 4501]	5379	[1219, 1241]	7834	[3220, 8674]
470	[900, 901]	2925	[4502, 4503]	5380	[6949, 6465]	7835	[1580, 124]
471	[902, 903]	2926	[4504, 4505]	5381	[1493, 3540]	7836	[1125, 8675]
472	[884, 904]	2927	[4506, 2868]	5382	[4108, 6950]	7837	[3746, 481]
473	[905, 906]	2928	[2372, 4507]	5383	[6951, 1581]	7838	[3069, 4015]
474	[907, 908]	2929	[2336, 4508]	5384	[6952, 6953]	7839	[8676, 6708]
475	[909, 910]	2930	[4509, 4510]	5385	[4335, 1679]	7840	[4316, 3176]
476	[889, 911]	2931	[582, 4511]	5386	[6954, 6955]	7841	[8677, 2893]
477	[912, 913]	2932	[4512, 4513]	5387	[6956, 101]	7842	[6735, 6731]
478	[914, 915]	2933	[4514, 1916]	5388	[6957, 6958]	7843	[3238, 3352]
479	[916, 917]	2934	[2796, 772]	5389	[6909, 6959]	7844	[8678, 3080]
480	[918, 900]	2935	[2383, 2423]	5390	[1363, 6960]	7845	[334, 1186]
481	[919, 920]	2936	[235, 4515]	5391	[6635, 6201]	7846	[965, 8679]
482	[921, 922]	2937	[4516, 4517]	5392	[6961, 6962]	7847	[8680, 8681]
483	[923, 924]	2938	[4518, 4519]	5393	[6512, 3735]	7848	[8682, 3447]
484	[925, 926]	2939	[4520, 4521]	5394	[4120, 6963]	7849	[3882, 8683]
485	[927, 928]	2940	[4522, 2175]	5395	[1070, 6964]	7850	[8684, 3765]
486	[929, 930]	2941	[2739, 4523]	5396	[1498, 6965]	7851	[3288, 8549]

487	[931, 932]	2942	[4524, 4525]	5397	[3401, 6864]	7852	[6785, 6092]
488	[933, 934]	2943	[4526, 1766]	5398	[6966, 4072]	7853	[4147, 1465]
489	[935, 936]	2944	[4527, 4528]	5399	[6967, 3422]	7854	[8685, 8686]
490	[937, 938]	2945	[4529, 4530]	5400	[6968, 6969]	7855	[7361, 8687]
491	[939, 940]	2946	[4531, 2871]	5401	[6401, 4110]	7856	[8688, 1235]
492	[941, 942]	2947	[4532, 4533]	5402	[6970, 1078]	7857	[3533, 7408]
493	[943, 944]	2948	[4534, 2663]	5403	[6971, 998]	7858	[936, 8689]
494	[945, 946]	2949	[4535, 4536]	5404	[6166, 6803]	7859	[8690, 7042]
495	[947, 948]	2950	[4537, 4538]	5405	[6972, 6973]	7860	[8691, 8692]
496	[949, 950]	2951	[4539, 4540]	5406	[6974, 1256]	7861	[3946, 4398]
497	[951, 952]	2952	[543, 4541]	5407	[4196, 6975]	7862	[8693, 1602]
498	[953, 954]	2953	[4542, 4543]	5408	[6976, 6977]	7863	[6306, 6361]
499	[955, 956]	2954	[577, 570]	5409	[6978, 6979]	7864	[8694, 7276]
500	[957, 958]	2955	[4544, 2337]	5410	[314, 77]	7865	[8695, 1598]
501	[959, 960]	2956	[4545, 4546]	5411	[6980, 6981]	7866	[6951, 1057]
502	[961, 962]	2957	[4547, 4548]	5412	[6982, 6407]	7867	[8690, 1152]
503	[963, 964]	2958	[4549, 4550]	5413	[6983, 2967]	7868	[7142, 932]
504	[965, 966]	2959	[4551, 691]	5414	[6984, 6701]	7869	[8696, 3301]
505	[967, 968]	2960	[4552, 4553]	5415	[3310, 401]	7870	[4296, 8673]
506	[969, 970]	2961	[4554, 2581]	5416	[4388, 3822]	7871	[86, 6271]
507	[971, 972]	2962	[4555, 4556]	5417	[6985, 3814]	7872	[6531, 6120]
508	[973, 974]	2963	[4557, 4558]	5418	[4178, 6986]	7873	[3995, 4159]
509	[975, 976]	2964	[4559, 4560]	5419	[6987, 6988]	7874	[2978, 6549]
510	[977, 978]	2965	[4561, 4562]	5420	[6989, 1101]	7875	[6204, 3055]
511	[979, 980]	2966	[4563, 4471]	5421	[4113, 6990]	7876	[3951, 7356]
512	[981, 982]	2967	[4564, 2046]	5422	[3640, 6950]	7877	[8697, 8532]
513	[983, 984]	2968	[2620, 2367]	5423	[3943, 3300]	7878	[8698, 8699]
514	[985, 986]	2969	[4565, 2477]	5424	[6991, 6992]	7879	[8700, 6205]
515	[987, 988]	2970	[242, 900]	5425	[3473, 6463]	7880	[8701, 7425]
516	[989, 990]	2971	[626, 2754]	5426	[6993, 1240]	7881	[8702, 7463]
517	[991, 992]	2972	[4566, 4567]	5427	[6994, 6112]	7882	[8703, 6945]
518	[993, 994]	2973	[4568, 809]	5428	[6995, 6814]	7883	[8704, 6287]
519	[995, 996]	2974	[4569, 492]	5429	[1249, 6966]	7884	[927, 6808]
520	[997, 998]	2975	[4570, 219]	5430	[6996, 1175]	7885	[3315, 8705]
521	[999, 1000]	2976	[4571, 4572]	5431	[6997, 4071]	7886	[8706, 3146]
522	[1001, 1002]	2977	[2424, 4573]	5432	[6998, 6558]	7887	[1700, 8707]
523	[464, 1003]	2978	[4574, 155]	5433	[4022, 2933]	7888	[4026, 8708]
524	[1004, 321]	2979	[4575, 2712]	5434	[6999, 6915]	7889	[8709, 1378]
525	[1005, 1006]	2980	[4576, 4577]	5435	[7000, 6343]	7890	[2973, 3131]
526	[1007, 1008]	2981	[4578, 4579]	5436	[7001, 3286]	7891	[8532, 339]
527	[1009, 1010]	2982	[1857, 2847]	5437	[7002, 7003]	7892	[347, 8444]
528	[1011, 1012]	2983	[4580, 4518]	5438	[3152, 68]	7893	[8710, 6305]
529	[1013, 1014]	2984	[4581, 4582]	5439	[7004, 3112]	7894	[3652, 3264]
530	[1015, 1016]	2985	[2798, 4583]	5440	[3035, 3726]	7895	[8711, 7060]

531	[1017, 1018]	2986	[4523, 4584]	5441	[7005, 3431]	7896	[7471, 6460]
532	[1019, 1020]	2987	[4585, 4586]	5442	[1673, 7006]	7897	[8712, 456]
533	[1021, 1022]	2988	[4587, 1846]	5443	[2931, 2984]	7898	[8713, 6711]
534	[1023, 1024]	2989	[835, 870]	5444	[7007, 6973]	7899	[8714, 7336]
535	[1025, 1026]	2990	[1869, 2325]	5445	[6809, 6840]	7900	[8514, 3974]
536	[1027, 1028]	2991	[2753, 2010]	5446	[1311, 6557]	7901	[3470, 319]
537	[1029, 1030]	2992	[4588, 4589]	5447	[307, 1696]	7902	[3744, 1626]
538	[1010, 1031]	2993	[4590, 626]	5448	[1292, 7008]	7903	[8715, 6858]
539	[1032, 1033]	2994	[4591, 4592]	5449	[6967, 3907]	7904	[4294, 1243]
540	[1034, 1035]	2995	[4593, 2684]	5450	[7009, 3010]	7905	[315, 6891]
541	[1036, 1037]	2996	[4594, 4595]	5451	[7010, 7011]	7906	[8716, 8717]
542	[1038, 1039]	2997	[4596, 2079]	5452	[1371, 7012]	7907	[6451, 6163]
543	[1040, 351]	2998	[4597, 2499]	5453	[7013, 400]	7908	[1431, 1580]
544	[434, 1041]	2999	[4508, 4598]	5454	[3992, 2906]	7909	[8718, 1537]
545	[1042, 1043]	3000	[4599, 2566]	5455	[7014, 1501]	7910	[6519, 6533]
546	[1044, 1045]	3001	[4600, 4601]	5456	[7015, 7016]	7911	[7029, 3123]
547	[1046, 1047]	3002	[4602, 4603]	5457	[1285, 1111]	7912	[8719, 1255]
548	[1048, 1049]	3003	[4604, 4605]	5458	[6788, 3037]	7913	[450, 7046]
549	[1050, 1051]	3004	[4606, 4607]	5459	[6287, 7017]	7914	[7382, 3550]
550	[1052, 1053]	3005	[4608, 4609]	5460	[7018, 1576]	7915	[6675, 1189]
551	[329, 1054]	3006	[4610, 1833]	5461	[988, 1634]	7916	[3618, 8720]
552	[1055, 1056]	3007	[4611, 613]	5462	[7019, 1662]	7917	[8721, 7407]
553	[1057, 1058]	3008	[4612, 4613]	5463	[4046, 6512]	7918	[8722, 1310]
554	[1059, 1060]	3009	[827, 4614]	5464	[372, 995]	7919	[8723, 3699]
555	[1061, 1062]	3010	[2195, 4615]	5465	[3980, 7020]	7920	[6679, 6564]
556	[1063, 1064]	3011	[4616, 2424]	5466	[7021, 3996]	7921	[4446, 8724]
557	[1065, 1066]	3012	[602, 240]	5467	[3158, 6438]	7922	[8725, 3802]
558	[1067, 1068]	3013	[4617, 2059]	5468	[6337, 3331]	7923	[4346, 8726]
559	[1069, 1070]	3014	[2548, 1967]	5469	[3166, 7022]	7924	[8727, 8728]
560	[1071, 1072]	3015	[4618, 4619]	5470	[4099, 7023]	7925	[8729, 4222]
561	[1073, 1074]	3016	[4620, 2744]	5471	[7024, 4001]	7926	[6305, 414]
562	[1075, 1076]	3017	[4621, 585]	5472	[342, 972]	7927	[3171, 8541]
563	[1077, 1078]	3018	[4622, 2147]	5473	[1467, 4058]	7928	[8730, 4061]
564	[1079, 1080]	3019	[4623, 4505]	5474	[3951, 4102]	7929	[8731, 8724]
565	[1081, 1082]	3020	[4624, 1792]	5475	[7025, 6909]	7930	[6960, 4328]
566	[984, 1083]	3021	[180, 4625]	5476	[7026, 3940]	7931	[6667, 3864]
567	[1084, 411]	3022	[4626, 4473]	5477	[4394, 465]	7932	[8732, 4337]
568	[1085, 1086]	3023	[4627, 1814]	5478	[7027, 3086]	7933	[3602, 6915]
569	[1087, 1088]	3024	[4628, 4629]	5479	[1361, 270]	7934	[7217, 8477]
570	[1089, 1090]	3025	[4630, 4631]	5480	[85, 3569]	7935	[8733, 8491]
571	[1091, 1092]	3026	[2492, 4632]	5481	[364, 7028]	7936	[8734, 8610]
572	[1093, 1094]	3027	[4633, 223]	5482	[6641, 3859]	7937	[6729, 8735]
573	[1095, 1096]	3028	[4634, 4635]	5483	[7029, 4217]	7938	[8736, 7273]
574	[1097, 1098]	3029	[4636, 566]	5484	[7030, 6781]	7939	[8737, 6881]

575	[1099, 1100]	3030	[4637, 4638]	5485	[6697, 3941]	7940	[3274, 8738]
576	[1101, 1089]	3031	[4639, 4640]	5486	[7031, 3273]	7941	[1048, 6685]
577	[1102, 1103]	3032	[2658, 247]	5487	[3592, 3143]	7942	[6745, 1405]
578	[1104, 1105]	3033	[4641, 4642]	5488	[4172, 3293]	7943	[8739, 3277]
579	[1106, 1107]	3034	[4643, 4644]	5489	[7032, 7033]	7944	[3658, 6620]
580	[1108, 1109]	3035	[2282, 4645]	5490	[7034, 1661]	7945	[8740, 8741]
581	[1110, 1111]	3036	[4646, 4647]	5491	[7035, 4148]	7946	[971, 3187]
582	[1112, 1113]	3037	[551, 2641]	5492	[6915, 7036]	7947	[8742, 4342]
583	[1114, 1115]	3038	[186, 4648]	5493	[395, 6319]	7948	[8743, 3006]
584	[1116, 1117]	3039	[4649, 4584]	5494	[7037, 3615]	7949	[3888, 8744]
585	[1118, 1088]	3040	[1879, 4650]	5495	[4310, 6953]	7950	[7375, 6594]
586	[1119, 1120]	3041	[4651, 785]	5496	[7038, 7039]	7951	[8745, 1644]
587	[1121, 1122]	3042	[4652, 4653]	5497	[7021, 7040]	7952	[6279, 6725]
588	[1123, 1124]	3043	[4654, 4655]	5498	[6957, 6714]	7953	[6627, 6720]
589	[1125, 1126]	3044	[4520, 792]	5499	[7041, 6492]	7954	[3403, 6376]
590	[1127, 1128]	3045	[32, 4656]	5500	[7042, 1153]	7955	[3591, 8540]
591	[1129, 1130]	3046	[510, 4657]	5501	[1045, 355]	7956	[6905, 1257]
592	[1131, 1132]	3047	[2790, 4658]	5502	[7043, 7044]	7957	[8746, 6482]
593	[1133, 1134]	3048	[4659, 4655]	5503	[1595, 1230]	7958	[1239, 8747]
594	[1135, 1136]	3049	[4660, 4661]	5504	[7045, 6493]	7959	[978, 1462]
595	[1137, 1138]	3050	[860, 4662]	5505	[2915, 7046]	7960	[6703, 3619]
596	[1139, 1140]	3051	[4663, 4664]	5506	[3568, 1215]	7961	[1243, 3620]
597	[1141, 1142]	3052	[4665, 4666]	5507	[6382, 1595]	7962	[8748, 1116]
598	[1143, 1144]	3053	[4667, 2072]	5508	[7047, 7048]	7963	[8749, 8750]
599	[1145, 1146]	3054	[4668, 4669]	5509	[7049, 7050]	7964	[8751, 6492]
600	[1147, 1148]	3055	[4670, 4671]	5510	[7051, 4348]	7965	[8752, 3737]
601	[1149, 1150]	3056	[4653, 4495]	5511	[7052, 960]	7966	[4414, 3477]
602	[1151, 415]	3057	[4672, 2550]	5512	[86, 3570]	7967	[8753, 3223]
603	[1152, 1153]	3058	[4673, 185]	5513	[3427, 7053]	7968	[8754, 950]
604	[1154, 1155]	3059	[4674, 4675]	5514	[4376, 3061]	7969	[1507, 8755]
605	[1156, 1157]	3060	[498, 2879]	5515	[7054, 7055]	7970	[8756, 8757]
606	[378, 1158]	3061	[4676, 591]	5516	[6566, 7056]	7971	[3945, 3418]
607	[1159, 1160]	3062	[4677, 1929]	5517	[7057, 7058]	7972	[8758, 4382]
608	[1161, 1162]	3063	[4678, 2666]	5518	[7059, 7060]	7973	[3423, 356]
609	[1163, 1164]	3064	[4679, 4680]	5519	[6649, 7061]	7974	[8759, 1227]
610	[432, 264]	3065	[4681, 1917]	5520	[3689, 1695]	7975	[4155, 3307]
611	[1165, 311]	3066	[4682, 559]	5521	[7062, 364]	7976	[4156, 8760]
612	[1166, 1167]	3067	[4683, 2249]	5522	[1644, 2905]	7977	[8761, 6387]
613	[1168, 1169]	3068	[4684, 4685]	5523	[6946, 3325]	7978	[8762, 3108]
614	[1170, 1171]	3069	[4686, 4687]	5524	[7063, 3932]	7979	[1374, 7300]
615	[1172, 1173]	3070	[246, 2513]	5525	[1476, 4410]	7980	[8763, 6655]
616	[1174, 1175]	3071	[4688, 2085]	5526	[1375, 7064]	7981	[3651, 3314]
617	[1176, 1177]	3072	[4689, 4690]	5527	[389, 1075]	7982	[8764, 3916]
618	[1178, 1039]	3073	[4691, 1892]	5528	[7065, 967]	7983	[103, 1368]

619	[1179, 1180]	3074	[4692, 4559]	5529	[7066, 7067]	7984	[8765, 8766]
620	[1141, 1181]	3075	[4693, 4694]	5530	[7068, 1654]	7985	[8767, 6159]
621	[1182, 1183]	3076	[2018, 4695]	5531	[1205, 3935]	7986	[6153, 6262]
622	[1184, 1095]	3077	[4696, 148]	5532	[7069, 7070]	7987	[8768, 8769]
623	[1185, 1186]	3078	[4697, 4698]	5533	[7071, 4150]	7988	[3870, 8770]
624	[1187, 1188]	3079	[4699, 4700]	5534	[6731, 3957]	7989	[8771, 8772]
625	[1189, 1190]	3080	[4701, 750]	5535	[6443, 6344]	7990	[7427, 8443]
626	[446, 1191]	3081	[4702, 4703]	5536	[6884, 1666]	7991	[8773, 6694]
627	[1192, 1193]	3082	[2215, 2288]	5537	[1698, 7072]	7992	[6501, 8774]
628	[1194, 1195]	3083	[4704, 4705]	5538	[7073, 6563]	7993	[4033, 6352]
629	[1196, 1197]	3084	[4706, 4707]	5539	[282, 7074]	7994	[7232, 3848]
630	[1198, 1199]	3085	[523, 4708]	5540	[7075, 7076]	7995	[8775, 8776]
631	[1200, 1201]	3086	[1771, 4709]	5541	[7077, 7078]	7996	[3059, 7195]
632	[1202, 1203]	3087	[4710, 4711]	5542	[7079, 7080]	7997	[8655, 6218]
633	[1204, 1205]	3088	[803, 2395]	5543	[6843, 3357]	7998	[3462, 3433]
634	[1206, 1207]	3089	[4712, 4713]	5544	[1466, 6104]	7999	[4410, 8777]
635	[1208, 1209]	3090	[4714, 4715]	5545	[7081, 4190]	8000	[8778, 8779]
636	[1210, 1211]	3091	[4716, 4717]	5546	[6275, 7082]	8001	[6956, 7459]
637	[1212, 1213]	3092	[4718, 4719]	5547	[3631, 7083]	8002	[6295, 1001]
638	[1214, 1215]	3093	[4720, 2425]	5548	[7084, 6302]	8003	[8780, 6817]
639	[1216, 1217]	3094	[4721, 4722]	5549	[7085, 1514]	8004	[1230, 4446]
640	[444, 1218]	3095	[4723, 663]	5550	[7086, 4118]	8005	[6668, 3865]
641	[1219, 1220]	3096	[2070, 2038]	5551	[1498, 7087]	8006	[8781, 8782]
642	[1221, 1222]	3097	[4724, 1811]	5552	[7088, 3571]	8007	[1106, 8783]
643	[1223, 1224]	3098	[4725, 4726]	5553	[1475, 3082]	8008	[6570, 4145]
644	[1225, 1226]	3099	[4727, 4464]	5554	[3543, 3546]	8009	[4262, 6933]
645	[1227, 1228]	3100	[4728, 2119]	5555	[1078, 4389]	8010	[8784, 4252]
646	[1229, 1230]	3101	[4729, 4730]	5556	[7089, 6245]	8011	[3493, 8612]
647	[1231, 1232]	3102	[4731, 1926]	5557	[7090, 3792]	8012	[8785, 3571]
648	[469, 1233]	3103	[695, 602]	5558	[3264, 399]	8013	[8786, 8787]
649	[1234, 1235]	3104	[4732, 4733]	5559	[6836, 4049]	8014	[8788, 6458]
650	[1236, 1237]	3105	[2040, 4734]	5560	[4265, 6964]	8015	[1075, 4279]
651	[1238, 1220]	3106	[4735, 1952]	5561	[3456, 7091]	8016	[8789, 6403]
652	[1239, 1240]	3107	[2653, 4736]	5562	[3012, 7092]	8017	[8790, 8605]
653	[1241, 1242]	3108	[4737, 4738]	5563	[7093, 7094]	8018	[6605, 3596]
654	[1243, 1244]	3109	[4666, 4739]	5564	[3157, 6437]	8019	[6713, 6958]
655	[1245, 1246]	3110	[4740, 2848]	5565	[6807, 928]	8020	[8791, 8792]
656	[1247, 1248]	3111	[1708, 4741]	5566	[3123, 6750]	8021	[6917, 3279]
657	[1249, 1250]	3112	[4742, 639]	5567	[3955, 7095]	8022	[8559, 6594]
658	[1251, 1252]	3113	[2542, 2561]	5568	[6995, 3376]	8023	[6670, 3998]
659	[1253, 1254]	3114	[4743, 2154]	5569	[7096, 310]	8024	[8751, 3365]
660	[1255, 25]	3115	[4744, 4745]	5570	[7097, 6517]	8025	[6521, 6637]
661	[1256, 1257]	3116	[4746, 4747]	5571	[2958, 1042]	8026	[8793, 8794]
662	[1258, 1156]	3117	[4748, 4749]	5572	[3165, 3452]	8027	[8795, 1387]

663	[1259, 1031]	3118	[4750, 2523]	5573	[7098, 3289]	8028	[8796, 3722]
664	[1260, 1261]	3119	[4521, 793]	5574	[7099, 7100]	8029	[8725, 1025]
665	[1262, 1263]	3120	[4751, 4752]	5575	[7101, 6521]	8030	[7328, 6174]
666	[1264, 1265]	3121	[1875, 708]	5576	[3381, 3806]	8031	[3080, 7341]
667	[1266, 1267]	3122	[4753, 4754]	5577	[7102, 2887]	8032	[6828, 1110]
668	[1268, 1269]	3123	[4755, 2054]	5578	[3703, 3027]	8033	[7258, 6276]
669	[1270, 1271]	3124	[1857, 4740]	5579	[7103, 1047]	8034	[7313, 6391]
670	[1272, 279]	3125	[2525, 4756]	5580	[7104, 1180]	8035	[1633, 6282]
671	[1273, 1274]	3126	[1944, 4757]	5581	[7105, 6489]	8036	[2946, 3955]
672	[1275, 1276]	3127	[545, 4758]	5582	[3180, 7106]	8037	[8797, 8798]
673	[1277, 1278]	3128	[4759, 4589]	5583	[6849, 6834]	8038	[4136, 64]
674	[1279, 1280]	3129	[4760, 838]	5584	[7107, 6284]	8039	[3891, 4141]
675	[1281, 1282]	3130	[2532, 2735]	5585	[1453, 6451]	8040	[8799, 1086]
676	[1283, 1284]	3131	[4567, 4487]	5586	[7108, 4130]	8041	[4096, 6111]
677	[1285, 1286]	3132	[33, 4761]	5587	[7109, 7110]	8042	[2930, 8800]
678	[1287, 1288]	3133	[4762, 2257]	5588	[6532, 6520]	8043	[6876, 6668]
679	[1289, 1290]	3134	[615, 816]	5589	[7111, 7112]	8044	[8801, 6370]
680	[1291, 1292]	3135	[4763, 624]	5590	[2940, 3119]	8045	[7018, 3260]
681	[1293, 291]	3136	[4764, 4765]	5591	[6537, 3095]	8046	[3779, 7092]
682	[1294, 1295]	3137	[4766, 2832]	5592	[7113, 4216]	8047	[7327, 8802]
683	[1296, 1297]	3138	[4767, 4768]	5593	[7114, 7115]	8048	[3199, 6501]
684	[1298, 1299]	3139	[4769, 4609]	5594	[7116, 7117]	8049	[437, 8803]
685	[1300, 1301]	3140	[684, 1731]	5595	[1646, 3837]	8050	[8804, 8805]
686	[1302, 1303]	3141	[2293, 4770]	5596	[7118, 2930]	8051	[1526, 1688]
687	[1304, 1305]	3142	[735, 781]	5597	[7119, 961]	8052	[8680, 6819]
688	[1306, 1307]	3143	[4771, 4772]	5598	[4371, 6758]	8053	[3941, 4263]
689	[1308, 1309]	3144	[4773, 4774]	5599	[28, 79]	8054	[75, 8806]
690	[1310, 1311]	3145	[4775, 2418]	5600	[6966, 1639]	8055	[8550, 1109]
691	[1312, 1313]	3146	[4776, 2452]	5601	[6485, 3606]	8056	[8807, 6246]
692	[1314, 1315]	3147	[4777, 1887]	5602	[7120, 3617]	8057	[3804, 6696]
693	[1316, 1317]	3148	[4778, 4779]	5603	[7121, 6309]	8058	[8808, 4234]
694	[1104, 1318]	3149	[4780, 4781]	5604	[7122, 3021]	8059	[6618, 403]
695	[1319, 1152]	3150	[4782, 4783]	5605	[7123, 81]	8060	[8809, 3820]
696	[1320, 1321]	3151	[4784, 4785]	5606	[4386, 7124]	8061	[8810, 6722]
697	[1322, 1323]	3152	[4786, 4787]	5607	[7125, 6995]	8062	[6543, 29]
698	[1324, 1325]	3153	[4788, 4789]	5608	[115, 3717]	8063	[8811, 8812]
699	[1326, 1327]	3154	[4790, 4791]	5609	[7126, 339]	8064	[8813, 4312]
700	[1328, 1329]	3155	[4792, 2753]	5610	[3186, 6097]	8065	[6396, 4306]
701	[1330, 1331]	3156	[4793, 756]	5611	[1543, 7127]	8066	[7364, 4140]
702	[1332, 1232]	3157	[2398, 4794]	5612	[83, 4371]	8067	[1176, 6789]
703	[1333, 1334]	3158	[4795, 2165]	5613	[7128, 6898]	8068	[8814, 7431]
704	[1335, 1336]	3159	[4796, 4797]	5614	[7129, 7130]	8069	[7109, 1411]
705	[1337, 1338]	3160	[4798, 4799]	5615	[7131, 7132]	8070	[7371, 6252]
706	[1339, 1340]	3161	[4800, 540]	5616	[7133, 1125]	8071	[8815, 3500]

707	[1341, 1342]	3162	[4801, 4802]	5617	[7134, 7135]	8072	[8816, 8817]
708	[1343, 1344]	3163	[2246, 4803]	5618	[1280, 1084]	8073	[8818, 1561]
709	[1345, 1346]	3164	[2689, 4804]	5619	[2927, 3929]	8074	[1051, 1075]
710	[1347, 1348]	3165	[4805, 4806]	5620	[4079, 6813]	8075	[8819, 1077]
711	[1349, 1350]	3166	[4807, 4808]	5621	[2939, 3118]	8076	[3777, 3363]
712	[1351, 1352]	3167	[4809, 244]	5622	[7136, 7137]	8077	[8820, 6546]
713	[1353, 1354]	3168	[4810, 4665]	5623	[7138, 7139]	8078	[6479, 3225]
714	[1355, 1356]	3169	[2223, 2739]	5624	[6239, 3463]	8079	[1641, 3103]
715	[1357, 1358]	3170	[4811, 2720]	5625	[3805, 4237]	8080	[8821, 3631]
716	[1359, 1360]	3171	[4812, 2090]	5626	[7140, 1036]	8081	[1538, 3115]
717	[1361, 1362]	3172	[787, 2063]	5627	[7141, 6136]	8082	[8822, 7362]
718	[1363, 1364]	3173	[4572, 4813]	5628	[3903, 6841]	8083	[8823, 8686]
719	[1365, 1366]	3174	[4814, 4815]	5629	[7142, 7143]	8084	[4444, 8449]
720	[1367, 1368]	3175	[4816, 4817]	5630	[1009, 1259]	8085	[8824, 1221]
721	[1369, 1370]	3176	[1930, 4818]	5631	[7144, 1391]	8086	[3555, 8825]
722	[1371, 1372]	3177	[529, 2757]	5632	[7145, 7146]	8087	[6365, 2937]
723	[1373, 1374]	3178	[4819, 2527]	5633	[6489, 1531]	8088	[1316, 1365]
724	[1375, 1376]	3179	[2560, 2135]	5634	[7147, 7134]	8089	[8826, 6498]
725	[1377, 1378]	3180	[4820, 2252]	5635	[7148, 7149]	8090	[6904, 1256]
726	[1379, 1380]	3181	[4821, 4822]	5636	[7150, 7151]	8091	[3190, 8827]
727	[1314, 1381]	3182	[4823, 2174]	5637	[7152, 3770]	8092	[8828, 8829]
728	[1382, 1383]	3183	[721, 2127]	5638	[3365, 3823]	8093	[251, 417]
729	[1384, 1385]	3184	[4824, 2463]	5639	[7153, 7154]	8094	[8830, 8533]
730	[1386, 1387]	3185	[4825, 4826]	5640	[3431, 6255]	8095	[8627, 6629]
731	[1388, 1389]	3186	[1710, 830]	5641	[7155, 4204]	8096	[4053, 20]
732	[1390, 1391]	3187	[4827, 4828]	5642	[7156, 7157]	8097	[8831, 3420]
733	[1392, 1393]	3188	[4829, 4830]	5643	[7158, 7135]	8098	[8832, 6286]
734	[1394, 277]	3189	[1947, 4831]	5644	[6445, 7159]	8099	[8650, 4024]
735	[1395, 1151]	3190	[1840, 135]	5645	[1238, 1241]	8100	[3028, 7171]
736	[1396, 1397]	3191	[4832, 2715]	5646	[3997, 6671]	8101	[3023, 306]
737	[1398, 1399]	3192	[4833, 4834]	5647	[3831, 3252]	8102	[6607, 4402]
738	[1400, 1401]	3193	[4835, 4836]	5648	[7160, 7161]	8103	[7198, 4114]
739	[1402, 1403]	3194	[4837, 4838]	5649	[1225, 124]	8104	[3392, 3527]
740	[1404, 1405]	3195	[4839, 4840]	5650	[7162, 6887]	8105	[8833, 7465]
741	[1406, 1407]	3196	[4841, 2168]	5651	[7014, 7163]	8106	[8834, 278]
742	[1408, 1409]	3197	[4842, 1928]	5652	[7164, 7165]	8107	[1052, 6740]
743	[1410, 1411]	3198	[4774, 2794]	5653	[7166, 7167]	8108	[3619, 254]
744	[1412, 997]	3199	[4843, 4844]	5654	[7168, 6185]	8109	[8835, 8708]
745	[1413, 1414]	3200	[4845, 4846]	5655	[7169, 3937]	8110	[7448, 1059]
746	[1415, 1416]	3201	[4847, 755]	5656	[3519, 338]	8111	[3418, 1678]
747	[1417, 1418]	3202	[581, 4848]	5657	[6746, 2908]	8112	[1568, 7028]
748	[1419, 1420]	3203	[4849, 1818]	5658	[7170, 7171]	8113	[6624, 3618]
749	[1421, 1064]	3204	[4850, 2453]	5659	[7172, 6112]	8114	[8836, 1062]
750	[1422, 1423]	3205	[2610, 4851]	5660	[6654, 3211]	8115	[8837, 3092]

751	[1424, 1425]	3206	[4852, 1831]	5661	[4127, 3868]	8116	[265, 3723]
752	[1426, 1427]	3207	[4853, 4854]	5662	[7173, 7174]	8117	[8838, 8839]
753	[1428, 1429]	3208	[4855, 563]	5663	[7175, 3460]	8118	[4319, 1338]
754	[1430, 1431]	3209	[4856, 4857]	5664	[7176, 1300]	8119	[2991, 6486]
755	[1432, 1433]	3210	[4858, 2591]	5665	[7177, 7178]	8120	[6187, 8840]
756	[1434, 1435]	3211	[2802, 2710]	5666	[4224, 1636]	8121	[8841, 1475]
757	[1436, 1437]	3212	[4859, 4860]	5667	[6391, 3040]	8122	[8842, 6935]
758	[1438, 1439]	3213	[4861, 4862]	5668	[3114, 1539]	8123	[6655, 3212]
759	[1440, 1441]	3214	[4863, 4864]	5669	[7179, 6340]	8124	[8843, 3846]
760	[1442, 1443]	3215	[4865, 4866]	5670	[3519, 1355]	8125	[3989, 3518]
761	[1119, 1316]	3216	[4867, 617]	5671	[3016, 7180]	8126	[8844, 1622]
762	[1444, 1445]	3217	[4868, 4801]	5672	[366, 7181]	8127	[8845, 8817]
763	[1446, 1447]	3218	[4869, 4870]	5673	[7182, 7183]	8128	[8446, 3251]
764	[1321, 1271]	3219	[4871, 2235]	5674	[7184, 3032]	8129	[4362, 8846]
765	[1448, 268]	3220	[4872, 152]	5675	[939, 3156]	8130	[8847, 8463]
766	[1449, 1450]	3221	[4873, 4874]	5676	[7185, 7186]	8131	[6298, 8806]
767	[1451, 1452]	3222	[4875, 2172]	5677	[7187, 7188]	8132	[6773, 924]
768	[1453, 1073]	3223	[4876, 4484]	5678	[3497, 1485]	8133	[8848, 272]
769	[1388, 1454]	3224	[4877, 4671]	5679	[3642, 1351]	8134	[8849, 3523]
770	[1455, 1456]	3225	[4878, 541]	5680	[1559, 7189]	8135	[8850, 8717]
771	[1457, 1458]	3226	[4879, 4494]	5681	[7190, 3531]	8136	[339, 7237]
772	[1459, 1460]	3227	[4880, 8]	5682	[1521, 6921]	8137	[8851, 8852]
773	[1461, 1462]	3228	[4881, 4882]	5683	[7191, 1478]	8138	[4327, 6267]
774	[1463, 1464]	3229	[499, 4883]	5684	[3101, 4421]	8139	[8853, 3469]
775	[1465, 1466]	3230	[1859, 4884]	5685	[6815, 1612]	8140	[3246, 1346]
776	[91, 1467]	3231	[4885, 4886]	5686	[7192, 1415]	8141	[8854, 7186]
777	[1468, 1253]	3232	[4887, 2338]	5687	[7193, 7194]	8142	[6812, 3577]
778	[1469, 1470]	3233	[4888, 4889]	5688	[6833, 6850]	8143	[8855, 8544]
779	[1218, 1471]	3234	[4890, 4891]	5689	[6447, 7195]	8144	[3339, 7450]
780	[1472, 1318]	3235	[4892, 4893]	5690	[6299, 6690]	8145	[8771, 8516]
781	[1473, 1474]	3236	[614, 815]	5691	[7196, 7197]	8146	[4037, 977]
782	[1475, 1476]	3237	[4894, 4895]	5692	[7198, 6990]	8147	[8577, 8602]
783	[1477, 1478]	3238	[2120, 4896]	5693	[7199, 7200]	8148	[6155, 3061]
784	[1479, 1480]	3239	[4897, 4898]	5694	[7201, 7202]	8149	[1172, 8856]
785	[1126, 1481]	3240	[4899, 4900]	5695	[7203, 7204]	8150	[8793, 1440]
786	[30, 1482]	3241	[4901, 1976]	5696	[257, 7205]	8151	[8857, 8858]
787	[79, 1197]	3242	[2545, 4577]	5697	[1283, 1113]	8152	[8859, 7194]
788	[1483, 1484]	3243	[4902, 2047]	5698	[2962, 474]	8153	[7071, 7230]
789	[1485, 1164]	3244	[4903, 2610]	5699	[63, 4137]	8154	[8860, 6848]
790	[1486, 1487]	3245	[4904, 2687]	5700	[6987, 7206]	8155	[8861, 8862]
791	[1488, 1489]	3246	[1757, 2703]	5701	[7207, 7208]	8156	[8863, 8864]
792	[1490, 1491]	3247	[4905, 4906]	5702	[7209, 7210]	8157	[8865, 8866]
793	[1492, 79]	3248	[2599, 2377]	5703	[3327, 6381]	8158	[6127, 1102]
794	[1493, 1494]	3249	[1897, 4765]	5704	[7211, 6141]	8159	[4427, 3512]

795	[1495, 1496]	3250	[4907, 2850]	5705	[3673, 3604]	8160	[8867, 3169]
796	[1497, 1498]	3251	[665, 4644]	5706	[7212, 1640]	8161	[3193, 3789]
797	[463, 1499]	3252	[2441, 1778]	5707	[6456, 7213]	8162	[8868, 8826]
798	[1500, 1501]	3253	[4554, 4908]	5708	[7214, 7215]	8163	[6434, 8869]
799	[424, 123]	3254	[4909, 4910]	5709	[3775, 3635]	8164	[7200, 3713]
800	[954, 1502]	3255	[4911, 4912]	5710	[6191, 7070]	8165	[3447, 8795]
801	[1503, 1504]	3256	[4913, 4914]	5711	[7216, 6473]	8166	[8870, 8871]
802	[1505, 1506]	3257	[4915, 4916]	5712	[3282, 7217]	8167	[8872, 3911]
803	[1507, 1508]	3258	[4917, 2706]	5713	[7218, 7219]	8168	[6983, 7403]
804	[1155, 1509]	3259	[4918, 4919]	5714	[7220, 309]	8169	[3081, 1476]
805	[1510, 1050]	3260	[4920, 4921]	5715	[7221, 7222]	8170	[4434, 6248]
806	[1511, 1512]	3261	[4922, 2478]	5716	[7223, 7224]	8171	[8675, 1481]
807	[361, 1513]	3262	[47, 4923]	5717	[3687, 7225]	8172	[95, 3533]
808	[1514, 1177]	3263	[4924, 4925]	5718	[7226, 7227]	8173	[3850, 8873]
809	[1515, 1516]	3264	[4926, 4927]	5719	[6165, 7228]	8174	[8874, 4124]
810	[321, 1517]	3265	[4928, 4929]	5720	[1679, 7229]	8175	[4013, 6865]
811	[1518, 404]	3266	[4930, 4931]	5721	[324, 7230]	8176	[8538, 3249]
812	[1519, 1520]	3267	[4932, 4933]	5722	[15, 4047]	8177	[1425, 3173]
813	[1521, 1522]	3268	[4934, 2656]	5723	[1269, 4083]	8178	[7102, 2920]
814	[1523, 1524]	3269	[4935, 4936]	5724	[7068, 4010]	8179	[8875, 8876]
815	[1525, 1526]	3270	[4937, 1950]	5725	[7231, 2993]	8180	[8877, 3412]
816	[1171, 1527]	3271	[4938, 855]	5726	[7232, 1663]	8181	[1465, 3671]
817	[1528, 1529]	3272	[4939, 767]	5727	[6924, 1700]	8182	[8878, 4256]
818	[1530, 1531]	3273	[2834, 2386]	5728	[3430, 3]	8183	[8698, 6373]
819	[1525, 1184]	3274	[634, 778]	5729	[7233, 70]	8184	[8724, 4214]
820	[1532, 1533]	3275	[4940, 4941]	5730	[3200, 6160]	8185	[8879, 329]
821	[1534, 1535]	3276	[4942, 4525]	5731	[7234, 7235]	8186	[4209, 8880]
822	[1536, 1537]	3277	[4943, 4944]	5732	[7236, 3440]	8187	[8881, 8882]
823	[1538, 1539]	3278	[4945, 4946]	5733	[2976, 7237]	8188	[8883, 8884]
824	[1540, 1541]	3279	[2435, 4947]	5734	[318, 6679]	8189	[6677, 6388]
825	[1542, 1543]	3280	[4948, 4949]	5735	[4359, 1547]	8190	[1579, 1225]
826	[1544, 1545]	3281	[4950, 2030]	5736	[7238, 6493]	8191	[8885, 3171]
827	[1546, 1139]	3282	[2276, 4951]	5737	[7239, 1442]	8192	[4020, 8886]
828	[1017, 1547]	3283	[4620, 4952]	5738	[2994, 7240]	8193	[8887, 7182]
829	[1548, 1549]	3284	[4953, 4513]	5739	[7241, 7242]	8194	[3643, 8888]
830	[1181, 1550]	3285	[4733, 2017]	5740	[338, 1356]	8195	[3262, 6991]
831	[1551, 985]	3286	[4465, 2222]	5741	[7243, 3740]	8196	[4009, 3214]
832	[1552, 1553]	3287	[4954, 894]	5742	[7133, 4082]	8197	[320, 6849]
833	[1554, 1077]	3288	[2420, 4955]	5743	[7244, 7245]	8198	[475, 6716]
834	[1222, 1456]	3289	[4956, 2268]	5744	[3326, 6539]	8199	[8713, 8889]
835	[1555, 1556]	3290	[4957, 4613]	5745	[6920, 1522]	8200	[8890, 8579]
836	[1557, 1558]	3291	[4958, 2724]	5746	[7246, 3491]	8201	[8891, 8869]
837	[1559, 1560]	3292	[4597, 1971]	5747	[6930, 7005]	8202	[8892, 4221]
838	[1561, 1562]	3293	[4959, 126]	5748	[7247, 3643]	8203	[6719, 6628]

839	[1563, 1564]	3294	[4960, 4961]	5749	[7047, 6576]	8204	[8893, 8894]
840	[1565, 1566]	3295	[894, 4962]	5750	[7248, 1443]	8205	[2979, 6346]
841	[1567, 260]	3296	[4963, 500]	5751	[4018, 7249]	8206	[8895, 8896]
842	[1568, 365]	3297	[4964, 4965]	5752	[6848, 3390]	8207	[1089, 6197]
843	[1569, 1570]	3298	[4904, 903]	5753	[1358, 96]	8208	[8897, 6699]
844	[1571, 1572]	3299	[4966, 4967]	5754	[6852, 7161]	8209	[8898, 6729]
845	[1573, 1574]	3300	[693, 2318]	5755	[1184, 1688]	8210	[7262, 969]
846	[1575, 1576]	3301	[4968, 4886]	5756	[7250, 2995]	8211	[3204, 6239]
847	[1577, 1578]	3302	[1735, 4969]	5757	[3892, 4142]	8212	[945, 6223]
848	[1579, 1580]	3303	[697, 764]	5758	[7251, 7252]	8213	[3475, 3866]
849	[1581, 1058]	3304	[2506, 4970]	5759	[7253, 7254]	8214	[8899, 8900]
850	[1582, 1583]	3305	[4971, 4972]	5760	[7255, 7109]	8215	[1678, 8901]
851	[1584, 1585]	3306	[4973, 4576]	5761	[7256, 1227]	8216	[8902, 8616]
852	[1586, 1587]	3307	[4974, 1857]	5762	[7257, 4452]	8217	[7192, 6381]
853	[1588, 1589]	3308	[4975, 4976]	5763	[7258, 7082]	8218	[4082, 8675]
854	[1590, 1591]	3309	[4977, 783]	5764	[7259, 4415]	8219	[8903, 3236]
855	[1445, 1592]	3310	[4978, 2385]	5765	[7260, 7261]	8220	[2983, 2932]
856	[1593, 1594]	3311	[4979, 2883]	5766	[7262, 3409]	8221	[8904, 8905]
857	[1595, 1596]	3312	[4980, 4981]	5767	[3708, 1683]	8222	[8906, 8766]
858	[1597, 1598]	3313	[4982, 4983]	5768	[7263, 6375]	8223	[8633, 4227]
859	[1599, 1600]	3314	[4984, 4985]	5769	[3932, 3402]	8224	[6910, 8907]
860	[354, 1601]	3315	[4627, 4986]	5770	[3812, 4357]	8225	[8908, 8909]
861	[1602, 1603]	3316	[4987, 4988]	5771	[3723, 7264]	8226	[3926, 1150]
862	[1604, 1379]	3317	[4989, 4990]	5772	[7265, 2933]	8227	[8910, 7182]
863	[1605, 1606]	3318	[4991, 2689]	5773	[4322, 4344]	8228	[8565, 6988]
864	[1552, 1607]	3319	[4992, 2374]	5774	[7266, 7044]	8229	[8517, 8911]
865	[1608, 1609]	3320	[4855, 4993]	5775	[7267, 7268]	8230	[991, 7401]
866	[1610, 1611]	3321	[2320, 2010]	5776	[7269, 7270]	8231	[3066, 7008]
867	[1612, 1613]	3322	[2547, 609]	5777	[967, 7271]	8232	[3714, 6443]
868	[1614, 969]	3323	[4994, 4995]	5778	[1250, 4072]	8233	[8912, 7055]
869	[1615, 1328]	3324	[4996, 764]	5779	[7272, 7273]	8234	[1143, 1012]
870	[111, 1616]	3325	[4997, 2419]	5780	[3695, 3550]	8235	[8913, 8914]
871	[1617, 1618]	3326	[4922, 2838]	5781	[7274, 7275]	8236	[8915, 6195]
872	[1619, 1122]	3327	[4998, 2499]	5782	[1072, 7276]	8237	[6931, 6573]
873	[1620, 1149]	3328	[4999, 5000]	5783	[7277, 3169]	8238	[8647, 4128]
874	[1621, 1622]	3329	[774, 5001]	5784	[2908, 6788]	8239	[7190, 6857]
875	[1623, 1463]	3330	[5002, 901]	5785	[984, 7278]	8240	[124, 3069]
876	[1624, 1625]	3331	[5003, 5004]	5786	[7279, 1657]	8241	[8916, 3048]
877	[316, 1626]	3332	[2185, 2185]	5787	[1060, 1360]	8242	[8917, 1397]
878	[1627, 1496]	3333	[2123, 1997]	5788	[3227, 6894]	8243	[7090, 6675]
879	[1025, 1628]	3334	[5005, 1996]	5789	[1272, 6584]	8244	[8918, 75]
880	[1629, 1630]	3335	[1994, 5006]	5790	[4175, 3896]	8245	[2887, 2921]
881	[1323, 1033]	3336	[5007, 1992]	5791	[947, 7280]	8246	[8919, 7368]
882	[1631, 1632]	3337	[5008, 2674]	5792	[7281, 3799]	8247	[8794, 1441]

883	[1633, 1634]	3338	[2004, 4941]	5793	[1337, 4320]	8248	[1015, 7308]
884	[1120, 1365]	3339	[5009, 1988]	5794	[7282, 7283]	8249	[1614, 3409]
885	[1635, 1636]	3340	[637, 4940]	5795	[7284, 4393]	8250	[3050, 8920]
886	[1637, 1638]	3341	[5009, 1999]	5796	[7285, 427]	8251	[7040, 6538]
887	[1250, 1639]	3342	[2674, 2183]	5797	[7286, 1486]	8252	[6100, 8921]
888	[421, 1640]	3343	[1995, 5010]	5798	[6893, 3227]	8253	[8922, 8923]
889	[1641, 1642]	3344	[5011, 1998]	5799	[1024, 3887]	8254	[6553, 291]
890	[1643, 1644]	3345	[637, 2004]	5800	[6605, 7287]	8255	[8924, 937]
891	[1645, 1646]	3346	[1993, 2001]	5801	[6498, 364]	8256	[3954, 6278]
892	[1647, 1648]	3347	[5012, 1993]	5802	[6863, 366]	8257	[6898, 8925]
893	[1649, 1650]	3348	[2123, 1994]	5803	[3503, 368]	8258	[6256, 1101]
894	[1651, 1652]	3349	[573, 574]	5804	[7288, 6313]	8259	[8787, 6358]
895	[1653, 1654]	3350	[5013, 2182]	5805	[3729, 7289]	8260	[7413, 8926]
896	[1655, 1656]	3351	[2001, 2651]	5806	[7290, 7291]	8261	[7035, 6190]
897	[1657, 1658]	3352	[5006, 5010]	5807	[4358, 6487]	8262	[4301, 7257]
898	[1659, 1660]	3353	[5014, 142]	5808	[1439, 6484]	8263	[8577, 4120]
899	[1661, 1662]	3354	[5015, 2761]	5809	[7292, 938]	8264	[462, 4050]
900	[1663, 1664]	3355	[2630, 4916]	5810	[3256, 480]	8265	[468, 3973]
901	[98, 1665]	3356	[5016, 5017]	5811	[7293, 6947]	8266	[1500, 7163]
902	[1666, 1667]	3357	[5018, 2441]	5812	[3908, 1399]	8267	[8863, 2899]
903	[1668, 1669]	3358	[5019, 770]	5813	[7120, 6656]	8268	[6302, 8445]
904	[1670, 1307]	3359	[5020, 1889]	5814	[7294, 1011]	8269	[3939, 8512]
905	[1671, 1672]	3360	[4856, 2346]	5815	[4007, 4384]	8270	[6405, 6761]
906	[1673, 1674]	3361	[5021, 562]	5816	[3388, 4141]	8271	[1523, 8473]
907	[1675, 1676]	3362	[4664, 2600]	5817	[3664, 4309]	8272	[1300, 8927]
908	[1677, 1678]	3363	[5022, 5023]	5818	[431, 263]	8273	[6247, 4435]
909	[963, 1679]	3364	[5024, 5025]	5819	[7295, 4236]	8274	[6715, 6504]
910	[1680, 993]	3365	[5026, 217]	5820	[7073, 929]	8275	[8928, 8871]
911	[1681, 1682]	3366	[5027, 5028]	5821	[7296, 2948]	8276	[8904, 3490]
912	[99, 1683]	3367	[1909, 5029]	5822	[6425, 3750]	8277	[8929, 8660]
913	[1684, 1685]	3368	[5030, 4538]	5823	[7297, 6087]	8278	[8589, 7249]
914	[16, 1686]	3369	[5031, 5032]	5824	[3231, 3928]	8279	[8930, 4119]
915	[18, 1687]	3370	[143, 5033]	5825	[3882, 3679]	8280	[4382, 8931]
916	[1688, 1689]	3371	[5034, 2574]	5826	[1132, 7298]	8281	[8932, 8933]
917	[1690, 1691]	3372	[5025, 4635]	5827	[4097, 7299]	8282	[8934, 7279]
918	[1692, 1693]	3373	[5035, 5036]	5828	[7300, 6716]	8283	[4411, 1299]
919	[1694, 1695]	3374	[5037, 5038]	5829	[448, 7301]	8284	[8935, 6825]
920	[1696, 1697]	3375	[5039, 5040]	5830	[1495, 7302]	8285	[297, 8592]
921	[1698, 1699]	3376	[5041, 789]	5831	[29, 6443]	8286	[8936, 7212]
922	[1700, 1464]	3377	[5042, 5043]	5832	[7231, 1004]	8287	[8937, 6849]
923	[1701, 1702]	3378	[2327, 5044]	5833	[6494, 1148]	8288	[3434, 8938]
924	[1703, 1704]	3379	[2702, 2571]	5834	[4300, 1275]	8289	[3629, 3877]
925	[1705, 1706]	3380	[2061, 5045]	5835	[3841, 2895]	8290	[6739, 1053]
926	[1707, 1708]	3381	[4819, 5046]	5836	[7303, 3720]	8291	[7268, 1420]

927	[1709, 1710]	3382	[5047, 512]	5837	[7304, 6841]	8292	[4165, 3768]
928	[1711, 1712]	3383	[5048, 5049]	5838	[3302, 4190]	8293	[7293, 6582]
929	[1713, 1714]	3384	[672, 5050]	5839	[7305, 7306]	8294	[8939, 8940]
930	[1715, 1716]	3385	[597, 5051]	5840	[7307, 7167]	8295	[1405, 8941]
931	[1717, 1718]	3386	[5052, 4828]	5841	[3705, 7308]	8296	[8494, 7399]
932	[1719, 1720]	3387	[2239, 2553]	5842	[4397, 3947]	8297	[3735, 7373]
933	[1721, 1722]	3388	[838, 5053]	5843	[7309, 7310]	8298	[1422, 8942]
934	[1723, 1724]	3389	[5054, 4570]	5844	[6509, 3492]	8299	[8943, 955]
935	[1725, 1726]	3390	[5055, 775]	5845	[960, 6939]	8300	[3256, 3844]
936	[1727, 1728]	3391	[4861, 2280]	5846	[6530, 7299]	8301	[8870, 8944]
937	[1729, 1730]	3392	[5056, 5057]	5847	[7311, 4379]	8302	[8945, 8501]
938	[1731, 1732]	3393	[5058, 1815]	5848	[3243, 4091]	8303	[3029, 7444]
939	[1733, 1734]	3394	[5059, 2536]	5849	[7312, 1635]	8304	[8551, 8946]
940	[1735, 1736]	3395	[5060, 1793]	5850	[7313, 3039]	8305	[8947, 8948]
941	[1737, 1738]	3396	[5061, 786]	5851	[3832, 3896]	8306	[4372, 8744]
942	[1739, 1740]	3397	[5062, 828]	5852	[280, 7314]	8307	[6157, 3379]
943	[1741, 1742]	3398	[2824, 5063]	5853	[7315, 7316]	8308	[1100, 7287]
944	[1743, 1744]	3399	[5064, 5065]	5854	[376, 7289]	8309	[8801, 1195]
945	[1745, 1746]	3400	[5066, 1982]	5855	[7250, 7240]	8310	[3295, 7106]
946	[1747, 1748]	3401	[2625, 5067]	5856	[7317, 7318]	8311	[8949, 3473]
947	[1749, 1750]	3402	[5068, 2314]	5857	[7319, 7320]	8312	[7004, 6147]
948	[1751, 1752]	3403	[5069, 4978]	5858	[6163, 4302]	8313	[8950, 4383]
949	[1753, 1754]	3404	[5070, 5071]	5859	[1600, 3321]	8314	[8951, 8952]
950	[1755, 1756]	3405	[5072, 2648]	5860	[4234, 2993]	8315	[3823, 8953]
951	[1757, 1758]	3406	[5073, 5074]	5861	[7321, 1108]	8316	[6208, 7280]
952	[1759, 1760]	3407	[2846, 166]	5862	[3521, 4080]	8317	[7116, 6755]
953	[651, 1761]	3408	[5075, 2879]	5863	[7322, 4301]	8318	[6749, 3154]
954	[1762, 1763]	3409	[5076, 4918]	5864	[4128, 3869]	8319	[8954, 8620]
955	[1764, 1765]	3410	[2439, 2549]	5865	[125, 3070]	8320	[4188, 4060]
956	[1766, 1767]	3411	[2662, 5077]	5866	[7323, 7324]	8321	[8955, 6593]
957	[1768, 1769]	3412	[5078, 1961]	5867	[3848, 1664]	8322	[7382, 1515]
958	[1770, 1771]	3413	[8, 914]	5868	[6656, 4074]	8323	[7309, 8956]
959	[1772, 1773]	3414	[2107, 5079]	5869	[7325, 1581]	8324	[6334, 6811]
960	[1774, 1775]	3415	[5080, 5081]	5870	[7326, 7320]	8325	[7287, 8957]
961	[1776, 748]	3416	[5082, 2046]	5871	[1044, 354]	8326	[6360, 6307]
962	[1777, 1778]	3417	[4574, 2505]	5872	[7327, 4006]	8327	[1223, 7005]
963	[1779, 913]	3418	[5083, 5084]	5873	[7328, 6914]	8328	[8523, 3781]
964	[1780, 1781]	3419	[5085, 5086]	5874	[7329, 7330]	8329	[1401, 6992]
965	[1782, 1783]	3420	[5087, 2285]	5875	[3506, 7331]	8330	[1297, 4449]
966	[1784, 1785]	3421	[2278, 2324]	5876	[3453, 3753]	8331	[3902, 408]
967	[1786, 1787]	3422	[5088, 5089]	5877	[4233, 6890]	8332	[8484, 8958]
968	[1788, 1789]	3423	[5090, 692]	5878	[7332, 7333]	8333	[6927, 4012]
969	[1790, 34]	3424	[5091, 2351]	5879	[6207, 1335]	8334	[6469, 951]
970	[1791, 1792]	3425	[4949, 2434]	5880	[7334, 303]	8335	[109, 8959]

971	[1793, 1794]	3426	[5092, 5093]	5881	[7335, 7336]	8336	[8960, 8961]
972	[1795, 1796]	3427	[198, 1901]	5882	[4356, 6663]	8337	[3986, 8535]
973	[784, 1797]	3428	[4608, 5094]	5883	[7337, 7338]	8338	[8962, 7346]
974	[1798, 1799]	3429	[5095, 5096]	5884	[1505, 2912]	8339	[3860, 1618]
975	[1800, 692]	3430	[5097, 758]	5885	[7339, 1275]	8340	[8963, 7414]
976	[1801, 774]	3431	[5098, 5099]	5886	[3269, 6802]	8341	[1416, 8794]
977	[1802, 1803]	3432	[5100, 1758]	5887	[4138, 6574]	8342	[1326, 1412]
978	[1804, 1805]	3433	[5101, 2237]	5888	[3433, 323]	8343	[8964, 8965]
979	[1806, 1807]	3434	[5102, 5103]	5889	[7340, 3743]	8344	[8966, 3917]
980	[1808, 1809]	3435	[5104, 5105]	5890	[6730, 3956]	8345	[6142, 6873]
981	[1810, 1811]	3436	[5106, 2296]	5891	[6680, 3440]	8346	[8967, 7083]
982	[62, 1812]	3437	[5107, 5108]	5892	[419, 1589]	8347	[8875, 8940]
983	[1813, 1814]	3438	[5109, 5110]	5893	[3415, 3586]	8348	[1436, 388]
984	[1815, 1816]	3439	[5111, 153]	5894	[7341, 3835]	8349	[8968, 8941]
985	[1817, 1818]	3440	[4915, 2631]	5895	[4246, 3912]	8350	[8969, 7100]
986	[1819, 1820]	3441	[5112, 1809]	5896	[4184, 3328]	8351	[3786, 6812]
987	[1821, 1822]	3442	[5113, 5114]	5897	[6587, 7342]	8352	[6771, 3063]
988	[1823, 158]	3443	[5115, 5116]	5898	[6501, 6860]	8353	[8970, 4094]
989	[1824, 1825]	3444	[5117, 5118]	5899	[1131, 7343]	8354	[1463, 8707]
990	[1826, 1827]	3445	[205, 917]	5900	[7344, 7345]	8355	[3606, 3943]
991	[1828, 1829]	3446	[5119, 5120]	5901	[7069, 6192]	8356	[4408, 6357]
992	[1830, 1831]	3447	[5121, 2452]	5902	[6330, 7346]	8357	[8971, 961]
993	[1832, 1833]	3448	[192, 5122]	5903	[6562, 109]	8358	[8702, 8972]
994	[1834, 1835]	3449	[5123, 5124]	5904	[6996, 4451]	8359	[6622, 3305]
995	[1836, 1837]	3450	[2831, 5125]	5905	[6316, 1613]	8360	[8973, 450]
996	[1838, 1839]	3451	[5126, 2291]	5906	[6091, 6786]	8361	[3008, 4079]
997	[1840, 539]	3452	[4804, 1820]	5907	[6907, 3397]	8362	[118, 2935]
998	[1841, 1842]	3453	[5127, 5128]	5908	[7347, 7245]	8363	[4416, 6554]
999	[1843, 1844]	3454	[5129, 5130]	5909	[3459, 7348]	8364	[8974, 3692]
1000	[1845, 1846]	3455	[2444, 5131]	5910	[2956, 6518]	8365	[6510, 7248]
1001	[1847, 1848]	3456	[2114, 5132]	5911	[7349, 7350]	8366	[7019, 8975]
1002	[1849, 1850]	3457	[858, 2878]	5912	[3688, 3847]	8367	[8976, 1337]
1003	[1851, 1852]	3458	[5133, 2353]	5913	[7351, 6604]	8368	[8977, 3092]
1004	[1853, 1854]	3459	[5134, 2725]	5914	[7352, 4307]	8369	[8562, 8978]
1005	[598, 1855]	3460	[5135, 867]	5915	[7175, 7348]	8370	[7334, 6695]
1006	[1856, 1857]	3461	[5136, 5137]	5916	[7353, 7354]	8371	[8979, 3801]
1007	[1858, 1859]	3462	[5138, 5139]	5917	[7127, 6965]	8372	[8980, 8638]
1008	[1860, 1861]	3463	[902, 2687]	5918	[7355, 6368]	8373	[8981, 6959]
1009	[1862, 1863]	3464	[5140, 1767]	5919	[4101, 7356]	8374	[8982, 7470]
1010	[1864, 1865]	3465	[5141, 5142]	5920	[1627, 7302]	8375	[7474, 397]
1011	[1866, 1867]	3466	[1907, 5123]	5921	[3758, 7357]	8376	[411, 7003]
1012	[1868, 1869]	3467	[4763, 2109]	5922	[308, 1697]	8377	[8983, 6572]
1013	[1870, 1871]	3468	[5143, 2601]	5923	[7358, 6165]	8378	[8984, 6929]
1014	[1872, 1873]	3469	[5144, 2816]	5924	[7359, 7360]	8379	[6351, 4034]

1015	[757, 1874]	3470	[5145, 622]	5925	[7361, 7362]	8380	[8985, 450]
1016	[151, 746]	3471	[5146, 5147]	5926	[6327, 7363]	8381	[8986, 3630]
1017	[617, 1875]	3472	[5148, 5149]	5927	[3412, 1633]	8382	[8987, 3084]
1018	[1876, 1877]	3473	[5150, 5151]	5928	[6976, 7137]	8383	[3912, 4259]
1019	[1878, 1879]	3474	[851, 5152]	5929	[6842, 6139]	8384	[3336, 3239]
1020	[1880, 1881]	3475	[5153, 5154]	5930	[7364, 3826]	8385	[8554, 8988]
1021	[793, 1882]	3476	[5155, 172]	5931	[7365, 7366]	8386	[8790, 1065]
1022	[1883, 1884]	3477	[5156, 4990]	5932	[7367, 7368]	8387	[8989, 8779]
1023	[1885, 1886]	3478	[1706, 623]	5933	[7369, 7370]	8388	[3374, 6861]
1024	[1887, 530]	3479	[5157, 2407]	5934	[352, 7371]	8389	[4065, 6917]
1025	[1888, 1889]	3480	[5158, 5159]	5935	[7372, 953]	8390	[3984, 3337]
1026	[1890, 869]	3481	[5106, 4669]	5936	[6513, 7373]	8391	[1101, 3031]
1027	[769, 1891]	3482	[5160, 5161]	5937	[7374, 6479]	8392	[8990, 6485]
1028	[1892, 1893]	3483	[5162, 5163]	5938	[7375, 1503]	8393	[1324, 4297]
1029	[1894, 1895]	3484	[5164, 5165]	5939	[7376, 6563]	8394	[6356, 4409]
1030	[1896, 548]	3485	[4655, 131]	5940	[7140, 1201]	8395	[6899, 3578]
1031	[1863, 1897]	3486	[2057, 62]	5941	[1524, 7377]	8396	[8991, 6955]
1032	[1898, 1899]	3487	[5166, 1808]	5942	[3389, 2974]	8397	[3058, 1389]
1033	[1900, 1901]	3488	[9, 5167]	5943	[7378, 7379]	8398	[7410, 8992]
1034	[1902, 1903]	3489	[2220, 5168]	5944	[7380, 458]	8399	[8993, 8994]
1035	[1904, 1905]	3490	[2222, 2764]	5945	[6270, 6679]	8400	[2914, 3885]
1036	[1906, 1907]	3491	[5169, 2649]	5946	[4092, 4296]	8401	[8452, 8995]
1037	[1908, 192]	3492	[2125, 5099]	5947	[6235, 482]	8402	[8996, 6729]
1038	[1796, 1909]	3493	[5170, 5171]	5948	[3818, 1400]	8403	[6188, 3331]
1039	[1910, 1911]	3494	[5172, 1712]	5949	[7381, 7382]	8404	[3229, 8997]
1040	[1912, 1913]	3495	[5173, 5174]	5950	[1221, 1455]	8405	[6621, 3793]
1041	[1914, 1915]	3496	[1758, 2704]	5951	[7383, 7384]	8406	[8660, 6266]
1042	[1916, 1917]	3497	[2064, 2106]	5952	[7385, 3489]	8407	[6971, 2891]
1043	[772, 1918]	3498	[5175, 2137]	5953	[7386, 6830]	8408	[2934, 2959]
1044	[1919, 688]	3499	[2510, 5176]	5954	[7387, 3415]	8409	[8998, 1424]
1045	[1920, 1921]	3500	[2481, 5177]	5955	[4339, 6793]	8410	[6588, 1523]
1046	[1922, 699]	3501	[5178, 4788]	5956	[4189, 7020]	8411	[1034, 3607]
1047	[1724, 1923]	3502	[5179, 713]	5957	[7388, 1470]	8412	[1451, 3662]
1048	[1924, 1925]	3503	[1708, 715]	5958	[7389, 7390]	8413	[8667, 8999]
1049	[1926, 553]	3504	[5180, 5181]	5959	[1124, 452]	8414	[9000, 9001]
1050	[1927, 755]	3505	[5182, 5183]	5960	[7391, 1169]	8415	[6872, 4447]
1051	[1928, 1929]	3506	[4712, 2779]	5961	[7392, 6498]	8416	[9002, 6733]
1052	[1930, 642]	3507	[5184, 5185]	5962	[2928, 985]	8417	[6645, 4066]
1053	[1931, 1932]	3508	[2353, 5186]	5963	[7393, 7394]	8418	[4143, 16]
1054	[1903, 1933]	3509	[5187, 5188]	5964	[936, 3982]	8419	[9003, 8839]
1055	[1934, 1935]	3510	[5189, 5190]	5965	[3904, 6842]	8420	[1639, 9004]
1056	[1936, 1937]	3511	[5191, 5192]	5966	[7395, 4334]	8421	[9005, 7424]
1057	[1938, 1939]	3512	[5193, 4780]	5967	[7396, 7397]	8422	[3405, 8588]
1058	[1940, 204]	3513	[1961, 5194]	5968	[7398, 7399]	8423	[4059, 6467]

1059	[1941, 1942]	3514	[5195, 5196]	5969	[7400, 3532]	8424	[1599, 4125]
1060	[1943, 1944]	3515	[2409, 5197]	5970	[3140, 7401]	8425	[9006, 9007]
1061	[1945, 1946]	3516	[2651, 5011]	5971	[2930, 2999]	8426	[9008, 3250]
1062	[178, 1947]	3517	[4674, 5198]	5972	[7402, 6287]	8427	[9009, 3644]
1063	[1948, 1913]	3518	[2100, 2335]	5973	[7403, 2968]	8428	[9010, 6205]
1064	[1949, 1950]	3519	[2604, 2805]	5974	[6310, 289]	8429	[9011, 1574]
1065	[1951, 1952]	3520	[127, 5199]	5975	[7404, 2961]	8430	[6712, 3203]
1066	[1953, 1954]	3521	[5200, 5201]	5976	[7052, 461]	8431	[6974, 6905]
1067	[1955, 1956]	3522	[5202, 2100]	5977	[3565, 6268]	8432	[6764, 7165]
1068	[1957, 1958]	3523	[5203, 5204]	5978	[6676, 6311]	8433	[2992, 3817]
1069	[909, 1959]	3524	[5205, 771]	5979	[7405, 7333]	8434	[9012, 7340]
1070	[1960, 1961]	3525	[5206, 47]	5980	[1365, 7406]	8435	[4438, 8633]
1071	[1962, 1963]	3526	[5207, 5208]	5981	[4057, 7407]	8436	[7013, 9013]
1072	[1964, 1965]	3527	[5209, 2233]	5982	[4055, 3137]	8437	[8249, 5082]
1073	[1966, 549]	3528	[5057, 207]	5983	[4245, 3584]	8438	[5134, 2393]
1074	[1967, 54]	3529	[5210, 2691]	5984	[362, 3287]	8439	[9014, 5437]
1075	[1968, 1736]	3530	[4561, 811]	5985	[96, 7408]	8440	[1871, 5296]
1076	[1929, 796]	3531	[5211, 5212]	5986	[6451, 1074]	8441	[9015, 9016]
1077	[1969, 1970]	3532	[5050, 5213]	5987	[7236, 6502]	8442	[5347, 7935]
1078	[1971, 1972]	3533	[5214, 5142]	5988	[1512, 1352]	8443	[9017, 2598]
1079	[1973, 1974]	3534	[5215, 5216]	5989	[3198, 3508]	8444	[7760, 4826]
1080	[1975, 1976]	3535	[5217, 497]	5990	[6205, 1696]	8445	[5171, 5063]
1081	[1977, 1978]	3536	[5218, 5190]	5991	[2963, 3161]	8446	[8217, 9018]
1082	[1979, 1980]	3537	[236, 187]	5992	[408, 4330]	8447	[7961, 2200]
1083	[595, 507]	3538	[5219, 2513]	5993	[6581, 4288]	8448	[9019, 1749]
1084	[1981, 1982]	3539	[2245, 5220]	5994	[3442, 3254]	8449	[9020, 6043]
1085	[1983, 757]	3540	[1772, 5221]	5995	[7409, 3556]	8450	[7733, 4809]
1086	[1984, 151]	3541	[517, 5222]	5996	[7410, 3052]	8451	[2626, 9021]
1087	[1985, 1986]	3542	[5223, 5224]	5997	[3011, 1369]	8452	[767, 5215]
1088	[861, 1987]	3543	[4775, 5225]	5998	[305, 3024]	8453	[9022, 5257]
1089	[1988, 572]	3544	[5226, 2854]	5999	[7411, 3057]	8454	[5294, 8072]
1090	[1989, 1990]	3545	[5133, 5227]	6000	[6650, 3733]	8455	[7971, 4936]
1091	[1991, 1992]	3546	[5228, 5084]	6001	[7412, 4122]	8456	[9023, 5466]
1092	[1993, 577]	3547	[2534, 5229]	6002	[7152, 3700]	8457	[2837, 2478]
1093	[1994, 1995]	3548	[5230, 2475]	6003	[7413, 7414]	8458	[9024, 9025]
1094	[1996, 575]	3549	[126, 551]	6004	[1676, 4264]	8459	[5520, 5881]
1095	[1997, 1995]	3550	[5231, 5232]	6005	[7415, 1445]	8460	[9026, 2588]
1096	[571, 1998]	3551	[5233, 4772]	6006	[7416, 7094]	8461	[1847, 9027]
1097	[1999, 2000]	3552	[2883, 5234]	6007	[7417, 3845]	8462	[8018, 9028]
1098	[573, 1996]	3553	[1878, 5235]	6008	[7168, 3611]	8463	[7811, 7845]
1099	[1990, 1999]	3554	[5236, 5226]	6009	[7418, 4052]	8464	[9029, 7609]
1100	[2001, 570]	3555	[5237, 733]	6010	[7419, 7420]	8465	[8022, 4982]
1101	[2002, 1989]	3556	[5238, 1788]	6011	[7421, 7422]	8466	[9030, 144]
1102	[2003, 2004]	3557	[5239, 5240]	6012	[3394, 3402]	8467	[717, 9031]

1103	[2005, 2006]	3558	[5241, 5242]	6013	[3620, 7423]	8468	[9032, 9033]
1104	[2007, 2008]	3559	[5243, 5244]	6014	[4377, 3035]	8469	[2431, 5736]
1105	[2009, 521]	3560	[2259, 5245]	6015	[4035, 3204]	8470	[5406, 9034]
1106	[898, 882]	3561	[5246, 2207]	6016	[7424, 7425]	8471	[5770, 2289]
1107	[2010, 2011]	3562	[5247, 5248]	6017	[7426, 6486]	8472	[9035, 5890]
1108	[1789, 2012]	3563	[5249, 1840]	6018	[7427, 7428]	8473	[9036, 7811]
1109	[2013, 2014]	3564	[229, 2079]	6019	[7429, 6152]	8474	[9037, 9038]
1110	[2015, 718]	3565	[4663, 791]	6020	[7430, 7431]	8475	[5290, 2317]
1111	[2016, 2017]	3566	[5065, 2525]	6021	[7259, 3477]	8476	[7720, 855]
1112	[2018, 2019]	3567	[2358, 198]	6022	[7432, 6867]	8477	[4951, 5771]
1113	[2020, 2021]	3568	[2813, 733]	6023	[7433, 1313]	8478	[5882, 9039]
1114	[2022, 2023]	3569	[5250, 5251]	6024	[7434, 1112]	8479	[9040, 6059]
1115	[2024, 2025]	3570	[5252, 2555]	6025	[7435, 7436]	8480	[2434, 632]
1116	[197, 1900]	3571	[5253, 5254]	6026	[4060, 1295]	8481	[9041, 7881]
1117	[839, 2026]	3572	[5255, 5256]	6027	[7437, 22]	8482	[2799, 1895]
1118	[507, 2027]	3573	[5257, 1932]	6028	[2938, 29]	8483	[4996, 2609]
1119	[2028, 2029]	3574	[4751, 4754]	6029	[7438, 7012]	8484	[4766, 1702]
1120	[611, 2030]	3575	[5258, 5259]	6030	[1183, 7439]	8485	[5481, 5025]
1121	[2031, 2032]	3576	[5260, 4572]	6031	[1694, 3690]	8486	[9042, 8092]
1122	[2033, 2034]	3577	[2389, 5139]	6032	[7055, 6911]	8487	[4908, 9043]
1123	[2035, 2036]	3578	[5261, 4864]	6033	[7440, 6289]	8488	[4545, 2529]
1124	[2037, 2038]	3579	[2303, 2493]	6034	[3836, 4298]	8489	[5280, 4489]
1125	[2039, 2040]	3580	[5262, 5263]	6035	[6568, 3088]	8490	[9044, 4606]
1126	[2041, 2042]	3581	[5264, 5265]	6036	[3215, 3877]	8491	[9045, 9046]
1127	[2043, 191]	3582	[5266, 5267]	6037	[6913, 459]	8492	[9047, 5032]
1128	[2044, 2045]	3583	[5268, 2518]	6038	[6892, 3521]	8493	[8431, 5981]
1129	[2046, 2047]	3584	[2730, 233]	6039	[6391, 7441]	8494	[2711, 8377]
1130	[2048, 2049]	3585	[2396, 507]	6040	[7442, 7443]	8495	[9048, 5488]
1131	[486, 2050]	3586	[5269, 2839]	6041	[6657, 7444]	8496	[5896, 9049]
1132	[2051, 2052]	3587	[5270, 5271]	6042	[6709, 7445]	8497	[5085, 5081]
1133	[2053, 2054]	3588	[5272, 5273]	6043	[7446, 7447]	8498	[9050, 4647]
1134	[878, 2055]	3589	[5274, 5275]	6044	[1147, 6495]	8499	[9051, 5946]
1135	[2056, 2057]	3590	[5276, 4781]	6045	[6162, 4361]	8500	[4710, 5440]
1136	[2058, 2059]	3591	[4586, 1793]	6046	[6776, 7448]	8501	[9052, 9053]
1137	[2060, 2061]	3592	[181, 1728]	6047	[7449, 1209]	8502	[8303, 144]
1138	[2062, 2063]	3593	[5277, 1762]	6048	[3828, 1280]	8503	[1774, 1750]
1139	[2064, 2065]	3594	[5278, 2677]	6049	[327, 7450]	8504	[8278, 9054]
1140	[2066, 2067]	3595	[5012, 576]	6050	[7451, 1011]	8505	[9055, 9056]
1141	[193, 714]	3596	[1999, 572]	6051	[3539, 1494]	8506	[9057, 5552]
1142	[2068, 1933]	3597	[5279, 2184]	6052	[7452, 7453]	8507	[5522, 5172]
1143	[2069, 2070]	3598	[570, 5011]	6053	[7454, 7455]	8508	[5595, 675]
1144	[2071, 2072]	3599	[2508, 2182]	6054	[7456, 3007]	8509	[9058, 6029]
1145	[2073, 2074]	3600	[5280, 5281]	6055	[1370, 3145]	8510	[2618, 9059]
1146	[2075, 2076]	3601	[5282, 5283]	6056	[7457, 4106]	8511	[5491, 2877]

1147	[2077, 2078]	3602	[5284, 584]	6057	[6864, 367]	8512	[9060, 4629]
1148	[2079, 2080]	3603	[5285, 5286]	6058	[3053, 7458]	8513	[2279, 4862]
1149	[2081, 773]	3604	[5287, 1845]	6059	[7454, 6384]	8514	[7887, 4924]
1150	[2082, 2083]	3605	[5288, 5289]	6060	[7459, 102]	8515	[5648, 5953]
1151	[2084, 2085]	3606	[5290, 693]	6061	[3324, 312]	8516	[9061, 2669]
1152	[2086, 2087]	3607	[5291, 42]	6062	[6254, 6399]	8517	[6041, 1734]
1153	[2088, 2051]	3608	[5292, 5293]	6063	[4446, 4213]	8518	[220, 2411]
1154	[2080, 2089]	3609	[5294, 5295]	6064	[7460, 7461]	8519	[9062, 9063]
1155	[1870, 2090]	3610	[2090, 5296]	6065	[7462, 7463]	8520	[5204, 9064]
1156	[2091, 2092]	3611	[5297, 2680]	6066	[282, 4403]	8521	[9065, 9066]
1157	[2093, 2094]	3612	[5298, 5299]	6067	[7464, 7465]	8522	[4974, 5553]
1158	[2095, 2096]	3613	[486, 5300]	6068	[7322, 3241]	8523	[247, 5163]
1159	[2097, 2098]	3614	[5301, 4532]	6069	[7466, 7467]	8524	[9067, 7963]
1160	[2099, 2100]	3615	[5302, 2558]	6070	[119, 6480]	8525	[5699, 5216]
1161	[2084, 2101]	3616	[5303, 5215]	6071	[7468, 4162]	8526	[5538, 7550]
1162	[2102, 2103]	3617	[5304, 2173]	6072	[6362, 7091]	8527	[9068, 4899]
1163	[2104, 2105]	3618	[5305, 5306]	6073	[7085, 1176]	8528	[9069, 9070]
1164	[2106, 2107]	3619	[5307, 775]	6074	[7469, 7470]	8529	[5084, 5342]
1165	[2108, 608]	3620	[5308, 629]	6075	[7471, 3126]	8530	[9071, 526]
1166	[2109, 2110]	3621	[4845, 5309]	6076	[3713, 3091]	8531	[9072, 658]
1167	[2111, 2112]	3622	[5310, 2639]	6077	[1187, 2913]	8532	[8090, 660]
1168	[2113, 2114]	3623	[5311, 2187]	6078	[7472, 7473]	8533	[4548, 5461]
1169	[2115, 2116]	3624	[2343, 5312]	6079	[7474, 6240]	8534	[8212, 7521]
1170	[204, 2117]	3625	[5313, 5314]	6080	[7475, 7064]	8535	[7829, 1914]
1171	[2118, 2119]	3626	[5315, 5316]	6081	[3311, 3776]	8536	[7914, 5416]
1172	[2120, 2121]	3627	[5317, 5318]	6082	[7476, 7477]	8537	[4668, 2296]
1173	[2122, 2123]	3628	[5319, 5320]	6083	[4118, 7412]	8538	[2067, 2686]
1174	[1960, 51]	3629	[5321, 5322]	6084	[7478, 7479]	8539	[9073, 8185]
1175	[2124, 1852]	3630	[5323, 814]	6085	[7480, 7481]	8540	[2161, 8310]
1176	[795, 2125]	3631	[1787, 5324]	6086	[6518, 6395]	8541	[9074, 680]
1177	[2126, 2127]	3632	[4962, 5325]	6087	[2143, 4739]	8542	[669, 2530]
1178	[2128, 2129]	3633	[5326, 2295]	6088	[7482, 2013]	8543	[4948, 5683]
1179	[2130, 2131]	3634	[5327, 5328]	6089	[726, 7483]	8544	[9075, 8333]
1180	[2132, 2133]	3635	[2877, 2613]	6090	[2090, 2151]	8545	[1849, 9076]
1181	[2134, 641]	3636	[5329, 5330]	6091	[5519, 4578]	8546	[9077, 556]
1182	[2135, 2136]	3637	[5331, 137]	6092	[5364, 7484]	8547	[5288, 6050]
1183	[515, 2137]	3638	[5332, 5333]	6093	[5980, 7485]	8548	[2515, 5188]
1184	[2138, 2139]	3639	[5334, 5335]	6094	[5099, 5656]	8549	[9078, 1958]
1185	[2140, 145]	3640	[5336, 5337]	6095	[2006, 1989]	8550	[9079, 4836]
1186	[2141, 2142]	3641	[5278, 683]	6096	[5583, 5387]	8551	[5150, 2066]
1187	[2143, 2144]	3642	[5338, 2400]	6097	[4826, 5986]	8552	[9080, 7910]
1188	[2145, 1781]	3643	[5339, 5340]	6098	[4987, 4483]	8553	[9081, 8291]
1189	[2146, 2147]	3644	[5341, 5342]	6099	[7486, 7487]	8554	[2526, 5046]
1190	[2148, 2149]	3645	[4725, 5343]	6100	[2109, 625]	8555	[9082, 5989]

1191	[487, 2150]	3646	[5344, 2183]	6101	[7488, 2310]	8556	[8248, 7965]
1192	[1871, 2151]	3647	[4681, 5345]	6102	[4569, 7489]	8557	[9083, 9084]
1193	[2152, 2153]	3648	[5346, 2540]	6103	[7490, 7491]	8558	[8081, 8130]
1194	[646, 2154]	3649	[4518, 843]	6104	[2740, 2504]	8559	[2647, 2619]
1195	[2155, 2156]	3650	[2080, 202]	6105	[1909, 567]	8560	[9085, 9063]
1196	[2157, 2158]	3651	[5347, 5348]	6106	[7492, 7493]	8561	[9086, 9087]
1197	[58, 2159]	3652	[5349, 771]	6107	[7494, 7495]	8562	[8228, 1742]
1198	[2160, 2161]	3653	[5350, 773]	6108	[7496, 5307]	8563	[8423, 2277]
1199	[2162, 2058]	3654	[5351, 1925]	6109	[5333, 7497]	8564	[9088, 7767]
1200	[2163, 1908]	3655	[5352, 2741]	6110	[7498, 7499]	8565	[7751, 1840]
1201	[2164, 2165]	3656	[798, 5353]	6111	[7500, 7501]	8566	[7817, 2286]
1202	[2166, 2167]	3657	[5354, 4896]	6112	[7502, 7503]	8567	[4529, 7566]
1203	[2168, 2169]	3658	[146, 2673]	6113	[7504, 7505]	8568	[9079, 6076]
1204	[2170, 2171]	3659	[2444, 5355]	6114	[629, 4697]	8569	[5855, 4677]
1205	[2172, 2173]	3660	[5356, 2062]	6115	[7506, 7507]	8570	[7487, 171]
1206	[2174, 2175]	3661	[2356, 1795]	6116	[5376, 5792]	8571	[8430, 9089]
1207	[2176, 2177]	3662	[5357, 160]	6117	[7508, 7509]	8572	[4482, 4988]
1208	[2178, 2179]	3663	[5358, 5359]	6118	[7510, 2040]	8573	[2186, 2185]
1209	[2180, 2181]	3664	[5360, 5361]	6119	[1702, 2833]	8574	[588, 5681]
1210	[1988, 2000]	3665	[2402, 5362]	6120	[7511, 5328]	8575	[4557, 5502]
1211	[2182, 148]	3666	[5363, 5364]	6121	[2148, 7512]	8576	[5214, 9090]
1212	[2183, 2184]	3667	[5365, 4708]	6122	[2884, 2865]	8577	[5804, 1816]
1213	[2185, 2186]	3668	[5366, 5367]	6123	[7513, 7514]	8578	[4586, 2501]
1214	[2187, 2188]	3669	[2007, 2091]	6124	[4625, 195]	8579	[2397, 9091]
1215	[2189, 2190]	3670	[231, 2740]	6125	[857, 865]	8580	[7726, 32]
1216	[2191, 2192]	3671	[5368, 5369]	6126	[7514, 5473]	8581	[9092, 5600]
1217	[904, 719]	3672	[5370, 5371]	6127	[5354, 2121]	8582	[5521, 9093]
1218	[2193, 2194]	3673	[4634, 5372]	6128	[799, 7515]	8583	[8030, 5513]
1219	[2195, 2196]	3674	[5373, 2429]	6129	[7516, 2552]	8584	[9094, 5273]
1220	[2197, 1815]	3675	[5374, 1894]	6130	[7517, 7518]	8585	[7981, 5911]
1221	[2198, 2199]	3676	[2022, 5375]	6131	[7519, 2364]	8586	[9095, 8119]
1222	[2200, 2201]	3677	[5339, 5193]	6132	[7520, 2544]	8587	[709, 2270]
1223	[2202, 2203]	3678	[5376, 5377]	6133	[7521, 704]	8588	[9096, 2669]
1224	[2204, 2205]	3679	[5378, 1785]	6134	[829, 7522]	8589	[2236, 7938]
1225	[2206, 1783]	3680	[5379, 5380]	6135	[7523, 2402]	8590	[8340, 2011]
1226	[2207, 1716]	3681	[5381, 38]	6136	[5661, 7524]	8591	[9097, 6032]
1227	[742, 2208]	3682	[4908, 5382]	6137	[4718, 7525]	8592	[9098, 2112]
1228	[2209, 2210]	3683	[5383, 5198]	6138	[7526, 7527]	8593	[7894, 9099]
1229	[2211, 2212]	3684	[5384, 2881]	6139	[7528, 5667]	8594	[5367, 7531]
1230	[2213, 2194]	3685	[5385, 5386]	6140	[7529, 5053]	8595	[5624, 532]
1231	[2214, 2215]	3686	[5056, 5387]	6141	[7530, 7531]	8596	[9100, 9101]
1232	[2216, 2217]	3687	[828, 596]	6142	[2864, 7532]	8597	[5922, 9102]
1233	[2218, 2219]	3688	[2838, 2269]	6143	[7533, 1748]	8598	[142, 7558]
1234	[1741, 2220]	3689	[5388, 5389]	6144	[7534, 5710]	8599	[8285, 4748]

1235	[2221, 2222]	3690	[5390, 4603]	6145	[4556, 514]	8600	[2305, 4583]
1236	[2223, 2224]	3691	[5391, 5392]	6146	[7535, 7536]	8601	[2169, 1881]
1237	[2225, 2226]	3692	[5393, 5394]	6147	[5689, 5019]	8602	[9103, 4799]
1238	[2227, 2228]	3693	[2614, 2843]	6148	[5165, 4648]	8603	[9104, 5218]
1239	[2229, 2230]	3694	[5395, 5396]	6149	[1789, 1859]	8604	[8327, 5536]
1240	[2231, 1861]	3695	[5397, 2333]	6150	[5734, 7537]	8605	[9105, 5669]
1241	[2232, 2233]	3696	[5398, 694]	6151	[5964, 7538]	8606	[4902, 907]
1242	[2228, 595]	3697	[2315, 5371]	6152	[7539, 7540]	8607	[9106, 5102]
1243	[2234, 2235]	3698	[5399, 5400]	6153	[2509, 7541]	8608	[6003, 4502]
1244	[2236, 2237]	3699	[5401, 5402]	6154	[7542, 5941]	8609	[2036, 5783]
1245	[2238, 2239]	3700	[5403, 5066]	6155	[7543, 2282]	8610	[9107, 4811]
1246	[2240, 2241]	3701	[5404, 5405]	6156	[810, 4562]	8611	[5089, 523]
1247	[2242, 829]	3702	[484, 4860]	6157	[7544, 628]	8612	[9108, 5350]
1248	[2243, 2244]	3703	[5024, 4634]	6158	[5667, 2374]	8613	[5113, 4703]
1249	[2245, 1921]	3704	[5406, 2773]	6159	[7545, 7546]	8614	[8387, 2724]
1250	[2246, 1763]	3705	[5407, 1803]	6160	[7547, 5515]	8615	[7986, 9109]
1251	[2247, 2248]	3706	[5408, 5409]	6161	[7548, 5996]	8616	[9086, 8292]
1252	[2249, 2250]	3707	[5410, 37]	6162	[7549, 7550]	8617	[1727, 182]
1253	[2251, 2252]	3708	[840, 5411]	6163	[7551, 5916]	8618	[9110, 9111]
1254	[2253, 914]	3709	[2104, 5412]	6164	[542, 5632]	8619	[5184, 5533]
1255	[2254, 2255]	3710	[5413, 1747]	6165	[4461, 5601]	8620	[1760, 7643]
1256	[2256, 2257]	3711	[2350, 5414]	6166	[7552, 7553]	8621	[5950, 769]
1257	[2258, 2259]	3712	[5415, 4965]	6167	[7554, 2355]	8622	[4820, 9112]
1258	[2260, 2261]	3713	[5416, 2149]	6168	[6004, 7555]	8623	[2580, 4908]
1259	[2262, 2105]	3714	[4811, 1939]	6169	[7556, 2597]	8624	[5938, 9113]
1260	[2160, 1963]	3715	[2757, 5417]	6170	[5523, 5066]	8625	[7717, 9018]
1261	[2263, 2264]	3716	[5418, 2535]	6171	[7557, 4962]	8626	[5379, 1829]
1262	[2265, 2266]	3717	[5419, 2578]	6172	[7558, 5033]	8627	[6034, 1795]
1263	[2267, 2268]	3718	[5420, 676]	6173	[5593, 4521]	8628	[9114, 4852]
1264	[2269, 2270]	3719	[5421, 5422]	6174	[7559, 1770]	8629	[817, 4912]
1265	[2271, 723]	3720	[4933, 2652]	6175	[31, 4506]	8630	[9115, 9116]
1266	[2272, 2273]	3721	[1836, 2619]	6176	[7560, 7561]	8631	[6026, 2860]
1267	[2274, 2275]	3722	[5423, 5424]	6177	[649, 5867]	8632	[1906, 5884]
1268	[2276, 2277]	3723	[5425, 5426]	6178	[7562, 7491]	8633	[8370, 2087]
1269	[2278, 1869]	3724	[4612, 5427]	6179	[7563, 5772]	8634	[5365, 524]
1270	[2279, 2280]	3725	[5428, 2837]	6180	[7564, 7565]	8635	[9117, 5135]
1271	[2281, 1796]	3726	[591, 2304]	6181	[5827, 7566]	8636	[9118, 9119]
1272	[2039, 544]	3727	[5429, 4582]	6182	[7567, 5931]	8637	[4660, 9120]
1273	[2282, 2283]	3728	[4914, 4955]	6183	[5351, 7568]	8638	[9121, 9122]
1274	[2284, 2285]	3729	[5430, 5431]	6184	[7569, 7570]	8639	[9123, 1723]
1275	[35, 2286]	3730	[5432, 5433]	6185	[7571, 5267]	8640	[5264, 8219]
1276	[2287, 2288]	3731	[5434, 5435]	6186	[7572, 752]	8641	[9021, 8231]
1277	[1703, 2289]	3732	[864, 858]	6187	[6008, 5320]	8642	[9124, 8137]
1278	[2290, 2291]	3733	[5436, 5437]	6188	[5173, 7573]	8643	[2132, 8160]

1279	[1743, 2292]	3734	[1862, 4687]	6189	[7574, 7575]	8644	[7676, 806]
1280	[2293, 2294]	3735	[5151, 2067]	6190	[7576, 4548]	8645	[4649, 5819]
1281	[2136, 2295]	3736	[5438, 5439]	6191	[2338, 7577]	8646	[9125, 9075]
1282	[2296, 2297]	3737	[5440, 5441]	6192	[7578, 5181]	8647	[7771, 5569]
1283	[2298, 1997]	3738	[842, 4519]	6193	[7579, 5557]	8648	[9126, 7974]
1284	[2299, 1990]	3739	[4495, 605]	6194	[5552, 7580]	8649	[9127, 741]
1285	[1749, 1775]	3740	[5442, 4517]	6195	[5313, 7581]	8650	[2057, 2388]
1286	[2300, 2301]	3741	[4952, 2745]	6196	[7582, 1761]	8651	[9128, 1978]
1287	[632, 495]	3742	[5443, 5444]	6197	[7583, 2021]	8652	[9129, 2697]
1288	[2302, 2303]	3743	[5445, 5446]	6198	[2067, 7584]	8653	[9130, 2204]
1289	[2304, 2305]	3744	[825, 4632]	6199	[2622, 5154]	8654	[2728, 5286]
1290	[2306, 2307]	3745	[5447, 919]	6200	[5956, 6047]	8655	[7520, 2570]
1291	[2308, 2309]	3746	[728, 2339]	6201	[7585, 7586]	8656	[9131, 9132]
1292	[2310, 2311]	3747	[5094, 5448]	6202	[4549, 7587]	8657	[2409, 6071]
1293	[2312, 568]	3748	[5449, 5450]	6203	[195, 7588]	8658	[9133, 2099]
1294	[1962, 2161]	3749	[5451, 4709]	6204	[4879, 4653]	8659	[4843, 7639]
1295	[2313, 2314]	3750	[5301, 5452]	6205	[1725, 7589]	8660	[2669, 2141]
1296	[2315, 2316]	3751	[5453, 5454]	6206	[5227, 5186]	8661	[2575, 4783]
1297	[2317, 2318]	3752	[577, 2651]	6207	[7590, 2377]	8662	[2691, 4463]
1298	[2319, 2320]	3753	[5010, 4464]	6208	[2015, 904]	8663	[5432, 7620]
1299	[2321, 2315]	3754	[5007, 2005]	6209	[7591, 7573]	8664	[2017, 5431]
1300	[2322, 2323]	3755	[2467, 5389]	6210	[7592, 5559]	8665	[9125, 7746]
1301	[2324, 2325]	3756	[5455, 5456]	6211	[2142, 5714]	8666	[9134, 887]
1302	[2326, 2327]	3757	[5457, 5458]	6212	[7593, 2364]	8667	[5700, 2196]
1303	[2328, 2304]	3758	[5277, 2246]	6213	[7594, 7595]	8668	[9135, 4654]
1304	[2329, 2330]	3759	[5459, 4624]	6214	[5978, 5137]	8669	[5076, 5768]
1305	[2331, 796]	3760	[5235, 4650]	6215	[7596, 2556]	8670	[9136, 8013]
1306	[2332, 2333]	3761	[5460, 2065]	6216	[5587, 7597]	8671	[5815, 4879]
1307	[2334, 2335]	3762	[5461, 200]	6217	[4880, 2253]	8672	[38, 2558]
1308	[2336, 2337]	3763	[4571, 5462]	6218	[7598, 5952]	8673	[9137, 2511]
1309	[2338, 2339]	3764	[5463, 1937]	6219	[244, 7581]	8674	[9138, 8121]
1310	[2340, 2341]	3765	[5464, 2733]	6220	[7599, 5126]	8675	[9139, 1944]
1311	[2342, 872]	3766	[2596, 4804]	6221	[7600, 7601]	8676	[2746, 4851]
1312	[2343, 2344]	3767	[5465, 5466]	6222	[1894, 2800]	8677	[8101, 9140]
1313	[2345, 2346]	3768	[5296, 5467]	6223	[7602, 4832]	8678	[7755, 5530]
1314	[2347, 2348]	3769	[5468, 861]	6224	[7603, 885]	8679	[9141, 7676]
1315	[2349, 801]	3770	[5469, 1744]	6225	[7604, 5133]	8680	[5098, 5655]
1316	[2350, 2351]	3771	[5470, 894]	6226	[2323, 7605]	8681	[9142, 2302]
1317	[2352, 2353]	3772	[4730, 5471]	6227	[7606, 7607]	8682	[4992, 2451]
1318	[2354, 2355]	3773	[5472, 4564]	6228	[5020, 2748]	8683	[9143, 7676]
1319	[189, 2088]	3774	[885, 5473]	6229	[706, 2055]	8684	[9081, 8421]
1320	[2356, 2281]	3775	[2725, 2394]	6230	[7608, 5694]	8685	[9144, 9145]
1321	[585, 2357]	3776	[494, 4579]	6231	[1813, 4986]	8686	[9146, 9147]
1322	[2358, 1900]	3777	[5474, 5475]	6232	[586, 7609]	8687	[9148, 9149]

1323	[2008, 2092]	3778	[5476, 2760]	6233	[7610, 7611]	8688	[5946, 1718]
1324	[2060, 1935]	3779	[5477, 203]	6234	[7612, 5128]	8689	[9150, 5028]
1325	[2359, 873]	3780	[4686, 1863]	6235	[7613, 7614]	8690	[2190, 8242]
1326	[2360, 2361]	3781	[5478, 515]	6236	[551, 5199]	8691	[679, 2097]
1327	[2362, 2363]	3782	[5479, 4570]	6237	[7615, 7616]	8692	[4745, 2034]
1328	[2364, 2365]	3783	[5480, 5071]	6238	[7617, 7618]	8693	[2638, 9151]
1329	[2366, 2367]	3784	[5481, 4634]	6239	[4503, 2068]	8694	[9152, 4722]
1330	[2368, 170]	3785	[5250, 5482]	6240	[7619, 7620]	8695	[5497, 5548]
1331	[2369, 2226]	3786	[5483, 2389]	6241	[2557, 5353]	8696	[2771, 4624]
1332	[2370, 2371]	3787	[4787, 2787]	6242	[5616, 5475]	8697	[7546, 9153]
1333	[2372, 2373]	3788	[1858, 2012]	6243	[2329, 4995]	8698	[4812, 1871]
1334	[2374, 2375]	3789	[5484, 2481]	6244	[7621, 4956]	8699	[9154, 1949]
1335	[2376, 626]	3790	[5485, 2440]	6245	[7622, 5254]	8700	[491, 7489]
1336	[2377, 2210]	3791	[589, 4651]	6246	[2474, 2567]	8701	[1955, 711]
1337	[1705, 622]	3792	[5486, 2014]	6247	[7623, 4859]	8702	[749, 7680]
1338	[2378, 2379]	3793	[5487, 5130]	6248	[7624, 5595]	8703	[5415, 9155]
1339	[2380, 2381]	3794	[5488, 2661]	6249	[782, 5524]	8704	[5726, 242]
1340	[2382, 2383]	3795	[5489, 5490]	6250	[7625, 534]	8705	[9156, 8299]
1341	[2384, 2385]	3796	[5491, 2612]	6251	[2383, 2029]	8706	[9015, 9145]
1342	[2386, 2387]	3797	[5492, 2219]	6252	[683, 7626]	8707	[9157, 5705]
1343	[1958, 1873]	3798	[5493, 5494]	6253	[4542, 7627]	8708	[5723, 2531]
1344	[2388, 1812]	3799	[5495, 2099]	6254	[7628, 7629]	8709	[2602, 890]
1345	[2389, 2390]	3800	[5403, 1981]	6255	[7630, 5871]	8710	[9158, 2084]
1346	[2391, 2392]	3801	[5496, 4467]	6256	[777, 635]	8711	[2051, 9159]
1347	[2393, 2394]	3802	[5497, 2323]	6257	[7631, 4900]	8712	[9160, 7582]
1348	[859, 2395]	3803	[5302, 5498]	6258	[7632, 4528]	8713	[600, 5504]
1349	[594, 2396]	3804	[5499, 5500]	6259	[495, 7633]	8714	[5799, 4681]
1350	[1842, 2397]	3805	[5501, 5502]	6260	[7634, 7635]	8715	[9161, 8017]
1351	[2398, 2399]	3806	[5503, 833]	6261	[5466, 7636]	8716	[8136, 9162]
1352	[2400, 2401]	3807	[775, 5504]	6262	[7637, 873]	8717	[9163, 9164]
1353	[2402, 2403]	3808	[5505, 2569]	6263	[5462, 4813]	8718	[9165, 9166]
1354	[2404, 181]	3809	[2795, 2097]	6264	[7638, 1915]	8719	[1821, 8134]
1355	[2405, 2406]	3810	[5506, 5507]	6265	[4743, 647]	8720	[9167, 7607]
1356	[655, 1711]	3811	[5508, 5509]	6266	[7639, 7640]	8721	[9168, 9169]
1357	[2407, 1807]	3812	[1746, 2283]	6267	[7641, 5337]	8722	[871, 2]
1358	[2190, 2401]	3813	[5510, 5189]	6268	[7642, 2177]	8723	[5360, 2873]
1359	[1986, 2042]	3814	[5511, 5512]	6269	[7643, 4539]	8724	[2194, 5422]
1360	[2408, 2409]	3815	[535, 5513]	6270	[7644, 552]	8725	[7853, 8085]
1361	[2410, 2411]	3816	[5514, 5515]	6271	[7645, 5369]	8726	[9170, 1927]
1362	[2412, 2413]	3817	[5516, 5517]	6272	[4470, 6014]	8727	[9171, 658]
1363	[2414, 2415]	3818	[5117, 4808]	6273	[7646, 4788]	8728	[9172, 879]
1364	[2416, 838]	3819	[4978, 5518]	6274	[7647, 2260]	8729	[9173, 537]
1365	[2417, 2418]	3820	[5498, 2559]	6275	[201, 2089]	8730	[5025, 5372]
1366	[2030, 157]	3821	[2348, 5454]	6276	[7648, 4921]	8731	[5554, 2654]

1367	[2419, 2420]	3822	[1970, 1755]	6277	[5715, 656]	8732	[2091, 9174]
1368	[2421, 2422]	3823	[5519, 494]	6278	[5650, 2617]	8733	[9175, 9176]
1369	[2028, 2423]	3824	[5520, 1867]	6279	[7649, 4968]	8734	[4670, 5580]
1370	[2424, 2425]	3825	[4747, 2174]	6280	[5680, 5416]	8735	[9177, 4728]
1371	[2426, 2427]	3826	[5521, 2192]	6281	[7650, 502]	8736	[5901, 9178]
1372	[2428, 2429]	3827	[5522, 1711]	6282	[5255, 5612]	8737	[9179, 5021]
1373	[2430, 2431]	3828	[5523, 1981]	6283	[2158, 5501]	8738	[9180, 8416]
1374	[2432, 2433]	3829	[5524, 5525]	6284	[7651, 841]	8739	[1987, 560]
1375	[2434, 2435]	3830	[5121, 4850]	6285	[5442, 7652]	8740	[1815, 4679]
1376	[2436, 2437]	3831	[5526, 4844]	6286	[7653, 7654]	8741	[9181, 2717]
1377	[57, 2438]	3832	[5527, 5528]	6287	[7655, 4923]	8742	[1706, 9182]
1378	[2439, 2255]	3833	[4568, 5529]	6288	[7656, 5532]	8743	[173, 225]
1379	[2440, 2441]	3834	[5530, 589]	6289	[7657, 7658]	8744	[4789, 2608]
1380	[2280, 2442]	3835	[750, 5531]	6290	[868, 505]	8745	[5507, 4472]
1381	[2443, 2444]	3836	[5532, 1808]	6291	[4687, 4764]	8746	[4788, 2607]
1382	[2017, 2445]	3837	[2814, 734]	6292	[2738, 2224]	8747	[9183, 8283]
1383	[2446, 700]	3838	[2340, 4970]	6293	[4871, 4563]	8748	[5585, 7553]
1384	[2447, 2448]	3839	[5533, 5534]	6294	[7659, 4906]	8749	[9165, 5963]
1385	[2449, 2450]	3840	[5340, 4780]	6295	[7660, 1849]	8750	[2652, 8329]
1386	[2451, 2375]	3841	[5535, 5536]	6296	[4887, 728]	8751	[7931, 2384]
1387	[2452, 2453]	3842	[5537, 5538]	6297	[7661, 2052]	8752	[9184, 5894]
1388	[2454, 2455]	3843	[5539, 5540]	6298	[7591, 5174]	8753	[9185, 2486]
1389	[2456, 2457]	3844	[5541, 5542]	6299	[7662, 7587]	8754	[9103, 9186]
1390	[2458, 2459]	3845	[5244, 5543]	6300	[7663, 4891]	8755	[9187, 9188]
1391	[2460, 2461]	3846	[5245, 5544]	6301	[7664, 5453]	8756	[8363, 4700]
1392	[2462, 2463]	3847	[4914, 4454]	6302	[673, 5213]	8757	[9189, 2862]
1393	[2464, 2465]	3848	[5545, 5169]	6303	[5685, 7665]	8758	[7674, 6020]
1394	[2466, 540]	3849	[5546, 5547]	6304	[7666, 7667]	8759	[7590, 2209]
1395	[2467, 2468]	3850	[5014, 4642]	6305	[7668, 800]	8760	[9190, 9191]
1396	[2469, 2470]	3851	[4862, 2442]	6306	[5707, 5051]	8761	[7837, 7667]
1397	[2471, 2472]	3852	[2322, 5548]	6307	[7669, 7670]	8762	[4851, 4729]
1398	[2473, 2474]	3853	[5549, 837]	6308	[7671, 7672]	8763	[483, 4859]
1399	[526, 2475]	3854	[184, 5550]	6309	[7673, 7674]	8764	[9192, 9193]
1400	[2476, 2477]	3855	[5551, 5552]	6310	[245, 5219]	8765	[9194, 6057]
1401	[2478, 2269]	3856	[5553, 4740]	6311	[7675, 2262]	8766	[5197, 9195]
1402	[2229, 2479]	3857	[5554, 4736]	6312	[537, 893]	8767	[9196, 9197]
1403	[2480, 2481]	3858	[5555, 5556]	6313	[7676, 184]	8768	[2769, 7826]
1404	[2482, 2483]	3859	[5557, 5558]	6314	[7677, 5234]	8769	[7934, 9198]
1405	[2484, 2485]	3860	[790, 4664]	6315	[4750, 2769]	8770	[9199, 2714]
1406	[2486, 2366]	3861	[5559, 5560]	6316	[7678, 5560]	8771	[5785, 721]
1407	[2487, 1708]	3862	[5561, 5500]	6317	[771, 2797]	8772	[9200, 5074]
1408	[2488, 2489]	3863	[5562, 5563]	6318	[5282, 2785]	8773	[2844, 9201]
1409	[2490, 2491]	3864	[5564, 5426]	6319	[7679, 5023]	8774	[9202, 5506]
1410	[2492, 826]	3865	[5565, 5566]	6320	[4701, 7680]	8775	[8411, 4673]

1411	[2493, 1789]	3866	[5567, 5251]	6321	[7681, 5362]	8776	[7831, 2160]
1412	[2494, 1841]	3867	[2224, 4523]	6322	[4534, 5077]	8777	[2288, 5988]
1413	[690, 2495]	3868	[5568, 2419]	6323	[7682, 759]	8778	[2815, 7917]
1414	[2496, 2497]	3869	[5569, 5044]	6324	[4771, 7683]	8779	[9203, 8314]
1415	[2498, 920]	3870	[2043, 1908]	6325	[837, 808]	8780	[780, 736]
1416	[2499, 1972]	3871	[4662, 1987]	6326	[5137, 763]	8781	[2157, 547]
1417	[597, 2500]	3872	[5092, 5570]	6327	[5109, 7537]	8782	[9204, 9066]
1418	[2501, 1794]	3873	[5571, 5572]	6328	[7684, 7685]	8783	[9205, 1776]
1419	[2502, 2503]	3874	[5573, 234]	6329	[2107, 2076]	8784	[2498, 5630]
1420	[2167, 2504]	3875	[5574, 2397]	6330	[1746, 4645]	8785	[228, 4596]
1421	[2505, 679]	3876	[2070, 5575]	6331	[7495, 7519]	8786	[8218, 5265]
1422	[2506, 2341]	3877	[5576, 2789]	6332	[2003, 4940]	8787	[9206, 5836]
1423	[2507, 2508]	3878	[4866, 5324]	6333	[7686, 149]	8788	[9207, 5192]
1424	[2509, 659]	3879	[1975, 5577]	6334	[171, 5944]	8789	[9208, 179]
1425	[2510, 2511]	3880	[4741, 716]	6335	[12, 7687]	8790	[5600, 1953]
1426	[2512, 2136]	3881	[5578, 5378]	6336	[7688, 7689]	8791	[5791, 5377]
1427	[2513, 2514]	3882	[2826, 1714]	6337	[1984, 745]	8792	[9209, 5007]
1428	[2515, 2516]	3883	[698, 5579]	6338	[4641, 142]	8793	[5837, 6023]
1429	[2517, 2518]	3884	[4877, 5580]	6339	[4834, 7690]	8794	[920, 662]
1430	[2519, 2520]	3885	[2856, 231]	6340	[630, 4698]	8795	[9210, 4806]
1431	[2521, 1765]	3886	[5270, 5581]	6341	[673, 7691]	8796	[722, 8373]
1432	[2522, 2523]	3887	[1886, 5582]	6342	[7692, 7693]	8797	[5710, 7750]
1433	[2524, 2525]	3888	[4652, 4494]	6343	[4609, 5448]	8798	[9211, 5750]
1434	[2526, 2527]	3889	[5583, 5057]	6344	[7694, 680]	8799	[7723, 2707]
1435	[2047, 908]	3890	[5584, 4654]	6345	[897, 5108]	8800	[9212, 7773]
1436	[2528, 2529]	3891	[5585, 5586]	6346	[7695, 2343]	8801	[5974, 2670]
1437	[2530, 2531]	3892	[5587, 2093]	6347	[5039, 2783]	8802	[9213, 9119]
1438	[2532, 2533]	3893	[5588, 5589]	6348	[2818, 5605]	8803	[9214, 4899]
1439	[2534, 2535]	3894	[5590, 5591]	6349	[5939, 7696]	8804	[837, 4568]
1440	[2077, 2536]	3895	[4759, 5592]	6350	[2523, 2770]	8805	[9215, 4756]
1441	[1972, 2058]	3896	[5593, 792]	6351	[5091, 5414]	8806	[9216, 4665]
1442	[2537, 1970]	3897	[5594, 2444]	6352	[7697, 7698]	8807	[9217, 4595]
1443	[2538, 922]	3898	[5595, 5596]	6353	[7699, 7700]	8808	[160, 1853]
1444	[2539, 2540]	3899	[5597, 5598]	6354	[7701, 7702]	8809	[7664, 2348]
1445	[2305, 2541]	3900	[4873, 2489]	6355	[2013, 7703]	8810	[8140, 5061]
1446	[1802, 2542]	3901	[5599, 786]	6356	[4795, 6074]	8811	[4636, 1909]
1447	[2543, 2544]	3902	[2843, 1835]	6357	[7704, 7705]	8812	[9218, 2302]
1448	[2545, 2546]	3903	[5600, 5601]	6358	[5699, 4500]	8813	[5626, 5208]
1449	[1928, 2331]	3904	[5602, 4757]	6359	[2002, 2299]	8814	[5026, 7985]
1450	[2475, 2547]	3905	[2870, 5603]	6360	[7706, 2440]	8815	[787, 9219]
1451	[2548, 53]	3906	[1998, 5007]	6361	[7707, 6035]	8816	[211, 132]
1452	[2438, 2159]	3907	[5604, 2646]	6362	[5237, 2814]	8817	[9220, 9221]
1453	[2254, 2549]	3908	[4567, 5605]	6363	[7708, 5760]	8818	[5100, 2703]
1454	[2550, 602]	3909	[5606, 5607]	6364	[5170, 2824]	8819	[4998, 1971]

1455	[2551, 2552]	3910	[5608, 5609]	6365	[541, 4518]	8820	[9222, 9223]
1456	[2199, 2553]	3911	[5610, 5131]	6366	[2083, 4811]	8821	[9224, 9225]
1457	[2554, 1759]	3912	[5611, 5612]	6367	[2574, 588]	8822	[916, 206]
1458	[2555, 2556]	3913	[4742, 5613]	6368	[7709, 7710]	8823	[569, 4777]
1459	[2557, 799]	3914	[5614, 4967]	6369	[7711, 555]	8824	[8038, 9226]
1460	[2558, 2559]	3915	[4606, 5615]	6370	[7712, 7713]	8825	[9227, 5159]
1461	[2560, 2512]	3916	[569, 2733]	6371	[2670, 2142]	8826	[9228, 9229]
1462	[1803, 2561]	3917	[5616, 5617]	6372	[2488, 4874]	8827	[9230, 9231]
1463	[2562, 2563]	3918	[5618, 5619]	6373	[7714, 2450]	8828	[8407, 1894]
1464	[2564, 661]	3919	[5353, 5620]	6374	[1715, 7715]	8829	[9232, 7580]
1465	[2565, 2566]	3920	[184, 807]	6375	[2591, 7716]	8830	[7482, 5486]
1466	[2567, 2555]	3921	[4622, 5360]	6376	[2131, 2250]	8831	[2326, 5569]
1467	[2568, 2569]	3922	[5621, 5287]	6377	[7717, 7718]	8832	[9107, 1938]
1468	[2543, 2570]	3923	[5622, 5623]	6378	[6031, 4652]	8833	[5419, 9233]
1469	[2571, 2572]	3924	[2531, 5463]	6379	[7719, 2715]	8834	[4786, 2786]
1470	[2573, 2574]	3925	[5624, 2082]	6380	[4496, 4601]	8835	[9029, 587]
1471	[685, 1732]	3926	[5625, 4927]	6381	[5907, 7614]	8836	[9234, 9235]
1472	[2575, 2576]	3927	[5626, 5627]	6382	[7720, 2747]	8837	[4616, 4720]
1473	[2577, 2578]	3928	[5628, 5241]	6383	[4821, 2766]	8838	[9236, 5041]
1474	[2579, 2567]	3929	[4886, 2259]	6384	[7721, 2588]	8839	[2241, 879]
1475	[2580, 2581]	3930	[5629, 246]	6385	[7722, 6082]	8840	[9237, 8037]
1476	[2582, 2583]	3931	[738, 5152]	6386	[642, 4814]	8841	[8352, 2371]
1477	[2584, 619]	3932	[5630, 662]	6387	[7723, 2025]	8842	[4847, 4793]
1478	[2585, 2586]	3933	[5535, 5631]	6388	[5999, 1804]	8843	[9238, 9239]
1479	[2220, 2587]	3934	[5632, 4541]	6389	[2592, 7724]	8844	[5169, 9240]
1480	[2588, 2589]	3935	[2151, 5467]	6390	[7725, 5654]	8845	[238, 9241]
1481	[2040, 545]	3936	[4565, 5633]	6391	[7726, 4506]	8846	[9242, 8261]
1482	[60, 2491]	3937	[5634, 5474]	6392	[7727, 5520]	8847	[7950, 7629]
1483	[2114, 2188]	3938	[2462, 5635]	6393	[4623, 7728]	8848	[1740, 9243]
1484	[2590, 2591]	3939	[5573, 1753]	6394	[7729, 7730]	8849	[7920, 9244]
1485	[2592, 1865]	3940	[5636, 597]	6395	[7680, 5531]	8850	[4610, 2274]
1486	[2593, 1810]	3941	[5637, 5004]	6396	[1916, 5345]	8851	[655, 5172]
1487	[2594, 2595]	3942	[5638, 5639]	6397	[2640, 735]	8852	[7605, 8268]
1488	[2596, 1819]	3943	[2798, 2541]	6398	[4899, 7731]	8853	[8148, 1806]
1489	[2597, 2598]	3944	[5640, 2627]	6399	[7732, 4638]	8854	[4547, 9245]
1490	[2599, 2209]	3945	[4611, 5641]	6400	[5425, 7733]	8855	[1902, 2068]
1491	[2600, 2601]	3946	[5642, 5643]	6401	[7734, 2230]	8856	[9246, 8399]
1492	[2602, 911]	3947	[5644, 4457]	6402	[7735, 7736]	8857	[8015, 4553]
1493	[2603, 2604]	3948	[5645, 652]	6403	[7737, 7738]	8858	[9247, 2217]
1494	[2605, 656]	3949	[5646, 5647]	6404	[4723, 7739]	8859	[2703, 9248]
1495	[2606, 584]	3950	[2625, 2266]	6405	[7740, 4785]	8860	[9249, 5055]
1496	[2607, 2608]	3951	[5648, 797]	6406	[686, 2604]	8861	[61, 2388]
1497	[2609, 881]	3952	[5649, 5400]	6407	[7741, 7742]	8862	[9250, 1949]
1498	[2610, 2611]	3953	[651, 5650]	6408	[7743, 2811]	8863	[701, 5528]

1499	[2612, 2613]	3954	[5651, 5221]	6409	[2181, 2240]	8864	[9251, 5951]
1500	[2614, 1834]	3955	[5652, 5653]	6410	[2759, 7744]	8865	[5216, 8098]
1501	[2615, 2616]	3956	[5654, 5299]	6411	[644, 5450]	8866	[2303, 1788]
1502	[1761, 2617]	3957	[5655, 5656]	6412	[7745, 7746]	8867	[9217, 9252]
1503	[2618, 2205]	3958	[5657, 5658]	6413	[5751, 715]	8868	[4867, 7799]
1504	[2619, 2178]	3959	[4639, 5659]	6414	[7747, 5235]	8869	[7762, 5124]
1505	[2486, 2620]	3960	[5660, 5540]	6415	[38, 5498]	8870	[2454, 4475]
1506	[2621, 2379]	3961	[5661, 5662]	6416	[7748, 190]	8871	[4598, 2586]
1507	[2622, 2623]	3962	[5663, 876]	6417	[2399, 5825]	8872	[9253, 9254]
1508	[2624, 2625]	3963	[4551, 2495]	6418	[7749, 4972]	8873	[9255, 5668]
1509	[2626, 2627]	3964	[5664, 5665]	6419	[163, 7750]	8874	[8043, 2427]
1510	[624, 2110]	3965	[5666, 5667]	6420	[5485, 5018]	8875	[5682, 4949]
1511	[2628, 2629]	3966	[5668, 5669]	6421	[7, 2253]	8876	[9256, 2256]
1512	[2630, 2631]	3967	[5670, 5653]	6422	[7751, 134]	8877	[55, 1823]
1513	[699, 2632]	3968	[5671, 761]	6423	[4790, 6033]	8878	[8189, 8209]
1514	[2633, 2634]	3969	[5672, 5673]	6424	[7752, 2080]	8879	[4503, 1903]
1515	[2635, 857]	3970	[5674, 2303]	6425	[5499, 7753]	8880	[9257, 9258]
1516	[2636, 2637]	3971	[5078, 51]	6426	[7754, 7555]	8881	[5182, 5779]
1517	[2638, 2639]	3972	[5675, 5676]	6427	[7755, 588]	8882	[9259, 1798]
1518	[2640, 780]	3973	[895, 5325]	6428	[7756, 7757]	8883	[9100, 5589]
1519	[127, 2641]	3974	[5677, 5584]	6429	[895, 7758]	8884	[4758, 5295]
1520	[2642, 133]	3975	[5678, 788]	6430	[7759, 5161]	8885	[59, 2490]
1521	[2643, 2644]	3976	[5679, 1956]	6431	[7760, 7761]	8886	[9260, 8343]
1522	[2645, 2646]	3977	[5680, 2148]	6432	[713, 194]	8887	[2451, 8255]
1523	[2647, 1837]	3978	[2012, 4884]	6433	[1907, 7762]	8888	[9261, 5034]
1524	[2648, 2649]	3979	[5681, 4651]	6434	[5501, 4558]	8889	[9262, 9111]
1525	[2650, 2019]	3980	[5682, 5683]	6435	[7763, 5495]	8890	[2313, 9263]
1526	[2651, 571]	3981	[1754, 4515]	6436	[7764, 5140]	8891	[212, 4801]
1527	[2117, 2652]	3982	[1855, 2884]	6437	[6039, 1907]	8892	[5156, 9264]
1528	[2653, 2654]	3983	[5670, 5684]	6438	[4794, 5825]	8893	[7516, 9265]
1529	[2655, 2656]	3984	[5685, 5306]	6439	[7765, 2070]	8894	[2461, 9266]
1530	[2657, 2658]	3985	[5686, 5687]	6440	[7766, 7767]	8895	[5884, 7762]
1531	[2659, 2660]	3986	[5688, 5402]	6441	[7768, 4848]	8896	[1932, 4694]
1532	[2432, 2661]	3987	[5689, 769]	6442	[824, 5965]	8897	[4932, 2117]
1533	[2662, 2663]	3988	[5690, 5691]	6443	[2447, 2595]	8898	[2234, 4563]
1534	[232, 2664]	3989	[5692, 2812]	6444	[4564, 4902]	8899	[9168, 7984]
1535	[2665, 2666]	3990	[5693, 5694]	6445	[5175, 516]	8900	[9267, 7944]
1536	[1911, 2667]	3991	[753, 5695]	6446	[7769, 5710]	8901	[9268, 5034]
1537	[567, 2668]	3992	[5696, 5232]	6447	[5692, 4626]	8902	[4760, 7529]
1538	[2669, 2670]	3993	[5697, 2198]	6448	[7770, 6078]	8903	[8410, 813]
1539	[2671, 2672]	3994	[5698, 2424]	6449	[7771, 2327]	8904	[6053, 5065]
1540	[776, 2673]	3995	[767, 5699]	6450	[5903, 1967]	8905	[9269, 8266]
1541	[575, 2674]	3996	[5338, 2190]	6451	[5831, 4818]	8906	[5455, 9270]
1542	[2675, 2676]	3997	[5700, 4615]	6452	[4973, 2545]	8907	[9271, 5972]

1543	[682, 2677]	3998	[5701, 5702]	6453	[7772, 7773]	8908	[2482, 8434]
1544	[2678, 2679]	3999	[5703, 5704]	6454	[4714, 4929]	8909	[7699, 8362]
1545	[2680, 2681]	4000	[5705, 5706]	6455	[805, 4460]	8910	[9210, 9272]
1546	[2682, 2066]	4001	[5707, 2500]	6456	[7514, 886]	8911	[9273, 7919]
1547	[2683, 2684]	4002	[5708, 5709]	6457	[2105, 7774]	8912	[4866, 9274]
1548	[2685, 2686]	4003	[237, 188]	6458	[679, 5922]	8913	[727, 2338]
1549	[1824, 1854]	4004	[1868, 2324]	6459	[7668, 2349]	8914	[5979, 1923]
1550	[2687, 2688]	4005	[5710, 164]	6460	[7775, 7528]	8915	[5483, 5138]
1551	[2689, 1819]	4006	[5683, 2434]	6461	[7776, 5889]	8916	[2606, 4621]
1552	[2440, 1777]	4007	[227, 2091]	6462	[6064, 2672]	8917	[828, 5636]
1553	[2690, 2691]	4008	[2065, 2107]	6463	[7777, 7757]	8918	[5880, 152]
1554	[2692, 2693]	4009	[2756, 5711]	6464	[2612, 7778]	8919	[5820, 485]
1555	[2694, 2695]	4010	[5712, 5713]	6465	[7779, 7536]	8920	[9275, 761]
1556	[2696, 2697]	4011	[45, 5714]	6466	[2187, 5132]	8921	[9276, 7821]
1557	[1985, 2041]	4012	[869, 506]	6467	[7780, 5756]	8922	[7798, 2402]
1558	[2698, 2699]	4013	[5715, 717]	6468	[7647, 4689]	8923	[671, 141]
1559	[823, 2415]	4014	[5716, 5717]	6469	[4869, 1759]	8924	[854, 1731]
1560	[2700, 2241]	4015	[5718, 565]	6470	[7781, 7493]	8925	[8068, 9277]
1561	[2701, 2702]	4016	[5005, 574]	6471	[7782, 7507]	8926	[9278, 9279]
1562	[2703, 2704]	4017	[2345, 4857]	6472	[2359, 5646]	8927	[9280, 9281]
1563	[1806, 2705]	4018	[5308, 763]	6473	[7783, 7784]	8928	[4673, 5164]
1564	[1767, 2706]	4019	[5719, 4737]	6474	[7785, 4838]	8929	[4643, 9282]
1565	[2024, 2707]	4020	[5565, 4925]	6475	[7786, 5659]	8930	[2380, 8154]
1566	[2708, 548]	4021	[910, 5720]	6476	[130, 7787]	8931	[9283, 9284]
1567	[2709, 2710]	4022	[4924, 5566]	6477	[7788, 863]	8932	[7649, 4885]
1568	[2711, 2712]	4023	[2594, 2448]	6478	[2466, 4878]	8933	[9285, 8344]
1569	[2542, 2713]	4024	[5721, 2172]	6479	[5329, 5643]	8934	[5790, 4976]
1570	[2714, 1780]	4025	[5722, 5723]	6480	[211, 2642]	8935	[1817, 9286]
1571	[2715, 2028]	4026	[5102, 1849]	6481	[136, 7789]	8936	[2701, 2806]
1572	[2716, 2717]	4027	[5724, 2746]	6482	[7790, 2496]	8937	[1885, 8040]
1573	[172, 2718]	4028	[5725, 2246]	6483	[5992, 229]	8938	[9287, 9288]
1574	[1918, 2719]	4029	[2603, 687]	6484	[2533, 6081]	8939	[1846, 7525]
1575	[1938, 2720]	4030	[5726, 918]	6485	[7791, 2798]	8940	[9289, 2886]
1576	[2721, 2722]	4031	[5727, 921]	6486	[756, 4797]	8941	[6073, 4867]
1577	[2636, 2723]	4032	[5728, 5729]	6487	[7792, 5607]	8942	[9290, 9291]
1578	[2724, 2725]	4033	[4950, 156]	6488	[7793, 2659]	8943	[641, 7499]
1579	[2726, 2207]	4034	[5730, 5731]	6489	[7631, 7731]	8944	[9292, 9293]
1580	[2520, 247]	4035	[5732, 4503]	6490	[5037, 560]	8945	[7852, 9294]
1581	[2727, 60]	4036	[5733, 592]	6491	[7794, 2311]	8946	[9295, 7716]
1582	[2728, 2729]	4037	[5734, 5110]	6492	[7795, 2386]	8947	[658, 7541]
1583	[694, 2550]	4038	[5097, 1874]	6493	[7644, 1926]	8948	[9296, 8174]
1584	[2730, 2664]	4039	[5735, 5736]	6494	[920, 4723]	8949	[1713, 2827]
1585	[2731, 862]	4040	[5737, 759]	6495	[7796, 2264]	8950	[224, 174]
1586	[2732, 2373]	4041	[5738, 5739]	6496	[7797, 2537]	8951	[9097, 1841]

1587	[2733, 1887]	4042	[172, 5740]	6497	[7798, 7681]	8952	[213, 4802]
1588	[2734, 2735]	4043	[5741, 5126]	6498	[7799, 707]	8953	[9297, 1723]
1589	[2736, 2737]	4044	[5742, 5743]	6499	[1779, 2736]	8954	[4774, 9298]
1590	[2738, 2739]	4045	[2520, 5162]	6500	[7800, 7801]	8955	[2473, 2579]
1591	[2166, 2740]	4046	[4853, 853]	6501	[4642, 143]	8956	[9299, 4980]
1592	[2497, 2741]	4047	[5744, 4918]	6502	[7802, 2399]	8957	[5928, 2139]
1593	[2742, 2743]	4048	[5745, 2050]	6503	[7803, 5476]	8958	[9300, 2699]
1594	[2744, 2745]	4049	[5746, 730]	6504	[7804, 4745]	8959	[9301, 5478]
1595	[2746, 2611]	4050	[5747, 4711]	6505	[7805, 7806]	8960	[8394, 5615]
1596	[2747, 856]	4051	[5705, 5748]	6506	[7807, 7808]	8961	[7618, 7576]
1597	[1888, 2748]	4052	[5749, 5750]	6507	[7535, 7809]	8962	[8102, 2837]
1598	[2749, 2750]	4053	[5751, 4741]	6508	[7810, 4685]	8963	[2317, 8302]
1599	[1733, 2751]	4054	[5752, 1905]	6509	[2780, 7811]	8964	[9173, 528]
1600	[2108, 2547]	4055	[5468, 4662]	6510	[728, 7577]	8965	[9302, 2102]
1601	[2752, 2086]	4056	[5753, 5409]	6511	[1812, 7569]	8966	[2675, 5001]
1602	[2319, 2753]	4057	[5754, 5395]	6512	[5162, 248]	8967	[5622, 7856]
1603	[2754, 2755]	4058	[5553, 2847]	6513	[7812, 5739]	8968	[9303, 9304]
1604	[2756, 2357]	4059	[2817, 4567]	6514	[2259, 7813]	8969	[2174, 8010]
1605	[2757, 2758]	4060	[5755, 4791]	6515	[2656, 669]	8970	[4946, 1945]
1606	[2759, 2760]	4061	[5756, 236]	6516	[5721, 5304]	8971	[5018, 1777]
1607	[2219, 2761]	4062	[5286, 5757]	6517	[7814, 7815]	8972	[9305, 9288]
1608	[2762, 2294]	4063	[5651, 1773]	6518	[7816, 5823]	8973	[9117, 866]
1609	[2763, 2764]	4064	[761, 5758]	6519	[7817, 36]	8974	[9306, 8145]
1610	[2765, 2766]	4065	[631, 2435]	6520	[7818, 4910]	8975	[9307, 9116]
1611	[2643, 2036]	4066	[528, 538]	6521	[7819, 5309]	8976	[9037, 2459]
1612	[2767, 2768]	4067	[530, 2758]	6522	[7820, 7821]	8977	[2665, 9308]
1613	[2769, 2770]	4068	[5157, 1806]	6523	[7822, 7823]	8978	[9309, 9310]
1614	[2771, 1791]	4069	[5759, 5760]	6524	[7824, 5335]	8979	[5469, 2292]
1615	[2772, 2366]	4070	[590, 2328]	6525	[5153, 2623]	8980	[37, 5302]
1616	[719, 2773]	4071	[5761, 5762]	6526	[7825, 4930]	8981	[9311, 7657]
1617	[1981, 2774]	4072	[5763, 655]	6527	[2523, 7826]	8982	[2232, 9312]
1618	[2775, 2768]	4073	[5764, 2866]	6528	[7827, 7495]	8983	[7812, 9313]
1619	[2776, 2777]	4074	[5215, 4500]	6529	[7828, 7829]	8984	[2747, 9314]
1620	[2778, 2779]	4075	[2658, 5162]	6530	[1890, 505]	8985	[5263, 4707]
1621	[2780, 2781]	4076	[5765, 5713]	6531	[5828, 2150]	8986	[5321, 5563]
1622	[1796, 566]	4077	[5766, 2027]	6532	[4957, 5427]	8987	[167, 9315]
1623	[2782, 2783]	4078	[5146, 5619]	6533	[7830, 5116]	8988	[9316, 5661]
1624	[2784, 2785]	4079	[5767, 2583]	6534	[4633, 7831]	8989	[5532, 5112]
1625	[2786, 2787]	4080	[5768, 4919]	6535	[2426, 7832]	8990	[5090, 5290]
1626	[2788, 2789]	4081	[5769, 2041]	6536	[5059, 2078]	8991	[2199, 9317]
1627	[2790, 2791]	4082	[5770, 1704]	6537	[7833, 1965]	8992	[9318, 9319]
1628	[2644, 2792]	4083	[2277, 5771]	6538	[2163, 191]	8993	[8220, 7569]
1629	[2793, 2794]	4084	[5772, 181]	6539	[2419, 4914]	8994	[9320, 8237]
1630	[155, 2795]	4085	[5773, 10]	6540	[2579, 5252]	8995	[9321, 7868]

1631	[2796, 2797]	4086	[2512, 5326]	6541	[7834, 599]	8996	[5315, 7932]
1632	[2304, 2798]	4087	[743, 5774]	6542	[2835, 2387]	8997	[9322, 7824]
1633	[546, 2158]	4088	[5775, 760]	6543	[7835, 61]	8998	[5778, 5183]
1634	[1961, 52]	4089	[4531, 5603]	6544	[7836, 7837]	8999	[9323, 7893]
1635	[2799, 2800]	4090	[5440, 5776]	6545	[7838, 4837]	9000	[4975, 4468]
1636	[2801, 1804]	4091	[5777, 2759]	6546	[7839, 7483]	9001	[9324, 8294]
1637	[2802, 2803]	4092	[5778, 5779]	6547	[7840, 7841]	9002	[2178, 2777]
1638	[2804, 2362]	4093	[5780, 5781]	6548	[7819, 4846]	9003	[1834, 9325]
1639	[687, 2805]	4094	[561, 5782]	6549	[7842, 5185]	9004	[9326, 2301]
1640	[2806, 2571]	4095	[5350, 1801]	6550	[2250, 5717]	9005	[207, 8402]
1641	[2584, 2807]	4096	[2715, 2383]	6551	[7611, 7843]	9006	[144, 9327]
1642	[2808, 2457]	4097	[2644, 5783]	6552	[2128, 7844]	9007	[2571, 12]
1643	[2809, 2810]	4098	[892, 5595]	6553	[2781, 7845]	9008	[5725, 1762]
1644	[2811, 2812]	4099	[4872, 5111]	6554	[7846, 5665]	9009	[4935, 7972]
1645	[2813, 2814]	4100	[5556, 5784]	6555	[5254, 2625]	9010	[5307, 600]
1646	[2815, 2816]	4101	[5785, 2126]	6556	[1997, 5006]	9011	[2554, 4870]
1647	[2817, 2818]	4102	[1956, 712]	6557	[2184, 2508]	9012	[9328, 5445]
1648	[2819, 915]	4103	[5786, 2045]	6558	[7847, 5890]	9013	[9329, 9330]
1649	[2820, 2821]	4104	[2511, 5787]	6559	[554, 7848]	9014	[2948, 9331]
1650	[2822, 2243]	4105	[5788, 5135]	6560	[4734, 4758]	9015	[3605, 3942]
1651	[2823, 2824]	4106	[5789, 4966]	6561	[7604, 2352]	9016	[9332, 3149]
1652	[2825, 2244]	4107	[5790, 4468]	6562	[5054, 218]	9017	[9333, 7283]
1653	[2826, 2827]	4108	[5185, 5534]	6563	[850, 738]	9018	[9334, 1028]
1654	[2828, 2829]	4109	[5791, 5792]	6564	[7849, 7850]	9019	[9335, 1274]
1655	[2414, 824]	4110	[4963, 4883]	6565	[7851, 5840]	9020	[6234, 1525]
1656	[2830, 2201]	4111	[5793, 1853]	6566	[2562, 7696]	9021	[9336, 8529]
1657	[2831, 1942]	4112	[5794, 5795]	6567	[6036, 803]	9022	[6816, 9337]
1658	[2832, 2833]	4113	[4942, 5796]	6568	[7852, 888]	9023	[4107, 7448]
1659	[2834, 2835]	4114	[5797, 5495]	6569	[2069, 2037]	9024	[3120, 3237]
1660	[2836, 2262]	4115	[5611, 5256]	6570	[7853, 7854]	9025	[3827, 6807]
1661	[2837, 2838]	4116	[5089, 5365]	6571	[5151, 2685]	9026	[9338, 8668]
1662	[2839, 2840]	4117	[5798, 5799]	6572	[160, 1824]	9027	[6350, 4376]
1663	[2269, 710]	4118	[2778, 4713]	6573	[899, 883]	9028	[8605, 1066]
1664	[2841, 2125]	4119	[5800, 4961]	6574	[7855, 7729]	9029	[1519, 8920]
1665	[903, 2688]	4120	[1753, 235]	6575	[617, 707]	9030	[6490, 287]
1666	[2842, 2843]	4121	[5799, 1916]	6576	[7856, 7857]	9031	[6209, 7390]
1667	[2844, 176]	4122	[532, 2083]	6577	[7858, 7627]	9032	[4089, 3336]
1668	[618, 2807]	4123	[5801, 5802]	6578	[7859, 7860]	9033	[9339, 9340]
1669	[2845, 187]	4124	[5803, 236]	6579	[7861, 5662]	9034	[9341, 4221]
1670	[2846, 2636]	4125	[4994, 2330]	6580	[875, 7862]	9035	[1257, 3559]
1671	[912, 2736]	4126	[5804, 4679]	6581	[1762, 4803]	9036	[2894, 3842]
1672	[2847, 2848]	4127	[5080, 5086]	6582	[7863, 7864]	9037	[2920, 2888]
1673	[2849, 2850]	4128	[5805, 5806]	6583	[7865, 2409]	9038	[9342, 3894]
1674	[2695, 689]	4129	[5807, 1866]	6584	[7866, 7864]	9039	[9343, 6259]

1675	[2851, 744]	4130	[5808, 5809]	6585	[4677, 2331]	9040	[6673, 9344]
1676	[2852, 1805]	4131	[4851, 5810]	6586	[5601, 7867]	9041	[3848, 7246]
1677	[2853, 2854]	4132	[5811, 5812]	6587	[7868, 7869]	9042	[6330, 7034]
1678	[2505, 2795]	4133	[5813, 5814]	6588	[5545, 2648]	9043	[9345, 9346]
1679	[2855, 2856]	4134	[5815, 4652]	6589	[2474, 5252]	9044	[1260, 6424]
1680	[2857, 2858]	4135	[5816, 4789]	6590	[7870, 2616]	9045	[7260, 6748]
1681	[2859, 2860]	4136	[4476, 5817]	6591	[7871, 4643]	9046	[3281, 3425]
1682	[2861, 2862]	4137	[5818, 2642]	6592	[7872, 4661]	9047	[8998, 3576]
1683	[2863, 1892]	4138	[2885, 5133]	6593	[2735, 6081]	9048	[7332, 9347]
1684	[2864, 2865]	4139	[654, 5522]	6594	[7873, 7732]	9049	[9348, 3609]
1685	[2866, 2867]	4140	[5048, 906]	6595	[7874, 4930]	9050	[7256, 6823]
1686	[32, 2868]	4141	[4689, 2261]	6596	[869, 2446]	9051	[4031, 6235]
1687	[36, 2869]	4142	[5053, 2026]	6597	[7875, 2801]	9052	[8629, 9349]
1688	[2870, 2871]	4143	[4523, 5819]	6598	[7876, 7877]	9053	[9350, 423]
1689	[2872, 678]	4144	[1800, 5290]	6599	[5192, 5472]	9054	[9351, 7197]
1690	[2147, 2873]	4145	[5820, 870]	6600	[7878, 7779]	9055	[8634, 7284]
1691	[2874, 2875]	4146	[2036, 2792]	6601	[2045, 5107]	9056	[8663, 1665]
1692	[2876, 2877]	4147	[169, 5821]	6602	[7879, 2514]	9057	[8971, 8502]
1693	[865, 2878]	4148	[5822, 5823]	6603	[5568, 4913]	9058	[4404, 117]
1694	[2879, 2349]	4149	[5103, 1850]	6604	[7880, 5698]	9059	[9352, 1296]
1695	[2880, 2881]	4150	[628, 2437]	6605	[7612, 6006]	9060	[3645, 9353]
1696	[2882, 2883]	4151	[5824, 5488]	6606	[4977, 5524]	9061	[4442, 3537]
1697	[599, 2884]	4152	[4818, 643]	6607	[2724, 2393]	9062	[2974, 9354]
1698	[2885, 2352]	4153	[5825, 5826]	6608	[2682, 5151]	9063	[9355, 9356]
1699	[553, 2886]	4154	[5370, 2316]	6609	[1979, 7538]	9064	[9357, 7360]
1700	[1934, 2061]	4155	[493, 4578]	6610	[2214, 2287]	9065	[7459, 9358]
1701	[2887, 2888]	4156	[5827, 4530]	6611	[191, 2360]	9066	[9359, 7039]
1702	[2889, 2890]	4157	[2000, 573]	6612	[7881, 5746]	9067	[4199, 9360]
1703	[997, 2891]	4158	[5828, 488]	6613	[186, 7882]	9068	[8676, 8603]
1704	[2892, 2893]	4159	[5829, 2680]	6614	[7883, 510]	9069	[3917, 1229]
1705	[2894, 2895]	4160	[5830, 57]	6615	[7884, 1823]	9070	[9361, 7291]
1706	[2896, 2897]	4161	[5831, 642]	6616	[7885, 7886]	9071	[6277, 9362]
1707	[2898, 2899]	4162	[5832, 5365]	6617	[7887, 5565]	9072	[6421, 1253]
1708	[2900, 1359]	4163	[2258, 5833]	6618	[576, 2001]	9073	[8919, 249]
1709	[2901, 2902]	4164	[2170, 5834]	6619	[575, 5344]	9074	[8739, 9363]
1710	[2903, 946]	4165	[5835, 5836]	6620	[1992, 2006]	9075	[9364, 6795]
1711	[1244, 2904]	4166	[5837, 1844]	6621	[2006, 2299]	9076	[9365, 3515]
1712	[2905, 2906]	4167	[5838, 5839]	6622	[5279, 2507]	9077	[8660, 9366]
1713	[2907, 2908]	4168	[2857, 5840]	6623	[2298, 1994]	9078	[7169, 9367]
1714	[2909, 2910]	4169	[5841, 1884]	6624	[1991, 2005]	9079	[3355, 6437]
1715	[2911, 2912]	4170	[2074, 593]	6625	[1996, 5008]	9080	[3219, 9368]
1716	[2913, 2914]	4171	[1935, 5045]	6626	[4941, 2123]	9081	[7368, 250]
1717	[2915, 451]	4172	[4509, 2693]	6627	[4585, 5060]	9082	[9369, 8946]
1718	[2916, 2917]	4173	[5842, 5843]	6628	[5966, 1755]	9083	[7081, 3303]

1719	[2918, 2919]	4174	[4895, 5844]	6629	[1965, 5709]	9084	[1206, 1433]
1720	[2920, 2921]	4175	[2221, 2763]	6630	[7651, 5411]	9085	[8709, 1451]
1721	[2922, 1459]	4176	[5845, 5343]	6631	[7836, 7666]	9086	[6925, 3334]
1722	[2923, 2924]	4177	[632, 4947]	6632	[7888, 5979]	9087	[9370, 7121]
1723	[1551, 2925]	4178	[2360, 5122]	6633	[7889, 7890]	9088	[6869, 3605]
1724	[2926, 2927]	4179	[5846, 4575]	6634	[5284, 4621]	9089	[9371, 1160]
1725	[2928, 2925]	4180	[5847, 5463]	6635	[2332, 6007]	9090	[9372, 6113]
1726	[2929, 2930]	4181	[5848, 2579]	6636	[578, 210]	9091	[3113, 3413]
1727	[2931, 2932]	4182	[5205, 2796]	6637	[7891, 171]	9092	[2917, 9349]
1728	[2933, 2934]	4183	[5426, 4809]	6638	[1710, 7522]	9093	[9373, 7342]
1729	[2935, 2936]	4184	[4599, 5849]	6639	[7892, 7893]	9094	[3236, 9350]
1730	[2937, 2938]	4185	[4588, 5592]	6640	[7894, 5557]	9095	[8503, 473]
1731	[2939, 2940]	4186	[1946, 2465]	6641	[5812, 5375]	9096	[9374, 1000]
1732	[1591, 2941]	4187	[5798, 4514]	6642	[5260, 5462]	9097	[1196, 80]
1733	[2942, 287]	4188	[5850, 4586]	6643	[5049, 7895]	9098	[4291, 6099]
1734	[2943, 2944]	4189	[1846, 4719]	6644	[7896, 7897]	9099	[8583, 1130]
1735	[2945, 2946]	4190	[5851, 607]	6645	[5990, 5581]	9100	[4168, 1667]
1736	[2947, 2948]	4191	[574, 5008]	6646	[5994, 44]	9101	[9375, 6427]
1737	[1304, 2949]	4192	[5852, 5654]	6647	[7898, 5394]	9102	[3056, 1594]
1738	[2950, 2951]	4193	[2099, 2334]	6648	[2852, 7899]	9103	[4430, 4076]
1739	[280, 2952]	4194	[2056, 61]	6649	[7900, 1959]	9104	[71, 6793]
1740	[2953, 2954]	4195	[5853, 2204]	6650	[4488, 5281]	9105	[7304, 3904]
1741	[360, 2955]	4196	[5854, 757]	6651	[7901, 161]	9106	[3598, 4283]
1742	[2956, 2957]	4197	[5855, 1928]	6652	[7902, 7903]	9107	[2901, 7213]
1743	[2958, 2959]	4198	[5856, 581]	6653	[5753, 5912]	9108	[977, 1461]
1744	[2960, 2961]	4199	[4600, 4497]	6654	[1720, 6067]	9109	[4058, 3920]
1745	[2962, 345]	4200	[5857, 5858]	6655	[7594, 504]	9110	[6347, 9376]
1746	[2963, 2964]	4201	[1943, 5602]	6656	[7904, 2153]	9111	[9377, 9378]
1747	[2965, 2966]	4202	[4650, 5859]	6657	[7905, 7844]	9112	[9379, 6335]
1748	[2967, 2968]	4203	[5860, 5861]	6658	[1900, 7906]	9113	[9380, 9381]
1749	[2969, 2970]	4204	[5452, 5862]	6659	[7823, 2133]	9114	[9382, 3094]
1750	[2971, 1602]	4205	[5863, 5864]	6660	[4882, 5937]	9115	[6116, 3967]
1751	[2972, 2973]	4206	[5865, 5866]	6661	[7907, 7908]	9116	[9383, 9384]
1752	[2974, 2975]	4207	[5867, 2597]	6662	[2879, 800]	9117	[6315, 1612]
1753	[2976, 340]	4208	[4870, 1760]	6663	[7803, 2759]	9118	[7088, 2996]
1754	[2977, 2978]	4209	[755, 4796]	6664	[7551, 7909]	9119	[9385, 7451]
1755	[2979, 2980]	4210	[5757, 4956]	6665	[7910, 2412]	9120	[4086, 9386]
1756	[2981, 2982]	4211	[4524, 5796]	6666	[2207, 7715]	9121	[7419, 6626]
1757	[2983, 2984]	4212	[5036, 5868]	6667	[7911, 5565]	9122	[1195, 6371]
1758	[2985, 2986]	4213	[5869, 5870]	6668	[5234, 518]	9123	[6175, 2926]
1759	[2987, 2988]	4214	[5810, 4730]	6669	[1967, 7912]	9124	[7380, 1133]
1760	[2989, 2990]	4215	[2435, 495]	6670	[7913, 594]	9125	[3572, 3514]
1761	[940, 2991]	4216	[5871, 5872]	6671	[7761, 5986]	9126	[7326, 9387]
1762	[2992, 1246]	4217	[5873, 880]	6672	[589, 784]	9127	[8885, 1408]

1763	[2993, 321]	4218	[244, 5314]	6673	[7706, 5018]	9128	[3863, 7271]
1764	[2994, 2995]	4219	[5874, 2719]	6674	[7529, 839]	9129	[9388, 9389]
1765	[2996, 2997]	4220	[5875, 4768]	6675	[7914, 2148]	9130	[1600, 3627]
1766	[2998, 2999]	4221	[5876, 5877]	6676	[5055, 600]	9131	[6380, 8809]
1767	[3000, 2941]	4222	[5878, 5618]	6677	[1983, 5097]	9132	[9390, 9391]
1768	[3001, 3002]	4223	[5879, 703]	6678	[7915, 2109]	9133	[8853, 3487]
1769	[3003, 3004]	4224	[5880, 5111]	6679	[7916, 4477]	9134	[8936, 421]
1770	[3005, 3006]	4225	[1866, 5881]	6680	[5144, 7917]	9135	[6662, 7033]
1771	[3007, 1629]	4226	[5882, 5883]	6681	[6080, 754]	9136	[350, 8788]
1772	[3008, 1276]	4227	[5884, 5123]	6682	[7918, 7919]	9137	[2900, 1060]
1773	[3009, 3010]	4228	[4907, 5885]	6683	[7920, 4631]	9138	[983, 3294]
1774	[1534, 3011]	4229	[5886, 5814]	6684	[7921, 4481]	9139	[325, 6107]
1775	[278, 1625]	4230	[763, 4697]	6685	[7922, 7850]	9140	[9392, 8826]
1776	[3012, 3013]	4231	[5887, 568]	6686	[7923, 7924]	9141	[9393, 9394]
1777	[3014, 3015]	4232	[5888, 5889]	6687	[5645, 139]	9142	[6414, 3759]
1778	[3016, 3017]	4233	[5890, 2156]	6688	[7861, 7524]	9143	[4223, 362]
1779	[406, 3018]	4234	[5891, 5892]	6689	[2801, 2852]	9144	[3884, 3727]
1780	[3019, 3020]	4235	[5327, 5893]	6690	[2285, 5096]	9145	[9395, 8597]
1781	[3021, 3022]	4236	[5690, 5894]	6691	[7740, 7925]	9146	[3374, 4212]
1782	[3023, 3024]	4237	[5895, 4997]	6692	[7926, 210]	9147	[8957, 294]
1783	[3025, 1670]	4238	[4824, 5635]	6693	[5599, 5356]	9148	[8778, 9396]
1784	[3026, 375]	4239	[5896, 5897]	6694	[7546, 2273]	9149	[9397, 8447]
1785	[3027, 3028]	4240	[5898, 2461]	6695	[7826, 6015]	9150	[4440, 9398]
1786	[3029, 3030]	4241	[5899, 5900]	6696	[7927, 7928]	9151	[9399, 3979]
1787	[3031, 1090]	4242	[5901, 2659]	6697	[5999, 2852]	9152	[3438, 3168]
1788	[3032, 966]	4243	[5902, 1893]	6698	[5187, 2516]	9153	[9400, 9401]
1789	[3033, 3034]	4244	[2035, 2644]	6699	[7929, 4738]	9154	[8897, 9402]
1790	[3035, 3036]	4245	[2228, 2396]	6700	[640, 7498]	9155	[9403, 3374]
1791	[3037, 3038]	4246	[5903, 53]	6701	[4603, 7930]	9156	[8567, 6116]
1792	[1535, 1369]	4247	[5904, 5639]	6702	[5356, 787]	9157	[6118, 9404]
1793	[3039, 3040]	4248	[1917, 5905]	6703	[7931, 4978]	9158	[1036, 3465]
1794	[3041, 1190]	4249	[5906, 4672]	6704	[5733, 2074]	9159	[9405, 8894]
1795	[3042, 3043]	4250	[579, 211]	6705	[2307, 7932]	9160	[3155, 940]
1796	[3044, 1084]	4251	[5907, 5908]	6706	[7933, 2392]	9161	[1099, 6605]
1797	[3045, 3046]	4252	[5850, 5060]	6707	[2851, 5774]	9162	[4012, 3613]
1798	[3047, 3048]	4253	[5909, 921]	6708	[7670, 1730]	9163	[8722, 1212]
1799	[3049, 1687]	4254	[2337, 4598]	6709	[7858, 4543]	9164	[4212, 6862]
1800	[3050, 1520]	4255	[5910, 5911]	6710	[2882, 7677]	9165	[8835, 6186]
1801	[3051, 3052]	4256	[5408, 5912]	6711	[5713, 7934]	9166	[9406, 4300]
1802	[1268, 3053]	4257	[5688, 5913]	6712	[6028, 7935]	9167	[401, 3551]
1803	[3054, 266]	4258	[5914, 1720]	6713	[7834, 1855]	9168	[3294, 7278]
1804	[3055, 3056]	4259	[5915, 5916]	6714	[7936, 7484]	9169	[9407, 4325]
1805	[3057, 3058]	4260	[5612, 5917]	6715	[4642, 7558]	9170	[2989, 9408]
1806	[3059, 3060]	4261	[2206, 5918]	6716	[6029, 58]	9171	[1432, 1207]

1807	[3061, 3035]	4262	[2811, 4626]	6717	[7937, 671]	9172	[8669, 7011]
1808	[2959, 1043]	4263	[5919, 2512]	6718	[5101, 7938]	9173	[1696, 3366]
1809	[322, 3062]	4264	[5004, 4882]	6719	[5886, 7939]	9174	[9409, 8452]
1810	[438, 1136]	4265	[5920, 1822]	6720	[7940, 6025]	9175	[3039, 7441]
1811	[3063, 3064]	4266	[5921, 503]	6721	[7941, 7942]	9176	[9410, 7473]
1812	[3065, 357]	4267	[5922, 2098]	6722	[7943, 7944]	9177	[4426, 3511]
1813	[1291, 3066]	4268	[849, 4760]	6723	[2732, 4507]	9178	[8748, 437]
1814	[3067, 3068]	4269	[792, 4470]	6724	[4493, 4511]	9179	[6589, 1331]
1815	[3069, 3070]	4270	[799, 5620]	6725	[7945, 5226]	9180	[1628, 9411]
1816	[3071, 1460]	4271	[2558, 5923]	6726	[7946, 7947]	9181	[8814, 6541]
1817	[3072, 3073]	4272	[2469, 5386]	6727	[7582, 5650]	9182	[9412, 7172]
1818	[3074, 3075]	4273	[5311, 2114]	6728	[7948, 7742]	9183	[8566, 9413]
1819	[3076, 3077]	4274	[2155, 5924]	6729	[7949, 2702]	9184	[3444, 6539]
1820	[286, 3078]	4275	[5925, 5393]	6730	[7950, 7951]	9185	[1097, 4156]
1821	[1339, 117]	4276	[5137, 629]	6731	[7952, 1911]	9186	[4256, 7112]
1822	[3079, 3080]	4277	[1742, 5168]	6732	[7953, 5403]	9187	[3984, 6709]
1823	[3081, 3082]	4278	[4566, 2818]	6733	[7954, 5507]	9188	[9414, 9415]
1824	[315, 78]	4279	[5926, 4536]	6734	[2777, 7955]	9189	[8452, 8641]
1825	[3083, 3084]	4280	[5927, 899]	6735	[2125, 5655]	9190	[1634, 9416]
1826	[3085, 3086]	4281	[5474, 5617]	6736	[7822, 2132]	9191	[9417, 2950]
1827	[3087, 3088]	4282	[5928, 5929]	6737	[5328, 7956]	9192	[3348, 2945]
1828	[3089, 274]	4283	[5930, 5931]	6738	[662, 7739]	9193	[6929, 3719]
1829	[3090, 3091]	4284	[2347, 5453]	6739	[548, 7957]	9194	[7221, 3464]
1830	[3092, 3093]	4285	[5932, 2103]	6740	[7958, 5196]	9195	[6480, 4003]
1831	[3094, 3095]	4286	[756, 5933]	6741	[4657, 7959]	9196	[6423, 1261]
1832	[1012, 3096]	4287	[4732, 2016]	6742	[7960, 7961]	9197	[9418, 7242]
1833	[1155, 3097]	4288	[5934, 5764]	6743	[7962, 7963]	9198	[7219, 8952]
1834	[3098, 3099]	4289	[2465, 2564]	6744	[4729, 2484]	9199	[9419, 9420]
1835	[3100, 3101]	4290	[5935, 5936]	6745	[7964, 6073]	9200	[8730, 6448]
1836	[3102, 3103]	4291	[5891, 5937]	6746	[5802, 5164]	9201	[9421, 9422]
1837	[3104, 1502]	4292	[5938, 2208]	6747	[4976, 7865]	9202	[8701, 9423]
1838	[3105, 3106]	4293	[783, 5525]	6748	[5658, 5784]	9203	[9424, 3681]
1839	[3107, 3108]	4294	[5136, 5308]	6749	[2499, 2162]	9204	[8898, 2965]
1840	[3109, 3110]	4295	[831, 4556]	6750	[5577, 6086]	9205	[9425, 1419]
1841	[3111, 3112]	4296	[5939, 2563]	6751	[7926, 579]	9206	[333, 1185]
1842	[3, 3113]	4297	[5940, 5941]	6752	[7840, 7965]	9207	[3661, 342]
1843	[3114, 3115]	4298	[5942, 2096]	6753	[7966, 7967]	9208	[3561, 956]
1844	[3116, 3117]	4299	[4539, 5943]	6754	[2633, 2203]	9209	[9426, 8792]
1845	[3118, 3119]	4300	[2681, 2287]	6755	[845, 5424]	9210	[3774, 3634]
1846	[3120, 3121]	4301	[4753, 4752]	6756	[1986, 7968]	9211	[8813, 329]
1847	[3122, 3123]	4302	[4818, 4814]	6757	[209, 2755]	9212	[9427, 9428]
1848	[3124, 3125]	4303	[5944, 2718]	6758	[166, 2637]	9213	[6535, 9429]
1849	[454, 2186]	4304	[2307, 5316]	6759	[7765, 2037]	9214	[1379, 9430]
1850	[3126, 3127]	4305	[2376, 208]	6760	[7969, 7970]	9215	[7077, 6728]

1851	[3128, 3129]	4306	[2787, 2307]	6761	[2729, 5757]	9216	[8918, 6298]
1852	[3130, 3131]	4307	[4614, 596]	6762	[7971, 7972]	9217	[1548, 1335]
1853	[3132, 3133]	4308	[5945, 5523]	6763	[7973, 2404]	9218	[4343, 9431]
1854	[317, 3134]	4309	[5946, 5947]	6764	[7748, 2088]	9219	[9432, 7270]
1855	[3135, 3136]	4310	[5479, 218]	6765	[7974, 644]	9220	[7199, 3712]
1856	[3137, 3138]	4311	[5948, 5949]	6766	[7975, 2537]	9221	[4140, 3827]
1857	[3139, 114]	4312	[5950, 5019]	6767	[7976, 7977]	9222	[6577, 6875]
1858	[3140, 992]	4313	[5919, 2135]	6768	[5443, 4893]	9223	[9433, 9434]
1859	[3141, 2940]	4314	[5951, 5952]	6769	[7978, 5263]	9224	[6349, 1325]
1860	[3142, 3032]	4315	[796, 5953]	6770	[2211, 7575]	9225	[9435, 9436]
1861	[3143, 2982]	4316	[1823, 5954]	6771	[5800, 7979]	9226	[9437, 7477]
1862	[3144, 3145]	4317	[5955, 4658]	6772	[1884, 7980]	9227	[1668, 1048]
1863	[3146, 3147]	4318	[5345, 5905]	6773	[5165, 7882]	9228	[402, 1099]
1864	[1395, 414]	4319	[5956, 5957]	6774	[4842, 4677]	9229	[6792, 3560]
1865	[3148, 3149]	4320	[5958, 4485]	6775	[7981, 7982]	9230	[332, 3696]
1866	[3150, 1258]	4321	[1968, 4969]	6776	[4655, 7787]	9231	[9438, 3788]
1867	[3151, 3058]	4322	[5959, 5960]	6777	[2884, 7532]	9232	[6535, 8776]
1868	[3152, 3153]	4323	[4926, 5961]	6778	[1941, 5125]	9233	[9439, 3615]
1869	[3154, 1199]	4324	[5962, 5963]	6779	[7983, 7984]	9234	[2969, 7017]
1870	[3155, 3156]	4325	[5964, 1980]	6780	[216, 7985]	9235	[9440, 7354]
1871	[3157, 3158]	4326	[2382, 2028]	6781	[7986, 7987]	9236	[1006, 8689]
1872	[3159, 459]	4327	[2392, 5340]	6782	[7988, 5058]	9237	[73, 9441]
1873	[3160, 2935]	4328	[2415, 5965]	6783	[7513, 885]	9238	[1410, 7110]
1874	[3161, 3162]	4329	[2537, 5966]	6784	[5116, 4966]	9239	[9442, 6901]
1875	[3163, 1285]	4330	[5967, 5358]	6785	[2384, 5518]	9240	[9443, 7379]
1876	[3164, 3165]	4331	[5155, 5944]	6786	[7989, 7990]	9241	[9444, 7340]
1877	[3166, 3167]	4332	[5968, 2169]	6787	[5571, 7991]	9242	[6843, 8446]
1878	[1636, 3168]	4333	[562, 4993]	6788	[5164, 186]	9243	[9445, 9446]
1879	[3169, 1508]	4334	[5969, 515]	6789	[7992, 1839]	9244	[9447, 7338]
1880	[3170, 3171]	4335	[806, 5550]	6790	[7993, 2635]	9245	[6326, 393]
1881	[3172, 3173]	4336	[5970, 5971]	6791	[2308, 5240]	9246	[978, 4085]
1882	[3174, 3175]	4337	[5972, 5973]	6792	[5201, 5868]	9247	[9448, 8787]
1883	[281, 3176]	4338	[5974, 2141]	6793	[7994, 649]	9248	[9449, 7324]
1884	[3177, 3178]	4339	[5888, 5975]	6794	[5246, 1715]	9249	[1474, 1465]
1885	[3179, 3180]	4340	[5976, 5756]	6795	[7995, 2164]	9250	[4065, 3278]
1886	[3181, 3182]	4341	[5977, 1886]	6796	[4878, 4580]	9251	[1234, 7385]
1887	[995, 3183]	4342	[2598, 2102]	6797	[7996, 5293]	9252	[9450, 8777]
1888	[3184, 1656]	4343	[5978, 5308]	6798	[7997, 5591]	9253	[4133, 1294]
1889	[3185, 3186]	4344	[877, 706]	6799	[5548, 7605]	9254	[9451, 9381]
1890	[342, 3187]	4345	[1723, 5979]	6800	[7998, 7999]	9255	[8762, 9452]
1891	[3188, 3189]	4346	[5430, 2445]	6801	[4578, 8000]	9256	[3537, 3698]
1892	[3190, 3191]	4347	[5980, 5981]	6802	[8001, 6059]	9257	[8979, 9453]
1893	[3192, 394]	4348	[5982, 5538]	6803	[8002, 521]	9258	[9454, 6367]
1894	[3193, 3194]	4349	[5983, 4823]	6804	[786, 2062]	9259	[3693, 9455]

1895	[3195, 3196]	4350	[5984, 2422]	6805	[8003, 5936]	9260	[7103, 9456]
1896	[3197, 1050]	4351	[48, 5985]	6806	[833, 8004]	9261	[3976, 4101]
1897	[3145, 3198]	4352	[5986, 2744]	6807	[906, 8005]	9262	[6547, 8511]
1898	[3033, 3199]	4353	[5987, 4885]	6808	[8006, 5350]	9263	[8597, 6409]
1899	[3200, 3201]	4354	[4555, 513]	6809	[4886, 5833]	9264	[6572, 1548]
1900	[1330, 3202]	4355	[5988, 5989]	6810	[8007, 7964]	9265	[6325, 9457]
1901	[3203, 3204]	4356	[5990, 5271]	6811	[8008, 2503]	9266	[3966, 6560]
1902	[3205, 3206]	4357	[5991, 5806]	6812	[5944, 5740]	9267	[1622, 6553]
1903	[3207, 3208]	4358	[5992, 4596]	6813	[2286, 2869]	9268	[9458, 9459]
1904	[3209, 3210]	4359	[5993, 1974]	6814	[8009, 5358]	9269	[8818, 6156]
1905	[3211, 3212]	4360	[5994, 5995]	6815	[4522, 8010]	9270	[9460, 6969]
1906	[3213, 3214]	4361	[5996, 5997]	6816	[8011, 5378]	9271	[9359, 9461]
1907	[3215, 3216]	4362	[5003, 4881]	6817	[8012, 2164]	9272	[4302, 9462]
1908	[3217, 2964]	4363	[5998, 5999]	6818	[7628, 7951]	9273	[8957, 9463]
1909	[1367, 104]	4364	[6000, 6001]	6819	[8013, 8014]	9274	[9464, 9465]
1910	[3218, 3219]	4365	[2476, 5633]	6820	[7911, 4924]	9275	[9466, 1444]
1911	[3220, 1030]	4366	[6002, 6003]	6821	[8015, 8016]	9276	[6434, 9467]
1912	[3221, 3222]	4367	[6004, 6005]	6822	[8017, 8018]	9277	[6986, 277]
1913	[3223, 1505]	4368	[5127, 6006]	6823	[8019, 7487]	9278	[3415, 3377]
1914	[3224, 3017]	4369	[5249, 134]	6824	[4502, 1902]	9279	[9468, 9469]
1915	[3225, 3226]	4370	[5397, 6007]	6825	[8020, 8021]	9280	[3391, 8625]
1916	[3227, 3228]	4371	[4704, 4625]	6826	[8022, 7928]	9281	[7030, 3129]
1917	[3229, 3230]	4372	[6008, 6009]	6827	[8023, 5735]	9282	[9470, 7132]
1918	[2986, 3231]	4373	[6010, 6011]	6828	[8024, 2016]	9283	[3178, 6446]
1919	[3232, 1308]	4374	[6012, 5897]	6829	[832, 8025]	9284	[9471, 7156]
1920	[3233, 3234]	4375	[6013, 5812]	6830	[8026, 8027]	9285	[6886, 9472]
1921	[3235, 3236]	4376	[793, 6014]	6831	[7910, 8028]	9286	[9473, 269]
1922	[1080, 3237]	4377	[2770, 6015]	6832	[8029, 5826]	9287	[1161, 9474]
1923	[2925, 986]	4378	[612, 5641]	6833	[8030, 536]	9288	[9475, 3498]
1924	[3238, 3239]	4379	[6016, 6017]	6834	[8031, 5690]	9289	[9476, 1561]
1925	[3240, 1431]	4380	[6018, 5690]	6835	[4792, 2320]	9290	[1447, 4]
1926	[3241, 3242]	4381	[1977, 6019]	6836	[1922, 5579]	9291	[9477, 9478]
1927	[3243, 1434]	4382	[4769, 5094]	6837	[8032, 5856]	9292	[3905, 9479]
1928	[3244, 1497]	4383	[6020, 5396]	6838	[8033, 2830]	9293	[9480, 9481]
1929	[3245, 369]	4384	[6021, 2093]	6839	[5239, 2309]	9294	[9482, 3643]
1930	[3246, 3247]	4385	[5970, 1899]	6840	[1839, 4944]	9295	[9483, 9484]
1931	[3248, 3249]	4386	[4882, 5892]	6841	[8034, 7528]	9296	[8924, 7292]
1932	[3250, 954]	4387	[4863, 6022]	6842	[5601, 1954]	9297	[8513, 9485]
1933	[3251, 3252]	4388	[1843, 6023]	6843	[7871, 665]	9298	[9486, 6195]
1934	[3253, 3254]	4389	[6024, 6025]	6844	[8035, 5584]	9299	[8623, 6592]
1935	[3255, 3256]	4390	[6026, 6027]	6845	[8036, 8037]	9300	[6479, 6318]
1936	[3257, 3258]	4391	[6028, 5348]	6846	[8038, 1738]	9301	[8877, 987]
1937	[1686, 3259]	4392	[5906, 694]	6847	[7779, 7809]	9302	[8861, 1385]
1938	[1575, 3260]	4393	[2411, 610]	6848	[8039, 2248]	9303	[1092, 6227]

1939	[1142, 1550]	4394	[6029, 2438]	6849	[2046, 907]	9304	[8440, 4165]
1940	[3261, 3262]	4395	[6030, 5702]	6850	[8040, 5582]	9305	[4066, 6144]
1941	[3263, 3264]	4396	[4796, 5933]	6851	[7623, 484]	9306	[3782, 1252]
1942	[3265, 3266]	4397	[6031, 4879]	6852	[8041, 2793]	9307	[9487, 9488]
1943	[3267, 3268]	4398	[6032, 1842]	6853	[8042, 5731]	9308	[6335, 6884]
1944	[3269, 3270]	4399	[5755, 6033]	6854	[7543, 1746]	9309	[9489, 9490]
1945	[3271, 3272]	4400	[6034, 2281]	6855	[1742, 2587]	9310	[9491, 3428]
1946	[3273, 110]	4401	[4513, 6035]	6856	[8043, 7832]	9311	[7438, 1372]
1947	[3274, 3275]	4402	[6036, 859]	6857	[8044, 4737]	9312	[9492, 1267]
1948	[373, 996]	4403	[547, 5501]	6858	[8045, 4958]	9313	[9493, 6734]
1949	[3276, 3277]	4404	[6037, 234]	6859	[7776, 5975]	9314	[9494, 3485]
1950	[3278, 3279]	4405	[2611, 4729]	6860	[4844, 7640]	9315	[4227, 9495]
1951	[3280, 3281]	4406	[4688, 2101]	6861	[8046, 5244]	9316	[353, 9496]
1952	[3282, 1611]	4407	[6038, 5452]	6862	[5038, 561]	9317	[9497, 9498]
1953	[3283, 3284]	4408	[6039, 5884]	6863	[5679, 711]	9318	[7126, 2976]
1954	[1639, 3285]	4409	[6040, 644]	6864	[5072, 5169]	9319	[9499, 8553]
1955	[3286, 3287]	4410	[2581, 5382]	6865	[8047, 5764]	9320	[6439, 3825]
1956	[3226, 2887]	4411	[6041, 2751]	6866	[1877, 5572]	9321	[9011, 9500]
1957	[1340, 3160]	4412	[6042, 6043]	6867	[5971, 8048]	9322	[4047, 6912]
1958	[3288, 3289]	4413	[6044, 6045]	6868	[8049, 8050]	9323	[3748, 9501]
1959	[3290, 3291]	4414	[6046, 6047]	6869	[7896, 4889]	9324	[1198, 9502]
1960	[3292, 3293]	4415	[6048, 2365]	6870	[8051, 8052]	9325	[9503, 9504]
1961	[3294, 1083]	4416	[6049, 6050]	6871	[7993, 4472]	9326	[8661, 9505]
1962	[3179, 3295]	4417	[6051, 6052]	6872	[51, 5194]	9327	[9506, 9465]
1963	[3296, 3297]	4418	[6053, 2524]	6873	[8053, 4832]	9328	[1212, 1311]
1964	[3298, 3299]	4419	[6054, 1770]	6874	[5008, 5344]	9329	[9507, 4109]
1965	[3300, 3301]	4420	[6055, 6056]	6875	[149, 637]	9330	[9508, 1251]
1966	[3302, 3303]	4421	[2518, 6057]	6876	[4962, 7758]	9331	[8321, 2543]
1967	[3232, 1383]	4422	[5567, 5482]	6877	[5179, 193]	9332	[7528, 4992]
1968	[3304, 3305]	4423	[6058, 5000]	6878	[8054, 2841]	9333	[2189, 2400]
1969	[3306, 2979]	4424	[6059, 6060]	6879	[7799, 1875]	9334	[9509, 735]
1970	[3307, 2981]	4425	[5033, 6061]	6880	[5610, 5355]	9335	[5428, 4922]
1971	[3308, 66]	4426	[2392, 5193]	6881	[8055, 8056]	9336	[1948, 8061]
1972	[3309, 3230]	4427	[6062, 681]	6882	[8057, 8058]	9337	[9510, 9511]
1973	[3310, 3311]	4428	[4976, 2408]	6883	[8059, 2842]	9338	[7913, 2228]
1974	[3312, 3313]	4429	[6063, 6064]	6884	[14, 5599]	9339	[5533, 9512]
1975	[3146, 3314]	4430	[1782, 5918]	6885	[1804, 7899]	9340	[8247, 9081]
1976	[3315, 1350]	4431	[6065, 2829]	6886	[2845, 237]	9341	[6048, 5878]
1977	[3316, 3317]	4432	[5261, 6022]	6887	[8060, 2350]	9342	[2180, 9513]
1978	[3318, 3319]	4433	[143, 6066]	6888	[1912, 8061]	9343	[8169, 9514]
1979	[3320, 1163]	4434	[2749, 6067]	6889	[8062, 7713]	9344	[9515, 4852]
1980	[3321, 3322]	4435	[6068, 6069]	6890	[7558, 6066]	9345	[7811, 9516]
1981	[3323, 3324]	4436	[6070, 6071]	6891	[8063, 7571]	9346	[5186, 5457]
1982	[3325, 3326]	4437	[6072, 6073]	6892	[5744, 5768]	9347	[9517, 5835]

1983	[3217, 3161]	4438	[2164, 6074]	6893	[5637, 4881]	9348	[5506, 7993]
1984	[3327, 1415]	4439	[4833, 6075]	6894	[8064, 5509]	9349	[7980, 2840]
1985	[1202, 3328]	4440	[4835, 6076]	6895	[8065, 8066]	9350	[9024, 9225]
1986	[3329, 3330]	4441	[6077, 6078]	6896	[8067, 4716]	9351	[2215, 9518]
1987	[3331, 385]	4442	[5802, 185]	6897	[7678, 8068]	9352	[5638, 9519]
1988	[3332, 2897]	4443	[6079, 4985]	6898	[8069, 8070]	9353	[9520, 7808]
1989	[3333, 1526]	4444	[6080, 5695]	6899	[2501, 8071]	9354	[9521, 5478]
1990	[3334, 1093]	4445	[6081, 2315]	6900	[4758, 8072]	9355	[2484, 5471]
1991	[3335, 3336]	4446	[2611, 5810]	6901	[8073, 4760]	9356	[2034, 7702]
1992	[3337, 3338]	4447	[2820, 6082]	6902	[8074, 8075]	9357	[2172, 9522]
1993	[3339, 328]	4448	[5256, 5917]	6903	[8076, 8077]	9358	[9523, 9524]
1994	[3340, 3341]	4449	[6083, 6084]	6904	[4885, 2258]	9359	[1786, 4866]
1995	[2954, 3342]	4450	[2842, 1834]	6905	[5035, 5201]	9360	[9525, 9526]
1996	[1094, 3343]	4451	[6085, 892]	6906	[5642, 5330]	9361	[2862, 9527]
1997	[348, 3344]	4452	[1976, 6086]	6907	[674, 5596]	9362	[9528, 741]
1998	[3345, 3337]	4453	[1279, 3044]	6908	[2053, 8078]	9363	[9529, 7964]
1999	[1526, 1095]	4454	[26, 4260]	6909	[8079, 8080]	9364	[1764, 8374]
2000	[3346, 74]	4455	[407, 4293]	6910	[4591, 5960]	9365	[2194, 9530]
2001	[3347, 1091]	4456	[6087, 3130]	6911	[5623, 7857]	9366	[9531, 5506]
2002	[3348, 3334]	4457	[6088, 6089]	6912	[8081, 5241]	9367	[9532, 9149]
2003	[3349, 3350]	4458	[4197, 1167]	6913	[5927, 882]	9368	[9533, 9534]
2004	[296, 1541]	4459	[1309, 4254]	6914	[8082, 2589]	9369	[852, 4854]
2005	[3351, 3333]	4460	[1509, 6090]	6915	[4580, 842]	9370	[2310, 9535]
2006	[3336, 3352]	4461	[6091, 6092]	6916	[7492, 8083]	9371	[9536, 5692]
2007	[3353, 3354]	4462	[6093, 2952]	6917	[6075, 7690]	9372	[9537, 9538]
2008	[3355, 3158]	4463	[4231, 6094]	6918	[1953, 7867]	9373	[5274, 9539]
2009	[1488, 3356]	4464	[6095, 3646]	6919	[2183, 2507]	9374	[1971, 2162]
2010	[1418, 3357]	4465	[6096, 6097]	6920	[8084, 8085]	9375	[9540, 7660]
2011	[1054, 3358]	4466	[6098, 2967]	6921	[8086, 5089]	9376	[9541, 1798]
2012	[3359, 1301]	4467	[6099, 6100]	6922	[8087, 7670]	9377	[4498, 5392]
2013	[3360, 3361]	4468	[1051, 390]	6923	[8088, 8089]	9378	[2142, 46]
2014	[1618, 3362]	4469	[3721, 6101]	6924	[8090, 2564]	9379	[7902, 9542]
2015	[3271, 3363]	4470	[6102, 6103]	6925	[2650, 4695]	9380	[4472, 864]
2016	[3364, 433]	4471	[3671, 6104]	6926	[2609, 765]	9381	[5446, 9543]
2017	[3365, 1341]	4472	[1215, 379]	6927	[1721, 5405]	9382	[5630, 4723]
2018	[308, 3366]	4473	[3612, 6105]	6928	[2213, 5421]	9383	[5452, 4533]
2019	[3367, 3368]	4474	[6106, 6107]	6929	[204, 4933]	9384	[9544, 5490]
2020	[3158, 3369]	4475	[6108, 6109]	6930	[2841, 5098]	9385	[7727, 1866]
2021	[3370, 3371]	4476	[3678, 3657]	6931	[4938, 2747]	9386	[2561, 9545]
2022	[3372, 1583]	4477	[6110, 2944]	6932	[8091, 8092]	9387	[9546, 8367]
2023	[3373, 3374]	4478	[3584, 6111]	6933	[8093, 168]	9388	[2368, 5821]
2024	[3375, 3376]	4479	[6112, 6113]	6934	[7547, 8094]	9389	[9547, 9188]
2025	[3377, 3378]	4480	[6114, 6115]	6935	[8095, 8060]	9390	[9537, 5781]
2026	[1562, 3379]	4481	[6116, 295]	6936	[8096, 4787]	9391	[9548, 7738]

2027	[1138, 3380]	4482	[4154, 3554]	6937	[6049, 5289]	9392	[5576, 9549]
2028	[3381, 3382]	4483	[6117, 4424]	6938	[2797, 1918]	9393	[7884, 56]
2029	[3383, 3384]	4484	[4029, 1250]	6939	[1768, 2406]	9394	[9550, 9551]
2030	[3385, 1604]	4485	[6118, 6119]	6940	[1717, 5947]	9395	[5337, 2181]
2031	[1321, 3386]	4486	[4145, 452]	6941	[8097, 1914]	9396	[9552, 5048]
2032	[3387, 3388]	4487	[6120, 1348]	6942	[4500, 8098]	9397	[4947, 496]
2033	[3389, 3390]	4488	[979, 1128]	6943	[870, 5745]	9398	[9553, 8283]
2034	[3391, 1379]	4489	[6121, 3266]	6944	[8099, 8100]	9399	[9554, 7785]
2035	[3392, 3393]	4490	[6122, 303]	6945	[8101, 5359]	9400	[5602, 9555]
2036	[3394, 3395]	4491	[6123, 6124]	6946	[8102, 4922]	9401	[5512, 4606]
2037	[87, 3396]	4492	[6125, 6126]	6947	[8103, 543]	9402	[9556, 8244]
2038	[3397, 3398]	4493	[6127, 3618]	6948	[6046, 5957]	9403	[2256, 9557]
2039	[2934, 1042]	4494	[4384, 1156]	6949	[8104, 7823]	9404	[9558, 6064]
2040	[3399, 3400]	4495	[4304, 4208]	6950	[2795, 5922]	9405	[2830, 8293]
2041	[3401, 366]	4496	[1280, 410]	6951	[239, 603]	9406	[9559, 35]
2042	[3402, 341]	4497	[6128, 4174]	6952	[2247, 8105]	9407	[8234, 9560]
2043	[3403, 3404]	4498	[3184, 6129]	6953	[8106, 1749]	9408	[9561, 9281]
2044	[3405, 3406]	4499	[6130, 6131]	6954	[8107, 2260]	9409	[4724, 9562]
2045	[3407, 3408]	4500	[6132, 3228]	6955	[5396, 7650]	9410	[2452, 9563]
2046	[3409, 970]	4501	[4137, 1519]	6956	[8108, 203]	9411	[9564, 9565]
2047	[3410, 3015]	4502	[3700, 6133]	6957	[8109, 1726]	9412	[6075, 9566]
2048	[3411, 3412]	4503	[3357, 3251]	6958	[8110, 7990]	9413	[9567, 9568]
2049	[4, 3413]	4504	[6134, 3527]	6959	[8078, 8111]	9414	[520, 2344]
2050	[3414, 3415]	4505	[6135, 6136]	6960	[8112, 7987]	9415	[9569, 8056]
2051	[373, 3183]	4506	[6137, 3424]	6961	[8113, 2238]	9416	[9570, 8188]
2052	[3416, 320]	4507	[6138, 6139]	6962	[7503, 1946]	9417	[9083, 4539]
2053	[3417, 3418]	4508	[6140, 6141]	6963	[1816, 4680]	9418	[8198, 9571]
2054	[3419, 3420]	4509	[6142, 6143]	6964	[1959, 5720]	9419	[664, 4643]
2055	[1626, 3134]	4510	[6144, 6145]	6965	[2677, 7626]	9420	[9572, 9573]
2056	[3421, 3422]	4511	[6146, 6109]	6966	[8024, 4733]	9421	[7888, 1724]
2057	[3423, 3065]	4512	[6147, 3880]	6967	[4667, 8114]	9422	[7595, 9574]
2058	[3424, 3425]	4513	[6148, 4428]	6968	[561, 8115]	9423	[9575, 2449]
2059	[3426, 3427]	4514	[6149, 3229]	6969	[8033, 2200]	9424	[4702, 5114]
2060	[3428, 88]	4515	[458, 1134]	6970	[8116, 8117]	9425	[231, 2167]
2061	[3233, 3429]	4516	[6150, 3941]	6971	[8096, 2786]	9426	[676, 1993]
2062	[3430, 1447]	4517	[6151, 6152]	6972	[8118, 7903]	9427	[906, 7895]
2063	[1224, 3431]	4518	[6153, 6154]	6973	[5467, 8119]	9428	[9576, 5206]
2064	[3432, 3433]	4519	[1037, 3466]	6974	[4504, 7728]	9429	[9577, 9578]
2065	[3434, 3435]	4520	[27, 1492]	6975	[8120, 8121]	9430	[9579, 5668]
2066	[3436, 3437]	4521	[6155, 4377]	6976	[687, 8122]	9431	[9580, 7863]
2067	[3438, 3439]	4522	[4365, 24]	6977	[2096, 1752]	9432	[1776, 9581]
2068	[3440, 3441]	4523	[3626, 3620]	6978	[2567, 7596]	9433	[2118, 9582]
2069	[1651, 3397]	4524	[6156, 6157]	6979	[2840, 8123]	9434	[9583, 5964]
2070	[3442, 3443]	4525	[6158, 6159]	6980	[5505, 8124]	9435	[505, 2446]

2071	[3444, 3445]	4526	[1298, 4412]	6981	[8125, 7759]	9436	[1752, 7890]
2072	[3446, 3447]	4527	[1079, 3120]	6982	[1920, 5220]	9437	[6072, 9584]
2073	[457, 1133]	4528	[6160, 4250]	6983	[2772, 2620]	9438	[9554, 4837]
2074	[3448, 3449]	4529	[25, 4259]	6984	[1903, 8126]	9439	[9158, 4688]
2075	[3450, 3451]	4530	[6161, 6162]	6985	[1729, 8127]	9440	[2518, 4876]
2076	[1334, 3452]	4531	[1073, 6163]	6986	[8128, 4560]	9441	[9585, 9586]
2077	[3453, 3454]	4532	[3716, 116]	6987	[192, 2361]	9442	[9587, 5203]
2078	[3455, 3456]	4533	[6164, 6165]	6988	[8129, 4997]	9443	[5346, 9588]
2079	[447, 3457]	4534	[6166, 6167]	6989	[1990, 1988]	9444	[5216, 4501]
2080	[1370, 3458]	4535	[3250, 3104]	6990	[8130, 5242]	9445	[556, 9589]
2081	[3459, 3460]	4536	[6168, 6169]	6991	[8131, 6052]	9446	[9590, 6004]
2082	[3461, 3462]	4537	[943, 6170]	6992	[4923, 5985]	9447	[2656, 5722]
2083	[3463, 1142]	4538	[3432, 4276]	6993	[5681, 784]	9448	[5303, 5699]
2084	[405, 3464]	4539	[1468, 6171]	6994	[8132, 8133]	9449	[8403, 9591]
2085	[3465, 3466]	4540	[3303, 3159]	6995	[2465, 660]	9450	[8273, 5857]
2086	[3467, 3468]	4541	[1039, 6105]	6996	[5920, 8134]	9451	[5696, 9592]
2087	[3469, 979]	4542	[3320, 1485]	6997	[7826, 8135]	9452	[9593, 8244]
2088	[3470, 3416]	4543	[6172, 4424]	6998	[7510, 544]	9453	[9594, 5951]
2089	[3471, 3472]	4544	[6173, 6174]	6999	[5955, 2791]	9454	[7569, 5866]
2090	[3473, 3474]	4545	[2985, 6175]	7000	[8136, 8137]	9455	[9595, 9284]
2091	[443, 3474]	4546	[6176, 6177]	7001	[5401, 5913]	9456	[9596, 1927]
2092	[445, 1471]	4547	[1659, 6178]	7002	[739, 7801]	9457	[8000, 9597]
2093	[3475, 3476]	4548	[4428, 1658]	7003	[791, 2600]	9458	[5724, 2610]
2094	[3477, 3478]	4549	[1204, 1193]	7004	[5728, 40]	9459	[9598, 1776]
2095	[3479, 3480]	4550	[6179, 6180]	7005	[8138, 7732]	9460	[9599, 9600]
2096	[3481, 3482]	4551	[6181, 6182]	7006	[8139, 2086]	9461	[9601, 9602]
2097	[3483, 1259]	4552	[6183, 120]	7007	[7713, 8140]	9462	[54, 9603]
2098	[3484, 3485]	4553	[344, 6184]	7008	[5833, 5245]	9463	[9604, 9191]
2099	[1486, 3486]	4554	[3610, 6185]	7009	[2243, 8141]	9464	[9206, 9605]
2100	[3487, 979]	4555	[4026, 6186]	7010	[1790, 4761]	9465	[7548, 7959]
2101	[3488, 1570]	4556	[6187, 3043]	7011	[8142, 7730]	9466	[7791, 2305]
2102	[3489, 3490]	4557	[6188, 384]	7012	[8143, 1845]	9467	[9606, 2284]
2103	[3491, 3492]	4558	[1327, 997]	7013	[7662, 4550]	9468	[8023, 2431]
2104	[3493, 3494]	4559	[6189, 3206]	7014	[7851, 2858]	9469	[9607, 5844]
2105	[3495, 1015]	4560	[6190, 4149]	7015	[8144, 4865]	9470	[8131, 9608]
2106	[3164, 1334]	4561	[6191, 6192]	7016	[8145, 2487]	9471	[9609, 8028]
2107	[3433, 3496]	4562	[6193, 6194]	7017	[8146, 5542]	9472	[9610, 8336]
2108	[3497, 1163]	4563	[6195, 3462]	7018	[2727, 2490]	9473	[9609, 2412]
2109	[3498, 3437]	4564	[6196, 1674]	7019	[4807, 5118]	9474	[9611, 2115]
2110	[3499, 3500]	4565	[3031, 6197]	7020	[8147, 7729]	9475	[896, 5107]
2111	[1684, 3501]	4566	[4402, 6120]	7021	[8148, 2407]	9476	[5138, 2390]
2112	[3502, 3503]	4567	[6198, 1491]	7022	[8149, 820]	9477	[9044, 8394]
2113	[3292, 3504]	4568	[4023, 1343]	7023	[8150, 8151]	9478	[9612, 2681]
2114	[3505, 409]	4569	[6199, 1237]	7024	[7833, 5708]	9479	[9613, 9614]

2115	[3506, 2919]	4570	[6200, 926]	7025	[879, 8152]	9480	[5646, 874]
2116	[3507, 3508]	4571	[3407, 6201]	7026	[8153, 8154]	9481	[9615, 7565]
2117	[1571, 1585]	4572	[6202, 1632]	7027	[2410, 221]	9482	[2853, 9616]
2118	[3509, 3510]	4573	[6203, 3731]	7028	[8155, 4895]	9483	[7916, 5817]
2119	[3511, 3512]	4574	[6204, 4352]	7029	[4901, 5577]	9484	[9617, 2350]
2120	[3513, 3514]	4575	[1533, 28]	7030	[2198, 2239]	9485	[9618, 9573]
2121	[3515, 441]	4576	[6205, 308]	7031	[8039, 8105]	9486	[8008, 9619]
2122	[3516, 348]	4577	[3544, 6206]	7032	[5388, 2468]	9487	[5305, 7665]
2123	[1541, 2954]	4578	[6207, 1549]	7033	[7908, 5858]	9488	[9620, 9586]
2124	[3517, 3518]	4579	[944, 4277]	7034	[4490, 5043]	9489	[4888, 7897]
2125	[1494, 3519]	4580	[6208, 948]	7035	[7660, 5103]	9490	[9621, 9330]
2126	[3520, 449]	4581	[6209, 6210]	7036	[8156, 8157]	9491	[5838, 7942]
2127	[1368, 2889]	4582	[6211, 6212]	7037	[8158, 8159]	9492	[9171, 2509]
2128	[3132, 3521]	4583	[6213, 1638]	7038	[5562, 5322]	9493	[7996, 9622]
2129	[3522, 3523]	4584	[4067, 6145]	7039	[7702, 726]	9494	[5649, 9623]
2130	[3326, 3445]	4585	[6214, 6215]	7040	[2628, 732]	9495	[2087, 9624]
2131	[3524, 3525]	4586	[6216, 3762]	7041	[7823, 8160]	9496	[9625, 7506]
2132	[3526, 1035]	4587	[6217, 6218]	7042	[8161, 5883]	9497	[5036, 9626]
2133	[3527, 3528]	4588	[6219, 6220]	7043	[1780, 8162]	9498	[7815, 9548]
2134	[3353, 3529]	4589	[6221, 292]	7044	[8163, 8164]	9499	[4604, 4779]
2135	[3428, 3396]	4590	[3044, 410]	7045	[5803, 2845]	9500	[9627, 7863]
2136	[3530, 3531]	4591	[1479, 4419]	7046	[8165, 8166]	9501	[9628, 7622]
2137	[3532, 3186]	4592	[3919, 4204]	7047	[5993, 8167]	9502	[9629, 9630]
2138	[1358, 3533]	4593	[6222, 4100]	7048	[8168, 5972]	9503	[5668, 9631]
2139	[3534, 3535]	4594	[2903, 6223]	7049	[8169, 7736]	9504	[9632, 5590]
2140	[1528, 3536]	4595	[6224, 1578]	7050	[8170, 5782]	9505	[9633, 9253]
2141	[3537, 93]	4596	[6225, 1370]	7051	[544, 4734]	9506	[9023, 9306]
2142	[289, 3538]	4597	[1024, 4380]	7052	[2605, 717]	9507	[2138, 5929]
2143	[3539, 3540]	4598	[1026, 6226]	7053	[7666, 8171]	9508	[4711, 5776]
2144	[3541, 3542]	4599	[3658, 6227]	7054	[8172, 5623]	9509	[3603, 3674]
2145	[3543, 3544]	4600	[6228, 3853]	7055	[5105, 4576]	9510	[7063, 3394]
2146	[3545, 3546]	4601	[6229, 3624]	7056	[8173, 8174]	9511	[9634, 9635]
2147	[3547, 3548]	4602	[1670, 6230]	7057	[1863, 4764]	9512	[9636, 9637]
2148	[2907, 3549]	4603	[6231, 4096]	7058	[5952, 5795]	9513	[7456, 2978]
2149	[3550, 1516]	4604	[6232, 4148]	7059	[8175, 2498]	9514	[9638, 4057]
2150	[3551, 3552]	4605	[6233, 3773]	7060	[8176, 8177]	9515	[1591, 9639]
2151	[3156, 2991]	4606	[960, 370]	7061	[8178, 7886]	9516	[9640, 7172]
2152	[3553, 3554]	4607	[3570, 4042]	7062	[1973, 8167]	9517	[6929, 7303]
2153	[3555, 1484]	4608	[4163, 1292]	7063	[5813, 7939]	9518	[9641, 6394]
2154	[3556, 967]	4609	[6234, 3333]	7064	[8179, 8180]	9519	[6184, 7275]
2155	[3557, 3558]	4610	[4075, 4431]	7065	[8181, 8182]	9520	[2940, 6500]
2156	[3559, 3560]	4611	[3746, 6235]	7066	[813, 8183]	9521	[8534, 9642]
2157	[3561, 3562]	4612	[6236, 1087]	7067	[4481, 8184]	9522	[9643, 9504]
2158	[3563, 1327]	4613	[6237, 6238]	7068	[737, 851]	9523	[1273, 9644]

2159	[116, 3564]	4614	[6239, 1141]	7069	[5909, 2538]	9524	[9645, 9646]
2160	[3565, 3566]	4615	[6240, 398]	7070	[8185, 126]	9525	[2961, 9647]
2161	[437, 1117]	4616	[6241, 3918]	7071	[7711, 7848]	9526	[7253, 3875]
2162	[3567, 3426]	4617	[6242, 444]	7072	[8186, 2256]	9527	[9648, 8557]
2163	[3568, 378]	4618	[6243, 6244]	7073	[2726, 1715]	9528	[951, 9649]
2164	[3569, 3570]	4619	[6245, 6246]	7074	[8187, 8188]	9529	[412, 7085]
2165	[3571, 2997]	4620	[6247, 6248]	7075	[11, 2572]	9530	[9650, 9346]
2166	[3572, 3573]	4621	[6249, 3297]	7076	[8189, 6060]	9531	[9651, 6382]
2167	[3574, 3575]	4622	[3301, 4192]	7077	[2849, 5885]	9532	[944, 3399]
2168	[3576, 3172]	4623	[3865, 6250]	7078	[8190, 7974]	9533	[8874, 4441]
2169	[3577, 952]	4624	[6251, 1699]	7079	[8170, 8115]	9534	[9652, 6146]
2170	[3578, 3199]	4625	[353, 6252]	7080	[8191, 498]	9535	[9653, 7121]
2171	[3579, 3580]	4626	[6253, 6095]	7081	[4793, 4796]	9536	[1541, 4368]
2172	[3581, 3582]	4627	[6254, 6255]	7082	[8192, 2722]	9537	[3938, 7189]
2173	[3583, 3101]	4628	[6256, 4176]	7083	[814, 7542]	9538	[9654, 7154]
2174	[3584, 3585]	4629	[6257, 6258]	7084	[2823, 5171]	9539	[9655, 6354]
2175	[3586, 3378]	4630	[3323, 311]	7085	[720, 2126]	9540	[2186, 454]
2176	[3587, 3588]	4631	[4216, 6259]	7086	[5326, 8193]	9541	[17, 3049]
2177	[3589, 3590]	4632	[6260, 6261]	7087	[8194, 7506]	9542	[9656, 7453]
2178	[1294, 3591]	4633	[3399, 3565]	7088	[5418, 5229]	9543	[8463, 6094]
2179	[3592, 2981]	4634	[269, 1362]	7089	[5848, 2474]	9544	[9657, 6284]
2180	[3593, 1354]	4635	[6262, 6263]	7090	[7734, 2479]	9545	[266, 7264]
2181	[3594, 460]	4636	[3852, 6264]	7091	[8075, 562]	9546	[6202, 6937]
2182	[3595, 295]	4637	[6265, 6266]	7092	[8195, 845]	9547	[8791, 9658]
2183	[1100, 3596]	4638	[6267, 3840]	7093	[8196, 8197]	9548	[1634, 6283]
2184	[3597, 1423]	4639	[3400, 6268]	7094	[8198, 7869]	9549	[9659, 9660]
2185	[3598, 3599]	4640	[6269, 6238]	7095	[8199, 4898]	9550	[999, 9661]
2186	[2186, 2186]	4641	[6270, 283]	7096	[5477, 1940]	9551	[9662, 9663]
2187	[3600, 1191]	4642	[3705, 1016]	7097	[1958, 8200]	9552	[9664, 1673]
2188	[3601, 3602]	4643	[1542, 1497]	7098	[8054, 795]	9553	[4450, 8642]
2189	[3603, 3604]	4644	[6271, 4042]	7099	[2522, 2769]	9554	[7288, 3808]
2190	[3605, 3606]	4645	[4407, 3919]	7100	[8201, 4666]	9555	[9665, 4275]
2191	[3526, 3607]	4646	[6272, 6273]	7101	[7486, 7891]	9556	[4280, 6931]
2192	[3608, 3609]	4647	[6274, 4007]	7102	[5319, 6009]	9557	[9666, 309]
2193	[3610, 3611]	4648	[6154, 6263]	7103	[5745, 5300]	9558	[6114, 9667]
2194	[1178, 3612]	4649	[6275, 6276]	7104	[4711, 5441]	9559	[3334, 2946]
2195	[3613, 361]	4650	[6277, 6278]	7105	[4603, 8202]	9560	[9668, 1155]
2196	[3614, 3472]	4651	[1124, 4146]	7106	[2135, 5326]	9561	[8580, 9669]
2197	[3615, 3071]	4652	[6279, 1592]	7107	[227, 2008]	9562	[9670, 4001]
2198	[3616, 3617]	4653	[6280, 6281]	7108	[8203, 8204]	9563	[9671, 9637]
2199	[3618, 1103]	4654	[6282, 6283]	7109	[724, 815]	9564	[7032, 9672]
2200	[3619, 3310]	4655	[6284, 1323]	7110	[8205, 8206]	9565	[9673, 9674]
2201	[3620, 2904]	4656	[6285, 6286]	7111	[8207, 8208]	9566	[9675, 3515]
2202	[3621, 3622]	4657	[6287, 2970]	7112	[8209, 7830]	9567	[9676, 7158]

2203	[3623, 3624]	4658	[6288, 6289]	7113	[8210, 8211]	9568	[9677, 9678]
2204	[3625, 3626]	4659	[6290, 259]	7114	[8212, 703]	9569	[3587, 7318]
2205	[3627, 3322]	4660	[3913, 4375]	7115	[8213, 8214]	9570	[8489, 1692]
2206	[3628, 3055]	4661	[6291, 4386]	7116	[795, 5098]	9571	[9419, 7215]
2207	[3629, 3216]	4662	[6292, 3476]	7117	[8215, 2310]	9572	[3028, 9679]
2208	[3630, 3631]	4663	[6293, 6294]	7118	[2446, 8216]	9573	[9680, 9681]
2209	[3632, 3633]	4664	[6295, 302]	7119	[8217, 7718]	9574	[964, 7229]
2210	[3634, 3635]	4665	[6296, 6297]	7120	[8218, 8219]	9575	[3549, 3952]
2211	[3636, 3637]	4666	[6298, 76]	7121	[8220, 5865]	9576	[7263, 9682]
2212	[3638, 3639]	4667	[6299, 6300]	7122	[5383, 4675]	9577	[3085, 9683]
2213	[1630, 3640]	4668	[6301, 3750]	7123	[7769, 163]	9578	[9684, 3306]
2214	[3641, 396]	4669	[347, 6302]	7124	[8221, 8185]	9579	[394, 7179]
2215	[3642, 1512]	4670	[6303, 3274]	7125	[5678, 5041]	9580	[3476, 9685]
2216	[3643, 3644]	4671	[6304, 4364]	7126	[2782, 5040]	9581	[9686, 7424]
2217	[3645, 3646]	4672	[6305, 1151]	7127	[7574, 2212]	9582	[9687, 8557]
2218	[3647, 3648]	4673	[4027, 3330]	7128	[2767, 8222]	9583	[7315, 9484]
2219	[3649, 3650]	4674	[6306, 6307]	7129	[56, 5954]	9584	[1557, 262]
2220	[3651, 3147]	4675	[6308, 6309]	7130	[5784, 4619]	9585	[6648, 9688]
2221	[3652, 3653]	4676	[6310, 3761]	7131	[2478, 709]	9586	[9689, 9690]
2222	[3654, 93]	4677	[1067, 1263]	7132	[4848, 8223]	9587	[3332, 6418]
2223	[3553, 3655]	4678	[6102, 6311]	7133	[5766, 508]	9588	[4367, 8608]
2224	[3656, 1162]	4679	[6312, 4355]	7134	[7483, 5093]	9589	[9691, 9434]
2225	[3657, 3658]	4680	[6313, 6314]	7135	[7597, 2094]	9590	[9466, 7415]
2226	[3659, 3360]	4681	[6315, 6316]	7136	[5763, 5522]	9591	[7354, 3223]
2227	[3660, 1137]	4682	[3244, 1543]	7137	[8224, 8225]	9592	[9692, 4178]
2228	[3661, 971]	4683	[6317, 6300]	7138	[5735, 8226]	9593	[6878, 9693]
2229	[1378, 3662]	4684	[3755, 3862]	7139	[7806, 2543]	9594	[9694, 9695]
2230	[3663, 3664]	4685	[6318, 3226]	7140	[2407, 2705]	9595	[9696, 9697]
2231	[3665, 3666]	4686	[3641, 6319]	7141	[1935, 8227]	9596	[9698, 1432]
2232	[3667, 112]	4687	[6320, 2957]	7142	[8228, 2220]	9597	[1549, 1336]
2233	[3668, 3669]	4688	[6321, 4029]	7143	[8229, 8214]	9598	[8794, 9699]
2234	[3670, 3671]	4689	[6322, 6323]	7144	[6057, 5958]	9599	[3340, 3274]
2235	[3672, 1020]	4690	[6324, 6325]	7145	[8230, 2171]	9600	[6090, 7146]
2236	[3673, 3674]	4691	[6326, 3192]	7146	[2627, 8231]	9601	[6312, 9700]
2237	[3675, 3676]	4692	[3766, 1587]	7147	[6021, 7597]	9602	[9701, 2963]
2238	[3677, 3270]	4693	[6327, 6328]	7148	[8232, 8233]	9603	[1383, 1309]
2239	[3678, 1091]	4694	[6329, 6330]	7149	[8234, 2667]	9604	[8609, 1567]
2240	[381, 3679]	4695	[4177, 6331]	7150	[1856, 5553]	9605	[9702, 9401]
2241	[2978, 1629]	4696	[6332, 6333]	7151	[8235, 7934]	9606	[6608, 3734]
2242	[3463, 1181]	4697	[6334, 3786]	7152	[5879, 7521]	9607	[6100, 8570]
2243	[3680, 445]	4698	[1447, 3113]	7153	[2572, 8236]	9608	[1082, 6858]
2244	[3681, 3682]	4699	[3055, 1593]	7154	[8237, 37]	9609	[1666, 3901]
2245	[3255, 479]	4700	[6, 6335]	7155	[8238, 5863]	9610	[8719, 4246]
2246	[3683, 2905]	4701	[1192, 1205]	7156	[5449, 645]	9611	[9641, 9703]

2247	[3001, 3684]	4702	[4303, 3219]	7157	[8028, 2413]	9612	[9393, 9331]
2248	[3685, 305]	4703	[6336, 3368]	7158	[8239, 7666]	9613	[7468, 6385]
2249	[3686, 3687]	4704	[6337, 384]	7159	[8240, 5058]	9614	[9704, 9705]
2250	[3445, 3688]	4705	[6338, 386]	7160	[4720, 4573]	9615	[8881, 6805]
2251	[3689, 3690]	4706	[6181, 3350]	7161	[8241, 7698]	9616	[9706, 6979]
2252	[3691, 3692]	4707	[6339, 6340]	7162	[1924, 7568]	9617	[9707, 8555]
2253	[3693, 3694]	4708	[6341, 6342]	7163	[7540, 227]	9618	[6348, 8807]
2254	[3695, 1515]	4709	[3006, 6343]	7164	[2400, 8242]	9619	[7050, 90]
2255	[3696, 3372]	4710	[30, 6344]	7165	[8243, 7705]	9620	[1084, 7002]
2256	[3697, 3039]	4711	[67, 3153]	7166	[5833, 7813]	9621	[1311, 9708]
2257	[3698, 94]	4712	[3973, 6345]	7167	[8244, 8237]	9622	[9709, 4207]
2258	[1546, 3208]	4713	[6346, 6229]	7168	[8230, 5834]	9623	[9378, 7016]
2259	[3670, 1466]	4714	[1398, 3909]	7169	[7655, 48]	9624	[6695, 304]
2260	[3699, 3700]	4715	[6347, 4290]	7170	[5285, 2729]	9625	[9448, 8456]
2261	[3701, 3702]	4716	[6348, 6245]	7171	[223, 2160]	9626	[9710, 9498]
2262	[3703, 3704]	4717	[4024, 1344]	7172	[8245, 7504]	9627	[1071, 8694]
2263	[3495, 3705]	4718	[6349, 4297]	7173	[7873, 4637]	9628	[3896, 9711]
2264	[3706, 3707]	4719	[3119, 6350]	7174	[8246, 8247]	9629	[7385, 8904]
2265	[3708, 100]	4720	[6351, 6352]	7175	[8248, 7841]	9630	[9712, 9713]
2266	[3709, 3710]	4721	[4228, 6277]	7176	[2071, 8114]	9631	[9714, 9007]
2267	[3711, 77]	4722	[6353, 6354]	7177	[5656, 7700]	9632	[9382, 6537]
2268	[3712, 3713]	4723	[6355, 6281]	7178	[8249, 4564]	9633	[1406, 9715]
2269	[3714, 30]	4724	[341, 971]	7179	[8250, 4946]	9634	[9234, 822]
2270	[3715, 81]	4725	[6356, 6357]	7180	[8251, 8157]	9635	[9716, 1740]
2271	[3716, 3717]	4726	[6358, 6261]	7181	[8252, 8253]	9636	[9207, 9717]
2272	[3304, 3718]	4727	[6359, 1283]	7182	[7944, 8254]	9637	[2776, 2179]
2273	[3719, 3720]	4728	[6106, 326]	7183	[8255, 8256]	9638	[9718, 8389]
2274	[3721, 3722]	4729	[4126, 3994]	7184	[5578, 1784]	9639	[9719, 9720]
2275	[3096, 2990]	4730	[4146, 453]	7185	[7816, 8257]	9640	[4945, 7502]
2276	[3054, 3723]	4731	[6360, 6361]	7186	[8258, 8259]	9641	[4968, 2258]
2277	[3724, 18]	4732	[6362, 6363]	7187	[5407, 2542]	9642	[9721, 9310]
2278	[3725, 3726]	4733	[6364, 3899]	7188	[8260, 8261]	9643	[4735, 9045]
2279	[3283, 3727]	4734	[6365, 6366]	7189	[8262, 5517]	9644	[9722, 5900]
2280	[3728, 413]	4735	[3308, 3968]	7190	[7949, 2806]	9645	[9311, 5609]
2281	[1242, 984]	4736	[6367, 6368]	7191	[4731, 552]	9646	[9723, 2116]
2282	[3729, 377]	4737	[6369, 6115]	7192	[2692, 4510]	9647	[9724, 9568]
2283	[3730, 3731]	4738	[6370, 6371]	7193	[7544, 2436]	9648	[5298, 9725]
2284	[3732, 3733]	4739	[6297, 3746]	7194	[7698, 8263]	9649	[9726, 9534]
2285	[3734, 3735]	4740	[6372, 6373]	7195	[8264, 7586]	9650	[5887, 9727]
2286	[2946, 1094]	4741	[6374, 6375]	7196	[2582, 8265]	9651	[4903, 2746]
2287	[3286, 363]	4742	[1180, 6376]	7197	[2862, 8159]	9652	[5438, 5333]
2288	[3458, 3198]	4743	[6377, 1553]	7198	[1987, 5038]	9653	[4682, 7673]
2289	[3736, 3737]	4744	[3790, 3391]	7199	[5486, 7703]	9654	[9728, 2614]
2290	[3738, 3739]	4745	[3479, 3210]	7200	[8099, 4716]	9655	[9729, 2772]

2291	[3740, 3741]	4746	[3888, 4373]	7201	[8266, 673]	9656	[9730, 2596]
2292	[3742, 3743]	4747	[6378, 6379]	7202	[8267, 8268]	9657	[4782, 2576]
2293	[3744, 317]	4748	[6380, 3804]	7203	[8269, 8097]	9658	[9731, 9614]
2294	[3745, 3746]	4749	[6381, 1416]	7204	[4929, 8270]	9659	[8266, 5050]
2295	[3396, 3747]	4750	[6382, 1229]	7205	[8271, 7779]	9660	[9031, 9732]
2296	[3748, 3749]	4751	[6383, 6384]	7206	[4860, 215]	9661	[9733, 7977]
2297	[3750, 3751]	4752	[6385, 6386]	7207	[4666, 2144]	9662	[9196, 5120]
2298	[3752, 3753]	4753	[6387, 6388]	7208	[8272, 5287]	9663	[9734, 9147]
2299	[3754, 1173]	4754	[6389, 3710]	7209	[8273, 7908]	9664	[1919, 2695]
2300	[3755, 1314]	4755	[3409, 6390]	7210	[2335, 511]	9665	[7712, 13]
2301	[3756, 3757]	4756	[4292, 6100]	7211	[7552, 5586]	9666	[4453, 9735]
2302	[3758, 3666]	4757	[6107, 4177]	7212	[8274, 4834]	9667	[9736, 5030]
2303	[3759, 3760]	4758	[3400, 3566]	7213	[8256, 490]	9668	[2593, 4724]
2304	[3761, 3538]	4759	[3697, 6391]	7214	[1793, 8071]	9669	[9737, 9279]
2305	[3072, 3762]	4760	[1580, 1226]	7215	[8275, 8276]	9670	[4721, 9738]
2306	[3763, 3764]	4761	[6392, 82]	7216	[5940, 8277]	9671	[680, 9739]
2307	[1297, 3760]	4762	[6219, 6215]	7217	[8084, 7854]	9672	[9740, 9526]
2308	[3680, 1218]	4763	[6216, 3073]	7218	[4868, 213]	9673	[9238, 7967]
2309	[3765, 3766]	4764	[6393, 6394]	7219	[8278, 2363]	9674	[4698, 8351]
2310	[1428, 1171]	4765	[2957, 6395]	7220	[4494, 604]	9675	[5869, 848]
2311	[3767, 3768]	4766	[6396, 3964]	7221	[8011, 1784]	9676	[2260, 4690]
2312	[3769, 1087]	4767	[3010, 3685]	7222	[8279, 5248]	9677	[8069, 2866]
2313	[3770, 3771]	4768	[6397, 6398]	7223	[4960, 7979]	9678	[9741, 9198]
2314	[3772, 3773]	4769	[3431, 6399]	7224	[5044, 862]	9679	[9742, 9578]
2315	[3774, 3775]	4770	[6400, 3542]	7225	[5387, 207]	9680	[9051, 1717]
2316	[3776, 3552]	4771	[6401, 406]	7226	[5207, 5627]	9681	[5686, 4931]
2317	[3777, 3272]	4772	[6402, 6403]	7227	[8280, 4980]	9682	[9743, 7910]
2318	[3382, 3778]	4773	[23, 4350]	7228	[8281, 5217]	9683	[9744, 7622]
2319	[3779, 3013]	4774	[6404, 4401]	7229	[913, 2737]	9684	[8383, 4575]
2320	[416, 252]	4775	[3372, 6405]	7230	[8282, 8180]	9685	[9745, 9720]
2321	[3780, 3781]	4776	[3929, 3558]	7231	[7915, 624]	9686	[2421, 9746]
2322	[3782, 3783]	4777	[6406, 6407]	7232	[794, 2841]	9687	[1910, 8234]
2323	[3784, 3749]	4778	[1586, 4443]	7233	[8283, 8284]	9688	[9747, 9132]
2324	[3785, 3786]	4779	[6408, 6409]	7234	[8285, 5704]	9689	[4657, 5996]
2325	[3153, 3787]	4780	[1628, 6226]	7235	[8174, 5809]	9690	[9748, 497]
2326	[3788, 3789]	4781	[1414, 4318]	7236	[5166, 5112]	9691	[2517, 9194]
2327	[3790, 1604]	4782	[3207, 1139]	7237	[8286, 5705]	9692	[8261, 8128]
2328	[3791, 3792]	4783	[6410, 4000]	7238	[6077, 8287]	9693	[9749, 2449]
2329	[3098, 3793]	4784	[6411, 3027]	7239	[5727, 2538]	9694	[7900, 910]
2330	[3794, 3795]	4785	[6412, 6413]	7240	[8288, 1877]	9695	[9750, 9551]
2331	[3796, 463]	4786	[3306, 4344]	7241	[8289, 5275]	9696	[5561, 7753]
2332	[3329, 3797]	4787	[6414, 1297]	7242	[8290, 8291]	9697	[9751, 2115]
2333	[3798, 3799]	4788	[6415, 3684]	7243	[5986, 4952]	9698	[5064, 2524]
2334	[3800, 3801]	4789	[6416, 6417]	7244	[7843, 8292]	9699	[9752, 9630]

2335	[3486, 981]	4790	[2896, 6418]	7245	[8293, 5415]	9700	[9753, 5661]
2336	[3802, 1026]	4791	[6419, 3181]	7246	[2202, 2634]	9701	[8261, 4559]
2337	[3803, 3804]	4792	[6420, 1418]	7247	[5083, 5341]	9702	[8034, 5666]
2338	[3805, 108]	4793	[6421, 6171]	7248	[4839, 8117]	9703	[9754, 8013]
2339	[3806, 3778]	4794	[6422, 3449]	7249	[8294, 5212]	9704	[8245, 8066]
2340	[3807, 3808]	4795	[6423, 6424]	7250	[5105, 2545]	9705	[9208, 5872]
2341	[3809, 3810]	4796	[6425, 4078]	7251	[606, 8295]	9706	[5368, 9755]
2342	[1676, 3811]	4797	[6171, 1254]	7252	[8296, 8297]	9707	[5777, 5476]
2343	[3812, 3325]	4798	[1144, 2989]	7253	[8153, 2381]	9708	[9756, 9291]
2344	[3813, 3814]	4799	[6426, 6427]	7254	[8298, 8299]	9709	[9757, 7709]
2345	[3815, 1434]	4800	[3930, 6428]	7255	[8181, 6045]	9710	[8046, 6002]
2346	[3816, 1051]	4801	[6429, 6430]	7256	[2685, 7584]	9711	[9758, 8266]
2347	[1245, 3817]	4802	[330, 3358]	7257	[519, 2343]	9712	[12, 8236]
2348	[3818, 3262]	4803	[6431, 6342]	7258	[8300, 4724]	9713	[7674, 5395]
2349	[3819, 3592]	4804	[3657, 1092]	7259	[5145, 1706]	9714	[7994, 9759]
2350	[3650, 3486]	4805	[6432, 4132]	7260	[5854, 5097]	9715	[9760, 8050]
2351	[3820, 3821]	4806	[6433, 6434]	7261	[8301, 8151]	9716	[8598, 4233]
2352	[1078, 3822]	4807	[3557, 6435]	7262	[693, 8302]	9717	[9664, 6196]
2353	[3823, 1342]	4808	[6436, 405]	7263	[5629, 5219]	9718	[4191, 3984]
2354	[3824, 3825]	4809	[6437, 6438]	7264	[4669, 2297]	9719	[8700, 307]
2355	[3826, 3827]	4810	[6439, 6440]	7265	[5349, 2796]	9720	[9761, 9762]
2356	[3828, 3044]	4811	[3462, 4276]	7266	[2855, 230]	9721	[7402, 2969]
2357	[3297, 3829]	4812	[1236, 6441]	7267	[2565, 5849]	9722	[3448, 9763]
2358	[3830, 3203]	4813	[6129, 6442]	7268	[922, 2389]	9723	[3010, 4307]
2359	[3357, 3831]	4814	[6443, 1482]	7269	[8303, 2140]	9724	[1109, 9764]
2360	[3832, 1608]	4815	[6444, 3189]	7270	[8304, 8245]	9725	[9765, 9446]
2361	[3833, 1439]	4816	[6445, 3482]	7271	[8305, 8206]	9726	[1439, 9766]
2362	[1059, 1359]	4817	[6446, 1606]	7272	[8306, 7930]	9727	[8563, 3182]
2363	[3834, 3835]	4818	[6447, 3060]	7273	[5433, 8307]	9728	[1095, 1689]
2364	[3836, 3837]	4819	[4309, 6170]	7274	[8308, 8309]	9729	[1094, 7095]
2365	[3231, 2927]	4820	[3150, 4384]	7275	[669, 5723]	9730	[1102, 8720]
2366	[3838, 3597]	4821	[19, 4054]	7276	[1963, 8310]	9731	[1598, 9767]
2367	[3839, 3840]	4822	[6448, 4062]	7277	[7622, 2624]	9732	[1248, 430]
2368	[3841, 3842]	4823	[6449, 3586]	7278	[8311, 7501]	9733	[3838, 1422]
2369	[3076, 3843]	4824	[6137, 3281]	7279	[1701, 2832]	9734	[8811, 7461]
2370	[479, 3844]	4825	[6450, 6451]	7280	[8312, 8225]	9735	[9768, 7394]
2371	[3845, 3846]	4826	[6452, 4301]	7281	[5810, 2484]	9736	[3461, 3432]
2372	[3847, 3848]	4827	[1309, 6453]	7282	[731, 2629]	9737	[6906, 9769]
2373	[3849, 3535]	4828	[6454, 6455]	7283	[8313, 8314]	9738	[3609, 6871]
2374	[1636, 3439]	4829	[6456, 2902]	7284	[4814, 834]	9739	[9770, 9340]
2375	[3850, 3851]	4830	[1031, 6457]	7285	[7503, 2464]	9740	[3005, 7000]
2376	[3852, 3853]	4831	[351, 6458]	7286	[7835, 2057]	9741	[8949, 443]
2377	[3854, 478]	4832	[6459, 3862]	7287	[7786, 4640]	9742	[9771, 3185]
2378	[3112, 3855]	4833	[1481, 6460]	7288	[4979, 7677]	9743	[9668, 3900]

2379	[3856, 3109]	4834	[6461, 6462]	7289	[8315, 5856]	9744	[8695, 6851]
2380	[3857, 3583]	4835	[443, 6463]	7290	[8316, 2084]	9745	[476, 9772]
2381	[3858, 3859]	4836	[6464, 6465]	7291	[8317, 511]	9746	[9773, 7350]
2382	[3860, 3861]	4837	[6466, 3836]	7292	[5510, 5218]	9747	[7211, 9774]
2383	[3862, 1315]	4838	[3808, 6314]	7293	[4468, 7865]	9748	[9008, 953]
2384	[3863, 968]	4839	[3109, 6467]	7294	[8318, 1868]	9749	[9775, 9776]
2385	[3864, 3865]	4840	[6468, 3388]	7295	[2725, 8319]	9750	[9777, 3654]
2386	[3866, 3867]	4841	[6469, 3577]	7296	[8320, 8321]	9751	[3458, 3507]
2387	[3868, 3869]	4842	[3503, 3245]	7297	[8322, 4568]	9752	[7282, 9778]
2388	[3870, 1564]	4843	[1170, 1429]	7298	[5579, 2632]	9753	[6338, 8466]
2389	[3038, 3871]	4844	[6470, 6471]	7299	[8323, 6069]	9754	[6090, 9779]
2390	[3872, 3873]	4845	[6411, 3704]	7300	[2431, 8226]	9755	[9780, 6962]
2391	[3874, 3875]	4846	[6472, 6473]	7301	[8324, 8294]	9756	[8969, 9781]
2392	[3802, 1628]	4847	[3979, 6474]	7302	[8325, 6011]	9757	[6874, 6578]
2393	[3876, 1041]	4848	[1109, 3978]	7303	[8326, 5870]	9758	[1581, 9782]
2394	[3496, 324]	4849	[3792, 1189]	7304	[8327, 5631]	9759	[9694, 7139]
2395	[3877, 3878]	4850	[6475, 1098]	7305	[5030, 8045]	9760	[3296, 6896]
2396	[3879, 3575]	4851	[4418, 1480]	7306	[8328, 8329]	9761	[9084, 5943]
2397	[3112, 3880]	4852	[6476, 6477]	7307	[8330, 8331]	9762	[9046, 7540]
2398	[3881, 3882]	4853	[6232, 6190]	7308	[8332, 7881]	9763	[9783, 2284]
2399	[3883, 1132]	4854	[6478, 6479]	7309	[39, 5729]	9764	[9784, 7824]
2400	[3884, 3284]	4855	[6183, 6480]	7310	[7746, 8333]	9765	[7827, 9785]
2401	[3885, 1474]	4856	[1402, 6474]	7311	[154, 2505]	9766	[9786, 7924]
2402	[3886, 3887]	4857	[6481, 6482]	7312	[7837, 8171]	9767	[9787, 9565]
2403	[3637, 3888]	4858	[6483, 6484]	7313	[7747, 1879]	9768	[8394, 4607]
2404	[3889, 3890]	4859	[3236, 422]	7314	[8334, 5217]	9769	[9788, 9231]
2405	[3891, 3892]	4860	[924, 6119]	7315	[550, 127]	9770	[7641, 2180]
2406	[3893, 3894]	4861	[6485, 3942]	7316	[8335, 8336]	9771	[5049, 8005]
2407	[3895, 1222]	4862	[6486, 1107]	7317	[1887, 2757]	9772	[9789, 503]
2408	[3896, 1609]	4863	[3547, 6487]	7318	[8337, 2049]	9773	[9084, 4540]
2409	[390, 1076]	4864	[6488, 6489]	7319	[5663, 7862]	9774	[9790, 9253]
2410	[414, 3897]	4865	[6490, 6491]	7320	[8338, 5364]	9775	[2475, 608]
2411	[3898, 3899]	4866	[3983, 3345]	7321	[8339, 2013]	9776	[9791, 9258]
2412	[3900, 3097]	4867	[6492, 1341]	7322	[5959, 4592]	9777	[4474, 2455]
2413	[3901, 3902]	4868	[4312, 330]	7323	[2753, 8340]	9778	[9792, 5048]
2414	[3903, 3904]	4869	[1012, 2989]	7324	[774, 2676]	9779	[9793, 7868]
2415	[3905, 3906]	4870	[6493, 1669]	7325	[8108, 1940]	9780	[4947, 7633]
2416	[3421, 3907]	4871	[6494, 6495]	7326	[2694, 688]	9781	[9794, 9319]
2417	[3908, 3909]	4872	[3467, 6496]	7327	[8041, 4774]	9782	[9795, 9524]
2418	[3910, 3911]	4873	[1620, 3926]	7328	[2762, 4770]	9783	[9796, 9797]
2419	[3912, 26]	4874	[6497, 4104]	7329	[585, 5711]	9784	[7311, 9798]
2420	[3913, 3914]	4875	[4405, 3583]	7330	[8341, 8276]	9785	[1645, 3836]
2421	[1511, 1351]	4876	[923, 6118]	7331	[8342, 8343]	9786	[8575, 8951]
2422	[3915, 3916]	4877	[4109, 349]	7332	[2352, 5227]	9787	[9657, 1322]

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

n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$
0	0	1637	0	3274	0	4911	1	6548	0
1	0	1638	0	3275	1	4912	0	6549	0
2	0	1639	0	3276	0	4913	1	6550	1
3	0	1640	1	3277	1	4914	1	6551	1
4	0	1641	0	3278	0	4915	0	6552	1
5	0	1642	1	3279	0	4916	0	6553	1
6	0	1643	1	3280	0	4917	1	6554	0
7	0	1644	0	3281	1	4918	0	6555	1
8	0	1645	0	3282	0	4919	0	6556	1

9	0	1646	0	3283	1	4920	0	6557	1	8194	1
10	1	1647	1	3284	0	4921	1	6558	1	8195	0
11	0	1648	0	3285	1	4922	0	6559	1	8196	1
12	1	1649	0	3286	1	4923	0	6560	0	8197	1
13	0	1650	1	3287	0	4924	1	6561	0	8198	0
14	0	1651	0	3288	0	4925	0	6562	0	8199	0
15	0	1652	0	3289	0	4926	1	6563	0	8200	0
16	1	1653	0	3290	0	4927	1	6564	0	8201	1
17	0	1654	1	3291	0	4928	0	6565	0	8202	1
18	1	1655	0	3292	1	4929	1	6566	0	8203	0
19	0	1656	1	3293	1	4930	0	6567	0	8204	0
20	0	1657	0	3294	0	4931	0	6568	0	8205	1
21	1	1658	1	3295	0	4932	1	6569	0	8206	1
22	1	1659	1	3296	1	4933	0	6570	1	8207	1
23	0	1660	0	3297	0	4934	0	6571	0	8208	1
24	1	1661	1	3298	1	4935	0	6572	0	8209	0
25	1	1662	1	3299	1	4936	1	6573	1	8210	1
26	1	1663	1	3300	1	4937	1	6574	1	8211	1
27	0	1664	0	3301	1	4938	1	6575	1	8212	1
28	0	1665	1	3302	1	4939	1	6576	1	8213	1
29	0	1666	0	3303	0	4940	1	6577	0	8214	0
30	1	1667	1	3304	0	4941	1	6578	1	8215	1
31	0	1668	1	3305	1	4942	0	6579	0	8216	0
32	0	1669	1	3306	0	4943	1	6580	1	8217	1
33	1	1670	1	3307	0	4944	1	6581	0	8218	1
34	1	1671	1	3308	1	4945	0	6582	0	8219	0
35	0	1672	1	3309	1	4946	0	6583	0	8220	1
36	0	1673	0	3310	1	4947	1	6584	1	8221	1
37	1	1674	1	3311	0	4948	0	6585	1	8222	0
38	1	1675	1	3312	0	4949	0	6586	0	8223	0
39	0	1676	0	3313	0	4950	1	6587	1	8224	0
40	1	1677	1	3314	0	4951	0	6588	0	8225	1
41	0	1678	1	3315	0	4952	0	6589	1	8226	0
42	1	1679	1	3316	1	4953	0	6590	1	8227	1
43	1	1680	1	3317	0	4954	0	6591	0	8228	1
44	1	1681	0	3318	0	4955	0	6592	1	8229	0
45	1	1682	0	3319	0	4956	0	6593	1	8230	0
46	1	1683	1	3320	1	4957	0	6594	1	8231	0
47	0	1684	0	3321	1	4958	0	6595	0	8232	1
48	1	1685	1	3322	1	4959	1	6596	0	8233	1
49	1	1686	0	3323	1	4960	0	6597	0	8234	0
50	0	1687	0	3324	1	4961	0	6598	0	8235	1
51	1	1688	0	3325	0	4962	1	6599	1	8236	0
52	1	1689	1	3326	0	4963	1	6600	1	8237	1

53	1	1690	0	3327	0	4964	0	6601	1	8238	0
54	0	1691	0	3328	1	4965	0	6602	1	8239	1
55	0	1692	1	3329	0	4966	1	6603	1	8240	0
56	0	1693	0	3330	0	4967	1	6604	1	8241	1
57	0	1694	1	3331	1	4968	1	6605	1	8242	1
58	1	1695	1	3332	1	4969	0	6606	1	8243	1
59	0	1696	1	3333	0	4970	1	6607	0	8244	0
60	1	1697	0	3334	0	4971	1	6608	0	8245	0
61	1	1698	1	3335	0	4972	0	6609	1	8246	0
62	0	1699	0	3336	1	4973	0	6610	1	8247	1
63	0	1700	1	3337	1	4974	0	6611	1	8248	0
64	1	1701	0	3338	0	4975	1	6612	1	8249	0
65	0	1702	0	3339	1	4976	1	6613	0	8250	1
66	0	1703	0	3340	0	4977	1	6614	0	8251	1
67	1	1704	1	3341	1	4978	1	6615	1	8252	0
68	0	1705	1	3342	1	4979	0	6616	0	8253	1
69	1	1706	0	3343	1	4980	0	6617	1	8254	1
70	1	1707	1	3344	1	4981	1	6618	0	8255	0
71	0	1708	0	3345	0	4982	0	6619	0	8256	0
72	1	1709	1	3346	1	4983	1	6620	1	8257	1
73	0	1710	0	3347	0	4984	0	6621	1	8258	1
74	1	1711	0	3348	0	4985	0	6622	1	8259	1
75	1	1712	1	3349	1	4986	0	6623	1	8260	1
76	1	1713	1	3350	1	4987	1	6624	0	8261	0
77	1	1714	0	3351	0	4988	0	6625	1	8262	1
78	0	1715	0	3352	0	4989	0	6626	1	8263	0
79	0	1716	0	3353	1	4990	1	6627	1	8264	1
80	0	1717	0	3354	0	4991	0	6628	1	8265	0
81	1	1718	1	3355	1	4992	0	6629	1	8266	1
82	1	1719	1	3356	1	4993	1	6630	1	8267	0
83	0	1720	1	3357	0	4994	1	6631	0	8268	0
84	1	1721	1	3358	1	4995	1	6632	1	8269	1
85	1	1722	1	3359	0	4996	1	6633	1	8270	0
86	0	1723	0	3360	0	4997	0	6634	0	8271	0
87	1	1724	1	3361	1	4998	0	6635	0	8272	1
88	0	1725	1	3362	0	4999	1	6636	1	8273	1
89	1	1726	0	3363	0	5000	1	6637	0	8274	1
90	0	1727	0	3364	0	5001	1	6638	0	8275	1
91	1	1728	0	3365	1	5002	0	6639	1	8276	1
92	0	1729	0	3366	1	5003	1	6640	0	8277	1
93	1	1730	1	3367	0	5004	1	6641	0	8278	0
94	0	1731	0	3368	1	5005	0	6642	0	8279	1
95	0	1732	1	3369	0	5006	0	6643	1	8280	1
96	1	1733	1	3370	1	5007	1	6644	1	8281	1

97	1	1734	1	3371	0	5008	1	6645	1	8282	0
98	0	1735	1	3372	1	5009	1	6646	0	8283	0
99	1	1736	1	3373	0	5010	1	6647	0	8284	0
100	0	1737	0	3374	0	5011	1	6648	0	8285	1
101	0	1738	0	3375	0	5012	0	6649	1	8286	0
102	1	1739	1	3376	1	5013	1	6650	0	8287	0
103	1	1740	1	3377	0	5014	1	6651	0	8288	1
104	0	1741	0	3378	0	5015	0	6652	1	8289	1
105	1	1742	1	3379	0	5016	1	6653	1	8290	0
106	0	1743	1	3380	0	5017	1	6654	1	8291	1
107	1	1744	1	3381	1	5018	0	6655	1	8292	0
108	1	1745	1	3382	1	5019	1	6656	0	8293	0
109	0	1746	1	3383	0	5020	0	6657	0	8294	0
110	1	1747	0	3384	0	5021	1	6658	0	8295	0
111	0	1748	1	3385	1	5022	0	6659	1	8296	0
112	1	1749	0	3386	1	5023	0	6660	0	8297	0
113	0	1750	0	3387	1	5024	0	6661	0	8298	0
114	0	1751	0	3388	0	5025	1	6662	1	8299	1
115	0	1752	0	3389	0	5026	1	6663	0	8300	1
116	1	1753	1	3390	1	5027	1	6664	1	8301	0
117	1	1754	1	3391	0	5028	0	6665	1	8302	0
118	0	1755	1	3392	0	5029	0	6666	1	8303	1
119	0	1756	0	3393	1	5030	1	6667	0	8304	1
120	0	1757	1	3394	1	5031	0	6668	1	8305	0
121	1	1758	1	3395	0	5032	1	6669	0	8306	0
122	1	1759	1	3396	1	5033	1	6670	1	8307	1
123	0	1760	1	3397	1	5034	0	6671	1	8308	0
124	0	1761	1	3398	0	5035	0	6672	0	8309	0
125	0	1762	0	3399	0	5036	0	6673	1	8310	0
126	0	1763	0	3400	0	5037	0	6674	1	8311	1
127	0	1764	0	3401	1	5038	1	6675	0	8312	1
128	1	1765	0	3402	1	5039	0	6676	1	8313	0
129	0	1766	1	3403	1	5040	0	6677	0	8314	1
130	0	1767	0	3404	0	5041	1	6678	0	8315	1
131	0	1768	0	3405	1	5042	0	6679	0	8316	1
132	0	1769	1	3406	0	5043	0	6680	1	8317	1
133	0	1770	0	3407	1	5044	0	6681	0	8318	0
134	1	1771	1	3408	1	5045	0	6682	1	8319	0
135	1	1772	1	3409	1	5046	1	6683	0	8320	0
136	0	1773	0	3410	0	5047	1	6684	0	8321	1
137	0	1774	1	3411	1	5048	0	6685	1	8322	0
138	1	1775	1	3412	0	5049	1	6686	0	8323	0
139	1	1776	0	3413	0	5050	1	6687	0	8324	0
140	1	1777	1	3414	1	5051	0	6688	0	8325	1

141	0	1778	1	3415	1	5052	1	6689	1	8326	1
142	0	1779	0	3416	0	5053	1	6690	0	8327	1
143	1	1780	0	3417	0	5054	0	6691	0	8328	0
144	1	1781	1	3418	0	5055	1	6692	0	8329	1
145	1	1782	0	3419	0	5056	0	6693	0	8330	0
146	0	1783	1	3420	0	5057	1	6694	1	8331	1
147	1	1784	0	3421	1	5058	1	6695	0	8332	1
148	1	1785	0	3422	0	5059	1	6696	1	8333	1
149	0	1786	1	3423	0	5060	0	6697	0	8334	0
150	1	1787	0	3424	0	5061	1	6698	0	8335	0
151	0	1788	1	3425	0	5062	1	6699	1	8336	0
152	1	1789	0	3426	1	5063	1	6700	0	8337	0
153	1	1790	0	3427	1	5064	0	6701	1	8338	0
154	1	1791	1	3428	0	5065	0	6702	0	8339	0
155	0	1792	1	3429	1	5066	0	6703	0	8340	0
156	0	1793	0	3430	1	5067	0	6704	1	8341	0
157	0	1794	1	3431	1	5068	1	6705	0	8342	1
158	1	1795	1	3432	0	5069	1	6706	0	8343	1
159	0	1796	0	3433	1	5070	0	6707	1	8344	1
160	0	1797	0	3434	1	5071	0	6708	1	8345	0
161	1	1798	0	3435	1	5072	1	6709	0	8346	1
162	1	1799	0	3436	1	5073	0	6710	1	8347	1
163	1	1800	1	3437	1	5074	0	6711	0	8348	0
164	0	1801	1	3438	0	5075	1	6712	1	8349	1
165	0	1802	0	3439	0	5076	1	6713	1	8350	0
166	0	1803	0	3440	0	5077	0	6714	1	8351	0
167	1	1804	1	3441	1	5078	0	6715	1	8352	1
168	0	1805	0	3442	0	5079	0	6716	1	8353	0
169	1	1806	0	3443	1	5080	1	6717	1	8354	0
170	1	1807	0	3444	1	5081	1	6718	1	8355	0
171	0	1808	0	3445	1	5082	0	6719	0	8356	1
172	0	1809	0	3446	1	5083	0	6720	0	8357	0
173	1	1810	0	3447	0	5084	0	6721	0	8358	1
174	1	1811	0	3448	0	5085	0	6722	1	8359	1
175	0	1812	0	3449	0	5086	0	6723	0	8360	0
176	0	1813	1	3450	0	5087	0	6724	1	8361	1
177	1	1814	1	3451	1	5088	0	6725	1	8362	0
178	0	1815	1	3452	1	5089	1	6726	0	8363	0
179	0	1816	1	3453	0	5090	0	6727	1	8364	1
180	1	1817	0	3454	0	5091	0	6728	1	8365	1
181	1	1818	1	3455	1	5092	1	6729	1	8366	0
182	1	1819	0	3456	0	5093	1	6730	1	8367	1
183	0	1820	0	3457	1	5094	0	6731	1	8368	1
184	0	1821	1	3458	0	5095	1	6732	1	8369	1

185	1	1822	1	3459	1	5096	1	6733	1	8370	0
186	0	1823	1	3460	0	5097	1	6734	0	8371	0
187	0	1824	0	3461	0	5098	1	6735	0	8372	1
188	1	1825	0	3462	1	5099	0	6736	1	8373	1
189	0	1826	0	3463	0	5100	0	6737	0	8374	1
190	1	1827	1	3464	0	5101	1	6738	1	8375	1
191	1	1828	0	3465	1	5102	1	6739	0	8376	1
192	0	1829	1	3466	0	5103	0	6740	0	8377	1
193	1	1830	1	3467	1	5104	1	6741	1	8378	1
194	0	1831	1	3468	0	5105	1	6742	0	8379	0
195	0	1832	0	3469	1	5106	1	6743	1	8380	1
196	1	1833	0	3470	0	5107	1	6744	0	8381	1
197	1	1834	0	3471	0	5108	1	6745	0	8382	1
198	1	1835	1	3472	0	5109	0	6746	0	8383	0
199	0	1836	1	3473	1	5110	0	6747	1	8384	1
200	1	1837	1	3474	0	5111	0	6748	1	8385	0
201	0	1838	0	3475	1	5112	1	6749	0	8386	0
202	1	1839	0	3476	1	5113	0	6750	1	8387	1
203	1	1840	0	3477	1	5114	0	6751	0	8388	0
204	0	1841	0	3478	0	5115	1	6752	1	8389	0
205	1	1842	0	3479	1	5116	1	6753	1	8390	1
206	1	1843	0	3480	0	5117	1	6754	0	8391	0
207	0	1844	1	3481	1	5118	1	6755	0	8392	0
208	1	1845	0	3482	1	5119	1	6756	0	8393	0
209	0	1846	0	3483	1	5120	1	6757	0	8394	0
210	0	1847	1	3484	0	5121	0	6758	0	8395	1
211	1	1848	1	3485	1	5122	0	6759	1	8396	0
212	1	1849	1	3486	0	5123	0	6760	0	8397	1
213	1	1850	0	3487	0	5124	0	6761	0	8398	0
214	1	1851	1	3488	0	5125	1	6762	1	8399	1
215	1	1852	0	3489	0	5126	1	6763	0	8400	1
216	0	1853	1	3490	1	5127	0	6764	1	8401	1
217	1	1854	1	3491	1	5128	1	6765	0	8402	1
218	1	1855	1	3492	0	5129	0	6766	0	8403	1
219	0	1856	1	3493	1	5130	0	6767	0	8404	0
220	0	1857	1	3494	1	5131	1	6768	0	8405	1
221	1	1858	1	3495	1	5132	0	6769	1	8406	1
222	1	1859	1	3496	1	5133	0	6770	1	8407	1
223	0	1860	1	3497	0	5134	1	6771	1	8408	0
224	0	1861	1	3498	0	5135	0	6772	0	8409	1
225	0	1862	0	3499	1	5136	0	6773	1	8410	0
226	0	1863	1	3500	1	5137	0	6774	0	8411	1
227	0	1864	1	3501	0	5138	1	6775	0	8412	1
228	0	1865	0	3502	0	5139	0	6776	1	8413	0

229	1	1866	1	3503	0	5140	0	6777	1	8414	1
230	1	1867	1	3504	0	5141	1	6778	1	8415	1
231	0	1868	0	3505	0	5142	1	6779	1	8416	0
232	1	1869	0	3506	0	5143	0	6780	0	8417	1
233	1	1870	0	3507	1	5144	1	6781	1	8418	1
234	0	1871	0	3508	1	5145	0	6782	1	8419	0
235	0	1872	1	3509	0	5146	0	6783	1	8420	0
236	0	1873	1	3510	1	5147	0	6784	1	8421	0
237	1	1874	1	3511	1	5148	0	6785	0	8422	1
238	0	1875	1	3512	0	5149	1	6786	1	8423	1
239	1	1876	0	3513	0	5150	1	6787	1	8424	1
240	0	1877	0	3514	1	5151	0	6788	0	8425	1
241	1	1878	1	3515	1	5152	1	6789	1	8426	0
242	0	1879	1	3516	0	5153	1	6790	1	8427	0
243	0	1880	1	3517	0	5154	0	6791	1	8428	0
244	0	1881	0	3518	0	5155	1	6792	1	8429	1
245	0	1882	0	3519	1	5156	1	6793	0	8430	1
246	1	1883	0	3520	0	5157	1	6794	1	8431	1
247	0	1884	0	3521	1	5158	0	6795	1	8432	1
248	1	1885	0	3522	1	5159	0	6796	0	8433	0
249	0	1886	0	3523	0	5160	1	6797	0	8434	0
250	1	1887	1	3524	1	5161	0	6798	0	8435	1
251	0	1888	1	3525	1	5162	1	6799	0	8436	0
252	1	1889	0	3526	0	5163	0	6800	1	8437	0
253	1	1890	1	3527	0	5164	0	6801	0	8438	1
254	0	1891	0	3528	1	5165	1	6802	0	8439	0
255	0	1892	0	3529	1	5166	0	6803	0	8440	0
256	1	1893	0	3530	0	5167	0	6804	1	8441	1
257	0	1894	0	3531	1	5168	1	6805	0	8442	0
258	1	1895	0	3532	1	5169	1	6806	1	8443	1
259	0	1896	0	3533	0	5170	1	6807	0	8444	1
260	1	1897	1	3534	1	5171	1	6808	1	8445	1
261	0	1898	0	3535	1	5172	1	6809	1	8446	1
262	1	1899	1	3536	0	5173	1	6810	1	8447	0
263	0	1900	0	3537	0	5174	1	6811	1	8448	1
264	1	1901	1	3538	0	5175	0	6812	1	8449	1
265	1	1902	1	3539	1	5176	1	6813	1	8450	0
266	0	1903	1	3540	1	5177	1	6814	0	8451	0
267	1	1904	0	3541	0	5178	0	6815	1	8452	1
268	0	1905	0	3542	1	5179	0	6816	1	8453	1
269	0	1906	0	3543	1	5180	0	6817	0	8454	1
270	0	1907	0	3544	0	5181	1	6818	0	8455	1
271	0	1908	0	3545	0	5182	0	6819	1	8456	0
272	0	1909	0	3546	1	5183	1	6820	0	8457	1

273	1	1910	0	3547	0	5184	1	6821	0	8458	0
274	1	1911	1	3548	0	5185	1	6822	0	8459	0
275	1	1912	1	3549	0	5186	0	6823	1	8460	1
276	0	1913	0	3550	1	5187	0	6824	1	8461	1
277	1	1914	0	3551	0	5188	1	6825	0	8462	1
278	1	1915	0	3552	0	5189	1	6826	0	8463	0
279	0	1916	1	3553	1	5190	0	6827	1	8464	0
280	1	1917	0	3554	0	5191	1	6828	0	8465	0
281	0	1918	1	3555	1	5192	1	6829	1	8466	0
282	0	1919	0	3556	0	5193	0	6830	1	8467	1
283	1	1920	0	3557	0	5194	0	6831	1	8468	1
284	1	1921	1	3558	0	5195	1	6832	1	8469	1
285	1	1922	1	3559	0	5196	0	6833	0	8470	1
286	0	1923	1	3560	0	5197	0	6834	0	8471	1
287	1	1924	0	3561	1	5198	1	6835	0	8472	0
288	0	1925	1	3562	0	5199	0	6836	1	8473	1
289	0	1926	0	3563	0	5200	1	6837	0	8474	1
290	1	1927	0	3564	1	5201	1	6838	1	8475	0
291	1	1928	0	3565	1	5202	1	6839	0	8476	0
292	0	1929	1	3566	0	5203	0	6840	0	8477	0
293	1	1930	1	3567	0	5204	0	6841	0	8478	1
294	0	1931	1	3568	0	5205	1	6842	0	8479	1
295	0	1932	1	3569	1	5206	1	6843	0	8480	1
296	0	1933	0	3570	0	5207	0	6844	0	8481	0
297	1	1934	1	3571	1	5208	0	6845	1	8482	1
298	0	1935	1	3572	1	5209	0	6846	1	8483	1
299	0	1936	0	3573	0	5210	1	6847	1	8484	1
300	1	1937	0	3574	0	5211	1	6848	1	8485	1
301	1	1938	0	3575	1	5212	1	6849	1	8486	1
302	0	1939	0	3576	0	5213	1	6850	1	8487	1
303	1	1940	0	3577	0	5214	0	6851	1	8488	1
304	1	1941	1	3578	1	5215	1	6852	1	8489	1
305	1	1942	0	3579	1	5216	1	6853	0	8490	1
306	0	1943	1	3580	0	5217	1	6854	0	8491	1
307	0	1944	0	3581	0	5218	0	6855	1	8492	1
308	0	1945	1	3582	0	5219	0	6856	1	8493	1
309	0	1946	1	3583	0	5220	0	6857	0	8494	0
310	1	1947	0	3584	0	5221	1	6858	1	8495	1
311	0	1948	0	3585	1	5222	1	6859	0	8496	0
312	0	1949	0	3586	1	5223	1	6860	0	8497	0
313	1	1950	0	3587	0	5224	0	6861	1	8498	1
314	0	1951	0	3588	1	5225	1	6862	1	8499	0
315	0	1952	0	3589	0	5226	0	6863	0	8500	1
316	0	1953	1	3590	1	5227	0	6864	1	8501	0

317	1	1954	0	3591	1	5228	1	6865	1	8502	1
318	1	1955	1	3592	1	5229	1	6866	0	8503	1
319	1	1956	0	3593	1	5230	0	6867	0	8504	0
320	1	1957	0	3594	1	5231	1	6868	0	8505	1
321	1	1958	0	3595	0	5232	1	6869	1	8506	0
322	0	1959	0	3596	0	5233	0	6870	0	8507	0
323	0	1960	1	3597	1	5234	1	6871	1	8508	0
324	1	1961	0	3598	1	5235	0	6872	1	8509	0
325	0	1962	0	3599	0	5236	0	6873	0	8510	0
326	1	1963	1	3600	1	5237	1	6874	1	8511	0
327	0	1964	1	3601	1	5238	0	6875	0	8512	0
328	1	1965	1	3602	0	5239	0	6876	1	8513	1
329	1	1966	1	3603	1	5240	1	6877	0	8514	1
330	0	1967	0	3604	0	5241	0	6878	1	8515	0
331	0	1968	0	3605	1	5242	0	6879	0	8516	0
332	1	1969	0	3606	0	5243	0	6880	0	8517	0
333	1	1970	0	3607	1	5244	1	6881	1	8518	0
334	1	1971	1	3608	1	5245	1	6882	1	8519	0
335	1	1972	1	3609	1	5246	1	6883	0	8520	0
336	0	1973	1	3610	1	5247	0	6884	0	8521	1
337	0	1974	0	3611	0	5248	1	6885	1	8522	0
338	0	1975	1	3612	1	5249	0	6886	1	8523	0
339	0	1976	0	3613	1	5250	1	6887	0	8524	0
340	1	1977	1	3614	1	5251	1	6888	1	8525	0
341	1	1978	0	3615	0	5252	0	6889	0	8526	0
342	1	1979	1	3616	0	5253	1	6890	0	8527	0
343	1	1980	1	3617	1	5254	1	6891	1	8528	1
344	0	1981	1	3618	0	5255	1	6892	0	8529	0
345	0	1982	0	3619	0	5256	1	6893	0	8530	1
346	0	1983	0	3620	1	5257	0	6894	1	8531	0
347	1	1984	0	3621	1	5258	1	6895	1	8532	0
348	1	1985	1	3622	0	5259	1	6896	1	8533	1
349	0	1986	0	3623	0	5260	0	6897	0	8534	1
350	0	1987	1	3624	1	5261	1	6898	1	8535	0
351	1	1988	1	3625	1	5262	0	6899	1	8536	0
352	0	1989	0	3626	1	5263	1	6900	0	8537	0
353	1	1990	0	3627	0	5264	0	6901	0	8538	0
354	1	1991	0	3628	1	5265	1	6902	0	8539	0
355	0	1992	1	3629	1	5266	0	6903	0	8540	0
356	1	1993	1	3630	0	5267	1	6904	0	8541	1
357	1	1994	0	3631	0	5268	0	6905	0	8542	1
358	1	1995	1	3632	1	5269	1	6906	0	8543	0
359	0	1996	1	3633	1	5270	0	6907	1	8544	0
360	0	1997	1	3634	0	5271	0	6908	0	8545	1

361	0	1998	0	3635	0	5272	1	6909	0	8546	1
362	0	1999	0	3636	1	5273	1	6910	0	8547	1
363	1	2000	1	3637	1	5274	0	6911	0	8548	1
364	1	2001	0	3638	1	5275	0	6912	1	8549	1
365	0	2002	0	3639	1	5276	1	6913	0	8550	1
366	0	2003	1	3640	0	5277	1	6914	0	8551	1
367	1	2004	0	3641	1	5278	1	6915	1	8552	1
368	0	2005	0	3642	0	5279	1	6916	1	8553	1
369	1	2006	1	3643	1	5280	1	6917	1	8554	0
370	1	2007	1	3644	1	5281	0	6918	1	8555	0
371	0	2008	1	3645	0	5282	1	6919	0	8556	0
372	0	2009	1	3646	0	5283	0	6920	0	8557	0
373	0	2010	1	3647	0	5284	0	6921	1	8558	1
374	1	2011	1	3648	0	5285	1	6922	0	8559	0
375	0	2012	0	3649	1	5286	1	6923	1	8560	1
376	1	2013	0	3650	1	5287	0	6924	0	8561	1
377	0	2014	0	3651	0	5288	1	6925	1	8562	1
378	0	2015	1	3652	0	5289	0	6926	1	8563	1
379	0	2016	0	3653	0	5290	0	6927	1	8564	1
380	1	2017	1	3654	1	5291	1	6928	0	8565	1
381	1	2018	0	3655	1	5292	1	6929	0	8566	1
382	0	2019	0	3656	1	5293	0	6930	0	8567	1
383	1	2020	0	3657	1	5294	1	6931	1	8568	1
384	0	2021	1	3658	0	5295	0	6932	0	8569	1
385	1	2022	1	3659	1	5296	1	6933	0	8570	1
386	1	2023	0	3660	0	5297	0	6934	0	8571	1
387	1	2024	0	3661	0	5298	1	6935	1	8572	0
388	1	2025	0	3662	1	5299	0	6936	1	8573	0
389	1	2026	0	3663	1	5300	0	6937	0	8574	0
390	1	2027	1	3664	1	5301	1	6938	1	8575	1
391	0	2028	1	3665	0	5302	0	6939	0	8576	0
392	0	2029	0	3666	1	5303	0	6940	0	8577	0
393	1	2030	1	3667	1	5304	1	6941	1	8578	1
394	0	2031	0	3668	0	5305	0	6942	0	8579	0
395	0	2032	1	3669	1	5306	1	6943	0	8580	1
396	0	2033	0	3670	0	5307	0	6944	0	8581	1
397	1	2034	0	3671	0	5308	1	6945	0	8582	1
398	0	2035	0	3672	0	5309	1	6946	0	8583	0
399	1	2036	1	3673	0	5310	0	6947	1	8584	0
400	0	2037	1	3674	1	5311	0	6948	1	8585	0
401	1	2038	1	3675	0	5312	0	6949	0	8586	1
402	1	2039	0	3676	1	5313	1	6950	0	8587	0
403	1	2040	0	3677	1	5314	0	6951	1	8588	1
404	1	2041	1	3678	1	5315	1	6952	0	8589	0

405	0	2042	1	3679	1	5316	1	6953	0	8590	0
406	0	2043	1	3680	1	5317	0	6954	1	8591	1
407	0	2044	1	3681	0	5318	0	6955	1	8592	1
408	1	2045	1	3682	1	5319	1	6956	0	8593	0
409	0	2046	1	3683	1	5320	0	6957	0	8594	0
410	0	2047	0	3684	0	5321	1	6958	0	8595	0
411	1	2048	1	3685	1	5322	0	6959	1	8596	1
412	0	2049	0	3686	0	5323	0	6960	0	8597	0
413	1	2050	1	3687	1	5324	0	6961	0	8598	0
414	1	2051	0	3688	0	5325	0	6962	0	8599	1
415	0	2052	0	3689	0	5326	1	6963	1	8600	0
416	1	2053	0	3690	0	5327	0	6964	0	8601	0
417	0	2054	0	3691	0	5328	0	6965	0	8602	0
418	1	2055	0	3692	1	5329	1	6966	0	8603	0
419	0	2056	1	3693	1	5330	0	6967	0	8604	1
420	1	2057	0	3694	1	5331	1	6968	1	8605	1
421	0	2058	0	3695	1	5332	1	6969	1	8606	0
422	1	2059	1	3696	0	5333	0	6970	1	8607	1
423	1	2060	0	3697	1	5334	1	6971	1	8608	1
424	0	2061	0	3698	0	5335	1	6972	0	8609	1
425	1	2062	1	3699	1	5336	0	6973	0	8610	1
426	1	2063	1	3700	1	5337	0	6974	1	8611	1
427	1	2064	0	3701	0	5338	0	6975	0	8612	0
428	1	2065	1	3702	1	5339	1	6976	0	8613	0
429	0	2066	1	3703	0	5340	1	6977	1	8614	1
430	1	2067	0	3704	1	5341	1	6978	1	8615	1
431	0	2068	0	3705	1	5342	1	6979	1	8616	1
432	1	2069	0	3706	0	5343	1	6980	0	8617	0
433	1	2070	0	3707	0	5344	0	6981	1	8618	0
434	1	2071	1	3708	0	5345	1	6982	0	8619	1
435	1	2072	1	3709	1	5346	0	6983	0	8620	1
436	0	2073	0	3710	0	5347	0	6984	1	8621	0
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438	0	2075	0	3712	1	5349	0	6986	1	8623	0
439	1	2076	1	3713	0	5350	0	6987	0	8624	1
440	0	2077	0	3714	1	5351	1	6988	1	8625	0
441	0	2078	1	3715	1	5352	1	6989	0	8626	1
442	0	2079	1	3716	1	5353	1	6990	1	8627	1
443	0	2080	1	3717	0	5354	1	6991	0	8628	0
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445	0	2082	0	3719	0	5356	0	6993	1	8630	1
446	0	2083	0	3720	0	5357	1	6994	1	8631	1
447	1	2084	0	3721	1	5358	1	6995	1	8632	0
448	1	2085	1	3722	1	5359	0	6996	0	8633	0

449	1	2086	1	3723	1	5360	1	6997	0	8634	1
450	1	2087	1	3724	1	5361	1	6998	1	8635	0
451	1	2088	0	3725	1	5362	0	6999	1	8636	1
452	0	2089	0	3726	1	5363	1	7000	0	8637	0
453	0	2090	1	3727	1	5364	0	7001	1	8638	0
454	1	2091	0	3728	1	5365	1	7002	0	8639	0
455	1	2092	0	3729	0	5366	0	7003	1	8640	0
456	1	2093	1	3730	1	5367	0	7004	1	8641	0
457	0	2094	1	3731	1	5368	0	7005	0	8642	1
458	1	2095	1	3732	1	5369	0	7006	0	8643	0
459	0	2096	1	3733	1	5370	0	7007	1	8644	1
460	0	2097	1	3734	0	5371	0	7008	1	8645	0
461	0	2098	0	3735	0	5372	0	7009	1	8646	1
462	1	2099	0	3736	0	5373	1	7010	0	8647	0
463	1	2100	0	3737	0	5374	0	7011	1	8648	1
464	0	2101	0	3738	0	5375	1	7012	1	8649	0
465	0	2102	0	3739	0	5376	1	7013	0	8650	0
466	1	2103	1	3740	0	5377	0	7014	0	8651	0
467	0	2104	1	3741	0	5378	1	7015	1	8652	0
468	0	2105	1	3742	0	5379	1	7016	1	8653	0
469	1	2106	0	3743	1	5380	0	7017	1	8654	0
470	1	2107	1	3744	1	5381	0	7018	1	8655	0
471	0	2108	0	3745	0	5382	1	7019	0	8656	1
472	0	2109	0	3746	1	5383	1	7020	0	8657	1
473	1	2110	1	3747	0	5384	0	7021	0	8658	0
474	1	2111	0	3748	0	5385	1	7022	0	8659	0
475	0	2112	0	3749	0	5386	1	7023	1	8660	1
476	0	2113	1	3750	1	5387	0	7024	0	8661	0
477	1	2114	0	3751	0	5388	0	7025	1	8662	1
478	1	2115	0	3752	1	5389	0	7026	0	8663	1
479	0	2116	1	3753	1	5390	0	7027	1	8664	1
480	1	2117	1	3754	1	5391	0	7028	1	8665	1
481	1	2118	0	3755	1	5392	0	7029	0	8666	0
482	1	2119	1	3756	0	5393	1	7030	0	8667	0
483	0	2120	0	3757	0	5394	1	7031	1	8668	1
484	1	2121	1	3758	1	5395	1	7032	0	8669	1
485	1	2122	0	3759	1	5396	1	7033	1	8670	0
486	1	2123	0	3760	0	5397	1	7034	1	8671	0
487	0	2124	0	3761	1	5398	0	7035	0	8672	1
488	1	2125	0	3762	1	5399	0	7036	0	8673	0
489	1	2126	0	3763	1	5400	1	7037	1	8674	1
490	0	2127	1	3764	1	5401	1	7038	0	8675	0
491	1	2128	1	3765	0	5402	1	7039	1	8676	0
492	0	2129	1	3766	1	5403	1	7040	1	8677	0

493	0	2130	0	3767	1	5404	0	7041	1	8678	0
494	1	2131	1	3768	1	5405	0	7042	0	8679	1
495	0	2132	0	3769	0	5406	1	7043	0	8680	1
496	1	2133	0	3770	0	5407	1	7044	0	8681	0
497	1	2134	1	3771	1	5408	0	7045	0	8682	0
498	0	2135	0	3772	1	5409	1	7046	0	8683	0
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500	0	2137	1	3774	1	5411	0	7048	0	8685	0
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504	0	2141	0	3778	0	5415	1	7052	0	8689	0
505	1	2142	0	3779	1	5416	0	7053	0	8690	1
506	0	2143	1	3780	1	5417	0	7054	0	8691	1
507	0	2144	0	3781	1	5418	1	7055	1	8692	1
508	0	2145	1	3782	1	5419	0	7056	1	8693	1
509	1	2146	0	3783	1	5420	0	7057	1	8694	0
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521	0	2158	0	3795	0	5432	1	7069	1	8706	1
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524	1	2161	0	3798	0	5435	0	7072	1	8709	1
525	0	2162	0	3799	1	5436	1	7073	0	8710	0
526	1	2163	0	3800	1	5437	0	7074	0	8711	0
527	0	2164	1	3801	0	5438	0	7075	0	8712	0
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529	0	2166	1	3803	0	5440	0	7077	0	8714	1
530	0	2167	0	3804	1	5441	0	7078	0	8715	0
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532	1	2169	0	3806	0	5443	0	7080	0	8717	1
533	1	2170	1	3807	1	5444	1	7081	0	8718	0
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535	1	2172	0	3809	0	5446	0	7083	0	8720	1
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539	0	2176	0	3813	1	5450	1	7087	1	8724	1
540	1	2177	0	3814	0	5451	0	7088	1	8725	1
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543	1	2180	1	3817	0	5454	0	7091	0	8728	1
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546	0	2183	0	3820	0	5457	0	7094	0	8731	1
547	1	2184	1	3821	1	5458	0	7095	0	8732	0
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550	1	2187	1	3824	0	5461	1	7098	1	8735	0
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552	1	2189	1	3826	1	5463	1	7100	1	8737	1
553	0	2190	1	3827	0	5464	0	7101	0	8738	0
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555	1	2192	1	3829	1	5466	0	7103	0	8740	1
556	0	2193	1	3830	0	5467	0	7104	1	8741	1
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559	0	2196	1	3833	1	5470	1	7107	0	8744	1
560	0	2197	0	3834	1	5471	0	7108	0	8745	0
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562	0	2199	0	3836	1	5473	1	7110	1	8747	1
563	0	2200	0	3837	1	5474	0	7111	1	8748	1
564	1	2201	1	3838	1	5475	1	7112	0	8749	0
565	1	2202	1	3839	0	5476	0	7113	1	8750	1
566	1	2203	0	3840	1	5477	1	7114	1	8751	0
567	1	2204	1	3841	0	5478	1	7115	1	8752	1
568	0	2205	0	3842	1	5479	1	7116	1	8753	0
569	1	2206	1	3843	0	5480	1	7117	1	8754	0
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571	0	2208	0	3845	1	5482	0	7119	1	8756	0
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573	1	2210	0	3847	1	5484	0	7121	1	8758	0
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577	1	2214	1	3851	0	5488	0	7125	0	8762	1
578	1	2215	0	3852	1	5489	0	7126	1	8763	0
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582	0	2219	1	3856	0	5493	0	7130	1	8767	0
583	1	2220	0	3857	1	5494	1	7131	1	8768	1
584	1	2221	0	3858	1	5495	1	7132	0	8769	0
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586	1	2223	1	3860	0	5497	0	7134	0	8771	1
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603	1	2240	1	3877	1	5514	1	7151	1	8788	0
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614	0	2251	0	3888	1	5525	1	7162	0	8799	1
615	0	2252	0	3889	1	5526	1	7163	1	8800	0
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623	0	2260	1	3897	1	5534	1	7171	0	8808	0
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633	1	2270	1	3907	1	5544	1	7181	0	8818	0
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639	0	2276	0	3913	0	5550	1	7187	1	8824	1
640	0	2277	1	3914	0	5551	1	7188	1	8825	1
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645	0	2282	0	3919	1	5556	0	7193	1	8830	1
646	1	2283	1	3920	0	5557	1	7194	0	8831	1
647	1	2284	1	3921	1	5558	1	7195	1	8832	1
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717	1	2354	0	3991	1	5628	0	7265	0	8902	0
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719	0	2356	0	3993	1	5630	0	7267	1	8904	1
720	0	2357	0	3994	1	5631	1	7268	1	8905	0
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723	0	2360	1	3997	0	5634	0	7271	0	8908	1
724	1	2361	1	3998	0	5635	1	7272	0	8909	0
725	0	2362	1	3999	0	5636	1	7273	1	8910	1
726	1	2363	1	4000	0	5637	0	7274	0	8911	0
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728	1	2365	0	4002	0	5639	0	7276	1	8913	1
729	0	2366	1	4003	1	5640	1	7277	0	8914	0
730	0	2367	0	4004	0	5641	0	7278	1	8915	0
731	0	2368	0	4005	0	5642	0	7279	0	8916	1
732	0	2369	0	4006	1	5643	1	7280	1	8917	1
733	0	2370	0	4007	0	5644	0	7281	1	8918	0
734	0	2371	1	4008	1	5645	0	7282	0	8919	0
735	1	2372	1	4009	1	5646	0	7283	0	8920	0
736	0	2373	0	4010	0	5647	1	7284	0	8921	0
737	1	2374	1	4011	1	5648	0	7285	0	8922	1
738	1	2375	1	4012	0	5649	1	7286	0	8923	0
739	0	2376	1	4013	1	5650	0	7287	1	8924	0
740	1	2377	0	4014	0	5651	0	7288	0	8925	1
741	1	2378	0	4015	0	5652	0	7289	1	8926	1
742	0	2379	0	4016	0	5653	1	7290	1	8927	0
743	0	2380	1	4017	1	5654	0	7291	1	8928	1
744	0	2381	1	4018	1	5655	1	7292	1	8929	1
745	1	2382	0	4019	1	5656	1	7293	0	8930	1
746	0	2383	0	4020	0	5657	0	7294	0	8931	1
747	1	2384	0	4021	1	5658	1	7295	1	8932	1
748	0	2385	0	4022	1	5659	0	7296	0	8933	1
749	1	2386	0	4023	1	5660	1	7297	0	8934	0
750	0	2387	1	4024	1	5661	1	7298	0	8935	0
751	1	2388	1	4025	0	5662	1	7299	0	8936	0
752	1	2389	0	4026	1	5663	0	7300	1	8937	0
753	1	2390	1	4027	1	5664	1	7301	0	8938	0
754	0	2391	1	4028	0	5665	1	7302	1	8939	0
755	1	2392	0	4029	0	5666	0	7303	1	8940	1
756	0	2393	0	4030	0	5667	1	7304	1	8941	0

757	0	2394	1	4031	0	5668	0	7305	1	8942	1
758	0	2395	1	4032	1	5669	1	7306	0	8943	1
759	0	2396	1	4033	1	5670	1	7307	0	8944	0
760	1	2397	0	4034	1	5671	1	7308	1	8945	0
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762	1	2399	0	4036	1	5673	0	7310	1	8947	0
763	0	2400	0	4037	1	5674	0	7311	1	8948	0
764	0	2401	0	4038	1	5675	1	7312	1	8949	1
765	0	2402	0	4039	0	5676	0	7313	0	8950	0
766	0	2403	1	4040	0	5677	1	7314	0	8951	1
767	1	2404	1	4041	0	5678	0	7315	1	8952	1
768	1	2405	1	4042	0	5679	0	7316	0	8953	1
769	0	2406	0	4043	0	5680	1	7317	1	8954	0
770	1	2407	1	4044	1	5681	1	7318	0	8955	1
771	1	2408	1	4045	0	5682	1	7319	0	8956	0
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774	0	2411	0	4048	0	5685	1	7322	1	8959	0
775	1	2412	1	4049	1	5686	1	7323	0	8960	0
776	1	2413	0	4050	0	5687	1	7324	0	8961	0
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778	1	2415	0	4052	0	5689	1	7326	1	8963	0
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780	0	2417	0	4054	1	5691	1	7328	0	8965	1
781	1	2418	0	4055	0	5692	1	7329	0	8966	1
782	0	2419	0	4056	1	5693	1	7330	0	8967	1
783	0	2420	0	4057	1	5694	1	7331	1	8968	1
784	0	2421	1	4058	0	5695	1	7332	1	8969	0
785	1	2422	1	4059	1	5696	0	7333	1	8970	0
786	1	2423	1	4060	1	5697	1	7334	0	8971	0
787	0	2424	1	4061	1	5698	1	7335	0	8972	1
788	0	2425	1	4062	1	5699	0	7336	1	8973	0
789	0	2426	0	4063	0	5700	0	7337	0	8974	1
790	0	2427	1	4064	1	5701	0	7338	0	8975	0
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792	1	2429	1	4066	1	5703	0	7340	1	8977	1
793	1	2430	0	4067	0	5704	0	7341	0	8978	0
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795	1	2432	1	4069	0	5706	1	7343	1	8980	1
796	1	2433	0	4070	1	5707	0	7344	1	8981	1
797	1	2434	1	4071	1	5708	0	7345	0	8982	1
798	1	2435	0	4072	1	5709	1	7346	0	8983	1
799	0	2436	0	4073	0	5710	0	7347	1	8984	1
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803	0	2440	1	4077	1	5714	0	7351	0	8988	1
804	0	2441	0	4078	0	5715	1	7352	0	8989	1
805	1	2442	1	4079	0	5716	0	7353	1	8990	0
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808	0	2445	1	4082	1	5719	1	7356	1	8993	1
809	0	2446	1	4083	1	5720	1	7357	0	8994	1
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811	0	2448	0	4085	1	5722	0	7359	1	8996	1
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816	0	2453	0	4090	0	5727	0	7364	1	9001	1
817	0	2454	0	4091	1	5728	1	7365	1	9002	0
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821	1	2458	0	4095	0	5732	0	7369	0	9006	1
822	1	2459	0	4096	1	5733	1	7370	1	9007	1
823	1	2460	0	4097	0	5734	1	7371	0	9008	0
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825	1	2462	0	4099	1	5736	1	7373	0	9010	0
826	0	2463	0	4100	0	5737	0	7374	1	9011	1
827	0	2464	0	4101	1	5738	0	7375	1	9012	0
828	1	2465	1	4102	0	5739	1	7376	1	9013	1
829	1	2466	0	4103	0	5740	0	7377	1	9014	0
830	1	2467	1	4104	0	5741	0	7378	1	9015	1
831	0	2468	1	4105	1	5742	1	7379	1	9016	1
832	1	2469	0	4106	0	5743	0	7380	1	9017	1
833	1	2470	0	4107	0	5744	0	7381	1	9018	1
834	0	2471	0	4108	1	5745	0	7382	0	9019	1
835	1	2472	1	4109	0	5746	1	7383	1	9020	1
836	1	2473	1	4110	1	5747	0	7384	0	9021	0
837	1	2474	1	4111	1	5748	0	7385	1	9022	1
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839	0	2476	1	4113	0	5750	0	7387	0	9024	0
840	0	2477	1	4114	0	5751	1	7388	0	9025	0
841	1	2478	1	4115	0	5752	1	7389	1	9026	1
842	0	2479	0	4116	1	5753	1	7390	1	9027	0
843	1	2480	1	4117	0	5754	1	7391	0	9028	1
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847	1	2484	0	4121	1	5758	0	7395	1	9032	1
848	0	2485	1	4122	1	5759	0	7396	1	9033	0
849	1	2486	1	4123	0	5760	1	7397	0	9034	0
850	0	2487	0	4124	0	5761	1	7398	1	9035	0
851	0	2488	0	4125	1	5762	1	7399	0	9036	1
852	0	2489	0	4126	0	5763	1	7400	0	9037	1
853	1	2490	0	4127	1	5764	0	7401	0	9038	1
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856	0	2493	0	4130	0	5767	0	7404	0	9041	0
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863	1	2500	1	4137	0	5774	1	7411	0	9048	1
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866	1	2503	1	4140	0	5777	1	7414	0	9051	0
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877	0	2514	1	4151	0	5788	1	7425	1	9062	0
878	0	2515	1	4152	1	5789	0	7426	1	9063	0
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880	1	2517	1	4154	0	5791	0	7428	0	9065	1
881	1	2518	0	4155	0	5792	1	7429	1	9066	1
882	0	2519	0	4156	0	5793	1	7430	0	9067	0
883	0	2520	0	4157	1	5794	0	7431	0	9068	0
884	0	2521	1	4158	1	5795	0	7432	1	9069	1
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887	1	2524	1	4161	0	5798	0	7435	0	9072	0
888	0	2525	1	4162	0	5799	1	7436	1	9073	0

889	0	2526	0	4163	0	5800	1	7437	0	9074	1
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892	1	2529	1	4166	1	5803	0	7440	0	9077	1
893	0	2530	0	4167	1	5804	0	7441	0	9078	1
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896	0	2533	0	4170	0	5807	1	7444	1	9081	1
897	0	2534	0	4171	1	5808	0	7445	1	9082	0
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907	1	2544	1	4181	0	5818	0	7455	1	9092	1
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913	0	2550	1	4187	0	5824	0	7461	0	9098	1
914	1	2551	1	4188	0	5825	0	7462	0	9099	0
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919	1	2556	0	4193	0	5830	1	7467	1	9104	0
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921	1	2558	1	4195	1	5832	0	7469	0	9106	1
922	1	2559	0	4196	1	5833	1	7470	0	9107	1
923	0	2560	0	4197	1	5834	0	7471	1	9108	0
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927	1	2564	0	4201	1	5838	1	7475	0	9112	1
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929	1	2566	0	4203	1	5840	0	7477	1	9114	0
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931	0	2568	1	4205	1	5842	1	7479	0	9116	0
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933	1	2570	0	4207	0	5844	0	7481	0	9118	1
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936	0	2573	1	4210	1	5847	1	7484	0	9121	0
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939	1	2576	0	4213	0	5850	0	7487	1	9124	1
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942	1	2579	0	4216	0	5853	1	7490	0	9127	0
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945	1	2582	1	4219	0	5856	1	7493	0	9130	0
946	0	2583	1	4220	0	5857	0	7494	0	9131	1
947	0	2584	0	4221	0	5858	1	7495	1	9132	0
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965	0	2602	1	4239	0	5876	0	7513	1	9150	0
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972	1	2609	1	4246	0	5883	0	7520	0	9157	1
973	0	2610	1	4247	0	5884	1	7521	0	9158	0
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976	1	2613	1	4250	1	5887	1	7524	0	9161	0

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982	0	2619	0	4256	0	5893	1	7530	1	9167	1
983	1	2620	0	4257	0	5894	0	7531	0	9168	0
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1267	1	2904	0	4541	0	6178	1	7815	1	9452	1
1268	0	2905	1	4542	1	6179	1	7816	0	9453	1
1269	1	2906	0	4543	0	6180	1	7817	1	9454	1
1270	1	2907	1	4544	1	6181	0	7818	1	9455	0
1271	0	2908	1	4545	1	6182	0	7819	0	9456	0
1272	0	2909	0	4546	0	6183	1	7820	1	9457	0
1273	0	2910	1	4547	1	6184	1	7821	1	9458	1
1274	1	2911	0	4548	1	6185	1	7822	1	9459	1
1275	0	2912	0	4549	1	6186	0	7823	1	9460	0
1276	1	2913	0	4550	1	6187	0	7824	0	9461	0
1277	0	2914	1	4551	0	6188	1	7825	1	9462	0
1278	0	2915	0	4552	1	6189	0	7826	0	9463	1
1279	1	2916	1	4553	0	6190	0	7827	1	9464	1
1280	1	2917	1	4554	1	6191	0	7828	0	9465	0
1281	0	2918	1	4555	1	6192	1	7829	0	9466	0
1282	0	2919	0	4556	0	6193	1	7830	0	9467	0
1283	1	2920	1	4557	1	6194	1	7831	1	9468	1
1284	1	2921	0	4558	1	6195	1	7832	0	9469	0

1285	0	2922	1	4559	0	6196	1	7833	0	9470	0
1286	1	2923	1	4560	0	6197	1	7834	1	9471	0
1287	1	2924	0	4561	0	6198	0	7835	0	9472	1
1288	1	2925	1	4562	1	6199	0	7836	0	9473	0
1289	1	2926	1	4563	1	6200	0	7837	1	9474	1
1290	1	2927	1	4564	1	6201	0	7838	1	9475	0
1291	1	2928	1	4565	0	6202	1	7839	0	9476	1
1292	1	2929	0	4566	0	6203	0	7840	1	9477	1
1293	0	2930	0	4567	0	6204	0	7841	0	9478	1
1294	0	2931	0	4568	1	6205	1	7842	0	9479	1
1295	0	2932	1	4569	0	6206	0	7843	0	9480	0
1296	1	2933	0	4570	0	6207	0	7844	0	9481	0
1297	0	2934	0	4571	1	6208	1	7845	1	9482	1
1298	1	2935	0	4572	1	6209	0	7846	0	9483	0
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1300	1	2937	1	4574	0	6211	0	7848	0	9485	1
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1304	0	2941	0	4578	0	6215	0	7852	0	9489	0
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1307	1	2944	1	4581	0	6218	0	7855	1	9492	1
1308	0	2945	1	4582	0	6219	0	7856	1	9493	0
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1310	1	2947	1	4584	0	6221	0	7858	0	9495	1
1311	0	2948	0	4585	1	6222	0	7859	1	9496	0
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1313	1	2950	0	4587	1	6224	0	7861	0	9498	1
1314	1	2951	1	4588	0	6225	0	7862	1	9499	1
1315	1	2952	1	4589	0	6226	1	7863	0	9500	0
1316	1	2953	1	4590	0	6227	0	7864	0	9501	1
1317	1	2954	1	4591	0	6228	0	7865	0	9502	1
1318	0	2955	1	4592	1	6229	1	7866	1	9503	0
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1320	0	2957	1	4594	0	6231	1	7868	1	9505	1
1321	0	2958	1	4595	0	6232	1	7869	0	9506	0
1322	0	2959	0	4596	0	6233	0	7870	1	9507	1
1323	1	2960	1	4597	1	6234	1	7871	0	9508	1
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1325	0	2962	1	4599	0	6236	1	7873	1	9510	1
1326	1	2963	1	4600	0	6237	0	7874	0	9511	0
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1328	1	2965	0	4602	1	6239	0	7876	0	9513	0

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1330	0	2967	1	4604	1	6241	0	7878	1	9515	1
1331	0	2968	0	4605	0	6242	1	7879	1	9516	0
1332	0	2969	0	4606	1	6243	0	7880	1	9517	0
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1334	1	2971	0	4608	0	6245	0	7882	1	9519	1
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1336	0	2973	1	4610	1	6247	1	7884	1	9521	1
1337	1	2974	0	4611	1	6248	0	7885	0	9522	1
1338	0	2975	0	4612	1	6249	0	7886	1	9523	0
1339	1	2976	1	4613	0	6250	0	7887	1	9524	1
1340	0	2977	1	4614	0	6251	0	7888	1	9525	1
1341	0	2978	0	4615	0	6252	1	7889	1	9526	0
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1343	0	2980	1	4617	1	6254	0	7891	0	9528	1
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1345	0	2982	1	4619	0	6256	1	7893	0	9530	1
1346	1	2983	1	4620	1	6257	0	7894	0	9531	0
1347	0	2984	0	4621	0	6258	0	7895	0	9532	1
1348	1	2985	1	4622	1	6259	0	7896	1	9533	1
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1354	1	2991	0	4628	1	6265	0	7902	1	9539	1
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1362	1	2999	1	4636	1	6273	1	7910	1	9547	0
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1364	1	3001	0	4638	1	6275	0	7912	1	9549	1
1365	0	3002	1	4639	0	6276	1	7913	1	9550	0
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1367	0	3004	1	4641	0	6278	0	7915	0	9552	0
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1373	0	3010	1	4647	0	6284	1	7921	0	9558	1
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1379	1	3016	1	4653	1	6290	0	7927	1	9564	0
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1382	1	3019	0	4656	0	6293	1	7930	0	9567	1
1383	1	3020	0	4657	1	6294	1	7931	0	9568	1
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1387	0	3024	1	4661	0	6298	0	7935	0	9572	0
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1392	0	3029	1	4666	0	6303	1	7940	0	9577	0
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1419	0	3056	1	4693	0	6330	1	7967	0	9604	1
1420	0	3057	0	4694	1	6331	1	7968	0	9605	0
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1423	0	3060	0	4697	0	6334	0	7971	1	9608	1
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1442	1	3079	1	4716	1	6353	0	7990	1	9627	0
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1473	1	3110	0	4747	1	6384	0	8021	1	9658	0
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1475	0	3112	0	4749	1	6386	0	8023	1	9660	0
1476	1	3113	1	4750	0	6387	1	8024	0	9661	1
1477	0	3114	0	4751	0	6388	0	8025	0	9662	0
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1527	1	3164	0	4801	0	6438	1	8075	0	9712	1
1528	0	3165	0	4802	0	6439	1	8076	0	9713	0
1529	1	3166	0	4803	1	6440	0	8077	0	9714	0
1530	1	3167	1	4804	1	6441	0	8078	1	9715	1
1531	0	3168	1	4805	0	6442	1	8079	0	9716	0
1532	1	3169	1	4806	0	6443	0	8080	1	9717	0
1533	1	3170	1	4807	0	6444	1	8081	1	9718	0
1534	1	3171	1	4808	0	6445	0	8082	0	9719	1
1535	1	3172	0	4809	1	6446	0	8083	1	9720	0
1536	1	3173	1	4810	1	6447	1	8084	0	9721	1
1537	1	3174	0	4811	1	6448	0	8085	1	9722	0
1538	1	3175	0	4812	1	6449	0	8086	1	9723	1
1539	1	3176	1	4813	0	6450	0	8087	0	9724	0
1540	1	3177	0	4814	0	6451	0	8088	1	9725	1
1541	0	3178	1	4815	1	6452	0	8089	1	9726	0
1542	1	3179	0	4816	0	6453	1	8090	0	9727	1
1543	0	3180	1	4817	0	6454	1	8091	0	9728	1
1544	0	3181	0	4818	1	6455	1	8092	1	9729	1
1545	0	3182	0	4819	1	6456	0	8093	0	9730	1
1546	0	3183	1	4820	1	6457	1	8094	1	9731	0
1547	1	3184	1	4821	0	6458	1	8095	1	9732	1
1548	1	3185	0	4822	0	6459	0	8096	1	9733	1

1549	0	3186	0	4823	0	6460	1	8097	1	9734	1
1550	0	3187	0	4824	1	6461	0	8098	1	9735	0
1551	0	3188	0	4825	0	6462	0	8099	0	9736	0
1552	1	3189	0	4826	0	6463	1	8100	0	9737	0
1553	0	3190	0	4827	0	6464	1	8101	0	9738	1
1554	1	3191	0	4828	1	6465	1	8102	0	9739	1
1555	1	3192	0	4829	0	6466	1	8103	1	9740	0
1556	1	3193	0	4830	1	6467	1	8104	0	9741	1
1557	1	3194	1	4831	1	6468	0	8105	0	9742	1
1558	0	3195	0	4832	0	6469	0	8106	0	9743	0
1559	1	3196	0	4833	0	6470	0	8107	1	9744	0
1560	0	3197	0	4834	0	6471	0	8108	0	9745	0
1561	0	3198	0	4835	0	6472	0	8109	0	9746	0
1562	0	3199	0	4836	1	6473	1	8110	0	9747	0
1563	0	3200	1	4837	1	6474	0	8111	0	9748	0
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1565	0	3202	1	4839	0	6476	0	8113	0	9750	1
1566	1	3203	1	4840	0	6477	0	8114	0	9751	0
1567	1	3204	1	4841	0	6478	0	8115	0	9752	0
1568	0	3205	1	4842	0	6479	1	8116	1	9753	0
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1570	0	3207	1	4844	0	6481	0	8118	0	9755	1
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1573	0	3210	1	4847	1	6484	0	8121	1	9758	1
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1575	0	3212	0	4849	1	6486	0	8123	1	9760	1
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1584	0	3221	1	4858	1	6495	0	8132	1	9769	0
1585	1	3222	0	4859	0	6496	1	8133	1	9770	1
1586	0	3223	0	4860	0	6497	1	8134	0	9771	1
1587	0	3224	0	4861	0	6498	0	8135	1	9772	0
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1602	1	3239	1	4876	0	6513	1	8150	1	9787	1
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1609	0	3246	1	4883	1	6520	1	8157	1	9794	0
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1611	1	3248	1	4885	0	6522	1	8159	0	9796	1
1612	1	3249	1	4886	1	6523	1	8160	1	9797	0
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1614	0	3251	0	4888	0	6525	1	8162	0	9799	0
1615	0	3252	0	4889	1	6526	1	8163	0	9800	0
1616	0	3253	1	4890	0	6527	0	8164	0	9801	0
1617	1	3254	0	4891	0	6528	1	8165	0	9802	0
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1619	1	3256	1	4893	0	6530	1	8167	1	9804	0
1620	1	3257	0	4894	0	6531	1	8168	0	9805	1
1621	0	3258	1	4895	1	6532	0	8169	1	9806	0
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1627	0	3264	1	4901	0	6538	0	8175	1	9812	1
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1635	1	3272	1	4909	0	6546	0	8183	1		
1636	1	3273	1	4910	0	6547	1	8184	1		

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