

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

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

1. INTRODUCTION

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

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

as the limit of the finite continued fractions

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

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

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

admits a continued fraction expansion of form (1.1).

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

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

that we shall denote

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

Date: 9/04/2020 19:08:42 .

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

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

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

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

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

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{16} + z^{15} + z^{14} + z^{12} + z^{10} + z^5 + z^4 + z^3 + z^2 + 1, \\ p_1(z) &= z^{26} + z^{25} + z^{22} + z^{19} + z^{16} + z^{14} + z^{10} + z^9 + z^8 + z^7 + z^6 + z^2, \\ p_2(z) &= z^{28} + z^{24} + z^{22} + z^{14} + z^4, \\ p_3(z) &= z^{26} + z^{25} + z^{22} + z^{19} + z^{16} + z^{14} + z^{10} + z^9 + z^8 + z^7 + z^6 + z^2, \\ p_4(z) &= z^{24} + z^{22} + z^{21} + z^{20} + z^{15} + z^{10} + z^8 + z^5 + z^4 + z^3 + z^2, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{15} + z^{14} + z^{12} + z^{10} + z^5 + z^3 + z^2, \\ p_1(z) &= z^{26} + z^{25} + z^{22} + z^{19} + z^{16} + z^{14} + z^{10} + z^9 + z^8 + z^7 + z^6 + z^2, \\ p_2(z) &= z^{28} + z^{24} + z^{22} + z^{14} + z^4, \\ p_3(z) &= z^{26} + z^{25} + z^{22} + z^{19} + z^{16} + z^{14} + z^{10} + z^9 + z^8 + z^7 + z^6 + z^2, \\ p_4(z) &= z^{24} + z^{22} + z^{21} + z^{16} + z^{15} + z^{10} + z^8 + z^5 + z^3 + z^2 + 1. \end{aligned}$$

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.*

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

$$\begin{aligned}
& + x^{9u}W^e[:5u] + x^{11u}W^e[:3u] + x^{13u}W^e[:u] \\
& + (x^{7u} + x^{12u} + x^{13u})R^e.
\end{aligned}$$

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

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

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

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

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

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

which can be rewritten as

$$(2.7) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[111w]_2],$$

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

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

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

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

$$(2.12) \quad 0 = T[[w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1100w]_2],$$

$$(2.13) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[100w]_2] + T[[1101w]_2],$$

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

$$(2.14) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[111w]_2],$$

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

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

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

$$(2.18) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[101w]_2] + T[[110w]_2] \\ + T[[1011w]_2],$$

$$(2.19) \quad 0 = T[[w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1100w]_2],$$

$$(2.20) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[100w]_2] + T[[1101w]_2],$$

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 11134 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

$$(2.21) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 111)),$$

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

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

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

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 101))$$

$$(2.25) \quad + \tau(A(s, 110)) + \tau(A(s, 1011)),$$

$$(2.26) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 1100)),$$

$$(2.27) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 1101)),$$

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

$$(2.28) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 111)),$$

$$(2.29) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 1000)),$$

$$(2.30) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 1001)),$$

$$(2.31) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\ + \tau(A(s, 1010)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 101))$$

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

$$(2.33) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 1100)),$$

$$(2.34) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 1101)),$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{44}), E_{44}) = (A(i, 0^{24}), E_{24})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 22$, 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 $u = 2^{2k-1}$,*

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

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

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

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

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

We give the proof of

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

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

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

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

$$W^e[:14v]M^e[:14v] + x^{10v}W^e[:4v]M^e[:4v] + x^{12v}W^e[:2v]M^e[:2v].$$

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

$$\begin{aligned}q_0(x) &= x^{28} + x^{26} + x^{25} + x^{24} + x^{23} + x^{18} + x^{16} + x^{14} + x^{13} + x^{12} + x^7, \\ q_1(x) &= x^{26} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{14} + x^{12} + x^9 + x^6 + x^3 + x^2, \\ q_2(x) &= x^{24} + x^{14} + x^6 + x^4 + 1, \\ q_3(x) &= x^{26} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{14} + x^{12} + x^9 + x^6 + x^3 + x^2, \\ q_4(x) &= x^{26} + x^{25} + x^{24} + x^{23} + x^{20} + x^{18} + x^{13} + x^8 + x^7 + x^6 + x^4.\end{aligned}$$

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

3. ANNEXE

All 16 polynomials are of the form

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

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

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

$$\begin{aligned}p_0(x) &= x^{138} + x^{136} + x^{134} + x^{130} + x^{126} + x^{122} + x^{120} + x^{112} + x^{110} + x^{108} \\ &\quad + x^{106} + x^{104} + x^{102} + x^{98} + x^{96} + x^{94} + x^{88} + x^{82} + x^{76} + x^{70} + x^{68} \\ &\quad + x^{60} + x^{58} + x^{52} + x^{48} + x^{44} + x^{42} + x^{30} + x^{28} + x^{26} + x^{24},\end{aligned}$$

$$\begin{aligned}
p_3(x) &= x^{132} + x^{126} + x^{124} + x^{122} + x^{120} + x^{110} + x^{108} + x^{102} + x^{100} + x^{98} \\
&\quad + x^{96} + x^{94} + x^{90} + x^{88} + x^{80} + x^{78} + x^{74} + x^{72} + x^{70} + x^{66} + x^{64} \\
&\quad + x^{58} + x^{56} + x^{50} + x^{48} + x^{46} + x^{32} + x^{30} + x^{28} + x^{26} + x^{20} + x^{16}, \\
p_6(x) &= x^{132} + x^{130} + x^{128} + x^{126} + x^{120} + x^{116} + x^{108} + x^{106} + x^{94} + x^{92} \\
&\quad + x^{82} + x^{78} + x^{74} + x^{72} + x^{62} + x^{60} + x^{58} + x^{52} + x^{50} + x^{48} + x^{46} \\
&\quad + x^{44} + x^{42} + x^{40} + x^{38} + x^{36} + x^{30} + x^{24} + x^{22} + x^{20} + x^{18} + x^{16} \\
&\quad + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4 + x^2 + 1, \\
p_9(x) &= x^{134} + x^{128} + x^{126} + x^{124} + x^{122} + x^{120} + x^{116} + x^{110} + x^{104} + x^{102} \\
&\quad + x^{98} + x^{94} + x^{88} + x^{78} + x^{74} + x^{68} + x^{66} + x^{58} + x^{52} + x^{50} + x^{48} \\
&\quad + x^{46} + x^{42} + x^{38} + x^{34} + x^{30} + x^{28} + x^{16} + x^{14} + x^4, \\
p_{12}(x) &= x^{134} + x^{130} + x^{128} + x^{126} + x^{122} + x^{120} + x^{110} + x^{106} + x^{104} + x^{94} \\
&\quad + x^{90} + x^{88} + x^{78} + x^{74} + x^{72} + x^{62} + x^{58} + x^{56} + x^{46} + x^{42} + x^{40} \\
&\quad + x^{38} + x^{34} + x^{32} + x^{22} + x^{18} + x^{16} + x^{14} + x^{10} + x^8 + x^6 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{133} \\
&\quad + x^{132} + x^{130} + x^{129} + x^{124} + x^{123} + x^{121} + x^{119} + x^{118} + x^{117} \\
&\quad + x^{115} + x^{108} + x^{107} + x^{105} + x^{103} + x^{102} + x^{97} + x^{96} + x^{95} + x^{93} \\
&\quad + x^{91} + x^{90} + x^{89} + x^{86} + x^{85} + x^{82} + x^{79} + x^{76} + x^{75} + x^{73} + x^{71} \\
&\quad + x^{68} + x^{67} + x^{66} + x^{62} + x^{61} + x^{60} + x^{58} + x^{57} + x^{54} + x^{51} + x^{49} \\
&\quad + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{143} + x^{142} + x^{139} + x^{138} + x^{133} + x^{132} + x^{129} + x^{128} + x^{125} + x^{124} \\
&\quad + x^{123} + x^{122} + x^{121} + x^{120} + x^{115} + x^{114} + x^{111} + x^{110} + x^{107} \\
&\quad + x^{106} + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{89} + x^{88} \\
&\quad + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{80} + x^{79} + x^{78} + x^{63} + x^{62} + x^{61} \\
&\quad + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} + x^{49} + x^{48} \\
&\quad + x^{47} + x^{46} + x^{29} + x^{28} + x^{25} + x^{24} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{140} + x^{137} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{126} + x^{125} \\
&\quad + x^{121} + x^{117} + x^{115} + x^{114} + x^{113} + x^{110} + x^{108} + x^{107} + x^{106} \\
&\quad + x^{103} + x^{99} + x^{97} + x^{96} + x^{94} + x^{93} + x^{91} + x^{90} + x^{89} + x^{87} + x^{84} \\
&\quad + x^{82} + x^{81} + x^{80} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} + x^{68} + x^{65} \\
&\quad + x^{64} + x^{60} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{48} + x^{47} + x^{43} + x^{41} \\
&\quad + x^{40} + x^{38} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} + x^{29} + x^{28} + x^{26} + x^{25} \\
&\quad + x^{23} + x^{22} + x^{21} + x^{19} + x^{17} + x^{14} + x^{12}, \\
p_9(x) &= x^{139} + x^{138} + x^{135} + x^{134} + x^{127} + x^{126} + x^{125} + x^{124} + x^{121} + x^{120}
\end{aligned}$$

$$\begin{aligned}
& + x^{115} + x^{114} + x^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{99} + x^{98} + x^{95} + x^{94} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} \\
& + x^{81} + x^{80} + x^{75} + x^{74} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} \\
& + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} \\
& + x^{49} + x^{48} + x^{45} + x^{44} + x^{37} + x^{36} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} \\
& + x^{13} + x^{12} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{133} + x^{128} + x^{121} + x^{120} + x^{116} + x^{105} + x^{104} + x^{100} \\
& + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{57} + x^{56} + x^{52} + x^{37} + x^{36} \\
& + x^{32} + x^{25} + x^{24} + x^{21} + x^{16} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{144} + x^{142} + x^{140} + x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{133} \\
& + x^{132} + x^{130} + x^{129} + x^{124} + x^{123} + x^{121} + x^{119} + x^{118} + x^{117} \\
& + x^{115} + x^{108} + x^{107} + x^{105} + x^{103} + x^{102} + x^{97} + x^{96} + x^{95} + x^{93} \\
& + x^{91} + x^{90} + x^{89} + x^{86} + x^{85} + x^{82} + x^{79} + x^{76} + x^{75} + x^{73} + x^{71} \\
& + x^{68} + x^{67} + x^{66} + x^{62} + x^{61} + x^{60} + x^{58} + x^{57} + x^{54} + x^{51} + x^{49} \\
& + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{143} + x^{142} + x^{139} + x^{138} + x^{133} + x^{132} + x^{129} + x^{128} + x^{125} + x^{124} \\
& + x^{123} + x^{122} + x^{121} + x^{120} + x^{115} + x^{114} + x^{111} + x^{110} + x^{107} \\
& + x^{106} + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{89} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{80} + x^{79} + x^{78} + x^{63} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} + x^{49} + x^{48} \\
& + x^{47} + x^{46} + x^{29} + x^{28} + x^{25} + x^{24} + x^{19} + x^{18}, \\
p_6(x) = & x^{141} + x^{140} + x^{137} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{126} + x^{125} \\
& + x^{121} + x^{117} + x^{115} + x^{114} + x^{113} + x^{110} + x^{108} + x^{107} + x^{106} \\
& + x^{103} + x^{99} + x^{97} + x^{96} + x^{94} + x^{93} + x^{91} + x^{90} + x^{89} + x^{87} + x^{84} \\
& + x^{82} + x^{81} + x^{80} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} + x^{68} + x^{65} \\
& + x^{64} + x^{60} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{48} + x^{47} + x^{43} + x^{41} \\
& + x^{40} + x^{38} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} + x^{29} + x^{28} + x^{26} + x^{25} \\
& + x^{23} + x^{22} + x^{21} + x^{19} + x^{17} + x^{14} + x^{12}, \\
p_9(x) = & x^{139} + x^{138} + x^{135} + x^{134} + x^{127} + x^{126} + x^{125} + x^{124} + x^{121} + x^{120} \\
& + x^{115} + x^{114} + x^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{99} + x^{98} + x^{95} + x^{94} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} \\
& + x^{81} + x^{80} + x^{75} + x^{74} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65}
\end{aligned}$$

$$\begin{aligned}
& + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} \\
& + x^{49} + x^{48} + x^{45} + x^{44} + x^{37} + x^{36} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} \\
& + x^{13} + x^{12} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{133} + x^{128} + x^{121} + x^{120} + x^{116} + x^{105} + x^{104} + x^{100} \\
& + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{57} + x^{56} + x^{52} + x^{37} + x^{36} \\
& + x^{32} + x^{25} + x^{24} + x^{21} + x^{16} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{154} + x^{148} + x^{146} + x^{144} + x^{128} + x^{126} + x^{122} + x^{120} + x^{118} \\
& + x^{116} + x^{114} + x^{112} + x^{108} + x^{106} + x^{104} + x^{96} + x^{94} + x^{90} + x^{80} \\
& + x^{78} + x^{72} + x^{70} + x^{68} + x^{60} + x^{56} + x^{54} + x^{50} + x^{46} + x^{44} + x^{42}, \\
p_3(x) = & x^{144} + x^{142} + x^{140} + x^{138} + x^{136} + x^{134} + x^{132} + x^{130} + x^{116} + x^{114} \\
& + x^{112} + x^{110} + x^{108} + x^{106} + x^{104} + x^{100} + x^{98} + x^{96} + x^{94} + x^{92} \\
& + x^{90} + x^{84} + x^{82} + x^{76} + x^{72} + x^{70} + x^{64} + x^{62} + x^{54} + x^{52} + x^{50} \\
& + x^{46} + x^{40} + x^{26} + x^{18} + x^{12}, \\
p_6(x) = & x^{144} + x^{142} + x^{136} + x^{134} + x^{132} + x^{130} + x^{128} + x^{124} + x^{120} + x^{116} \\
& + x^{110} + x^{104} + x^{102} + x^{98} + x^{96} + x^{88} + x^{84} + x^{78} + x^{76} + x^{74} + x^{72} \\
& + x^{68} + x^{66} + x^{64} + x^{58} + x^{54} + x^{52} + x^{48} + x^{38} + x^{34} + x^{30} + x^{28} \\
& + x^{22} + x^{20} + x^{12} + x^8 + x^2 + 1, \\
p_9(x) = & x^{140} + x^{138} + x^{134} + x^{130} + x^{128} + x^{126} + x^{124} + x^{120} + x^{116} + x^{112} \\
& + x^{110} + x^{98} + x^{90} + x^{84} + x^{76} + x^{72} + x^{68} + x^{66} + x^{64} + x^{54} + x^{52} \\
& + x^{50} + x^{48} + x^{46} + x^{44} + x^{42} + x^{38} + x^{36} + x^{34} + x^{32} + x^{30} + x^{22} \\
& + x^8 + x^4, \\
p_{12}(x) = & x^{140} + x^{138} + x^{136} + x^{116} + x^{114} + x^{112} + x^{100} + x^{98} + x^{96} + x^{84} \\
& + x^{82} + x^{80} + x^{68} + x^{66} + x^{64} + x^{52} + x^{50} + x^{48} + x^{44} + x^{42} + x^{40} \\
& + x^{36} + x^{34} + x^{32} + x^{28} + x^{26} + x^{24} + x^{12} + x^{10} + x^8 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{154} + x^{134} + x^{132} + x^{128} + x^{122} + x^{118} + x^{114} + x^{100} + x^{98} \\
& + x^{94} + x^{88} + x^{86} + x^{84} + x^{82} + x^{74} + x^{70} + x^{68} + x^{66} + x^{64} + x^{48} \\
& + x^{46} + x^{44} + x^{42} + x^{38} + x^{36} + x^{34} + x^{26} + x^{24}, \\
p_3(x) = & x^{144} + x^{142} + x^{140} + x^{138} + x^{130} + x^{128} + x^{124} + x^{122} + x^{120} + x^{114} \\
& + x^{106} + x^{104} + x^{102} + x^{100} + x^{88} + x^{86} + x^{80} + x^{78} + x^{74} + x^{68} \\
& + x^{66} + x^{60} + x^{58} + x^{54} + x^{52} + x^{36} + x^{34} + x^{30} + x^{26} + x^{24} + x^{20}
\end{aligned}$$

$$\begin{aligned}
& + x^{16}, \\
p_6(x) &= x^{144} + x^{142} + x^{132} + x^{128} + x^{122} + x^{110} + x^{102} + x^{100} + x^{96} + x^{90} \\
& + x^{86} + x^{84} + x^{80} + x^{78} + x^{76} + x^{70} + x^{68} + x^{66} + x^{54} + x^{52} + x^{50} \\
& + x^{44} + x^{40} + x^{38} + x^{36} + x^{26} + x^{24} + x^{16} + x^{14} + x^{10} + x^2 + 1, \\
p_9(x) &= x^{140} + x^{138} + x^{134} + x^{130} + x^{128} + x^{126} + x^{124} + x^{120} + x^{116} + x^{112} \\
& + x^{110} + x^{98} + x^{90} + x^{84} + x^{76} + x^{72} + x^{68} + x^{66} + x^{64} + x^{54} + x^{52} \\
& + x^{50} + x^{48} + x^{46} + x^{44} + x^{42} + x^{38} + x^{36} + x^{34} + x^{32} + x^{30} + x^{22} \\
& + x^8 + x^4, \\
p_{12}(x) &= x^{140} + x^{138} + x^{136} + x^{116} + x^{114} + x^{112} + x^{100} + x^{98} + x^{96} + x^{84} \\
& + x^{82} + x^{80} + x^{68} + x^{66} + x^{64} + x^{52} + x^{50} + x^{48} + x^{44} + x^{42} + x^{40} \\
& + x^{36} + x^{34} + x^{32} + x^{28} + x^{26} + x^{24} + x^{12} + x^{10} + x^8 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{141} + x^{140} + x^{136} + x^{134} + x^{131} + x^{130} + x^{128} + x^{127} \\
& + x^{126} + x^{123} + x^{122} + x^{121} + x^{118} + x^{116} + x^{114} + x^{112} + x^{110} \\
& + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} + x^{103} + x^{99} + x^{98} + x^{97} + x^{94} \\
& + x^{93} + x^{91} + x^{88} + x^{86} + x^{83} + x^{80} + x^{79} + x^{77} + x^{75} + x^{69} + x^{67} \\
& + x^{66} + x^{63} + x^{62} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{49} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{38} + x^{36} + x^{34} + x^{33}, \\
p_3(x) &= x^{143} + x^{142} + x^{139} + x^{138} + x^{133} + x^{132} + x^{129} + x^{128} + x^{125} + x^{124} \\
& + x^{123} + x^{122} + x^{121} + x^{120} + x^{115} + x^{114} + x^{111} + x^{110} + x^{107} \\
& + x^{106} + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{89} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{80} + x^{79} + x^{78} + x^{63} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} + x^{49} + x^{48} \\
& + x^{47} + x^{46} + x^{29} + x^{28} + x^{25} + x^{24} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{140} + x^{137} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{126} + x^{125} \\
& + x^{121} + x^{117} + x^{115} + x^{114} + x^{113} + x^{110} + x^{108} + x^{107} + x^{106} \\
& + x^{103} + x^{99} + x^{97} + x^{96} + x^{94} + x^{93} + x^{91} + x^{90} + x^{89} + x^{87} + x^{84} \\
& + x^{82} + x^{81} + x^{80} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} + x^{68} + x^{65} \\
& + x^{64} + x^{60} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{48} + x^{47} + x^{43} + x^{41} \\
& + x^{40} + x^{38} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} + x^{29} + x^{28} + x^{26} + x^{25} \\
& + x^{23} + x^{22} + x^{21} + x^{19} + x^{17} + x^{14} + x^{12}, \\
p_9(x) &= x^{139} + x^{138} + x^{135} + x^{134} + x^{127} + x^{126} + x^{125} + x^{124} + x^{121} + x^{120} \\
& + x^{115} + x^{114} + x^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{99} + x^{98} + x^{95} + x^{94} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86}
\end{aligned}$$

$$\begin{aligned}
& + x^{81} + x^{80} + x^{75} + x^{74} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} \\
& + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} \\
& + x^{49} + x^{48} + x^{45} + x^{44} + x^{37} + x^{36} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} \\
& + x^{13} + x^{12} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{133} + x^{128} + x^{121} + x^{120} + x^{116} + x^{105} + x^{104} + x^{100} \\
& + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{57} + x^{56} + x^{52} + x^{37} + x^{36} \\
& + x^{32} + x^{25} + x^{24} + x^{21} + x^{16} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{141} + x^{140} + x^{136} + x^{134} + x^{131} + x^{130} + x^{128} + x^{127} \\
& + x^{126} + x^{123} + x^{122} + x^{121} + x^{118} + x^{116} + x^{114} + x^{112} + x^{110} \\
& + x^{109} + x^{108} + x^{107} + x^{105} + x^{104} + x^{103} + x^{99} + x^{98} + x^{97} + x^{94} \\
& + x^{93} + x^{91} + x^{88} + x^{86} + x^{83} + x^{80} + x^{79} + x^{77} + x^{75} + x^{69} + x^{67} \\
& + x^{66} + x^{63} + x^{62} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{49} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{38} + x^{36} + x^{34} + x^{33}, \\
p_3(x) = & x^{143} + x^{142} + x^{139} + x^{138} + x^{133} + x^{132} + x^{129} + x^{128} + x^{125} + x^{124} \\
& + x^{123} + x^{122} + x^{121} + x^{120} + x^{115} + x^{114} + x^{111} + x^{110} + x^{107} \\
& + x^{106} + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{89} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{80} + x^{79} + x^{78} + x^{63} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} + x^{49} + x^{48} \\
& + x^{47} + x^{46} + x^{29} + x^{28} + x^{25} + x^{24} + x^{19} + x^{18}, \\
p_6(x) = & x^{141} + x^{140} + x^{137} + x^{132} + x^{131} + x^{130} + x^{129} + x^{128} + x^{126} + x^{125} \\
& + x^{121} + x^{117} + x^{115} + x^{114} + x^{113} + x^{110} + x^{108} + x^{107} + x^{106} \\
& + x^{103} + x^{99} + x^{97} + x^{96} + x^{94} + x^{93} + x^{91} + x^{90} + x^{89} + x^{87} + x^{84} \\
& + x^{82} + x^{81} + x^{80} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} + x^{68} + x^{65} \\
& + x^{64} + x^{60} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{48} + x^{47} + x^{43} + x^{41} \\
& + x^{40} + x^{38} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} + x^{29} + x^{28} + x^{26} + x^{25} \\
& + x^{23} + x^{22} + x^{21} + x^{19} + x^{17} + x^{14} + x^{12}, \\
p_9(x) = & x^{139} + x^{138} + x^{135} + x^{134} + x^{127} + x^{126} + x^{125} + x^{124} + x^{121} + x^{120} \\
& + x^{115} + x^{114} + x^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{99} + x^{98} + x^{95} + x^{94} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} \\
& + x^{81} + x^{80} + x^{75} + x^{74} + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} \\
& + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} \\
& + x^{49} + x^{48} + x^{45} + x^{44} + x^{37} + x^{36} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27}
\end{aligned}$$

$$\begin{aligned}
& + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} \\
& + x^{13} + x^{12} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{133} + x^{128} + x^{121} + x^{120} + x^{116} + x^{105} + x^{104} + x^{100} \\
& + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{57} + x^{56} + x^{52} + x^{37} + x^{36} \\
& + x^{32} + x^{25} + x^{24} + x^{21} + x^{16} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{138} + x^{136} + x^{126} + x^{110} + x^{106} + x^{98} + x^{96} + x^{92} + x^{88} + x^{86} + x^{84} \\
& + x^{80} + x^{78} + x^{76} + x^{66} + x^{62} + x^{60} + x^{58} + x^{56} + x^{52} + x^{50} + x^{48} \\
& + x^{42}, \\
p_3(x) = & x^{132} + x^{130} + x^{122} + x^{118} + x^{112} + x^{110} + x^{108} + x^{100} + x^{98} + x^{90} \\
& + x^{80} + x^{70} + x^{68} + x^{64} + x^{60} + x^{58} + x^{56} + x^{50} + x^{48} + x^{46} + x^{34} \\
& + x^{32} + x^{24} + x^{18} + x^{16} + x^{12}, \\
p_6(x) = & x^{132} + x^{128} + x^{126} + x^{124} + x^{122} + x^{120} + x^{116} + x^{114} + x^{108} + x^{100} \\
& + x^{96} + x^{94} + x^{92} + x^{90} + x^{78} + x^{76} + x^{68} + x^{66} + x^{62} + x^{50} + x^{46} \\
& + x^{42} + x^{38} + x^{34} + x^{32} + x^{30} + x^{22} + x^{20} + x^{14} + x^{12} + x^6 + x^4 + x^2 \\
& + 1, \\
p_9(x) = & x^{134} + x^{128} + x^{126} + x^{124} + x^{122} + x^{120} + x^{116} + x^{110} + x^{104} + x^{102} \\
& + x^{98} + x^{94} + x^{88} + x^{78} + x^{74} + x^{68} + x^{66} + x^{58} + x^{52} + x^{50} + x^{48} \\
& + x^{46} + x^{42} + x^{38} + x^{34} + x^{30} + x^{28} + x^{16} + x^{14} + x^4, \\
p_{12}(x) = & x^{134} + x^{130} + x^{128} + x^{126} + x^{122} + x^{120} + x^{110} + x^{106} + x^{104} + x^{94} \\
& + x^{90} + x^{88} + x^{78} + x^{74} + x^{72} + x^{62} + x^{58} + x^{56} + x^{46} + x^{42} + x^{40} \\
& + x^{38} + x^{34} + x^{32} + x^{22} + x^{18} + x^{16} + x^{14} + x^{10} + x^8 + x^6 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{136} + x^{134} \\
& + x^{129} + x^{127} + x^{124} + x^{123} + x^{120} + x^{118} + x^{111} + x^{108} + x^{107} \\
& + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{97} + x^{96} + x^{95} + x^{94} + x^{92} \\
& + x^{91} + x^{90} + x^{87} + x^{86} + x^{85} + x^{83} + x^{82} + x^{79} + x^{77} + x^{76} + x^{75} \\
& + x^{74} + x^{71} + x^{68} + x^{65} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
& + x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{43} + x^{41} + x^{36} + x^{34} + x^{32} + x^{31} \\
& + x^{29} + x^{28} + x^{24}, \\
p_3(x) = & x^{145} + x^{144} + x^{143} + x^{140} + x^{132} + x^{129} + x^{123} + x^{121} + x^{119} + x^{116} \\
& + x^{115} + x^{114} + x^{109} + x^{108} + x^{106} + x^{105} + x^{99} + x^{98} + x^{96} + x^{92} \\
& + x^{91} + x^{90} + x^{88} + x^{85} + x^{79} + x^{75} + x^{71} + x^{66} + x^{63} + x^{61} + x^{55}
\end{aligned}$$

$$\begin{aligned}
& + x^{53} + x^{50} + x^{47} + x^{45} + x^{44} + x^{42} + x^{41} + x^{37} + x^{32} + x^{29} + x^{27} \\
& + x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{16}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{140} + x^{135} + x^{133} + x^{129} + x^{128} + x^{124} + x^{123} \\
& + x^{117} + x^{115} + x^{114} + x^{108} + x^{105} + x^{104} + x^{100} + x^{97} + x^{91} + x^{90} \\
& + x^{89} + x^{88} + x^{86} + x^{82} + x^{81} + x^{80} + x^{79} + x^{75} + x^{72} + x^{71} + x^{66} \\
& + x^{58} + x^{56} + x^{51} + x^{50} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{39} + x^{38} \\
& + x^{36} + x^{35} + x^{30} + x^{29} + x^{27} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{18} \\
& + x^{15} + x^{13} + x^{12} + x^8 + x^5 + x^4 + 1, \\
p_9(x) = & x^{145} + x^{144} + x^{141} + x^{136} + x^{49} + x^{48} + x^{45} + x^{40} + x^{33} + x^{32} + x^{29} \\
& + x^{24} + x^{17} + x^{16} + x^{13} + x^8, \\
p_{12}(x) = & x^{145} + x^{144} + x^{141} + x^{137} + x^{133} + x^{128} + x^{121} + x^{120} + x^{116} + x^{105} \\
& + x^{104} + x^{100} + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{57} + x^{56} + x^{52} \\
& + x^{49} + x^{48} + x^{45} + x^{40} + x^{37} + x^{36} + x^{33} + x^{29} + x^{25} + x^{21} + x^{17} \\
& + x^{13} + x^8 + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{160} + x^{156} + x^{153} + x^{152} + x^{151} + x^{144} + x^{143} + x^{138} + x^{137} + x^{134} \\
& + x^{133} + x^{131} + x^{129} + x^{127} + x^{126} + x^{122} + x^{121} + x^{119} + x^{112} \\
& + x^{111} + x^{108} + x^{107} + x^{105} + x^{103} + x^{100} + x^{98} + x^{95} + x^{92} + x^{91} \\
& + x^{90} + x^{88} + x^{84} + x^{83} + x^{82} + x^{79} + x^{76} + x^{74} + x^{68} + x^{65} + x^{64} \\
& + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{56} + x^{54} + x^{52} + x^{50} + x^{47} + x^{46} \\
& + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{146} + x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{135} + x^{134} + x^{133} + x^{128} \\
& + x^{127} + x^{126} + x^{125} + x^{124} + x^{120} + x^{118} + x^{115} + x^{109} + x^{108} \\
& + x^{107} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{98} + x^{96} + x^{95} + x^{94} \\
& + x^{91} + x^{89} + x^{88} + x^{87} + x^{84} + x^{82} + x^{81} + x^{80} + x^{77} + x^{75} + x^{74} \\
& + x^{73} + x^{70} + x^{68} + x^{67} + x^{63} + x^{58} + x^{57} + x^{56} + x^{55} + x^{52} + x^{50} \\
& + x^{49} + x^{48} + x^{45} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{34} + x^{31} \\
& + x^{29} + x^{28} + x^{27} + x^{26} + x^{24} + x^{22} + x^{19} + x^{18}, \\
p_6(x) = & x^{148} + x^{144} + x^{140} + x^{138} + x^{136} + x^{130} + x^{126} + x^{124} + x^{122} + x^{120} \\
& + x^{108} + x^{104} + x^{100} + x^{98} + x^{90} + x^{88} + x^{84} + x^{76} + x^{74} + x^{70} + x^{68} \\
& + x^{64} + x^{62} + x^{58} + x^{52} + x^{50} + x^{44} + x^{42} + x^{40} + x^{36} + x^{34} + x^{30} \\
& + x^{24} + x^{22} + x^{14} + x^{12}, \\
p_9(x) = & x^{150} + x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{139} + x^{133} + x^{132} + x^{131} \\
& + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122}
\end{aligned}$$

$$\begin{aligned}
& + x^{121} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} \\
& + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{83} \\
& + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} \\
& + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{55} + x^{53} + x^{52} + x^{51} + x^{50} + x^{46} \\
& + x^{42} + x^{41} + x^{40} + x^{39} + x^{33} + x^{32} + x^{31} + x^{29} + x^{28} + x^{27} + x^{22} \\
& + x^{21} + x^{20} + x^{19} + x^{18} + x^{14} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{152} + x^{148} + x^{140} + x^{120} + x^{116} + x^{112} + x^{104} + x^{100} + x^{96} + x^{88} \\
& + x^{84} + x^{80} + x^{72} + x^{68} + x^{64} + x^{48} + x^{44} + x^{32} + x^{28} + x^{24} + x^{20} \\
& + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{144} + x^{141} + x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{133} + x^{132} + x^{131} \\
& + x^{128} + x^{126} + x^{125} + x^{124} + x^{122} + x^{120} + x^{118} + x^{117} + x^{116} \\
& + x^{115} + x^{114} + x^{110} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{96} + x^{94} + x^{93} + x^{92} + x^{90} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} \\
& + x^{80} + x^{76} + x^{75} + x^{74} + x^{73} + x^{69} + x^{67} + x^{66} + x^{65} + x^{63} + x^{61} \\
& + x^{59} + x^{58} + x^{57} + x^{55} + x^{52} + x^{51} + x^{49} + x^{48} + x^{45} + x^{42} + x^{41} \\
& + x^{40} + x^{38} + x^{37} + x^{36} + x^{34} + x^{33}, \\
p_3(x) = & x^{142} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{132} + x^{127} + x^{125} + x^{124} \\
& + x^{123} + x^{122} + x^{120} + x^{118} + x^{115} + x^{114} + x^{110} + x^{106} + x^{105} \\
& + x^{104} + x^{103} + x^{102} + x^{100} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{89} \\
& + x^{87} + x^{86} + x^{84} + x^{83} + x^{81} + x^{80} + x^{77} + x^{75} + x^{73} + x^{69} + x^{64} \\
& + x^{63} + x^{61} + x^{60} + x^{58} + x^{57} + x^{55} + x^{54} + x^{52} + x^{51} + x^{49} + x^{48} \\
& + x^{45} + x^{43} + x^{41} + x^{37} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{24} + x^{22} \\
& + x^{19} + x^{18}, \\
p_6(x) = & x^{144} + x^{134} + x^{130} + x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{114} + x^{108} \\
& + x^{102} + x^{100} + x^{92} + x^{82} + x^{80} + x^{78} + x^{74} + x^{72} + x^{70} + x^{64} + x^{60} \\
& + x^{58} + x^{56} + x^{52} + x^{50} + x^{48} + x^{46} + x^{44} + x^{24} + x^{20} + x^{14} + x^{12}, \\
p_9(x) = & x^{146} + x^{142} + x^{141} + x^{140} + x^{139} + x^{133} + x^{132} + x^{131} + x^{130} + x^{129} \\
& + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + 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^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102}
\end{aligned}$$

$$\begin{aligned}
& + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} \\
& + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} \\
& + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} + x^{42} \\
& + x^{41} + x^{40} + x^{39} + x^{38} + x^{34} + x^{30} + x^{29} + x^{28} + x^{27} + x^{21} + x^{20} \\
& + x^{19} + x^{17} + x^{16} + x^{15} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{148} + x^{140} + x^{136} + x^{128} + x^{124} + x^{120} + x^{116} + x^{108} + x^{104} + x^{100} \\
& + x^{92} + x^{88} + x^{84} + x^{76} + x^{72} + x^{68} + x^{60} + x^{56} + x^{32} + x^{28} + x^{24} \\
& + x^{20} + x^{16} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{143} + x^{141} + x^{137} + x^{136} + x^{135} + x^{132} + x^{129} + x^{128} \\
& + x^{124} + x^{121} + x^{117} + x^{114} + x^{112} + x^{111} + x^{109} + x^{108} + x^{107} \\
& + x^{106} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} + x^{91} + x^{89} \\
& + x^{83} + x^{81} + x^{79} + x^{78} + x^{76} + x^{75} + x^{72} + x^{63} + x^{59} + x^{58} + x^{57} \\
& + x^{55} + x^{54} + x^{53} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} \\
& + x^{42}, \\
p_3(x) = & x^{145} + x^{144} + x^{143} + x^{141} + x^{136} + x^{132} + x^{131} + x^{130} + x^{129} + x^{126} \\
& + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{112} \\
& + x^{106} + x^{105} + x^{104} + x^{96} + x^{94} + x^{93} + x^{89} + x^{88} + x^{86} + x^{85} + x^{84} \\
& + x^{83} + x^{82} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{73} + x^{71} + x^{69} + x^{66} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
& + x^{52} + x^{51} + x^{47} + x^{46} + x^{42} + x^{33} + x^{32} + x^{24} + x^{23} + x^{22}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{141} + x^{136} + x^{135} + x^{132} + x^{131} + x^{130} + x^{129} \\
& + x^{126} + x^{124} + x^{123} + x^{121} + x^{120} + x^{117} + x^{116} + x^{110} + x^{109} \\
& + x^{107} + x^{106} + x^{104} + x^{103} + x^{101} + x^{100} + x^{99} + x^{94} + x^{93} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{81} + x^{79} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} \\
& + x^{70} + x^{69} + x^{66} + x^{65} + x^{61} + x^{58} + x^{55} + x^{54} + x^{50} + x^{45} + x^{44} \\
& + x^{42} + x^{41} + x^{40} + x^{39} + x^{34} + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{21} \\
& + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} + x^5 + x^4 + 1, \\
p_9(x) = & x^{145} + x^{144} + x^{141} + x^{136} + x^{49} + x^{48} + x^{45} + x^{40} + x^{33} + x^{32} + x^{29} \\
& + x^{24} + x^{17} + x^{16} + x^{13} + x^8, \\
p_{12}(x) = & x^{145} + x^{144} + x^{141} + x^{137} + x^{133} + x^{128} + x^{121} + x^{120} + x^{116} + x^{105} \\
& + x^{104} + x^{100} + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{57} + x^{56} + x^{52}
\end{aligned}$$

$$\begin{aligned}
& + x^{49} + x^{48} + x^{45} + x^{40} + x^{37} + x^{36} + x^{33} + x^{29} + x^{25} + x^{21} + x^{17} \\
& + x^{13} + x^8 + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{136} + x^{134} \\
&+ x^{129} + x^{127} + x^{124} + x^{123} + x^{120} + x^{118} + x^{111} + x^{108} + x^{107} \\
&+ x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{97} + x^{96} + x^{95} + x^{94} + x^{92} \\
&+ x^{91} + x^{90} + x^{87} + x^{86} + x^{85} + x^{83} + x^{82} + x^{79} + x^{77} + x^{76} + x^{75} \\
&+ x^{74} + x^{71} + x^{68} + x^{65} + x^{61} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
&+ x^{52} + x^{51} + x^{50} + x^{49} + x^{46} + x^{43} + x^{41} + x^{36} + x^{34} + x^{32} + x^{31} \\
&+ x^{29} + x^{28} + x^{24}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{140} + x^{132} + x^{129} + x^{123} + x^{121} + x^{119} + x^{116} \\
&+ x^{115} + x^{114} + x^{109} + x^{108} + x^{106} + x^{105} + x^{99} + x^{98} + x^{96} + x^{92} \\
&+ x^{91} + x^{90} + x^{88} + x^{85} + x^{79} + x^{75} + x^{71} + x^{66} + x^{63} + x^{61} + x^{55} \\
&+ x^{53} + x^{50} + x^{47} + x^{45} + x^{44} + x^{42} + x^{41} + x^{37} + x^{32} + x^{29} + x^{27} \\
&+ x^{26} + x^{25} + x^{24} + x^{23} + x^{21} + x^{16}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{140} + x^{135} + x^{133} + x^{129} + x^{128} + x^{124} + x^{123} \\
&+ x^{117} + x^{115} + x^{114} + x^{108} + x^{105} + x^{104} + x^{100} + x^{97} + x^{91} + x^{90} \\
&+ x^{89} + x^{88} + x^{86} + x^{82} + x^{81} + x^{80} + x^{79} + x^{75} + x^{72} + x^{71} + x^{66} \\
&+ x^{58} + x^{56} + x^{51} + x^{50} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{39} + x^{38} \\
&+ x^{36} + x^{35} + x^{30} + x^{29} + x^{27} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{18} \\
&+ x^{15} + x^{13} + x^{12} + x^8 + x^5 + x^4 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{141} + x^{136} + x^{49} + x^{48} + x^{45} + x^{40} + x^{33} + x^{32} + x^{29} \\
&+ x^{24} + x^{17} + x^{16} + x^{13} + x^8, \\
p_{12}(x) &= x^{145} + x^{144} + x^{141} + x^{137} + x^{133} + x^{128} + x^{121} + x^{120} + x^{116} + x^{105} \\
&+ x^{104} + x^{100} + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{57} + x^{56} + x^{52} \\
&+ x^{49} + x^{48} + x^{45} + x^{40} + x^{37} + x^{36} + x^{33} + x^{29} + x^{25} + x^{21} + x^{17} \\
&+ x^{13} + x^8 + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{144} + x^{141} + x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{133} + x^{132} + x^{131} \\
&+ x^{128} + x^{126} + x^{125} + x^{124} + x^{122} + x^{120} + x^{118} + x^{117} + x^{116} \\
&+ x^{115} + x^{114} + x^{110} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} \\
&+ x^{100} + x^{96} + x^{94} + x^{93} + x^{92} + x^{90} + x^{88} + x^{87} + x^{86} + x^{84} + x^{83} \\
&+ x^{80} + x^{76} + x^{75} + x^{74} + x^{73} + x^{69} + x^{67} + x^{66} + x^{65} + x^{63} + x^{61}
\end{aligned}$$

$$\begin{aligned}
& + x^{59} + x^{58} + x^{57} + x^{55} + x^{52} + x^{51} + x^{49} + x^{48} + x^{45} + x^{42} + x^{41} \\
& + x^{40} + x^{38} + x^{37} + x^{36} + x^{34} + x^{33}, \\
p_3(x) = & x^{142} + x^{138} + x^{137} + x^{136} + x^{135} + x^{134} + x^{132} + x^{127} + x^{125} + x^{124} \\
& + x^{123} + x^{122} + x^{120} + x^{118} + x^{115} + x^{114} + x^{110} + x^{106} + x^{105} \\
& + x^{104} + x^{103} + x^{102} + x^{100} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} + x^{89} \\
& + x^{87} + x^{86} + x^{84} + x^{83} + x^{81} + x^{80} + x^{77} + x^{75} + x^{73} + x^{69} + x^{64} \\
& + x^{63} + x^{61} + x^{60} + x^{58} + x^{57} + x^{55} + x^{54} + x^{52} + x^{51} + x^{49} + x^{48} \\
& + x^{45} + x^{43} + x^{41} + x^{37} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{24} + x^{22} \\
& + x^{19} + x^{18}, \\
p_6(x) = & x^{144} + x^{134} + x^{130} + x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{114} + x^{108} \\
& + x^{102} + x^{100} + x^{92} + x^{82} + x^{80} + x^{78} + x^{74} + x^{72} + x^{70} + x^{64} + x^{60} \\
& + x^{58} + x^{56} + x^{52} + x^{50} + x^{48} + x^{46} + x^{44} + x^{24} + x^{20} + x^{14} + x^{12}, \\
p_9(x) = & x^{146} + x^{142} + x^{141} + x^{140} + x^{139} + x^{133} + x^{132} + x^{131} + x^{130} + x^{129} \\
& + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} + 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^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} \\
& + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} \\
& + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} \\
& + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} + x^{42} \\
& + x^{41} + x^{40} + x^{39} + x^{38} + x^{34} + x^{30} + x^{29} + x^{28} + x^{27} + x^{21} + x^{20} \\
& + x^{19} + x^{17} + x^{16} + x^{15} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) = & x^{148} + x^{140} + x^{136} + x^{128} + x^{124} + x^{120} + x^{116} + x^{108} + x^{104} + x^{100} \\
& + x^{92} + x^{88} + x^{84} + x^{76} + x^{72} + x^{68} + x^{60} + x^{56} + x^{32} + x^{28} + x^{24} \\
& + x^{20} + x^{16} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{160} + x^{156} + x^{153} + x^{152} + x^{151} + x^{144} + x^{143} + x^{138} + x^{137} + x^{134} \\
& + x^{133} + x^{131} + x^{129} + x^{127} + x^{126} + x^{122} + x^{121} + x^{119} + x^{112} \\
& + x^{111} + x^{108} + x^{107} + x^{105} + x^{103} + x^{100} + x^{98} + x^{95} + x^{92} + x^{91} \\
& + x^{90} + x^{88} + x^{84} + x^{83} + x^{82} + x^{79} + x^{76} + x^{74} + x^{68} + x^{65} + x^{64} \\
& + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{56} + x^{54} + x^{52} + x^{50} + x^{47} + x^{46} \\
& + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{146} + x^{141} + x^{140} + x^{139} + x^{138} + x^{137} + x^{135} + x^{134} + x^{133} + x^{128}
\end{aligned}$$

$$\begin{aligned}
& + x^{127} + x^{126} + x^{125} + x^{124} + x^{120} + x^{118} + x^{115} + x^{109} + x^{108} \\
& + x^{107} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{98} + x^{96} + x^{95} + x^{94} \\
& + x^{91} + x^{89} + x^{88} + x^{87} + x^{84} + x^{82} + x^{81} + x^{80} + x^{77} + x^{75} + x^{74} \\
& + x^{73} + x^{70} + x^{68} + x^{67} + x^{63} + x^{58} + x^{57} + x^{56} + x^{55} + x^{52} + x^{50} \\
& + x^{49} + x^{48} + x^{45} + x^{43} + x^{42} + x^{41} + x^{38} + x^{36} + x^{35} + x^{34} + x^{31} \\
& + x^{29} + x^{28} + x^{27} + x^{26} + x^{24} + x^{22} + x^{19} + x^{18}, \\
p_6(x) &= x^{148} + x^{144} + x^{140} + x^{138} + x^{136} + x^{130} + x^{126} + x^{124} + x^{122} + x^{120} \\
& + x^{108} + x^{104} + x^{100} + x^{98} + x^{90} + x^{88} + x^{84} + x^{76} + x^{74} + x^{70} + x^{68} \\
& + x^{64} + x^{62} + x^{58} + x^{52} + x^{50} + x^{44} + x^{42} + x^{40} + x^{36} + x^{34} + x^{30} \\
& + x^{24} + x^{22} + x^{14} + x^{12}, \\
p_9(x) &= x^{150} + x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{139} + x^{133} + x^{132} + x^{131} \\
& + x^{130} + x^{129} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{122} \\
& + 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^{107} + x^{106} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} \\
& + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{83} \\
& + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} \\
& + x^{71} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} \\
& + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{55} + x^{53} + x^{52} + x^{51} + x^{50} + x^{46} \\
& + x^{42} + x^{41} + x^{40} + x^{39} + x^{33} + x^{32} + x^{31} + x^{29} + x^{28} + x^{27} + x^{22} \\
& + x^{21} + x^{20} + x^{19} + x^{18} + x^{14} + x^{10} + x^9 + x^8 + x^7 + x^6, \\
p_{12}(x) &= x^{152} + x^{148} + x^{140} + x^{120} + x^{116} + x^{112} + x^{104} + x^{100} + x^{96} + x^{88} \\
& + x^{84} + x^{80} + x^{72} + x^{68} + x^{64} + x^{48} + x^{44} + x^{32} + x^{28} + x^{24} + x^{20} \\
& + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{141} + x^{137} + x^{136} + x^{135} + x^{132} + x^{129} + x^{128} \\
& + x^{124} + x^{121} + x^{117} + x^{114} + x^{112} + x^{111} + x^{109} + x^{108} + x^{107} \\
& + x^{106} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{95} + x^{94} + x^{93} + x^{91} + x^{89} \\
& + x^{83} + x^{81} + x^{79} + x^{78} + x^{76} + x^{75} + x^{72} + x^{63} + x^{59} + x^{58} + x^{57} \\
& + x^{55} + x^{54} + x^{53} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} \\
& + x^{42}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{141} + x^{136} + x^{132} + x^{131} + x^{130} + x^{129} + x^{126} \\
& + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{112} \\
& + x^{106} + x^{105} + x^{104} + x^{96} + x^{94} + x^{93} + x^{89} + x^{88} + x^{86} + x^{85} + x^{84}
\end{aligned}$$

$$\begin{aligned}
& + x^{83} + x^{82} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{73} + x^{71} + x^{69} + x^{66} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
& + x^{52} + x^{51} + x^{47} + x^{46} + x^{42} + x^{33} + x^{32} + x^{24} + x^{23} + x^{22}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{141} + x^{136} + x^{135} + x^{132} + x^{131} + x^{130} + x^{129} \\
& + x^{126} + x^{124} + x^{123} + x^{121} + x^{120} + x^{117} + x^{116} + x^{110} + x^{109} \\
& + x^{107} + x^{106} + x^{104} + x^{103} + x^{101} + x^{100} + x^{99} + x^{94} + x^{93} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{81} + x^{79} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{71} \\
& + x^{70} + x^{69} + x^{66} + x^{65} + x^{61} + x^{58} + x^{55} + x^{54} + x^{50} + x^{45} + x^{44} \\
& + x^{42} + x^{41} + x^{40} + x^{39} + x^{34} + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{21} \\
& + x^{20} + x^{19} + x^{18} + x^{15} + x^{14} + x^5 + x^4 + 1, \\
p_9(x) = & x^{145} + x^{144} + x^{141} + x^{136} + x^{49} + x^{48} + x^{45} + x^{40} + x^{33} + x^{32} + x^{29} \\
& + x^{24} + x^{17} + x^{16} + x^{13} + x^8, \\
p_{12}(x) = & x^{145} + x^{144} + x^{141} + x^{137} + x^{133} + x^{128} + x^{121} + x^{120} + x^{116} + x^{105} \\
& + x^{104} + x^{100} + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{57} + x^{56} + x^{52} \\
& + x^{49} + x^{48} + x^{45} + x^{40} + x^{37} + x^{36} + x^{33} + x^{29} + x^{25} + x^{21} + x^{17} \\
& + x^{13} + x^8 + x^5 + x^4 + 1,
\end{aligned}$$

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

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

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

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	2784	[4570, 3943]	5568	[4336, 1182]	8352	[845, 6742]
1	[3, 4]	2785	[4571, 4572]	5569	[7652, 7542]	8353	[6697, 5693]
2	[5, 6]	2786	[4573, 4574]	5570	[7653, 4182]	8354	[6028, 9184]
3	[7, 8]	2787	[4575, 4576]	5571	[4785, 7654]	8355	[5747, 609]
4	[9, 10]	2788	[4577, 4515]	5572	[7655, 7656]	8356	[5070, 1864]
5	[11, 12]	2789	[3917, 3564]	5573	[7657, 7658]	8357	[4861, 2549]
6	[13, 14]	2790	[3271, 945]	5574	[7659, 352]	8358	[9763, 9764]
7	[15, 16]	2791	[4578, 3952]	5575	[7461, 7660]	8359	[2440, 2054]
8	[17, 18]	2792	[4579, 970]	5576	[7661, 7188]	8360	[9765, 9173]
9	[19, 20]	2793	[4386, 4580]	5577	[7662, 293]	8361	[813, 5572]
10	[21, 22]	2794	[3964, 4581]	5578	[7663, 3050]	8362	[9766, 6769]
11	[23, 24]	2795	[4582, 4583]	5579	[3772, 965]	8363	[9767, 189]
12	[25, 26]	2796	[4584, 3850]	5580	[7664, 7665]	8364	[9768, 6124]
13	[27, 28]	2797	[4585, 3508]	5581	[7666, 4418]	8365	[2085, 6488]
14	[29, 30]	2798	[4586, 1575]	5582	[1122, 7602]	8366	[9769, 8960]
15	[31, 32]	2799	[4587, 4588]	5583	[7667, 1072]	8367	[185, 5723]
16	[33, 34]	2800	[4589, 67]	5584	[261, 7668]	8368	[9770, 9708]
17	[35, 36]	2801	[4590, 4591]	5585	[4797, 4581]	8369	[4970, 2984]

18	[37, 38]	2802	[2999, 6]	5586	[4319, 7669]	8370	[9771, 2943]
19	[39, 40]	2803	[4592, 4593]	5587	[7670, 7671]	8371	[9032, 2078]
20	[41, 42]	2804	[1130, 3986]	5588	[7672, 3291]	8372	[9772, 9418]
21	[43, 44]	2805	[4594, 3358]	5589	[7673, 1433]	8373	[9773, 9774]
22	[45, 46]	2806	[3651, 1562]	5590	[1218, 7674]	8374	[9775, 6435]
23	[47, 48]	2807	[4595, 4110]	5591	[1355, 7675]	8375	[5382, 2007]
24	[49, 50]	2808	[4596, 3920]	5592	[7676, 4021]	8376	[9776, 2582]
25	[51, 52]	2809	[4597, 4598]	5593	[7677, 1087]	8377	[1909, 9777]
26	[53, 54]	2810	[4599, 4600]	5594	[7678, 3364]	8378	[9189, 2069]
27	[55, 56]	2811	[4601, 3093]	5595	[7639, 4733]	8379	[9703, 5467]
28	[57, 58]	2812	[4602, 3661]	5596	[7679, 7680]	8380	[2017, 9778]
29	[59, 60]	2813	[4603, 1357]	5597	[1513, 3652]	8381	[9779, 2494]
30	[61, 46]	2814	[294, 3499]	5598	[7681, 7223]	8382	[1839, 5083]
31	[62, 63]	2815	[4604, 482]	5599	[7682, 3758]	8383	[9780, 8899]
32	[64, 65]	2816	[4605, 1407]	5600	[7515, 1422]	8384	[9060, 9456]
33	[66, 67]	2817	[1177, 4606]	5601	[7683, 4276]	8385	[9781, 5063]
34	[68, 69]	2818	[4607, 1684]	5602	[931, 7684]	8386	[9782, 2276]
35	[70, 71]	2819	[4608, 4498]	5603	[7685, 7686]	8387	[9783, 5783]
36	[72, 73]	2820	[4609, 318]	5604	[7687, 434]	8388	[9784, 6270]
37	[74, 75]	2821	[4610, 1532]	5605	[3631, 7688]	8389	[5830, 5818]
38	[76, 77]	2822	[1453, 4611]	5606	[7689, 4408]	8390	[9785, 9515]
39	[78, 79]	2823	[1328, 1294]	5607	[7690, 7691]	8391	[9786, 5300]
40	[80, 81]	2824	[4612, 260]	5608	[4364, 7490]	8392	[6069, 1771]
41	[82, 83]	2825	[1036, 4613]	5609	[1549, 7692]	8393	[6371, 6487]
42	[84, 85]	2826	[4614, 3611]	5610	[7693, 7694]	8394	[9787, 2628]
43	[86, 87]	2827	[4615, 4616]	5611	[7695, 3720]	8395	[9557, 5071]
44	[88, 89]	2828	[4617, 3011]	5612	[7696, 3026]	8396	[9788, 9151]
45	[90, 91]	2829	[4618, 4619]	5613	[7697, 1065]	8397	[9789, 9790]
46	[92, 93]	2830	[4620, 4621]	5614	[7698, 7699]	8398	[9791, 6301]
47	[94, 95]	2831	[4474, 406]	5615	[2993, 7700]	8399	[6455, 9792]
48	[96, 97]	2832	[4622, 4623]	5616	[7701, 7702]	8400	[9793, 1796]
49	[98, 99]	2833	[3720, 4624]	5617	[7703, 7704]	8401	[691, 6607]
50	[100, 101]	2834	[4625, 1511]	5618	[3616, 7705]	8402	[9794, 5404]
51	[102, 103]	2835	[4626, 4627]	5619	[7706, 7707]	8403	[912, 9148]
52	[104, 105]	2836	[4628, 4629]	5620	[7708, 3329]	8404	[32, 4832]
53	[106, 107]	2837	[356, 4630]	5621	[7188, 7709]	8405	[8993, 9617]
54	[108, 109]	2838	[4631, 3904]	5622	[22, 7710]	8406	[6432, 213]
55	[110, 111]	2839	[1358, 1620]	5623	[109, 7711]	8407	[5095, 6595]
56	[112, 113]	2840	[964, 4632]	5624	[3356, 7712]	8408	[9795, 9796]
57	[114, 115]	2841	[4633, 4634]	5625	[1127, 4639]	8409	[9689, 6187]
58	[116, 117]	2842	[4635, 4636]	5626	[7713, 4456]	8410	[9797, 5135]
59	[118, 119]	2843	[4637, 4079]	5627	[1206, 7672]	8411	[9798, 5876]
60	[120, 121]	2844	[3853, 4278]	5628	[7561, 3509]	8412	[9799, 550]
61	[122, 123]	2845	[4638, 1144]	5629	[1401, 4625]	8413	[2469, 9800]

62	[124, 125]	2846	[4639, 4640]	5630	[974, 7711]	8414	[6139, 2029]
63	[126, 127]	2847	[4641, 4128]	5631	[7714, 7431]	8415	[9801, 5224]
64	[128, 129]	2848	[4642, 349]	5632	[4372, 4630]	8416	[9050, 5852]
65	[130, 131]	2849	[4643, 1267]	5633	[102, 7715]	8417	[5827, 1772]
66	[132, 133]	2850	[4644, 3970]	5634	[7716, 7717]	8418	[6770, 6710]
67	[134, 135]	2851	[4645, 4472]	5635	[7718, 7631]	8419	[9724, 9369]
68	[136, 137]	2852	[4646, 17]	5636	[7719, 4]	8420	[9802, 9556]
69	[138, 139]	2853	[4647, 4648]	5637	[4265, 4039]	8421	[9803, 1897]
70	[140, 141]	2854	[3987, 4649]	5638	[4528, 7445]	8422	[9804, 6440]
71	[142, 143]	2855	[3064, 4650]	5639	[975, 3899]	8423	[9805, 2255]
72	[144, 145]	2856	[4651, 4300]	5640	[7720, 6912]	8424	[9806, 5731]
73	[146, 147]	2857	[4652, 1551]	5641	[7721, 3778]	8425	[9807, 9470]
74	[148, 149]	2858	[4653, 4071]	5642	[7722, 7723]	8426	[9808, 9484]
75	[150, 151]	2859	[4654, 4655]	5643	[3990, 1407]	8427	[5858, 9309]
76	[152, 153]	2860	[1117, 4656]	5644	[3335, 7073]	8428	[9809, 9810]
77	[154, 155]	2861	[1226, 4657]	5645	[7724, 4383]	8429	[2727, 2504]
78	[156, 157]	2862	[4658, 4659]	5646	[7725, 7726]	8430	[9811, 5293]
79	[158, 159]	2863	[4660, 4661]	5647	[7727, 7728]	8431	[8915, 5998]
80	[160, 161]	2864	[4662, 23]	5648	[7729, 7730]	8432	[9812, 9526]
81	[162, 163]	2865	[4663, 3262]	5649	[4141, 1594]	8433	[5728, 2410]
82	[164, 165]	2866	[4664, 4665]	5650	[7344, 7731]	8434	[2267, 9813]
83	[166, 167]	2867	[1009, 4052]	5651	[7732, 7061]	8435	[9690, 5069]
84	[168, 169]	2868	[4666, 3482]	5652	[7733, 4083]	8436	[6799, 5600]
85	[170, 171]	2869	[4667, 4668]	5653	[7734, 3156]	8437	[544, 6165]
86	[172, 173]	2870	[4012, 1221]	5654	[4754, 7735]	8438	[2939, 9814]
87	[174, 175]	2871	[4669, 4670]	5655	[7640, 7736]	8439	[9815, 2280]
88	[176, 177]	2872	[4671, 1708]	5656	[4220, 6961]	8440	[8867, 9816]
89	[178, 179]	2873	[4672, 4673]	5657	[3512, 361]	8441	[172, 8769]
90	[180, 181]	2874	[4674, 4675]	5658	[7737, 4489]	8442	[9817, 4882]
91	[182, 183]	2875	[4676, 4162]	5659	[7706, 7738]	8443	[9818, 8943]
92	[184, 185]	2876	[3176, 4677]	5660	[7739, 7740]	8444	[5385, 5447]
93	[186, 187]	2877	[4678, 4044]	5661	[6926, 7741]	8445	[9322, 5551]
94	[188, 189]	2878	[4679, 4680]	5662	[7742, 7743]	8446	[9819, 5459]
95	[190, 38]	2879	[4681, 4477]	5663	[7744, 7745]	8447	[9820, 553]
96	[191, 192]	2880	[4682, 4683]	5664	[1381, 7746]	8448	[9821, 2200]
97	[193, 194]	2881	[1297, 4684]	5665	[3612, 7747]	8449	[9822, 9638]
98	[195, 196]	2882	[1340, 4685]	5666	[7748, 267]	8450	[8769, 769]
99	[197, 198]	2883	[997, 4686]	5667	[7749, 7750]	8451	[8939, 5653]
100	[199, 200]	2884	[424, 4687]	5668	[7259, 7751]	8452	[6231, 8933]
101	[201, 202]	2885	[1171, 3113]	5669	[7752, 7691]	8453	[9823, 9824]
102	[203, 204]	2886	[4688, 4617]	5670	[7753, 371]	8454	[9825, 2375]
103	[205, 206]	2887	[4689, 297]	5671	[3641, 7754]	8455	[9524, 5274]
104	[207, 208]	2888	[4690, 4691]	5672	[7755, 7756]	8456	[2378, 5815]
105	[209, 210]	2889	[4692, 3166]	5673	[6998, 4213]	8457	[9826, 8777]

106	[211, 212]	2890	[4035, 4693]	5674	[3677, 3097]	8458	[9704, 9827]
107	[213, 214]	2891	[4041, 4694]	5675	[7757, 7758]	8459	[9828, 9351]
108	[215, 216]	2892	[4038, 4695]	5676	[1281, 7759]	8460	[5719, 1777]
109	[217, 218]	2893	[4243, 4696]	5677	[7649, 7760]	8461	[1914, 2503]
110	[219, 220]	2894	[4697, 4331]	5678	[4346, 7761]	8462	[6218, 6475]
111	[221, 222]	2895	[3961, 4698]	5679	[7762, 99]	8463	[6260, 176]
112	[223, 224]	2896	[4699, 4243]	5680	[7756, 7143]	8464	[9829, 5272]
113	[225, 226]	2897	[4700, 1350]	5681	[7763, 7764]	8465	[9722, 5889]
114	[227, 228]	2898	[4701, 4188]	5682	[7765, 1527]	8466	[6263, 6795]
115	[229, 230]	2899	[1011, 4702]	5683	[7345, 7766]	8467	[9830, 9188]
116	[231, 232]	2900	[4703, 4704]	5684	[7767, 3619]	8468	[9831, 9832]
117	[233, 234]	2901	[4705, 1089]	5685	[1263, 7768]	8469	[9833, 6373]
118	[235, 236]	2902	[1343, 1311]	5686	[3770, 7769]	8470	[6689, 905]
119	[237, 238]	2903	[4706, 4707]	5687	[7770, 7771]	8471	[2586, 6601]
120	[239, 240]	2904	[4708, 4709]	5688	[7772, 7773]	8472	[9460, 9834]
121	[241, 242]	2905	[4710, 4711]	5689	[4077, 7774]	8473	[2146, 8852]
122	[243, 244]	2906	[1386, 4712]	5690	[4549, 7775]	8474	[6677, 1850]
123	[245, 246]	2907	[1199, 4713]	5691	[405, 4475]	8475	[2239, 6780]
124	[247, 248]	2908	[4714, 4715]	5692	[7723, 7631]	8476	[2307, 2640]
125	[249, 250]	2909	[4716, 4717]	5693	[1614, 7776]	8477	[225, 2913]
126	[251, 252]	2910	[4718, 4719]	5694	[1184, 7777]	8478	[9835, 4913]
127	[253, 254]	2911	[4720, 4721]	5695	[1220, 7778]	8479	[9836, 5644]
128	[255, 256]	2912	[4722, 3438]	5696	[3396, 7779]	8480	[6337, 5320]
129	[257, 258]	2913	[4723, 4724]	5697	[4733, 7780]	8481	[2124, 9837]
130	[259, 260]	2914	[4725, 79]	5698	[7781, 361]	8482	[9838, 5420]
131	[261, 262]	2915	[4726, 4727]	5699	[7782, 7733]	8483	[5693, 5548]
132	[263, 264]	2916	[4728, 4729]	5700	[3156, 367]	8484	[9839, 6485]
133	[265, 266]	2917	[4322, 4730]	5701	[3514, 363]	8485	[9331, 4819]
134	[267, 268]	2918	[4731, 1345]	5702	[7783, 330]	8486	[2561, 2440]
135	[269, 270]	2919	[4732, 4036]	5703	[7784, 7370]	8487	[5248, 9454]
136	[271, 272]	2920	[4522, 4733]	5704	[7785, 3156]	8488	[1908, 4940]
137	[273, 274]	2921	[4734, 1079]	5705	[4470, 3895]	8489	[528, 8795]
138	[275, 276]	2922	[4735, 4736]	5706	[7786, 1646]	8490	[9446, 4971]
139	[277, 278]	2923	[4648, 1035]	5707	[7787, 1404]	8491	[9840, 6651]
140	[279, 280]	2924	[4737, 4738]	5708	[3351, 7788]	8492	[9827, 5901]
141	[281, 282]	2925	[4739, 4740]	5709	[3281, 1507]	8493	[2130, 5370]
142	[283, 284]	2926	[4741, 4742]	5710	[1720, 7789]	8494	[9725, 9532]
143	[285, 286]	2927	[3755, 1643]	5711	[7434, 1492]	8495	[2784, 2333]
144	[287, 288]	2928	[4743, 3984]	5712	[7303, 1013]	8496	[9841, 2419]
145	[289, 290]	2929	[4744, 4745]	5713	[7790, 7188]	8497	[9842, 8863]
146	[291, 292]	2930	[4746, 4132]	5714	[4010, 7791]	8498	[232, 9843]
147	[293, 294]	2931	[4308, 4747]	5715	[3939, 7792]	8499	[9844, 2583]
148	[295, 296]	2932	[4748, 68]	5716	[7793, 1386]	8500	[9340, 5563]
149	[297, 298]	2933	[4749, 4750]	5717	[7794, 6992]	8501	[5984, 2665]

150	[299, 300]	2934	[4751, 3155]	5718	[7103, 7795]	8502	[9845, 2695]
151	[301, 302]	2935	[4752, 4208]	5719	[7796, 3021]	8503	[645, 5195]
152	[303, 304]	2936	[4753, 4752]	5720	[7797, 3576]	8504	[5998, 6093]
153	[305, 306]	2937	[4754, 4432]	5721	[3597, 4494]	8505	[6632, 5800]
154	[304, 307]	2938	[4755, 1312]	5722	[7798, 434]	8506	[6600, 1802]
155	[308, 309]	2939	[4756, 4757]	5723	[3194, 4125]	8507	[9846, 5016]
156	[289, 310]	2940	[3179, 4758]	5724	[7573, 3088]	8508	[9195, 2303]
157	[311, 312]	2941	[4674, 4759]	5725	[1543, 3467]	8509	[9847, 2922]
158	[313, 314]	2942	[4760, 4761]	5726	[7799, 7800]	8510	[9848, 9790]
159	[315, 316]	2943	[4762, 3687]	5727	[4409, 7801]	8511	[9849, 8766]
160	[317, 318]	2944	[4763, 275]	5728	[7802, 91]	8512	[9850, 2898]
161	[319, 320]	2945	[4764, 3249]	5729	[3228, 3321]	8513	[6362, 5708]
162	[321, 322]	2946	[4765, 4766]	5730	[7803, 7804]	8514	[9664, 808]
163	[323, 324]	2947	[4767, 4768]	5731	[4279, 7805]	8515	[9851, 9186]
164	[325, 326]	2948	[4769, 4770]	5732	[1679, 1286]	8516	[9744, 4861]
165	[327, 328]	2949	[4771, 951]	5733	[3365, 7513]	8517	[9852, 9303]
166	[329, 330]	2950	[4772, 4415]	5734	[7806, 7807]	8518	[9831, 2874]
167	[331, 332]	2951	[3145, 4388]	5735	[3946, 7808]	8519	[2202, 2411]
168	[333, 334]	2952	[4773, 4774]	5736	[7809, 4094]	8520	[5346, 9853]
169	[335, 336]	2953	[4775, 2990]	5737	[3749, 7810]	8521	[9854, 9855]
170	[337, 338]	2954	[4776, 4777]	5738	[7811, 7421]	8522	[9856, 525]
171	[339, 340]	2955	[4166, 1449]	5739	[7812, 7109]	8523	[9857, 9280]
172	[341, 342]	2956	[4778, 4506]	5740	[3721, 7813]	8524	[9025, 9858]
173	[343, 344]	2957	[1059, 4779]	5741	[7814, 4251]	8525	[9859, 6437]
174	[345, 346]	2958	[4780, 4781]	5742	[7207, 7488]	8526	[9860, 5876]
175	[347, 348]	2959	[4782, 1265]	5743	[7815, 1035]	8527	[9861, 9440]
176	[349, 350]	2960	[4783, 4619]	5744	[7816, 1244]	8528	[5027, 2183]
177	[351, 352]	2961	[1461, 4417]	5745	[7817, 7818]	8529	[9425, 2037]
178	[353, 354]	2962	[3733, 1649]	5746	[1018, 1161]	8530	[9862, 5529]
179	[355, 356]	2963	[1436, 3037]	5747	[7819, 4117]	8531	[5093, 9605]
180	[357, 358]	2964	[4784, 3055]	5748	[7820, 4118]	8532	[9863, 9864]
181	[359, 360]	2965	[418, 4785]	5749	[7821, 3200]	8533	[2440, 2716]
182	[361, 362]	2966	[4786, 3144]	5750	[7822, 1512]	8534	[9095, 9535]
183	[363, 364]	2967	[4787, 1304]	5751	[7197, 1284]	8535	[640, 241]
184	[365, 366]	2968	[3447, 4788]	5752	[422, 937]	8536	[9865, 59]
185	[367, 368]	2969	[3849, 342]	5753	[7823, 7094]	8537	[9240, 5981]
186	[369, 370]	2970	[3457, 4789]	5754	[1406, 7824]	8538	[6076, 8734]
187	[371, 372]	2971	[4790, 4317]	5755	[7314, 3796]	8539	[9866, 5033]
188	[373, 374]	2972	[4791, 277]	5756	[3619, 7825]	8540	[9867, 9868]
189	[375, 376]	2973	[4792, 3629]	5757	[7826, 7827]	8541	[9869, 5703]
190	[377, 378]	2974	[4353, 1024]	5758	[3781, 988]	8542	[9870, 6814]
191	[379, 380]	2975	[4793, 4794]	5759	[3138, 7828]	8543	[5475, 9653]
192	[381, 382]	2976	[4795, 4492]	5760	[7829, 3346]	8544	[9871, 2078]
193	[383, 384]	2977	[4796, 3161]	5761	[4727, 3909]	8545	[1938, 9390]

194	[385, 386]	2978	[3963, 4797]	5762	[7830, 1216]	8546	[2966, 2702]
195	[387, 388]	2979	[1063, 3259]	5763	[7831, 7832]	8547	[9872, 9661]
196	[389, 390]	2980	[4798, 4799]	5764	[4329, 7198]	8548	[6068, 2504]
197	[391, 392]	2981	[4800, 4801]	5765	[7833, 454]	8549	[9477, 6581]
198	[393, 394]	2982	[3746, 4802]	5766	[3918, 7801]	8550	[9873, 666]
199	[395, 105]	2983	[4803, 4078]	5767	[7834, 7835]	8551	[9616, 8994]
200	[396, 397]	2984	[4804, 92]	5768	[7836, 4294]	8552	[9874, 9672]
201	[398, 399]	2985	[4805, 4806]	5769	[3805, 3850]	8553	[6665, 6191]
202	[400, 401]	2986	[872, 4807]	5770	[7837, 7838]	8554	[9875, 5397]
203	[402, 97]	2987	[4808, 4809]	5771	[7825, 7839]	8555	[9372, 5040]
204	[403, 404]	2988	[4810, 4811]	5772	[4799, 7092]	8556	[9876, 655]
205	[405, 406]	2989	[4812, 4813]	5773	[3017, 7840]	8557	[9877, 9864]
206	[407, 408]	2990	[4814, 4815]	5774	[7528, 7841]	8558	[9878, 2242]
207	[409, 410]	2991	[50, 2762]	5775	[7842, 1340]	8559	[9879, 9445]
208	[411, 412]	2992	[4816, 4817]	5776	[7843, 4591]	8560	[1899, 8949]
209	[413, 414]	2993	[4818, 2526]	5777	[6946, 3013]	8561	[9880, 5688]
210	[18, 415]	2994	[4819, 4820]	5778	[7844, 4698]	8562	[6502, 9881]
211	[416, 417]	2995	[4821, 4822]	5779	[7845, 4796]	8563	[6369, 6293]
212	[418, 419]	2996	[4823, 2088]	5780	[7846, 7847]	8564	[6796, 1888]
213	[420, 421]	2997	[4824, 2391]	5781	[4779, 7528]	8565	[9140, 2188]
214	[422, 423]	2998	[4825, 13]	5782	[7553, 7848]	8566	[227, 4896]
215	[424, 425]	2999	[4826, 4827]	5783	[7849, 7850]	8567	[9882, 9883]
216	[426, 427]	3000	[4828, 4829]	5784	[7495, 3521]	8568	[6821, 6030]
217	[428, 429]	3001	[2928, 847]	5785	[7851, 1149]	8569	[6001, 2336]
218	[430, 431]	3002	[4830, 2677]	5786	[7852, 7468]	8570	[9884, 8725]
219	[432, 433]	3003	[4831, 2983]	5787	[7853, 7854]	8571	[9885, 1886]
220	[434, 435]	3004	[713, 4832]	5788	[3994, 3070]	8572	[6016, 5980]
221	[436, 437]	3005	[4833, 4834]	5789	[7855, 7856]	8573	[9871, 485]
222	[438, 439]	3006	[4835, 4836]	5790	[7857, 1334]	8574	[9886, 2722]
223	[440, 441]	3007	[2851, 1860]	5791	[7858, 7859]	8575	[9612, 33]
224	[442, 443]	3008	[4837, 206]	5792	[7860, 4159]	8576	[5091, 146]
225	[444, 445]	3009	[4838, 4839]	5793	[7861, 1571]	8577	[2619, 791]
226	[446, 447]	3010	[4840, 4841]	5794	[7862, 3754]	8578	[9887, 2050]
227	[448, 275]	3011	[4842, 4843]	5795	[7863, 3351]	8579	[6279, 9317]
228	[449, 450]	3012	[4844, 4845]	5796	[7864, 7865]	8580	[5608, 8750]
229	[451, 452]	3013	[2826, 4846]	5797	[7866, 4381]	8581	[5690, 9888]
230	[453, 454]	3014	[4847, 4848]	5798	[4012, 3756]	8582	[5672, 5679]
231	[455, 456]	3015	[4849, 4850]	5799	[7867, 1284]	8583	[9889, 910]
232	[457, 458]	3016	[4851, 4852]	5800	[3742, 1657]	8584	[9826, 5035]
233	[459, 460]	3017	[4853, 4854]	5801	[7868, 7869]	8585	[9890, 6246]
234	[461, 462]	3018	[4855, 4856]	5802	[4295, 7870]	8586	[206, 9858]
235	[463, 464]	3019	[4857, 4858]	5803	[7871, 326]	8587	[1998, 514]
236	[465, 466]	3020	[4859, 4860]	5804	[112, 7872]	8588	[611, 9642]
237	[467, 468]	3021	[4861, 4862]	5805	[7873, 7874]	8589	[5712, 5220]

238	[469, 355]	3022	[2292, 4863]	5806	[7875, 3212]	8590	[2006, 5739]
239	[470, 471]	3023	[4864, 4865]	5807	[7865, 6889]	8591	[833, 8977]
240	[472, 473]	3024	[4866, 1881]	5808	[7876, 7877]	8592	[9891, 2249]
241	[474, 475]	3025	[4867, 561]	5809	[7433, 1058]	8593	[5887, 2768]
242	[476, 477]	3026	[2147, 4868]	5810	[7878, 3894]	8594	[6558, 9292]
243	[478, 479]	3027	[1975, 2653]	5811	[7879, 3171]	8595	[9835, 1934]
244	[480, 481]	3028	[2496, 506]	5812	[7880, 4491]	8596	[9892, 6117]
245	[482, 65]	3029	[4869, 4870]	5813	[4737, 7881]	8597	[9035, 2103]
246	[483, 484]	3030	[4871, 4872]	5814	[7882, 1514]	8598	[2981, 2647]
247	[485, 486]	3031	[4873, 1725]	5815	[7883, 7884]	8599	[9893, 5697]
248	[487, 488]	3032	[4874, 2787]	5816	[1306, 7885]	8600	[2092, 9757]
249	[489, 231]	3033	[4875, 4876]	5817	[4149, 7886]	8601	[9621, 9489]
250	[490, 491]	3034	[1938, 4877]	5818	[1179, 1186]	8602	[5876, 9813]
251	[492, 493]	3035	[4878, 877]	5819	[1276, 7872]	8603	[9577, 9894]
252	[494, 495]	3036	[4879, 4880]	5820	[7887, 1525]	8604	[9895, 9152]
253	[496, 497]	3037	[4881, 4882]	5821	[3806, 7888]	8605	[816, 9430]
254	[498, 499]	3038	[4883, 4884]	5822	[3344, 7720]	8606	[2040, 5734]
255	[500, 501]	3039	[4885, 2114]	5823	[7889, 1694]	8607	[9896, 868]
256	[502, 503]	3040	[4886, 4887]	5824	[7890, 6895]	8608	[9897, 9898]
257	[504, 505]	3041	[2422, 186]	5825	[7284, 7891]	8609	[6279, 9899]
258	[506, 507]	3042	[2705, 4888]	5826	[7892, 7893]	8610	[9900, 4978]
259	[508, 509]	3043	[2820, 2734]	5827	[7894, 468]	8611	[9290, 178]
260	[510, 511]	3044	[4889, 4890]	5828	[7538, 1308]	8612	[9901, 553]
261	[512, 513]	3045	[4891, 4892]	5829	[7761, 1179]	8613	[1827, 6338]
262	[514, 515]	3046	[4893, 143]	5830	[7895, 7896]	8614	[6413, 2510]
263	[516, 517]	3047	[4894, 4895]	5831	[109, 7897]	8615	[6175, 9371]
264	[518, 519]	3048	[4896, 138]	5832	[7898, 1467]	8616	[9902, 9903]
265	[520, 218]	3049	[4897, 4898]	5833	[3734, 7899]	8617	[182, 9204]
266	[521, 522]	3050	[4858, 4899]	5834	[7707, 7900]	8618	[9904, 5478]
267	[523, 524]	3051	[2071, 4900]	5835	[7901, 7902]	8619	[5337, 6596]
268	[525, 526]	3052	[4901, 4902]	5836	[404, 7903]	8620	[5424, 5311]
269	[527, 528]	3053	[2449, 4903]	5837	[7904, 4387]	8621	[9766, 2037]
270	[529, 530]	3054	[4904, 4905]	5838	[7905, 3723]	8622	[9905, 5932]
271	[531, 532]	3055	[4906, 4907]	5839	[7906, 7492]	8623	[5713, 9906]
272	[533, 534]	3056	[4908, 1998]	5840	[3861, 7907]	8624	[5820, 5610]
273	[535, 536]	3057	[4909, 2563]	5841	[7908, 4694]	8625	[9907, 9837]
274	[537, 538]	3058	[4910, 668]	5842	[7909, 7910]	8626	[2761, 5556]
275	[539, 540]	3059	[4911, 1863]	5843	[7911, 7912]	8627	[9908, 9909]
276	[541, 542]	3060	[4912, 750]	5844	[7913, 3625]	8628	[9910, 9172]
277	[543, 544]	3061	[2096, 4913]	5845	[7914, 3625]	8629	[5420, 9911]
278	[545, 546]	3062	[4914, 4915]	5846	[7915, 4695]	8630	[1776, 2202]
279	[547, 548]	3063	[2414, 4916]	5847	[7916, 7917]	8631	[9912, 5104]
280	[549, 550]	3064	[4917, 767]	5848	[7918, 1501]	8632	[2916, 6543]
281	[551, 552]	3065	[4918, 4919]	5849	[3809, 6874]	8633	[2072, 2795]

282	[553, 554]	3066	[4920, 844]	5850	[3707, 7919]	8634	[9913, 9914]
283	[555, 556]	3067	[4921, 833]	5851	[7920, 7921]	8635	[1923, 9087]
284	[557, 558]	3068	[4922, 604]	5852	[7922, 7750]	8636	[9915, 5782]
285	[559, 560]	3069	[4923, 4924]	5853	[7923, 7586]	8637	[9916, 532]
286	[561, 562]	3070	[1883, 4925]	5854	[1684, 7924]	8638	[572, 2658]
287	[563, 564]	3071	[4926, 2859]	5855	[1348, 7925]	8639	[9917, 9488]
288	[565, 566]	3072	[4927, 4928]	5856	[7926, 7927]	8640	[9918, 9919]
289	[567, 568]	3073	[4929, 4930]	5857	[7928, 6997]	8641	[9920, 5489]
290	[569, 570]	3074	[4931, 4932]	5858	[7929, 292]	8642	[9921, 1988]
291	[571, 572]	3075	[4933, 2726]	5859	[1084, 7930]	8643	[5154, 9834]
292	[573, 526]	3076	[4934, 4935]	5860	[7931, 4531]	8644	[2906, 6392]
293	[574, 575]	3077	[4936, 4937]	5861	[7932, 3050]	8645	[2211, 6047]
294	[576, 577]	3078	[2432, 2092]	5862	[7933, 7441]	8646	[9922, 6346]
295	[578, 579]	3079	[4938, 4939]	5863	[3422, 4706]	8647	[9923, 9924]
296	[580, 581]	3080	[4940, 4941]	5864	[260, 7934]	8648	[9925, 2062]
297	[582, 583]	3081	[4942, 4943]	5865	[7935, 7936]	8649	[6101, 6752]
298	[584, 585]	3082	[4944, 2342]	5866	[7937, 7896]	8650	[2312, 6752]
299	[586, 587]	3083	[4945, 4946]	5867	[7938, 1429]	8651	[6574, 6739]
300	[588, 186]	3084	[4947, 4948]	5868	[7939, 7324]	8652	[6705, 2592]
301	[589, 590]	3085	[4949, 4950]	5869	[7940, 964]	8653	[2297, 610]
302	[591, 592]	3086	[4951, 4952]	5870	[7941, 3942]	8654	[9447, 8964]
303	[593, 594]	3087	[4953, 4954]	5871	[7942, 3254]	8655	[9229, 9234]
304	[595, 596]	3088	[4955, 4956]	5872	[7943, 7944]	8656	[9926, 5592]
305	[597, 598]	3089	[4957, 1762]	5873	[7945, 1117]	8657	[9885, 5613]
306	[599, 600]	3090	[147, 224]	5874	[7671, 7946]	8658	[2128, 9406]
307	[594, 601]	3091	[4958, 4959]	5875	[7947, 3566]	8659	[9272, 9927]
308	[602, 603]	3092	[32, 714]	5876	[7948, 7949]	8660	[9928, 6788]
309	[604, 605]	3093	[4960, 785]	5877	[7950, 3136]	8661	[9929, 2343]
310	[606, 607]	3094	[240, 4961]	5878	[7951, 4330]	8662	[2739, 9930]
311	[608, 609]	3095	[874, 4962]	5879	[3617, 4074]	8663	[9931, 8998]
312	[610, 611]	3096	[4963, 4964]	5880	[1720, 7952]	8664	[9841, 9076]
313	[612, 613]	3097	[4965, 2914]	5881	[7953, 1431]	8665	[9932, 8851]
314	[614, 615]	3098	[4966, 4967]	5882	[7954, 4502]	8666	[9933, 5280]
315	[616, 617]	3099	[4968, 2755]	5883	[81, 4267]	8667	[9934, 9575]
316	[618, 619]	3100	[4969, 2182]	5884	[4740, 7955]	8668	[9935, 521]
317	[620, 621]	3101	[4970, 4971]	5885	[1669, 3741]	8669	[9936, 9855]
318	[622, 192]	3102	[4972, 872]	5886	[7956, 7003]	8670	[9937, 5900]
319	[623, 624]	3103	[4973, 4974]	5887	[7957, 4067]	8671	[9536, 2668]
320	[625, 626]	3104	[1787, 564]	5888	[7958, 7959]	8672	[149, 5407]
321	[627, 628]	3105	[4975, 4976]	5889	[7960, 7961]	8673	[6388, 9938]
322	[629, 630]	3106	[4977, 4978]	5890	[7962, 303]	8674	[9939, 9940]
323	[631, 632]	3107	[1960, 489]	5891	[7963, 7964]	8675	[9941, 5517]
324	[633, 634]	3108	[506, 4979]	5892	[4208, 7965]	8676	[917, 9335]
325	[53, 635]	3109	[4980, 1768]	5893	[1038, 7355]	8677	[9942, 1892]

326	[636, 637]	3110	[4981, 911]	5894	[7966, 3481]	8678	[9110, 9397]
327	[638, 639]	3111	[4982, 4983]	5895	[7967, 7968]	8679	[6177, 5741]
328	[640, 641]	3112	[4984, 4985]	5896	[3797, 4433]	8680	[6558, 8951]
329	[642, 643]	3113	[4986, 2518]	5897	[1706, 399]	8681	[2844, 6060]
330	[644, 645]	3114	[4987, 4988]	5898	[20, 7969]	8682	[2220, 8744]
331	[646, 647]	3115	[4989, 4990]	5899	[7970, 7971]	8683	[9750, 8791]
332	[611, 648]	3116	[2644, 2334]	5900	[7972, 3477]	8684	[9943, 8927]
333	[649, 650]	3117	[4991, 4905]	5901	[7973, 4267]	8685	[8907, 4807]
334	[651, 652]	3118	[4992, 4993]	5902	[7974, 3934]	8686	[9944, 2886]
335	[653, 654]	3119	[4994, 4995]	5903	[7471, 444]	8687	[655, 5522]
336	[655, 656]	3120	[4996, 2581]	5904	[7975, 4368]	8688	[6478, 702]
337	[657, 658]	3121	[4997, 4998]	5905	[7620, 7342]	8689	[6649, 9894]
338	[659, 660]	3122	[4999, 5000]	5906	[4092, 7295]	8690	[9687, 2467]
339	[661, 662]	3123	[5001, 893]	5907	[7976, 393]	8691	[2618, 6100]
340	[663, 664]	3124	[5002, 5003]	5908	[7977, 3587]	8692	[9945, 6756]
341	[665, 666]	3125	[5004, 4860]	5909	[7978, 1029]	8693	[584, 5077]
342	[667, 668]	3126	[5005, 2457]	5910	[7979, 1085]	8694	[9946, 9411]
343	[669, 670]	3127	[5006, 2594]	5911	[7980, 1003]	8695	[2136, 9630]
344	[671, 672]	3128	[5007, 52]	5912	[7981, 4086]	8696	[9222, 9792]
345	[673, 619]	3129	[5008, 5009]	5913	[7982, 7983]	8697	[5920, 9348]
346	[674, 675]	3130	[5010, 5011]	5914	[7022, 7984]	8698	[2521, 5219]
347	[676, 677]	3131	[5012, 5013]	5915	[1242, 4509]	8699	[1985, 2094]
348	[678, 679]	3132	[2487, 5014]	5916	[7978, 4258]	8700	[9947, 2983]
349	[680, 681]	3133	[5015, 5016]	5917	[7985, 4407]	8701	[6004, 2630]
350	[682, 683]	3134	[579, 637]	5918	[1234, 4016]	8702	[5053, 4997]
351	[684, 685]	3135	[2201, 2485]	5919	[7986, 4634]	8703	[9081, 2608]
352	[686, 687]	3136	[5017, 4925]	5920	[7987, 7988]	8704	[9948, 6325]
353	[688, 689]	3137	[5018, 5019]	5921	[3702, 7952]	8705	[9949, 9898]
354	[690, 691]	3138	[5020, 643]	5922	[7989, 3066]	8706	[9950, 5861]
355	[692, 693]	3139	[5021, 5022]	5923	[4186, 4794]	8707	[2474, 9832]
356	[694, 695]	3140	[808, 5023]	5924	[4480, 3541]	8708	[9951, 130]
357	[696, 697]	3141	[5024, 150]	5925	[7990, 87]	8709	[9952, 6711]
358	[698, 699]	3142	[5025, 5026]	5926	[7991, 7630]	8710	[2541, 1763]
359	[700, 701]	3143	[5027, 2710]	5927	[7992, 7993]	8711	[9213, 5357]
360	[702, 559]	3144	[5028, 5029]	5928	[7994, 4511]	8712	[9953, 2225]
361	[703, 704]	3145	[5030, 1810]	5929	[4115, 1658]	8713	[6486, 2230]
362	[705, 706]	3146	[5031, 5032]	5930	[473, 1472]	8714	[2622, 8809]
363	[707, 708]	3147	[5033, 2873]	5931	[7525, 7176]	8715	[5810, 1840]
364	[709, 710]	3148	[5034, 5035]	5932	[7995, 4768]	8716	[9954, 1282]
365	[711, 712]	3149	[5036, 2288]	5933	[7996, 1428]	8717	[8554, 4253]
366	[713, 714]	3150	[5037, 5038]	5934	[7997, 7998]	8718	[9955, 1613]
367	[715, 716]	3151	[5039, 5040]	5935	[1378, 7530]	8719	[4128, 7259]
368	[717, 718]	3152	[5041, 2814]	5936	[7999, 3807]	8720	[9956, 1298]
369	[719, 720]	3153	[2201, 2824]	5937	[8000, 1456]	8721	[9957, 9958]

370	[721, 722]	3154	[5042, 5043]	5938	[8001, 8002]	8722	[7670, 323]
371	[723, 724]	3155	[5044, 2935]	5939	[8003, 1427]	8723	[4544, 1414]
372	[725, 726]	3156	[5045, 717]	5940	[8004, 962]	8724	[9959, 7206]
373	[727, 728]	3157	[5046, 5047]	5941	[3914, 4607]	8725	[9960, 9961]
374	[729, 730]	3158	[5048, 2495]	5942	[8005, 8006]	8726	[9962, 7384]
375	[731, 732]	3159	[5049, 2111]	5943	[6972, 8007]	8727	[9963, 1170]
376	[733, 676]	3160	[5050, 5051]	5944	[8008, 8009]	8728	[9964, 9965]
377	[734, 735]	3161	[5052, 5053]	5945	[3321, 1343]	8729	[3041, 92]
378	[736, 737]	3162	[5054, 5055]	5946	[4019, 3225]	8730	[1230, 3360]
379	[738, 739]	3163	[5056, 5057]	5947	[8010, 1611]	8731	[3104, 9966]
380	[740, 741]	3164	[2183, 2676]	5948	[4183, 7171]	8732	[3002, 4668]
381	[742, 728]	3165	[5058, 5059]	5949	[8011, 3552]	8733	[9967, 3555]
382	[743, 744]	3166	[5060, 2962]	5950	[8012, 4242]	8734	[8617, 9968]
383	[745, 746]	3167	[5061, 5062]	5951	[4392, 7404]	8735	[3388, 8293]
384	[747, 748]	3168	[5063, 2028]	5952	[8013, 4209]	8736	[9969, 1366]
385	[749, 750]	3169	[5064, 882]	5953	[3478, 7274]	8737	[329, 9970]
386	[751, 752]	3170	[1810, 5065]	5954	[8014, 1437]	8738	[7368, 3360]
387	[753, 754]	3171	[2278, 708]	5955	[1580, 8015]	8739	[9971, 9972]
388	[755, 756]	3172	[1979, 176]	5956	[8016, 8017]	8740	[1104, 9973]
389	[757, 758]	3173	[5066, 5067]	5957	[8018, 1442]	8741	[9974, 3495]
390	[759, 760]	3174	[5068, 2565]	5958	[8019, 3843]	8742	[976, 7379]
391	[761, 762]	3175	[5069, 876]	5959	[8020, 1697]	8743	[9975, 295]
392	[763, 764]	3176	[2793, 165]	5960	[7155, 8021]	8744	[9976, 7147]
393	[765, 766]	3177	[5070, 5071]	5961	[8022, 8023]	8745	[9977, 8373]
394	[767, 768]	3178	[5072, 2610]	5962	[1621, 8024]	8746	[9978, 7996]
395	[173, 769]	3179	[5073, 2916]	5963	[7427, 4544]	8747	[8249, 7972]
396	[770, 771]	3180	[5074, 5075]	5964	[1025, 3818]	8748	[4602, 1631]
397	[772, 773]	3181	[160, 2670]	5965	[8025, 1119]	8749	[9979, 8417]
398	[774, 775]	3182	[5076, 5077]	5966	[4701, 3769]	8750	[1140, 9980]
399	[776, 777]	3183	[5078, 5079]	5967	[8026, 4338]	8751	[3527, 7573]
400	[778, 779]	3184	[905, 5080]	5968	[419, 7654]	8752	[1188, 4425]
401	[780, 781]	3185	[1732, 5081]	5969	[8027, 8028]	8753	[9981, 7925]
402	[782, 783]	3186	[5082, 5028]	5970	[8029, 8023]	8754	[3290, 9982]
403	[784, 785]	3187	[5083, 2301]	5971	[8030, 4477]	8755	[9983, 9984]
404	[786, 787]	3188	[2453, 5084]	5972	[3761, 8031]	8756	[1399, 7730]
405	[788, 789]	3189	[5085, 2789]	5973	[8032, 3318]	8757	[9985, 3790]
406	[790, 791]	3190	[2661, 5086]	5974	[8033, 4147]	8758	[456, 7130]
407	[792, 793]	3191	[5087, 5088]	5975	[4300, 8034]	8759	[982, 1258]
408	[794, 795]	3192	[5089, 5090]	5976	[4253, 8035]	8760	[9986, 9987]
409	[796, 797]	3193	[899, 2208]	5977	[8036, 8037]	8761	[4449, 8035]
410	[798, 799]	3194	[746, 806]	5978	[8038, 8039]	8762	[8499, 3719]
411	[800, 801]	3195	[5091, 2741]	5979	[8040, 8041]	8763	[3592, 9988]
412	[802, 803]	3196	[658, 2757]	5980	[272, 1301]	8764	[4227, 9989]
413	[130, 804]	3197	[5092, 4974]	5981	[8042, 7844]	8765	[3236, 7290]

414	[805, 806]	3198	[5093, 5094]	5982	[8043, 1260]	8766	[333, 9990]
415	[36, 807]	3199	[5095, 5096]	5983	[8044, 8045]	8767	[9991, 3271]
416	[808, 809]	3200	[5097, 890]	5984	[8046, 8047]	8768	[9992, 3143]
417	[810, 811]	3201	[5098, 5099]	5985	[8048, 8049]	8769	[9993, 3224]
418	[812, 813]	3202	[5100, 5101]	5986	[7712, 4776]	8770	[8393, 956]
419	[814, 815]	3203	[5102, 5103]	5987	[119, 7865]	8771	[3323, 3674]
420	[816, 817]	3204	[5104, 2502]	5988	[8050, 4071]	8772	[8637, 1581]
421	[818, 819]	3205	[5105, 2917]	5989	[7233, 8051]	8773	[9994, 3257]
422	[820, 821]	3206	[5106, 1955]	5990	[7920, 7885]	8774	[9995, 8289]
423	[822, 823]	3207	[5107, 5108]	5991	[8052, 7175]	8775	[9996, 9997]
424	[824, 825]	3208	[5109, 5110]	5992	[4801, 327]	8776	[9998, 3253]
425	[826, 827]	3209	[5111, 5112]	5993	[3735, 6937]	8777	[7273, 3479]
426	[828, 829]	3210	[5113, 5114]	5994	[7481, 1182]	8778	[9999, 8071]
427	[830, 831]	3211	[2552, 835]	5995	[8053, 3449]	8779	[4363, 10000]
428	[832, 833]	3212	[2530, 2277]	5996	[7771, 4010]	8780	[4080, 4404]
429	[834, 835]	3213	[5115, 5116]	5997	[8054, 1557]	8781	[10001, 1114]
430	[836, 837]	3214	[5117, 612]	5998	[8055, 8056]	8782	[10002, 8577]
431	[838, 839]	3215	[5118, 1767]	5999	[7298, 1630]	8783	[7414, 10003]
432	[840, 841]	3216	[2264, 773]	6000	[8057, 8058]	8784	[10004, 4196]
433	[842, 843]	3217	[5119, 5120]	6001	[8059, 1634]	8785	[3340, 4696]
434	[844, 577]	3218	[5121, 513]	6002	[8060, 7457]	8786	[10005, 10006]
435	[845, 846]	3219	[2920, 5014]	6003	[8061, 7229]	8787	[10007, 8555]
436	[847, 848]	3220	[5122, 808]	6004	[3507, 1367]	8788	[1719, 3702]
437	[849, 850]	3221	[5123, 5124]	6005	[4483, 3349]	8789	[10008, 1650]
438	[851, 852]	3222	[48, 5011]	6006	[8062, 3911]	8790	[8207, 3295]
439	[853, 854]	3223	[503, 530]	6007	[1303, 7605]	8791	[10009, 8227]
440	[855, 856]	3224	[5125, 2806]	6008	[8063, 4468]	8792	[1457, 3695]
441	[857, 718]	3225	[5126, 5127]	6009	[8064, 4168]	8793	[10010, 7930]
442	[858, 859]	3226	[5128, 5129]	6010	[8065, 3874]	8794	[10011, 8605]
443	[860, 861]	3227	[5130, 5131]	6011	[7073, 7838]	8795	[10012, 1586]
444	[862, 863]	3228	[5132, 5133]	6012	[8066, 7769]	8796	[10013, 1044]
445	[864, 865]	3229	[5134, 5135]	6013	[8067, 8068]	8797	[4217, 4502]
446	[866, 867]	3230	[5136, 1728]	6014	[1088, 8069]	8798	[1294, 3387]
447	[868, 869]	3231	[2000, 491]	6015	[8070, 8071]	8799	[7598, 372]
448	[870, 541]	3232	[2187, 5137]	6016	[8072, 296]	8800	[404, 8200]
449	[871, 758]	3233	[5138, 5139]	6017	[1709, 7015]	8801	[9989, 10014]
450	[872, 873]	3234	[4846, 5140]	6018	[7441, 8073]	8802	[1245, 10015]
451	[874, 875]	3235	[5141, 2499]	6019	[8074, 457]	8803	[10016, 385]
452	[876, 724]	3236	[615, 5142]	6020	[265, 7813]	8804	[10017, 8039]
453	[877, 159]	3237	[5143, 744]	6021	[8075, 7085]	8805	[1539, 3500]
454	[149, 878]	3238	[5144, 5145]	6022	[8076, 8077]	8806	[7822, 7851]
455	[879, 880]	3239	[4943, 5146]	6023	[7168, 8078]	8807	[1224, 8272]
456	[634, 511]	3240	[5147, 2458]	6024	[7692, 7682]	8808	[10018, 10019]
457	[881, 882]	3241	[5148, 2314]	6025	[7759, 7185]	8809	[10020, 378]

458	[883, 34]	3242	[5149, 5150]	6026	[1488, 8079]	8810	[10021, 10022]
459	[884, 885]	3243	[5151, 5152]	6027	[8080, 6998]	8811	[3042, 4453]
460	[886, 887]	3244	[4982, 2709]	6028	[8081, 3728]	8812	[10023, 8019]
461	[888, 889]	3245	[5153, 5154]	6029	[7082, 7797]	8813	[4727, 10024]
462	[890, 891]	3246	[5155, 5156]	6030	[8082, 8083]	8814	[3467, 10025]
463	[892, 893]	3247	[5157, 42]	6031	[8084, 263]	8815	[92, 4709]
464	[894, 137]	3248	[5158, 5159]	6032	[8085, 1144]	8816	[4260, 10026]
465	[895, 556]	3249	[5160, 149]	6033	[8086, 3749]	8817	[10027, 10028]
466	[896, 897]	3250	[5161, 5162]	6034	[4542, 8087]	8818	[6876, 10029]
467	[898, 899]	3251	[2794, 2073]	6035	[8088, 7898]	8819	[4422, 7118]
468	[900, 901]	3252	[2262, 5163]	6036	[8089, 8090]	8820	[10029, 7136]
469	[902, 903]	3253	[5164, 5165]	6037	[8091, 4572]	8821	[10030, 269]
470	[904, 905]	3254	[5166, 1884]	6038	[8092, 8093]	8822	[8538, 8430]
471	[906, 907]	3255	[5167, 5168]	6039	[8094, 7792]	8823	[4254, 10031]
472	[908, 909]	3256	[5169, 5170]	6040	[8095, 4729]	8824	[10032, 7731]
473	[910, 649]	3257	[5171, 4866]	6041	[254, 8096]	8825	[10033, 4305]
474	[911, 912]	3258	[5172, 2689]	6042	[1430, 8097]	8826	[10034, 1294]
475	[913, 914]	3259	[1964, 5173]	6043	[8098, 960]	8827	[10035, 95]
476	[915, 916]	3260	[5174, 5175]	6044	[82, 8099]	8828	[7736, 7027]
477	[917, 918]	3261	[5176, 662]	6045	[3265, 8100]	8829	[10036, 1576]
478	[919, 2]	3262	[5177, 198]	6046	[1132, 8101]	8830	[7320, 3101]
479	[920, 921]	3263	[5178, 5179]	6047	[8102, 7100]	8831	[10037, 8715]
480	[922, 923]	3264	[5180, 5181]	6048	[8103, 7116]	8832	[7070, 10038]
481	[924, 925]	3265	[2083, 5182]	6049	[3461, 8104]	8833	[8598, 3923]
482	[926, 927]	3266	[5183, 5184]	6050	[8105, 4330]	8834	[4072, 1393]
483	[928, 929]	3267	[5185, 885]	6051	[3591, 8106]	8835	[7588, 4759]
484	[839, 832]	3268	[2962, 5186]	6052	[8107, 8108]	8836	[262, 10039]
485	[930, 931]	3269	[5187, 5188]	6053	[8109, 4482]	8837	[10040, 3074]
486	[932, 933]	3270	[1907, 2917]	6054	[7610, 1502]	8838	[10041, 4103]
487	[934, 935]	3271	[4900, 2152]	6055	[8110, 8111]	8839	[10042, 8192]
488	[936, 82]	3272	[5189, 5190]	6056	[8112, 1151]	8840	[10043, 10044]
489	[937, 938]	3273	[695, 1804]	6057	[8113, 3977]	8841	[1491, 7091]
490	[939, 940]	3274	[5191, 4982]	6058	[8114, 3950]	8842	[10045, 10046]
491	[941, 942]	3275	[5192, 1984]	6059	[8115, 4119]	8843	[8225, 3356]
492	[943, 944]	3276	[2711, 5193]	6060	[8116, 1494]	8844	[10047, 7221]
493	[423, 938]	3277	[1792, 2663]	6061	[8117, 469]	8845	[7235, 10048]
494	[945, 946]	3278	[5194, 5195]	6062	[8118, 8119]	8846	[1654, 7668]
495	[947, 948]	3279	[5196, 5197]	6063	[3685, 3705]	8847	[10049, 3079]
496	[949, 950]	3280	[2322, 1966]	6064	[7261, 8120]	8848	[4330, 1056]
497	[951, 952]	3281	[5198, 863]	6065	[3579, 7764]	8849	[8660, 1279]
498	[953, 954]	3282	[5199, 2117]	6066	[1152, 1573]	8850	[10050, 8620]
499	[955, 956]	3283	[5200, 506]	6067	[1579, 8002]	8851	[10051, 7794]
500	[957, 958]	3284	[853, 4814]	6068	[8121, 8122]	8852	[10052, 1362]
501	[959, 960]	3285	[2524, 50]	6069	[8123, 354]	8853	[10053, 3214]

502	[961, 962]	3286	[5201, 177]	6070	[8124, 8125]	8854	[10054, 8100]
503	[963, 964]	3287	[5169, 1825]	6071	[8126, 8127]	8855	[323, 7946]
504	[965, 966]	3288	[5202, 5203]	6072	[4393, 7405]	8856	[10055, 415]
505	[967, 968]	3289	[5204, 583]	6073	[8128, 3987]	8857	[10056, 1608]
506	[969, 970]	3290	[5205, 5206]	6074	[8129, 1540]	8858	[10057, 10058]
507	[971, 972]	3291	[2079, 5207]	6075	[8130, 3795]	8859	[10059, 3982]
508	[973, 974]	3292	[5208, 5209]	6076	[8131, 3428]	8860	[10060, 10061]
509	[975, 976]	3293	[5210, 2424]	6077	[8132, 3264]	8861	[10062, 10063]
510	[977, 978]	3294	[5211, 5212]	6078	[8133, 8134]	8862	[10064, 10065]
511	[979, 980]	3295	[5213, 5214]	6079	[1676, 8135]	8863	[10066, 4173]
512	[981, 982]	3296	[5128, 5215]	6080	[7860, 8136]	8864	[10067, 3122]
513	[983, 317]	3297	[2484, 2824]	6081	[8137, 942]	8865	[10068, 7600]
514	[984, 985]	3298	[5216, 5217]	6082	[8138, 3016]	8866	[3677, 3879]
515	[986, 987]	3299	[5218, 5219]	6083	[300, 376]	8867	[10069, 16]
516	[988, 989]	3300	[5220, 5221]	6084	[8139, 8140]	8868	[1252, 4380]
517	[990, 991]	3301	[5222, 5223]	6085	[8141, 7385]	8869	[10070, 118]
518	[992, 993]	3302	[5224, 5225]	6086	[8142, 8069]	8870	[10071, 3788]
519	[994, 995]	3303	[5226, 5227]	6087	[8143, 8144]	8871	[3722, 10072]
520	[996, 997]	3304	[2796, 5228]	6088	[8145, 3737]	8872	[10073, 446]
521	[998, 999]	3305	[5229, 5230]	6089	[7890, 3665]	8873	[3405, 6892]
522	[1000, 1001]	3306	[5231, 5232]	6090	[3653, 7700]	8874	[7845, 3160]
523	[1002, 298]	3307	[5233, 2680]	6091	[8146, 1521]	8875	[4653, 949]
524	[1003, 1004]	3308	[5234, 5235]	6092	[8147, 120]	8876	[3204, 1175]
525	[1005, 1006]	3309	[1851, 5236]	6093	[8148, 3280]	8877	[10037, 10074]
526	[1007, 979]	3310	[1933, 5237]	6094	[8056, 8149]	8878	[8117, 10075]
527	[1008, 1009]	3311	[5238, 2274]	6095	[8150, 3634]	8879	[10076, 6945]
528	[1010, 1011]	3312	[5239, 5240]	6096	[8151, 3524]	8880	[10077, 3873]
529	[1012, 1013]	3313	[5241, 4848]	6097	[8152, 7704]	8881	[8633, 272]
530	[962, 1014]	3314	[5242, 2528]	6098	[8153, 3325]	8882	[10078, 10079]
531	[1015, 1016]	3315	[5243, 5244]	6099	[8154, 479]	8883	[10080, 1524]
532	[1017, 1018]	3316	[5245, 5246]	6100	[8155, 1197]	8884	[1409, 7352]
533	[1019, 1020]	3317	[5247, 5248]	6101	[8156, 3348]	8885	[1207, 4325]
534	[1021, 1022]	3318	[5249, 1995]	6102	[8157, 7139]	8886	[1597, 1420]
535	[1023, 1024]	3319	[5250, 5251]	6103	[6103, 6103]	8887	[3029, 6990]
536	[1025, 1026]	3320	[5252, 5253]	6104	[8158, 7988]	8888	[10081, 3095]
537	[1027, 1028]	3321	[5131, 5254]	6105	[8159, 1318]	8889	[8210, 7546]
538	[1029, 1030]	3322	[5255, 2510]	6106	[8160, 4003]	8890	[10082, 7891]
539	[1031, 1032]	3323	[5256, 5257]	6107	[1496, 8161]	8891	[4422, 4442]
540	[1033, 1034]	3324	[5258, 5259]	6108	[8162, 8163]	8892	[10083, 3781]
541	[1035, 1036]	3325	[5260, 5261]	6109	[4058, 3083]	8893	[7028, 10084]
542	[1037, 1038]	3326	[5262, 2296]	6110	[8164, 8165]	8894	[8372, 7828]
543	[1039, 458]	3327	[5263, 5264]	6111	[8166, 7111]	8895	[8303, 7899]
544	[1040, 1041]	3328	[5265, 5266]	6112	[8167, 4724]	8896	[10085, 3285]
545	[1042, 1043]	3329	[5267, 2472]	6113	[3724, 8168]	8897	[10086, 7414]

546	[1044, 1045]	3330	[2800, 1941]	6114	[8169, 332]	8898	[1499, 3533]
547	[1046, 1047]	3331	[2808, 5268]	6115	[7738, 7900]	8899	[7975, 10087]
548	[1048, 1049]	3332	[5269, 2174]	6116	[3218, 8170]	8900	[1367, 4309]
549	[1050, 1051]	3333	[5270, 5152]	6117	[8171, 4038]	8901	[3601, 10088]
550	[1052, 1053]	3334	[2139, 5271]	6118	[8172, 8173]	8902	[8505, 8473]
551	[1054, 1055]	3335	[548, 2409]	6119	[8174, 7927]	8903	[10089, 1377]
552	[1056, 1057]	3336	[5272, 5273]	6120	[6990, 8175]	8904	[10090, 3817]
553	[1058, 1059]	3337	[2370, 5274]	6121	[8176, 4087]	8905	[10091, 10061]
554	[1060, 1061]	3338	[196, 2221]	6122	[8177, 7026]	8906	[10092, 10093]
555	[1062, 1063]	3339	[5275, 2981]	6123	[316, 3071]	8907	[10094, 7702]
556	[1064, 1065]	3340	[5276, 5277]	6124	[1542, 3089]	8908	[10095, 10096]
557	[1066, 1067]	3341	[535, 5278]	6125	[8178, 4542]	8909	[10011, 8263]
558	[1068, 1069]	3342	[5279, 5280]	6126	[4020, 8179]	8910	[10097, 1088]
559	[1070, 282]	3343	[5281, 1931]	6127	[8180, 425]	8911	[10098, 1563]
560	[1071, 1072]	3344	[5282, 5283]	6128	[8181, 8041]	8912	[8255, 1041]
561	[1073, 1074]	3345	[5284, 2788]	6129	[8182, 1259]	8913	[10099, 4308]
562	[1075, 1076]	3346	[44, 2615]	6130	[83, 1359]	8914	[7368, 7594]
563	[1077, 29]	3347	[5285, 5286]	6131	[4273, 4498]	8915	[10100, 1607]
564	[414, 1078]	3348	[5287, 5260]	6132	[7481, 1010]	8916	[1074, 3777]
565	[1079, 1080]	3349	[5288, 5289]	6133	[8183, 3638]	8917	[3017, 7336]
566	[1081, 1082]	3350	[2212, 5290]	6134	[7823, 6972]	8918	[10101, 7552]
567	[1083, 1084]	3351	[5291, 214]	6135	[8184, 7454]	8919	[8319, 10102]
568	[1085, 1086]	3352	[5292, 5293]	6136	[8185, 7083]	8920	[8677, 2987]
569	[1087, 1088]	3353	[5294, 2050]	6137	[8186, 8187]	8921	[8353, 6987]
570	[1089, 1090]	3354	[5295, 5296]	6138	[8188, 380]	8922	[10103, 4627]
571	[1091, 1092]	3355	[5297, 5051]	6139	[8189, 8190]	8923	[1313, 9980]
572	[1093, 1094]	3356	[730, 2061]	6140	[4142, 6886]	8924	[8355, 4603]
573	[1095, 1096]	3357	[5298, 5299]	6141	[1559, 8191]	8925	[10104, 7477]
574	[1097, 293]	3358	[5300, 853]	6142	[7779, 4012]	8926	[10105, 3964]
575	[1098, 1099]	3359	[1800, 2767]	6143	[3625, 8192]	8927	[6891, 3406]
576	[1100, 1101]	3360	[5301, 2848]	6144	[8193, 7959]	8928	[10106, 3506]
577	[1102, 1103]	3361	[2251, 5302]	6145	[8194, 3128]	8929	[10107, 364]
578	[1104, 1105]	3362	[5303, 2764]	6146	[7005, 4082]	8930	[10108, 8399]
579	[1106, 1107]	3363	[5304, 1780]	6147	[1407, 62]	8931	[10109, 4663]
580	[1108, 1109]	3364	[5305, 1726]	6148	[4071, 950]	8932	[10110, 10111]
581	[1110, 1111]	3365	[5306, 552]	6149	[4377, 7633]	8933	[10112, 7449]
582	[1112, 1113]	3366	[5307, 1737]	6150	[2998, 5]	8934	[10113, 10028]
583	[1114, 1115]	3367	[5036, 2715]	6151	[8195, 7910]	8935	[3885, 3891]
584	[1116, 1117]	3368	[5308, 2685]	6152	[8196, 4029]	8936	[1443, 1675]
585	[1118, 1119]	3369	[5309, 5310]	6153	[3327, 8197]	8937	[4763, 1558]
586	[1120, 1121]	3370	[5311, 2354]	6154	[8198, 1396]	8938	[6868, 7433]
587	[1122, 1123]	3371	[5312, 5313]	6155	[8199, 8200]	8939	[4289, 3830]
588	[1124, 1125]	3372	[546, 640]	6156	[8201, 3573]	8940	[10114, 3167]
589	[1126, 1075]	3373	[5314, 5315]	6157	[8202, 3025]	8941	[3708, 3710]

590	[1127, 1128]	3374	[5316, 5317]	6158	[8203, 3490]	8942	[10115, 7093]
591	[1129, 1130]	3375	[5318, 202]	6159	[7530, 3551]	8943	[7160, 7983]
592	[1088, 1131]	3376	[5319, 2723]	6160	[7594, 8204]	8944	[7309, 8383]
593	[1132, 1133]	3377	[5320, 2869]	6161	[8205, 3140]	8945	[8464, 10096]
594	[1134, 1135]	3378	[5321, 2882]	6162	[8206, 1439]	8946	[3958, 10116]
595	[1136, 1137]	3379	[5322, 2645]	6163	[3950, 4719]	8947	[8654, 10117]
596	[1138, 1139]	3380	[2779, 4998]	6164	[8207, 428]	8948	[10118, 10119]
597	[1140, 1141]	3381	[5323, 495]	6165	[458, 7093]	8949	[10120, 3300]
598	[1142, 1143]	3382	[5324, 861]	6166	[1041, 4451]	8950	[10121, 1239]
599	[1144, 1145]	3383	[4807, 5325]	6167	[8208, 20]	8951	[4166, 7440]
600	[1146, 1147]	3384	[5326, 5327]	6168	[8209, 4386]	8952	[1701, 1232]
601	[1133, 1148]	3385	[5328, 590]	6169	[314, 3404]	8953	[7835, 8312]
602	[1149, 1150]	3386	[2982, 5329]	6170	[8210, 8211]	8954	[7379, 7976]
603	[1151, 1152]	3387	[5330, 5331]	6171	[7406, 8212]	8955	[1492, 10003]
604	[1153, 1154]	3388	[4992, 5332]	6172	[7721, 4232]	8956	[10091, 4133]
605	[4, 1155]	3389	[5333, 5334]	6173	[465, 8213]	8957	[10122, 10123]
606	[372, 1156]	3390	[505, 1827]	6174	[992, 3485]	8958	[3569, 10022]
607	[1157, 1158]	3391	[5335, 5336]	6175	[8214, 6859]	8959	[10124, 10125]
608	[1159, 1160]	3392	[5337, 5338]	6176	[8215, 1577]	8960	[1111, 7009]
609	[1161, 1162]	3393	[5339, 5340]	6177	[8216, 8217]	8961	[4074, 7395]
610	[1163, 1164]	3394	[5341, 2220]	6178	[8218, 8219]	8962	[10126, 4377]
611	[1165, 390]	3395	[5342, 5343]	6179	[6, 3508]	8963	[10127, 339]
612	[1166, 1167]	3396	[5344, 5345]	6180	[3234, 8220]	8964	[10128, 8519]
613	[1168, 1169]	3397	[2800, 2465]	6181	[3835, 3002]	8965	[10129, 4747]
614	[1170, 1171]	3398	[5346, 5347]	6182	[8221, 4268]	8966	[10130, 422]
615	[1172, 1173]	3399	[5223, 5348]	6183	[4124, 7641]	8967	[10131, 8031]
616	[1174, 1175]	3400	[5349, 2265]	6184	[8222, 250]	8968	[8526, 7788]
617	[1176, 1177]	3401	[5350, 5351]	6185	[8223, 4178]	8969	[7093, 6972]
618	[1178, 1179]	3402	[127, 5352]	6186	[8224, 3186]	8970	[10132, 3415]
619	[1180, 1181]	3403	[5353, 5354]	6187	[374, 8225]	8971	[10133, 3345]
620	[1182, 1011]	3404	[670, 569]	6188	[4573, 4664]	8972	[3082, 3086]
621	[1183, 1184]	3405	[5355, 5356]	6189	[8226, 8227]	8973	[4007, 10134]
622	[1185, 1186]	3406	[5357, 5358]	6190	[7511, 8228]	8974	[10087, 6866]
623	[1187, 1188]	3407	[5359, 2966]	6191	[8229, 4155]	8975	[3906, 1453]
624	[1189, 1190]	3408	[4950, 5360]	6192	[8230, 7241]	8976	[10135, 4241]
625	[1191, 1192]	3409	[5361, 5028]	6193	[3050, 8231]	8977	[6981, 8403]
626	[1193, 329]	3410	[5362, 2949]	6194	[8232, 1667]	8978	[1409, 3928]
627	[1194, 1195]	3411	[5363, 4827]	6195	[8233, 7806]	8979	[8592, 7768]
628	[973, 109]	3412	[5364, 4856]	6196	[8234, 7088]	8980	[8663, 10136]
629	[1196, 1197]	3413	[5365, 56]	6197	[8235, 8236]	8981	[10137, 1121]
630	[1198, 1199]	3414	[2658, 5366]	6198	[8237, 4726]	8982	[7518, 8049]
631	[1200, 1201]	3415	[5367, 5368]	6199	[8238, 329]	8983	[7250, 10138]
632	[1202, 1203]	3416	[5369, 5370]	6200	[7633, 1355]	8984	[7729, 1400]
633	[1204, 1205]	3417	[5371, 2017]	6201	[4292, 431]	8985	[1026, 3819]

634	[1096, 1206]	3418	[5372, 660]	6202	[1390, 3674]	8986	[10139, 3589]
635	[1207, 1208]	3419	[5373, 5374]	6203	[8239, 7042]	8987	[3189, 1678]
636	[1209, 1210]	3420	[5351, 5375]	6204	[8240, 6873]	8988	[4733, 3838]
637	[1211, 1212]	3421	[5376, 2516]	6205	[8241, 3686]	8989	[10140, 4543]
638	[1213, 1214]	3422	[5377, 5000]	6206	[3202, 7754]	8990	[10141, 1552]
639	[417, 1215]	3423	[5378, 536]	6207	[7641, 6962]	8991	[10142, 10143]
640	[1043, 1216]	3424	[5379, 5380]	6208	[1627, 7449]	8992	[10144, 4041]
641	[1217, 1218]	3425	[2798, 2046]	6209	[8242, 8243]	8993	[4077, 3766]
642	[1219, 1220]	3426	[5381, 5382]	6210	[8244, 4100]	8994	[10145, 8591]
643	[1221, 1222]	3427	[2614, 560]	6211	[8245, 7869]	8995	[10146, 3591]
644	[1223, 1224]	3428	[5383, 4877]	6212	[8246, 8247]	8996	[10147, 3651]
645	[1225, 1226]	3429	[5384, 5385]	6213	[8248, 8249]	8997	[10148, 8442]
646	[1227, 1228]	3430	[1935, 5386]	6214	[8250, 4053]	8998	[10149, 4555]
647	[1229, 1230]	3431	[5387, 1828]	6215	[3655, 4274]	8999	[10150, 10151]
648	[1049, 1231]	3432	[5388, 5389]	6216	[3812, 3987]	9000	[10152, 4451]
649	[1232, 1233]	3433	[5390, 5391]	6217	[8251, 8187]	9001	[7548, 9997]
650	[1234, 1235]	3434	[2528, 5392]	6218	[8252, 4524]	9002	[10153, 10154]
651	[1236, 1237]	3435	[5393, 5394]	6219	[8253, 8254]	9003	[10155, 4648]
652	[1238, 1239]	3436	[5395, 5396]	6220	[7531, 8255]	9004	[10156, 8056]
653	[1240, 334]	3437	[5397, 904]	6221	[8013, 7965]	9005	[10157, 10158]
654	[1241, 1242]	3438	[5398, 5225]	6222	[316, 1669]	9006	[10159, 10011]
655	[1243, 1244]	3439	[5399, 2532]	6223	[8256, 4580]	9007	[10160, 997]
656	[1245, 1246]	3440	[5400, 5401]	6224	[8257, 4757]	9008	[10161, 359]
657	[1247, 1248]	3441	[5402, 5403]	6225	[7307, 7870]	9009	[4639, 6950]
658	[1249, 1250]	3442	[2469, 5404]	6226	[7494, 972]	9010	[10162, 7674]
659	[1251, 1252]	3443	[5405, 5406]	6227	[8258, 3043]	9011	[7169, 10163]
660	[1001, 1253]	3444	[5407, 5408]	6228	[8259, 4383]	9012	[279, 10029]
661	[1254, 1255]	3445	[5409, 2864]	6229	[1019, 8260]	9013	[8168, 7590]
662	[1256, 1257]	3446	[5410, 819]	6230	[8261, 308]	9014	[7098, 7010]
663	[1258, 1259]	3447	[5411, 5412]	6231	[8126, 403]	9015	[10164, 3943]
664	[1260, 1261]	3448	[5413, 5414]	6232	[8262, 8263]	9016	[10165, 7756]
665	[1262, 1263]	3449	[5415, 5218]	6233	[7544, 8264]	9017	[10166, 100]
666	[1264, 1265]	3450	[5416, 5417]	6234	[8265, 4486]	9018	[10167, 8359]
667	[433, 1266]	3451	[5223, 2568]	6235	[8266, 1697]	9019	[107, 8412]
668	[1267, 1268]	3452	[5418, 2383]	6236	[8267, 8212]	9020	[7375, 10168]
669	[471, 1269]	3453	[1754, 4996]	6237	[8268, 3117]	9021	[10169, 1550]
670	[1270, 268]	3454	[5419, 2018]	6238	[8269, 400]	9022	[10170, 9977]
671	[1271, 1272]	3455	[5420, 2866]	6239	[7755, 6905]	9023	[10171, 8576]
672	[1158, 1273]	3456	[5421, 5422]	6240	[8270, 1443]	9024	[1085, 10172]
673	[1274, 427]	3457	[2007, 5423]	6241	[1379, 8011]	9025	[8099, 1359]
674	[1275, 1276]	3458	[5424, 2353]	6242	[8271, 8272]	9026	[4569, 1689]
675	[1277, 1278]	3459	[5425, 5426]	6243	[8273, 8274]	9027	[7474, 8491]
676	[1279, 1280]	3460	[5427, 5428]	6244	[8275, 8276]	9028	[1678, 4124]
677	[1281, 1282]	3461	[5429, 2277]	6245	[3296, 8277]	9029	[4479, 3540]

678	[1283, 482]	3462	[5430, 5431]	6246	[3624, 1617]	9030	[1594, 6886]
679	[1284, 1285]	3463	[5432, 2311]	6247	[8278, 1135]	9031	[10173, 1440]
680	[1286, 1287]	3464	[4907, 2726]	6248	[8279, 8280]	9032	[10174, 10175]
681	[960, 1288]	3465	[5433, 5434]	6249	[6966, 8281]	9033	[10176, 7982]
682	[1289, 3]	3466	[5435, 5436]	6250	[8282, 96]	9034	[1227, 10177]
683	[1290, 1291]	3467	[5437, 2328]	6251	[8283, 4684]	9035	[10178, 3207]
684	[1292, 1293]	3468	[5438, 2584]	6252	[3670, 8243]	9036	[10179, 4481]
685	[1294, 1295]	3469	[5439, 2234]	6253	[7179, 8284]	9037	[4700, 1682]
686	[1296, 1297]	3470	[4930, 5299]	6254	[1532, 8285]	9038	[4184, 10180]
687	[260, 1298]	3471	[5440, 2216]	6255	[1471, 1352]	9039	[10181, 10038]
688	[1299, 1003]	3472	[643, 5441]	6256	[4094, 7784]	9040	[10182, 10163]
689	[1300, 1301]	3473	[5442, 5443]	6257	[3147, 3546]	9041	[9970, 255]
690	[1302, 1303]	3474	[5444, 5445]	6258	[1458, 8286]	9042	[3054, 8349]
691	[1304, 1305]	3475	[5446, 5447]	6259	[7803, 8287]	9043	[10183, 3587]
692	[364, 1306]	3476	[5448, 5203]	6260	[1603, 351]	9044	[1558, 276]
693	[1307, 1308]	3477	[5449, 625]	6261	[8288, 8009]	9045	[3354, 7275]
694	[1309, 1310]	3478	[1771, 5450]	6262	[7113, 8289]	9046	[10184, 10185]
695	[1311, 1312]	3479	[2245, 5451]	6263	[4487, 1162]	9047	[10186, 7259]
696	[1313, 1141]	3480	[5452, 1810]	6264	[7813, 7319]	9048	[10187, 3053]
697	[1314, 1315]	3481	[5116, 58]	6265	[8290, 7220]	9049	[10162, 10188]
698	[1316, 1317]	3482	[5453, 5454]	6266	[8291, 1075]	9050	[10189, 4109]
699	[1318, 1319]	3483	[5455, 5456]	6267	[1595, 1172]	9051	[10190, 10191]
700	[1320, 1321]	3484	[5457, 5458]	6268	[7665, 381]	9052	[1277, 10192]
701	[1322, 1323]	3485	[5459, 5460]	6269	[4029, 1183]	9053	[446, 76]
702	[1324, 1325]	3486	[2714, 1845]	6270	[4798, 3896]	9054	[9954, 7759]
703	[1326, 1327]	3487	[5461, 2236]	6271	[8292, 1191]	9055	[1478, 10193]
704	[1328, 1329]	3488	[5462, 2374]	6272	[7255, 8293]	9056	[10194, 7079]
705	[1330, 1252]	3489	[5463, 59]	6273	[8230, 8294]	9057	[3401, 3419]
706	[1331, 1332]	3490	[5464, 1922]	6274	[8295, 955]	9058	[1098, 3543]
707	[1333, 986]	3491	[5465, 5466]	6275	[8296, 1008]	9059	[10195, 7829]
708	[1334, 1335]	3492	[5467, 5253]	6276	[8297, 4742]	9060	[3444, 3301]
709	[1336, 1337]	3493	[5468, 5469]	6277	[8298, 1331]	9061	[8559, 4446]
710	[1338, 1339]	3494	[5039, 5470]	6278	[7964, 4430]	9062	[1107, 10196]
711	[1340, 1341]	3495	[5471, 5472]	6279	[3954, 3032]	9063	[7882, 4242]
712	[1342, 1343]	3496	[5473, 5474]	6280	[8299, 3235]	9064	[10197, 254]
713	[1344, 1345]	3497	[5475, 2205]	6281	[354, 8300]	9065	[10198, 1050]
714	[63, 1346]	3498	[5476, 5477]	6282	[8301, 3586]	9066	[10199, 6849]
715	[1347, 388]	3499	[5478, 4976]	6283	[8302, 7808]	9067	[10200, 3989]
716	[1348, 1349]	3500	[5479, 2309]	6284	[8303, 391]	9068	[10201, 116]
717	[1350, 1351]	3501	[2868, 5480]	6285	[7369, 3586]	9069	[4369, 3876]
718	[473, 1352]	3502	[5481, 5482]	6286	[4030, 461]	9070	[8609, 10202]
719	[1353, 1354]	3503	[5483, 5484]	6287	[7168, 8304]	9071	[10203, 10172]
720	[1355, 1356]	3504	[5485, 5486]	6288	[4719, 3176]	9072	[10204, 10205]
721	[1357, 1358]	3505	[5487, 5053]	6289	[7547, 7721]	9073	[3027, 10206]

722	[1359, 1360]	3506	[5488, 2471]	6290	[1235, 4017]	9074	[10207, 4322]
723	[1361, 1362]	3507	[5489, 2641]	6291	[8305, 8090]	9075	[4203, 3476]
724	[1363, 1364]	3508	[5490, 5491]	6292	[8306, 3718]	9076	[6982, 7191]
725	[1365, 1366]	3509	[5492, 5493]	6293	[8307, 8308]	9077	[1368, 7825]
726	[111, 1367]	3510	[668, 5494]	6294	[8309, 1268]	9078	[4063, 3385]
727	[1368, 1369]	3511	[5495, 703]	6295	[3654, 4200]	9079	[8203, 7322]
728	[1370, 1371]	3512	[5496, 705]	6296	[8137, 7261]	9080	[4435, 7509]
729	[1372, 1373]	3513	[2330, 707]	6297	[8310, 3275]	9081	[8134, 4060]
730	[1374, 1375]	3514	[4993, 709]	6298	[8311, 4657]	9082	[8599, 3924]
731	[1376, 1377]	3515	[5497, 834]	6299	[7096, 8312]	9083	[10068, 10208]
732	[1378, 1379]	3516	[5498, 5499]	6300	[8313, 3520]	9084	[9989, 8696]
733	[1380, 1381]	3517	[5500, 712]	6301	[8314, 4776]	9085	[10209, 3516]
734	[1382, 1371]	3518	[5501, 5502]	6302	[8315, 4107]	9086	[10210, 10006]
735	[1383, 1384]	3519	[5503, 764]	6303	[3798, 4434]	9087	[1121, 289]
736	[1385, 1386]	3520	[5504, 2136]	6304	[8316, 7403]	9088	[10211, 10212]
737	[1175, 1387]	3521	[1829, 2714]	6305	[18, 8317]	9089	[6957, 4192]
738	[1388, 1389]	3522	[5505, 2746]	6306	[8318, 7745]	9090	[8512, 7902]
739	[1390, 1391]	3523	[5506, 5507]	6307	[8319, 8320]	9091	[10213, 1460]
740	[1392, 450]	3524	[2312, 5508]	6308	[3313, 8019]	9092	[10214, 7364]
741	[1393, 1394]	3525	[5509, 5257]	6309	[7907, 8321]	9093	[77, 4251]
742	[1395, 1396]	3526	[5510, 2130]	6310	[8322, 62]	9094	[4481, 6864]
743	[1397, 1398]	3527	[5511, 2649]	6311	[8323, 7195]	9095	[10215, 7827]
744	[1399, 1400]	3528	[5512, 858]	6312	[1381, 8324]	9096	[8048, 7519]
745	[1401, 1402]	3529	[925, 2699]	6313	[8325, 1599]	9097	[8014, 3037]
746	[1403, 1404]	3530	[2482, 4841]	6314	[7603, 4269]	9098	[8641, 3506]
747	[1405, 1406]	3531	[5513, 5514]	6315	[8326, 3216]	9099	[3280, 1506]
748	[1407, 1408]	3532	[2671, 5515]	6316	[8327, 6103]	9100	[3430, 4611]
749	[68, 1409]	3533	[5516, 2096]	6317	[3500, 1230]	9101	[8214, 10216]
750	[1410, 1411]	3534	[5227, 5517]	6318	[8328, 1552]	9102	[4484, 2996]
751	[1412, 1413]	3535	[1878, 5518]	6319	[8329, 8330]	9103	[10217, 1154]
752	[1414, 1415]	3536	[681, 5519]	6320	[8331, 3608]	9104	[2990, 3832]
753	[1416, 1417]	3537	[5520, 2011]	6321	[7351, 7753]	9105	[10218, 1245]
754	[1418, 471]	3538	[2071, 2151]	6322	[363, 4382]	9106	[3572, 10219]
755	[1419, 1420]	3539	[5521, 5522]	6323	[6958, 7791]	9107	[8364, 10220]
756	[1421, 1422]	3540	[5523, 5524]	6324	[4301, 8332]	9108	[4438, 4346]
757	[1423, 1112]	3541	[1747, 5525]	6325	[8333, 8334]	9109	[10221, 10018]
758	[1424, 1425]	3542	[5526, 2000]	6326	[7019, 8335]	9110	[10222, 7430]
759	[1426, 1427]	3543	[156, 5527]	6327	[7124, 8284]	9111	[10223, 1401]
760	[1428, 1429]	3544	[5528, 5529]	6328	[7162, 7057]	9112	[4119, 10224]
761	[1430, 1431]	3545	[5530, 5531]	6329	[8336, 4419]	9113	[10225, 10226]
762	[1432, 1433]	3546	[5532, 2577]	6330	[8337, 6981]	9114	[1597, 7367]
763	[1434, 1435]	3547	[5533, 5534]	6331	[8338, 3700]	9115	[10227, 1449]
764	[1436, 1437]	3548	[5535, 725]	6332	[6879, 3402]	9116	[10228, 7067]
765	[1438, 1439]	3549	[5536, 5537]	6333	[8339, 3795]	9117	[7197, 6978]

766	[1440, 1441]	3550	[2950, 1777]	6334	[8340, 8341]	9118	[8036, 10229]
767	[1442, 1443]	3551	[493, 1885]	6335	[4310, 7592]	9119	[4083, 4327]
768	[1444, 1445]	3552	[2539, 5538]	6336	[254, 8342]	9120	[8401, 8591]
769	[1446, 1055]	3553	[5539, 5540]	6337	[7846, 4568]	9121	[10230, 10231]
770	[1447, 1448]	3554	[5541, 5542]	6338	[8343, 8330]	9122	[10232, 941]
771	[1449, 1450]	3555	[5543, 5544]	6339	[8344, 3645]	9123	[10233, 7233]
772	[1451, 1452]	3556	[5545, 5546]	6340	[8345, 8346]	9124	[10234, 2999]
773	[1453, 1454]	3557	[5547, 733]	6341	[7806, 4230]	9125	[4480, 3250]
774	[1455, 1456]	3558	[5053, 2779]	6342	[8347, 8348]	9126	[10235, 25]
775	[1457, 1458]	3559	[5548, 5239]	6343	[4784, 8349]	9127	[8578, 10236]
776	[1459, 1460]	3560	[5549, 5550]	6344	[8350, 4032]	9128	[8474, 8684]
777	[1317, 1461]	3561	[5551, 5552]	6345	[4168, 3001]	9129	[10237, 3661]
778	[1462, 1463]	3562	[5553, 5554]	6346	[7899, 392]	9130	[10238, 8608]
779	[1464, 1465]	3563	[2115, 5047]	6347	[4250, 3656]	9131	[8397, 3005]
780	[1155, 433]	3564	[5555, 5556]	6348	[3484, 993]	9132	[10239, 1440]
781	[1466, 1467]	3565	[5557, 5558]	6349	[8351, 102]	9133	[10240, 10196]
782	[1468, 1469]	3566	[171, 1851]	6350	[8352, 4593]	9134	[10241, 3689]
783	[1470, 100]	3567	[5559, 2075]	6351	[3242, 8353]	9135	[4555, 7912]
784	[1471, 1472]	3568	[5560, 5561]	6352	[7004, 7782]	9136	[6885, 8277]
785	[1473, 1474]	3569	[5562, 4943]	6353	[8354, 7007]	9137	[10242, 4092]
786	[1475, 1476]	3570	[5563, 4900]	6354	[3730, 8355]	9138	[6951, 8170]
787	[1305, 1477]	3571	[5564, 5565]	6355	[7161, 3652]	9139	[10243, 1562]
788	[1478, 1479]	3572	[5566, 2147]	6356	[8356, 3209]	9140	[10244, 4035]
789	[1480, 1481]	3573	[5567, 5568]	6357	[8357, 4349]	9141	[8216, 10245]
790	[1482, 1483]	3574	[5569, 5570]	6358	[8358, 8359]	9142	[10246, 7806]
791	[1484, 1485]	3575	[5571, 2703]	6359	[6865, 7382]	9143	[6880, 10247]
792	[1486, 1487]	3576	[2572, 737]	6360	[8360, 3211]	9144	[8023, 10248]
793	[1488, 1489]	3577	[2543, 1975]	6361	[4056, 3453]	9145	[10249, 4596]
794	[1490, 1491]	3578	[1755, 5572]	6362	[8361, 7204]	9146	[10250, 1133]
795	[1492, 1493]	3579	[2029, 1832]	6363	[8362, 3898]	9147	[7689, 3581]
796	[1494, 1495]	3580	[556, 5573]	6364	[8363, 7949]	9148	[8009, 8271]
797	[1496, 995]	3581	[5574, 4840]	6365	[77, 3978]	9149	[10251, 1542]
798	[1497, 1373]	3582	[5575, 5576]	6366	[8010, 8364]	9150	[10252, 8566]
799	[1498, 1499]	3583	[5290, 2800]	6367	[4545, 1415]	9151	[10253, 10254]
800	[1500, 1501]	3584	[5577, 2741]	6368	[4592, 8365]	9152	[10255, 4624]
801	[1502, 1503]	3585	[5578, 4957]	6369	[8366, 4349]	9153	[7002, 10256]
802	[1504, 1505]	3586	[5579, 5580]	6370	[1079, 8367]	9154	[10257, 4211]
803	[1506, 1507]	3587	[5581, 2120]	6371	[340, 7699]	9155	[3991, 7892]
804	[1508, 1509]	3588	[5582, 4991]	6372	[6869, 4464]	9156	[1322, 7153]
805	[1510, 362]	3589	[5583, 2315]	6373	[3585, 1542]	9157	[8068, 1102]
806	[1402, 1511]	3590	[5584, 2139]	6374	[8368, 1622]	9158	[4335, 1001]
807	[71, 1048]	3591	[5585, 2453]	6375	[30, 7441]	9159	[10258, 8480]
808	[1512, 1149]	3592	[5586, 5587]	6376	[8369, 1722]	9160	[3869, 10212]
809	[1513, 106]	3593	[5588, 1908]	6377	[3472, 256]	9161	[7757, 10259]

810	[1514, 1515]	3594	[5589, 5590]	6378	[8370, 4438]	9162	[7581, 10260]
811	[1516, 1517]	3595	[5591, 5592]	6379	[4050, 8371]	9163	[10261, 7881]
812	[1518, 1519]	3596	[5593, 2066]	6380	[7658, 1716]	9164	[10262, 6901]
813	[1520, 1521]	3597	[5594, 2505]	6381	[982, 8182]	9165	[10263, 7960]
814	[1522, 1523]	3598	[5595, 1962]	6382	[3036, 453]	9166	[3664, 6895]
815	[1524, 1525]	3599	[5596, 775]	6383	[8372, 3562]	9167	[10264, 1263]
816	[1526, 71]	3600	[5597, 5598]	6384	[4672, 8373]	9168	[7199, 7381]
817	[987, 1527]	3601	[5599, 148]	6385	[8374, 8375]	9169	[10265, 7018]
818	[1215, 1528]	3602	[4856, 5600]	6386	[481, 7536]	9170	[10266, 10247]
819	[1529, 1530]	3603	[5601, 5602]	6387	[8376, 1436]	9171	[8205, 10267]
820	[1531, 267]	3604	[5603, 2360]	6388	[8377, 7018]	9172	[8038, 10268]
821	[1532, 1533]	3605	[5604, 219]	6389	[7854, 8378]	9173	[10269, 3554]
822	[1534, 1535]	3606	[5605, 2880]	6390	[8379, 3245]	9174	[1339, 3677]
823	[1536, 1537]	3607	[2972, 741]	6391	[3992, 7893]	9175	[4000, 289]
824	[1538, 1539]	3608	[5606, 5607]	6392	[8380, 4243]	9176	[4529, 7336]
825	[1540, 1541]	3609	[5608, 5609]	6393	[7665, 6929]	9177	[7446, 8700]
826	[1542, 1543]	3610	[1853, 5610]	6394	[8381, 3864]	9178	[8676, 10270]
827	[1544, 1545]	3611	[5611, 5612]	6395	[8382, 6941]	9179	[7657, 1715]
828	[1546, 1547]	3612	[5613, 1887]	6396	[8383, 1413]	9180	[8398, 4414]
829	[1548, 1549]	3613	[5614, 5615]	6397	[6903, 8384]	9181	[10271, 1707]
830	[1550, 1551]	3614	[5082, 5616]	6398	[3305, 4077]	9182	[1511, 339]
831	[1552, 1143]	3615	[5617, 685]	6399	[8385, 7997]	9183	[10272, 9958]
832	[1553, 1554]	3616	[2805, 5608]	6400	[7969, 4359]	9184	[6910, 7244]
833	[1555, 1436]	3617	[5047, 5618]	6401	[8386, 7146]	9185	[10273, 1234]
834	[1556, 1557]	3618	[5158, 5619]	6402	[8387, 7474]	9186	[10274, 10275]
835	[448, 1558]	3619	[5620, 5621]	6403	[1285, 3408]	9187	[4045, 10276]
836	[1421, 1559]	3620	[4825, 5184]	6404	[73, 4379]	9188	[10277, 10278]
837	[1560, 1561]	3621	[5622, 5623]	6405	[4356, 8348]	9189	[7517, 3302]
838	[1195, 1553]	3622	[1954, 5624]	6406	[4560, 958]	9190	[3046, 9966]
839	[1562, 1563]	3623	[5625, 2845]	6407	[4223, 7675]	9191	[10279, 396]
840	[1564, 1565]	3624	[5626, 5627]	6408	[8388, 4557]	9192	[8233, 4229]
841	[1566, 1567]	3625	[5628, 663]	6409	[4433, 8389]	9193	[10280, 8626]
842	[1568, 1569]	3626	[2089, 5629]	6410	[8390, 3829]	9194	[3695, 8286]
843	[1570, 1571]	3627	[5302, 2871]	6411	[8391, 3357]	9195	[10281, 10282]
844	[1572, 1573]	3628	[243, 5630]	6412	[8392, 8393]	9196	[7783, 9970]
845	[1574, 1575]	3629	[4868, 1835]	6413	[8394, 8395]	9197	[7916, 7581]
846	[1576, 1577]	3630	[5631, 5632]	6414	[8234, 3200]	9198	[10283, 10284]
847	[1578, 1579]	3631	[5310, 5633]	6415	[8396, 6913]	9199	[10285, 3139]
848	[1580, 1581]	3632	[5634, 5635]	6416	[8349, 8290]	9200	[7388, 4384]
849	[1300, 1582]	3633	[5636, 5286]	6417	[7750, 3739]	9201	[6933, 10286]
850	[1583, 1584]	3634	[5637, 5638]	6418	[8397, 8398]	9202	[10287, 1715]
851	[1585, 1586]	3635	[5639, 5640]	6419	[4552, 8399]	9203	[3356, 8314]
852	[1587, 1588]	3636	[5641, 5642]	6420	[4440, 1712]	9204	[10288, 10289]
853	[1589, 1590]	3637	[5643, 747]	6421	[4777, 4008]	9205	[10055, 8317]

854	[1360, 1591]	3638	[5644, 5434]	6422	[350, 3536]	9206	[3617, 4361]
855	[1592, 1593]	3639	[5645, 5322]	6423	[8400, 456]	9207	[10265, 4069]
856	[1594, 1595]	3640	[5614, 613]	6424	[8401, 1060]	9208	[10290, 4201]
857	[1596, 1597]	3641	[5646, 5647]	6425	[4411, 8402]	9209	[10254, 1529]
858	[1598, 1599]	3642	[5648, 5649]	6426	[8403, 4517]	9210	[3117, 8597]
859	[1600, 1601]	3643	[2617, 5650]	6427	[8404, 8405]	9211	[10291, 3316]
860	[1602, 1603]	3644	[4890, 5651]	6428	[8406, 8407]	9212	[10292, 8122]
861	[1604, 1605]	3645	[5652, 2690]	6429	[8249, 3476]	9213	[7814, 3978]
862	[1606, 1607]	3646	[5233, 5653]	6430	[8408, 8259]	9214	[7292, 10293]
863	[1608, 1609]	3647	[5654, 5655]	6431	[8409, 6946]	9215	[7223, 4273]
864	[1610, 1287]	3648	[2067, 2914]	6432	[8410, 7048]	9216	[7226, 4603]
865	[1611, 1612]	3649	[5656, 5514]	6433	[8411, 8412]	9217	[10294, 3768]
866	[1613, 1614]	3650	[5657, 2768]	6434	[8413, 8190]	9218	[4771, 4313]
867	[1615, 1616]	3651	[5658, 2154]	6435	[7766, 4704]	9219	[6977, 7326]
868	[1617, 979]	3652	[5659, 5660]	6436	[3725, 8414]	9220	[1198, 1529]
869	[1618, 1619]	3653	[5340, 5661]	6437	[3636, 7027]	9221	[4739, 3425]
870	[1620, 1037]	3654	[5662, 1760]	6438	[3312, 4025]	9222	[1076, 10019]
871	[1621, 1622]	3655	[5663, 2970]	6439	[8415, 3301]	9223	[117, 10295]
872	[1623, 1624]	3656	[2765, 5664]	6440	[8416, 8417]	9224	[8254, 10296]
873	[1625, 1626]	3657	[5665, 2011]	6441	[8418, 6909]	9225	[4010, 6959]
874	[1627, 1628]	3658	[5666, 2900]	6442	[8419, 1584]	9226	[10043, 10154]
875	[1629, 1630]	3659	[5667, 1751]	6443	[8420, 4364]	9227	[10297, 1112]
876	[1631, 1632]	3660	[5668, 5660]	6444	[1049, 6924]	9228	[8030, 411]
877	[270, 1633]	3661	[5669, 5372]	6445	[8421, 4353]	9229	[10298, 3835]
878	[274, 1634]	3662	[4928, 5477]	6446	[8088, 1466]	9230	[10299, 7782]
879	[1635, 1193]	3663	[5670, 5671]	6447	[3930, 3422]	9231	[10300, 3631]
880	[1636, 1637]	3664	[5672, 5673]	6448	[8422, 3617]	9232	[3063, 6909]
881	[1638, 1639]	3665	[5674, 5675]	6449	[3415, 7660]	9233	[10301, 7187]
882	[1640, 1641]	3666	[5676, 1820]	6450	[301, 3141]	9234	[1137, 8378]
883	[1642, 1643]	3667	[2019, 821]	6451	[8423, 1702]	9235	[327, 10302]
884	[1644, 1645]	3668	[5677, 5678]	6452	[8424, 4777]	9236	[10303, 3954]
885	[1646, 302]	3669	[5679, 5680]	6453	[8386, 7966]	9237	[962, 7648]
886	[1647, 1648]	3670	[878, 5408]	6454	[8425, 8426]	9238	[4216, 10304]
887	[1649, 1650]	3671	[5681, 5682]	6455	[4373, 7386]	9239	[7372, 3411]
888	[1651, 1652]	3672	[4956, 5683]	6456	[287, 1048]	9240	[10305, 1113]
889	[1653, 1654]	3673	[5684, 2718]	6457	[1154, 3444]	9241	[4158, 8136]
890	[1655, 1656]	3674	[5685, 2589]	6458	[3990, 8322]	9242	[7198, 6864]
891	[1483, 1657]	3675	[2509, 5686]	6459	[8427, 8428]	9243	[1137, 10306]
892	[1658, 1659]	3676	[5687, 5688]	6460	[3969, 8429]	9244	[10307, 3308]
893	[1660, 1661]	3677	[2429, 5689]	6461	[8218, 8430]	9245	[3433, 4795]
894	[1662, 1663]	3678	[5690, 5691]	6462	[8431, 3192]	9246	[8612, 10308]
895	[1664, 1665]	3679	[5692, 5693]	6463	[8432, 3218]	9247	[10309, 8486]
896	[1666, 1667]	3680	[5694, 594]	6464	[8433, 8434]	9248	[10310, 7859]
897	[1668, 1669]	3681	[5695, 535]	6465	[8435, 1491]	9249	[4341, 7886]

898	[1670, 1671]	3682	[2136, 5696]	6466	[8056, 1079]	9250	[10311, 7462]
899	[1551, 1672]	3683	[1962, 5697]	6467	[8436, 3713]	9251	[8129, 7621]
900	[1673, 1674]	3684	[2920, 2488]	6468	[7680, 8437]	9252	[7094, 6973]
901	[1675, 1676]	3685	[5698, 5699]	6469	[8438, 452]	9253	[10312, 82]
902	[1677, 1678]	3686	[5700, 184]	6470	[8439, 3632]	9254	[10313, 4011]
903	[1679, 1610]	3687	[5701, 182]	6471	[8440, 7385]	9255	[1560, 1625]
904	[1680, 322]	3688	[5702, 5703]	6472	[1455, 8441]	9256	[10314, 998]
905	[1681, 102]	3689	[5704, 5169]	6473	[8442, 3719]	9257	[10315, 7201]
906	[1682, 1351]	3690	[1845, 5705]	6474	[8443, 7386]	9258	[10316, 7665]
907	[1683, 1684]	3691	[2056, 5706]	6475	[1091, 8444]	9259	[1171, 10317]
908	[1685, 373]	3692	[5707, 183]	6476	[8445, 7193]	9260	[6990, 10318]
909	[1686, 1687]	3693	[2490, 5708]	6477	[8446, 992]	9261	[8667, 7712]
910	[1688, 1234]	3694	[5709, 5486]	6478	[8447, 1070]	9262	[10319, 3320]
911	[1689, 1448]	3695	[5710, 765]	6479	[7117, 4442]	9263	[8023, 10320]
912	[1690, 1691]	3696	[2614, 5281]	6480	[8448, 1198]	9264	[10321, 8144]
913	[1692, 1693]	3697	[5711, 2903]	6481	[8449, 3875]	9265	[1146, 10322]
914	[1694, 89]	3698	[5712, 5713]	6482	[8450, 4658]	9266	[8081, 3286]
915	[1695, 1696]	3699	[2379, 5714]	6483	[8451, 8452]	9267	[10323, 476]
916	[1697, 1698]	3700	[5715, 5313]	6484	[8453, 7645]	9268	[10324, 381]
917	[1699, 1700]	3701	[5716, 5717]	6485	[8454, 8455]	9269	[417, 7492]
918	[1701, 1702]	3702	[5718, 5598]	6486	[8456, 3784]	9270	[8139, 7818]
919	[1703, 1704]	3703	[5183, 13]	6487	[3196, 8047]	9271	[7829, 7710]
920	[1705, 1706]	3704	[5719, 2951]	6488	[7313, 4191]	9272	[1464, 8711]
921	[1707, 1708]	3705	[5720, 2432]	6489	[84, 8457]	9273	[1320, 8407]
922	[1709, 1710]	3706	[5721, 5009]	6490	[7917, 7582]	9274	[10325, 7068]
923	[1711, 1712]	3707	[854, 4815]	6491	[3703, 7217]	9275	[4481, 7199]
924	[1713, 1714]	3708	[5722, 5723]	6492	[7911, 8458]	9276	[3619, 1369]
925	[1715, 1716]	3709	[5724, 5417]	6493	[8296, 3894]	9277	[308, 3128]
926	[1717, 1718]	3710	[5725, 5726]	6494	[8459, 7778]	9278	[10326, 7692]
927	[1719, 1720]	3711	[522, 5372]	6495	[8460, 8461]	9279	[7604, 4270]
928	[1721, 1693]	3712	[5727, 5728]	6496	[3110, 8236]	9280	[4537, 10327]
929	[1722, 1723]	3713	[5729, 2740]	6497	[7319, 3711]	9281	[7784, 4391]
930	[1724, 1725]	3714	[5730, 5731]	6498	[119, 6888]	9282	[10328, 3878]
931	[200, 1726]	3715	[5732, 501]	6499	[8462, 8463]	9283	[7593, 8638]
932	[1727, 1728]	3716	[5733, 5734]	6500	[6889, 4087]	9284	[10329, 3465]
933	[1729, 1730]	3717	[5332, 709]	6501	[8464, 8465]	9285	[10330, 8334]
934	[1731, 1732]	3718	[5735, 1981]	6502	[8466, 3343]	9286	[10331, 3310]
935	[1733, 222]	3719	[5736, 2480]	6503	[8467, 3733]	9287	[10332, 10333]
936	[1734, 1735]	3720	[4882, 5737]	6504	[8215, 7299]	9288	[8195, 10334]
937	[1736, 827]	3721	[5738, 1806]	6505	[7453, 8468]	9289	[8040, 4061]
938	[1737, 1738]	3722	[5739, 5423]	6506	[8469, 119]	9290	[10075, 355]
939	[1739, 1740]	3723	[2560, 5532]	6507	[8470, 7884]	9291	[7567, 8018]
940	[1741, 847]	3724	[5740, 5741]	6508	[8471, 7312]	9292	[10118, 8017]
941	[1742, 1743]	3725	[5742, 1729]	6509	[8472, 8473]	9293	[10335, 10116]

942	[1744, 1745]	3726	[5743, 870]	6510	[8474, 3149]	9294	[3817, 10336]
943	[1746, 1747]	3727	[5744, 2762]	6511	[1224, 8475]	9295	[4678, 10337]
944	[1748, 1749]	3728	[5745, 2945]	6512	[1263, 8476]	9296	[10338, 4412]
945	[1750, 1751]	3729	[5746, 5747]	6513	[8477, 8478]	9297	[1047, 3033]
946	[1752, 895]	3730	[5748, 5147]	6514	[8185, 7797]	9298	[10339, 3963]
947	[1753, 1754]	3731	[5749, 5750]	6515	[8479, 8480]	9299	[1211, 6988]
948	[1755, 1756]	3732	[5751, 5206]	6516	[8481, 441]	9300	[10340, 7296]
949	[1757, 1758]	3733	[2397, 2892]	6517	[4574, 8482]	9301	[10341, 10342]
950	[1759, 1760]	3734	[5752, 5753]	6518	[6933, 8483]	9302	[10343, 7559]
951	[1761, 1762]	3735	[5754, 5755]	6519	[8484, 3786]	9303	[8020, 10281]
952	[1763, 1764]	3736	[2718, 5756]	6520	[4062, 7016]	9304	[8009, 1224]
953	[1765, 1766]	3737	[5757, 1849]	6521	[8485, 8486]	9305	[10344, 3409]
954	[1767, 1768]	3738	[5645, 5758]	6522	[3318, 8487]	9306	[4494, 4140]
955	[1769, 1770]	3739	[5759, 2178]	6523	[8488, 8217]	9307	[8674, 1604]
956	[1771, 1772]	3740	[654, 5760]	6524	[3089, 3467]	9308	[7007, 10345]
957	[1773, 1774]	3741	[2916, 5761]	6525	[1282, 7185]	9309	[1468, 10346]
958	[1775, 1776]	3742	[5762, 2696]	6526	[8489, 7134]	9310	[7862, 7287]
959	[1777, 1778]	3743	[4874, 5763]	6527	[942, 7262]	9311	[4402, 1394]
960	[1779, 1780]	3744	[5764, 2656]	6528	[4336, 1010]	9312	[3360, 8204]
961	[1781, 1782]	3745	[5765, 842]	6529	[1677, 4123]	9313	[10347, 8332]
962	[1783, 730]	3746	[5766, 5767]	6530	[8367, 8490]	9314	[10348, 8529]
963	[1784, 1785]	3747	[5768, 5769]	6531	[4251, 3979]	9315	[10349, 1316]
964	[1786, 1787]	3748	[2918, 246]	6532	[1016, 3069]	9316	[1315, 4785]
965	[1788, 607]	3749	[5770, 2845]	6533	[4404, 8491]	9317	[4777, 10134]
966	[1789, 1790]	3750	[5771, 2210]	6534	[1518, 8492]	9318	[3802, 10350]
967	[1791, 1792]	3751	[5772, 2792]	6535	[7652, 8493]	9319	[3024, 10351]
968	[1793, 1794]	3752	[4897, 5773]	6536	[8494, 1375]	9320	[7433, 4464]
969	[1795, 1796]	3753	[2328, 5774]	6537	[7750, 4543]	9321	[10301, 10352]
970	[1797, 1798]	3754	[5775, 2881]	6538	[8495, 1279]	9322	[10353, 6939]
971	[1799, 1800]	3755	[5776, 2370]	6539	[3410, 7360]	9323	[3676, 3096]
972	[1801, 1802]	3756	[5777, 5478]	6540	[7236, 8496]	9324	[10354, 3868]
973	[1803, 1804]	3757	[5778, 5779]	6541	[8497, 1150]	9325	[10355, 8213]
974	[1805, 1806]	3758	[4872, 2974]	6542	[4516, 1553]	9326	[3483, 6915]
975	[44, 1807]	3759	[2260, 5780]	6543	[7308, 7202]	9327	[3857, 4727]
976	[1808, 1809]	3760	[5781, 5782]	6544	[8498, 8499]	9328	[8607, 10356]
977	[1810, 1811]	3761	[5783, 2086]	6545	[4723, 8500]	9329	[7579, 3701]
978	[1812, 1813]	3762	[5784, 5785]	6546	[7340, 7396]	9330	[986, 7765]
979	[1814, 811]	3763	[5786, 5787]	6547	[3702, 7789]	9331	[1331, 10357]
980	[1815, 1816]	3764	[5788, 1940]	6548	[1395, 8501]	9332	[10358, 10359]
981	[1817, 1818]	3765	[5789, 5790]	6549	[3350, 1066]	9333	[411, 4478]
982	[1819, 534]	3766	[5791, 5792]	6550	[8502, 3546]	9334	[10062, 7142]
983	[1820, 1821]	3767	[5793, 5794]	6551	[8503, 269]	9335	[8531, 10360]
984	[1822, 1823]	3768	[5795, 581]	6552	[8504, 4029]	9336	[10361, 4245]
985	[1824, 1825]	3769	[5796, 2352]	6553	[8505, 8506]	9337	[3400, 8560]

986	[1826, 1827]	3770	[5797, 5798]	6554	[8507, 397]	9338	[10362, 7743]
987	[1828, 1829]	3771	[758, 582]	6555	[3411, 8508]	9339	[1188, 4597]
988	[1830, 1831]	3772	[5799, 5800]	6556	[8509, 3831]	9340	[7379, 1565]
989	[1832, 1833]	3773	[5801, 570]	6557	[3881, 8426]	9341	[8664, 1040]
990	[1834, 499]	3774	[5802, 5803]	6558	[7287, 3755]	9342	[10363, 1399]
991	[1835, 1836]	3775	[2497, 507]	6559	[8510, 8405]	9343	[10364, 3721]
992	[1837, 1838]	3776	[5804, 5805]	6560	[1015, 8511]	9344	[4258, 10365]
993	[1839, 1840]	3777	[5806, 5807]	6561	[7782, 4082]	9345	[10366, 4185]
994	[1841, 1842]	3778	[5808, 2651]	6562	[8512, 8513]	9346	[8084, 6942]
995	[1843, 1844]	3779	[4964, 5809]	6563	[6931, 4711]	9347	[10367, 7636]
996	[1845, 1846]	3780	[5810, 5083]	6564	[3067, 8401]	9348	[10173, 10368]
997	[1847, 1848]	3781	[5811, 1832]	6565	[8514, 7760]	9349	[10369, 10370]
998	[194, 1849]	3782	[5812, 860]	6566	[8515, 7933]	9350	[89, 4149]
999	[1850, 1851]	3783	[5244, 2900]	6567	[1437, 3038]	9351	[4626, 10371]
1000	[1852, 1853]	3784	[5813, 5814]	6568	[4509, 7809]	9352	[371, 4389]
1001	[1854, 1855]	3785	[5815, 5714]	6569	[7226, 3240]	9353	[10372, 3793]
1002	[1856, 1857]	3786	[5816, 5339]	6570	[95, 1604]	9354	[10061, 4134]
1003	[1858, 1859]	3787	[5817, 201]	6571	[8492, 4452]	9355	[2987, 3383]
1004	[1860, 1861]	3788	[5818, 5541]	6572	[7264, 1000]	9356	[7534, 10373]
1005	[1862, 1863]	3789	[5819, 5244]	6573	[8510, 8516]	9357	[1218, 10188]
1006	[1864, 1865]	3790	[5820, 2290]	6574	[8517, 1337]	9358	[10374, 9973]
1007	[1866, 1815]	3791	[5821, 5822]	6575	[8518, 8519]	9359	[10375, 10376]
1008	[1867, 1868]	3792	[5823, 5824]	6576	[8520, 1069]	9360	[10377, 8565]
1009	[1869, 1870]	3793	[5825, 2933]	6577	[7246, 7848]	9361	[10378, 7215]
1010	[1871, 1872]	3794	[5826, 5827]	6578	[7575, 1516]	9362	[7530, 8011]
1011	[1873, 1874]	3795	[5828, 649]	6579	[8521, 1266]	9363	[8307, 10379]
1012	[1875, 1876]	3796	[5232, 45]	6580	[8522, 3377]	9364	[3773, 966]
1013	[1877, 1878]	3797	[5829, 5830]	6581	[8523, 4440]	9365	[3541, 3251]
1014	[1782, 1879]	3798	[5831, 5304]	6582	[437, 8524]	9366	[7076, 8145]
1015	[1880, 1881]	3799	[5832, 5833]	6583	[8525, 7969]	9367	[3679, 6933]
1016	[1882, 1883]	3800	[5834, 2501]	6584	[8526, 3352]	9368	[7199, 6865]
1017	[1884, 1885]	3801	[5835, 5049]	6585	[1168, 7696]	9369	[7077, 3737]
1018	[1886, 1887]	3802	[5836, 5837]	6586	[8527, 7021]	9370	[4597, 7616]
1019	[1888, 161]	3803	[5838, 5308]	6587	[8528, 8529]	9371	[10380, 7494]
1020	[1889, 1890]	3804	[5839, 5840]	6588	[8058, 3401]	9372	[10381, 1397]
1021	[1891, 1892]	3805	[5841, 234]	6589	[8530, 3748]	9373	[3753, 10382]
1022	[1893, 1894]	3806	[5842, 5843]	6590	[4345, 3473]	9374	[3984, 8223]
1023	[1895, 1896]	3807	[5844, 2121]	6591	[4529, 7840]	9375	[10383, 1674]
1024	[1897, 1898]	3808	[5845, 2978]	6592	[3866, 6897]	9376	[4764, 3036]
1025	[1899, 1900]	3809	[726, 2005]	6593	[8531, 8532]	9377	[10384, 7371]
1026	[1901, 1902]	3810	[5846, 5847]	6594	[4204, 3944]	9378	[10385, 7794]
1027	[1903, 869]	3811	[2349, 918]	6595	[4585, 7561]	9379	[10386, 3110]
1028	[1904, 1905]	3812	[2015, 5848]	6596	[8533, 4175]	9380	[8392, 955]
1029	[1906, 1907]	3813	[672, 5849]	6597	[994, 8161]	9381	[4496, 10387]

1030	[1908, 1909]	3814	[5850, 5851]	6598	[3931, 8534]	9382	[10388, 3303]
1031	[1910, 1911]	3815	[4822, 5554]	6599	[8535, 8536]	9383	[10389, 8603]
1032	[1912, 1913]	3816	[2954, 5852]	6600	[8300, 8401]	9384	[9994, 7318]
1033	[1914, 1915]	3817	[5853, 5854]	6601	[8537, 1160]	9385	[7050, 4092]
1034	[1916, 815]	3818	[5855, 2163]	6602	[8538, 8219]	9386	[10390, 4563]
1035	[1917, 1918]	3819	[5856, 2902]	6603	[4001, 7596]	9387	[10391, 990]
1036	[1919, 1920]	3820	[5857, 5858]	6604	[8539, 1288]	9388	[3536, 10357]
1037	[1921, 907]	3821	[1894, 5859]	6605	[8540, 7605]	9389	[10211, 3870]
1038	[1922, 1923]	3822	[5860, 705]	6606	[8541, 7944]	9390	[10392, 10393]
1039	[1924, 1925]	3823	[5861, 5862]	6607	[1303, 4679]	9391	[4551, 1007]
1040	[1926, 1927]	3824	[1993, 5863]	6608	[8044, 3480]	9392	[10394, 323]
1041	[1928, 911]	3825	[5864, 5865]	6609	[1561, 1626]	9393	[10395, 4173]
1042	[1929, 1930]	3826	[5247, 5866]	6610	[8542, 3373]	9394	[3813, 4649]
1043	[560, 1931]	3827	[5867, 5159]	6611	[266, 7319]	9395	[10396, 3956]
1044	[1932, 1933]	3828	[5868, 5869]	6612	[8543, 8544]	9396	[8487, 1621]
1045	[1934, 1935]	3829	[5870, 693]	6613	[8545, 3995]	9397	[10018, 10397]
1046	[1936, 925]	3830	[5497, 2552]	6614	[8546, 1516]	9398	[1697, 10282]
1047	[1937, 1938]	3831	[2593, 2931]	6615	[8547, 8536]	9399	[10398, 992]
1048	[141, 1939]	3832	[5871, 5235]	6616	[3155, 8548]	9400	[3474, 3887]
1049	[143, 1940]	3833	[5872, 5090]	6617	[8549, 8478]	9401	[3603, 3497]
1050	[1941, 1942]	3834	[2710, 4830]	6618	[8550, 3174]	9402	[3233, 3823]
1051	[1943, 579]	3835	[5873, 2231]	6619	[8551, 4281]	9403	[10399, 1495]
1052	[1944, 1945]	3836	[2598, 1976]	6620	[8552, 3530]	9404	[974, 7897]
1053	[1946, 1829]	3837	[5874, 4825]	6621	[6965, 7907]	9405	[3421, 3659]
1054	[1947, 1948]	3838	[5255, 5875]	6622	[3850, 8553]	9406	[10400, 3223]
1055	[1949, 1950]	3839	[5876, 2268]	6623	[3731, 8554]	9407	[3549, 4667]
1056	[1951, 1952]	3840	[5877, 2548]	6624	[7461, 3416]	9408	[10401, 10402]
1057	[1953, 1954]	3841	[5878, 2607]	6625	[7772, 8555]	9409	[7412, 7178]
1058	[1955, 1956]	3842	[5879, 5880]	6626	[8377, 4069]	9410	[10073, 4164]
1059	[1957, 1958]	3843	[4848, 1741]	6627	[8556, 3510]	9411	[10403, 10205]
1060	[1959, 1960]	3844	[5881, 5882]	6628	[4347, 75]	9412	[10404, 10284]
1061	[1961, 1962]	3845	[5883, 5884]	6629	[3748, 6896]	9413	[10405, 973]
1062	[1963, 1964]	3846	[5885, 5482]	6630	[4202, 8249]	9414	[4175, 10406]
1063	[1965, 1966]	3847	[5886, 719]	6631	[4658, 8557]	9415	[10407, 4470]
1064	[1967, 1968]	3848	[5887, 5701]	6632	[3018, 7305]	9416	[80, 7973]
1065	[1969, 1970]	3849	[2848, 2464]	6633	[8558, 4319]	9417	[456, 472]
1066	[1971, 813]	3850	[5888, 2839]	6634	[8559, 8560]	9418	[7482, 10408]
1067	[1972, 1973]	3851	[2339, 5889]	6635	[4574, 4665]	9419	[4389, 1156]
1068	[1974, 1735]	3852	[5890, 5891]	6636	[8561, 8562]	9420	[10409, 3457]
1069	[1975, 1976]	3853	[5892, 2788]	6637	[7961, 4190]	9421	[8614, 10410]
1070	[1977, 1978]	3854	[5893, 5894]	6638	[8563, 3054]	9422	[10411, 3243]
1071	[861, 1979]	3855	[5895, 5896]	6639	[8564, 8565]	9423	[8446, 3484]
1072	[1980, 1981]	3856	[921, 5897]	6640	[3591, 8566]	9424	[1024, 3232]
1073	[1982, 1983]	3857	[5898, 5899]	6641	[8567, 1339]	9425	[10412, 7021]

1074	[1984, 1985]	3858	[5900, 5901]	6642	[4753, 7507]	9426	[10413, 1545]
1075	[1986, 1987]	3859	[5902, 5903]	6643	[442, 7960]	9427	[3993, 8300]
1076	[1988, 220]	3860	[5904, 5905]	6644	[8568, 7581]	9428	[8511, 3994]
1077	[755, 1989]	3861	[2036, 5101]	6645	[8569, 7968]	9429	[8201, 10219]
1078	[1990, 1991]	3862	[5906, 2584]	6646	[8570, 3616]	9430	[10414, 3903]
1079	[1992, 1993]	3863	[5907, 197]	6647	[8571, 8572]	9431	[3327, 7359]
1080	[1994, 1995]	3864	[5908, 2098]	6648	[8573, 1242]	9432	[10415, 10275]
1081	[1996, 1997]	3865	[5909, 5910]	6649	[8574, 8575]	9433	[10056, 4715]
1082	[1998, 1999]	3866	[5911, 2853]	6650	[7332, 4178]	9434	[7853, 1137]
1083	[2000, 2001]	3867	[2298, 5912]	6651	[7127, 7721]	9435	[931, 1237]
1084	[2002, 2003]	3868	[5913, 2593]	6652	[8164, 8576]	9436	[7275, 7222]
1085	[2004, 2005]	3869	[5914, 4870]	6653	[7052, 1276]	9437	[10368, 7019]
1086	[2006, 2007]	3870	[5915, 5916]	6654	[452, 8577]	9438	[3726, 3308]
1087	[2008, 540]	3871	[216, 5830]	6655	[8578, 8579]	9439	[3955, 10416]
1088	[2009, 60]	3872	[2638, 5686]	6656	[8580, 7766]	9440	[10417, 1231]
1089	[2010, 859]	3873	[5917, 5186]	6657	[8581, 8582]	9441	[8237, 3857]
1090	[2011, 1894]	3874	[5186, 887]	6658	[8583, 7130]	9442	[6862, 7245]
1091	[2012, 2013]	3875	[2891, 5260]	6659	[1276, 113]	9443	[10418, 3339]
1092	[2014, 2015]	3876	[5918, 2381]	6660	[8584, 3298]	9444	[10419, 1110]
1093	[2016, 2017]	3877	[5919, 2918]	6661	[8585, 4612]	9445	[10420, 8072]
1094	[2018, 2019]	3878	[5920, 5921]	6662	[6920, 4617]	9446	[10421, 4538]
1095	[2020, 2021]	3879	[2430, 2693]	6663	[7840, 932]	9447	[7484, 3231]
1096	[2022, 2023]	3880	[4862, 2550]	6664	[1376, 8586]	9448	[4778, 7565]
1097	[2024, 2025]	3881	[5922, 238]	6665	[8587, 261]	9449	[10422, 10093]
1098	[2026, 2027]	3882	[5923, 5924]	6666	[8588, 1307]	9450	[3759, 10423]
1099	[2028, 2029]	3883	[5925, 4915]	6667	[3937, 8589]	9451	[7880, 10424]
1100	[2030, 2031]	3884	[5926, 5927]	6668	[3680, 8483]	9452	[10425, 7232]
1101	[2032, 2033]	3885	[2509, 2639]	6669	[115, 8254]	9453	[6942, 264]
1102	[2034, 2033]	3886	[5928, 5929]	6670	[8590, 1710]	9454	[4779, 8678]
1103	[2035, 2036]	3887	[5930, 2015]	6671	[3318, 3710]	9455	[1391, 10426]
1104	[2037, 2038]	3888	[5931, 5932]	6672	[8591, 4549]	9456	[10427, 7296]
1105	[2039, 2040]	3889	[5933, 759]	6673	[8592, 8476]	9457	[6889, 4062]
1106	[2041, 647]	3890	[5934, 1732]	6674	[8593, 3669]	9458	[1433, 10428]
1107	[2042, 2043]	3891	[5935, 5936]	6675	[8594, 7707]	9459	[7693, 7996]
1108	[2044, 2045]	3892	[5937, 5938]	6676	[8595, 3596]	9460	[10429, 7243]
1109	[2046, 2047]	3893	[5939, 687]	6677	[8596, 1273]	9461	[3530, 10430]
1110	[2048, 2049]	3894	[5940, 5491]	6678	[4664, 8482]	9462	[10431, 3623]
1111	[2050, 801]	3895	[1931, 5941]	6679	[7617, 8597]	9463	[10432, 10433]
1112	[2051, 2052]	3896	[5942, 5943]	6680	[8598, 8599]	9464	[10434, 7459]
1113	[2053, 2054]	3897	[2062, 2500]	6681	[1369, 7839]	9465	[3022, 10435]
1114	[2055, 602]	3898	[5944, 5945]	6682	[4530, 8600]	9466	[3282, 10428]
1115	[2056, 2057]	3899	[5946, 5127]	6683	[987, 8601]	9467	[8025, 8621]
1116	[1864, 2058]	3900	[852, 2114]	6684	[3189, 4123]	9468	[10436, 4639]
1117	[2059, 8]	3901	[5947, 864]	6685	[8045, 3169]	9469	[4136, 6890]

1118	[2060, 2061]	3902	[5948, 1793]	6686	[8412, 8602]	9470	[3595, 10437]
1119	[2062, 2063]	3903	[5949, 5453]	6687	[7410, 8603]	9471	[10438, 1221]
1120	[2064, 2065]	3904	[2329, 5366]	6688	[8604, 7400]	9472	[10439, 8320]
1121	[2066, 569]	3905	[5950, 2896]	6689	[7253, 7624]	9473	[10440, 3961]
1122	[2067, 751]	3906	[5951, 5952]	6690	[1306, 7921]	9474	[10441, 4006]
1123	[2068, 2069]	3907	[5953, 5954]	6691	[8262, 8605]	9475	[381, 6930]
1124	[2070, 2071]	3908	[5955, 5956]	6692	[3535, 8606]	9476	[3533, 3060]
1125	[2072, 2073]	3909	[5957, 5396]	6693	[8607, 8608]	9477	[4667, 3003]
1126	[2074, 2075]	3910	[887, 2284]	6694	[8609, 8610]	9478	[8198, 8501]
1127	[2076, 2077]	3911	[2888, 2197]	6695	[8611, 88]	9479	[10442, 7717]
1128	[2078, 486]	3912	[5958, 2171]	6696	[8612, 8093]	9480	[8701, 6853]
1129	[2079, 2080]	3913	[5959, 5960]	6697	[8613, 8083]	9481	[10443, 10295]
1130	[2081, 2082]	3914	[5961, 5962]	6698	[8614, 8615]	9482	[7016, 3225]
1131	[2083, 2084]	3915	[5963, 1800]	6699	[8616, 3311]	9483	[10444, 349]
1132	[2085, 2086]	3916	[5964, 5965]	6700	[8617, 8346]	9484	[7953, 8097]
1133	[2087, 2088]	3917	[5966, 716]	6701	[8618, 294]	9485	[10445, 3848]
1134	[2089, 2090]	3918	[5395, 5967]	6702	[1121, 3915]	9486	[8128, 3813]
1135	[2091, 2092]	3919	[5419, 2804]	6703	[8619, 8620]	9487	[10446, 3600]
1136	[2093, 2094]	3920	[5968, 2428]	6704	[1118, 8621]	9488	[10434, 10447]
1137	[2095, 2096]	3921	[5969, 5970]	6705	[8622, 4309]	9489	[7601, 1123]
1138	[1893, 2097]	3922	[5971, 2780]	6706	[4164, 76]	9490	[8349, 7219]
1139	[2098, 2099]	3923	[5972, 1938]	6707	[8623, 3857]	9491	[8235, 3111]
1140	[2100, 2101]	3924	[5973, 5974]	6708	[8624, 6926]	9492	[10448, 3514]
1141	[2102, 2103]	3925	[2857, 5975]	6709	[8167, 8500]	9493	[3412, 4560]
1142	[2104, 2105]	3926	[5976, 5977]	6710	[1723, 1338]	9494	[10380, 971]
1143	[2106, 2107]	3927	[5978, 5979]	6711	[8625, 8626]	9495	[10449, 7156]
1144	[2108, 2109]	3928	[137, 5980]	6712	[8627, 297]	9496	[10450, 3398]
1145	[2110, 2111]	3929	[5402, 5981]	6713	[8628, 1672]	9497	[3005, 4772]
1146	[2112, 2113]	3930	[5982, 5983]	6714	[8629, 3687]	9498	[10451, 10046]
1147	[2114, 2115]	3931	[5984, 2347]	6715	[1200, 8630]	9499	[10300, 8439]
1148	[2086, 2116]	3932	[5985, 5382]	6716	[4354, 1663]	9500	[10452, 4672]
1149	[2117, 2118]	3933	[5369, 2131]	6717	[8631, 7175]	9501	[315, 1668]
1150	[2119, 2120]	3934	[5986, 5493]	6718	[3224, 6861]	9502	[10453, 7173]
1151	[2121, 2122]	3935	[5987, 5806]	6719	[8632, 6923]	9503	[3178, 7377]
1152	[2123, 2124]	3936	[5988, 2423]	6720	[8633, 1300]	9504	[9983, 10454]
1153	[2125, 2126]	3937	[5989, 5412]	6721	[8109, 1170]	9505	[1366, 7686]
1154	[2127, 181]	3938	[5990, 5824]	6722	[8634, 3630]	9506	[4654, 10402]
1155	[8, 2128]	3939	[2214, 5991]	6723	[3167, 7998]	9507	[1615, 4717]
1156	[2129, 558]	3940	[5772, 5992]	6724	[8208, 8525]	9508	[10455, 10456]
1157	[2130, 2131]	3941	[5993, 5994]	6725	[7022, 8635]	9509	[4509, 248]
1158	[2132, 1870]	3942	[5995, 5996]	6726	[7118, 8636]	9510	[10457, 4180]
1159	[2133, 2134]	3943	[5997, 541]	6727	[8637, 8015]	9511	[10458, 10259]
1160	[2135, 2136]	3944	[5998, 5999]	6728	[1117, 8638]	9512	[1337, 931]
1161	[2137, 1933]	3945	[6000, 6001]	6729	[3322, 1390]	9513	[1126, 10221]

1162	[1887, 230]	3946	[6002, 748]	6730	[8639, 3522]	9514	[10459, 8096]
1163	[2138, 2139]	3947	[6003, 5614]	6731	[8640, 7622]	9515	[8271, 8475]
1164	[2140, 2141]	3948	[6004, 5538]	6732	[8641, 110]	9516	[951, 10460]
1165	[1978, 2142]	3949	[6005, 6006]	6733	[8412, 8371]	9517	[10461, 4312]
1166	[2143, 2144]	3950	[5992, 2793]	6734	[4281, 8247]	9518	[4272, 4608]
1167	[2145, 683]	3951	[6007, 2671]	6735	[8642, 3568]	9519	[7275, 7009]
1168	[2146, 2147]	3952	[6008, 681]	6736	[3402, 3420]	9520	[10462, 3637]
1169	[2148, 1939]	3953	[6009, 5317]	6737	[8643, 965]	9521	[7041, 7107]
1170	[2149, 2150]	3954	[6010, 2427]	6738	[3030, 8175]	9522	[2987, 10463]
1171	[2151, 2152]	3955	[6011, 6012]	6739	[3473, 7761]	9523	[20, 4358]
1172	[2153, 2154]	3956	[2900, 134]	6740	[4622, 8163]	9524	[10464, 4291]
1173	[2155, 245]	3957	[599, 6013]	6741	[6913, 3510]	9525	[10465, 10466]
1174	[2156, 2157]	3958	[6014, 5750]	6742	[4171, 7494]	9526	[7200, 10467]
1175	[2158, 617]	3959	[6015, 5913]	6743	[8644, 985]	9527	[2991, 3833]
1176	[2159, 2160]	3960	[6016, 6017]	6744	[8645, 1130]	9528	[1041, 4400]
1177	[2161, 1873]	3961	[6018, 150]	6745	[7996, 7938]	9529	[10468, 4463]
1178	[2162, 2163]	3962	[6019, 2445]	6746	[8646, 1020]	9530	[7811, 7196]
1179	[2164, 2165]	3963	[6020, 6021]	6747	[8647, 90]	9531	[1474, 7551]
1180	[2166, 2167]	3964	[6022, 5642]	6748	[1053, 6890]	9532	[443, 7961]
1181	[2168, 2169]	3965	[6023, 2469]	6749	[8648, 1118]	9533	[3705, 7543]
1182	[2170, 2171]	3966	[5973, 6024]	6750	[3911, 1250]	9534	[8569, 10469]
1183	[2172, 890]	3967	[1820, 6025]	6751	[7704, 3643]	9535	[7475, 3711]
1184	[2173, 2174]	3968	[5487, 2778]	6752	[8649, 8280]	9536	[10470, 10123]
1185	[2175, 2176]	3969	[6026, 6027]	6753	[8650, 4528]	9537	[10471, 3082]
1186	[1902, 2177]	3970	[6028, 6029]	6754	[3835, 4667]	9538	[3112, 10317]
1187	[2178, 2179]	3971	[6030, 6031]	6755	[4101, 108]	9539	[10472, 7771]
1188	[2180, 2181]	3972	[6032, 5302]	6756	[8394, 8651]	9540	[10473, 4016]
1189	[2182, 2183]	3973	[6033, 5994]	6757	[8652, 3127]	9541	[10112, 1628]
1190	[2184, 2185]	3974	[6034, 6035]	6758	[8653, 7377]	9542	[3770, 10474]
1191	[2186, 2187]	3975	[2307, 5489]	6759	[8654, 8655]	9543	[3865, 6896]
1192	[2134, 2188]	3976	[6036, 2456]	6760	[7759, 3746]	9544	[1011, 4065]
1193	[2189, 2190]	3977	[6037, 5638]	6761	[8656, 3384]	9545	[3680, 10286]
1194	[2191, 2192]	3978	[6038, 867]	6762	[1003, 8657]	9546	[10475, 10370]
1195	[2193, 2194]	3979	[6039, 2622]	6763	[8658, 8659]	9547	[7280, 4250]
1196	[2195, 2196]	3980	[1953, 829]	6764	[8660, 3747]	9548	[4124, 6961]
1197	[777, 2197]	3981	[6040, 839]	6765	[8661, 8231]	9549	[6935, 3288]
1198	[2198, 2199]	3982	[6041, 5223]	6766	[8662, 8384]	9550	[468, 10111]
1199	[2200, 2201]	3983	[532, 6042]	6767	[8663, 4116]	9551	[10476, 83]
1200	[2202, 2203]	3984	[6043, 6044]	6768	[8664, 8255]	9552	[1021, 8686]
1201	[2204, 2205]	3985	[6045, 6046]	6769	[8665, 3390]	9553	[8492, 3042]
1202	[2206, 2207]	3986	[6047, 4887]	6770	[3011, 3017]	9554	[10477, 7491]
1203	[2208, 2169]	3987	[6048, 2926]	6771	[29, 7933]	9555	[1056, 10478]
1204	[2209, 529]	3988	[5848, 6049]	6772	[8666, 4745]	9556	[10343, 10479]
1205	[2210, 614]	3989	[2017, 2731]	6773	[3722, 7034]	9557	[7134, 3218]

1206	[2021, 2211]	3990	[5374, 204]	6774	[8667, 8314]	9558	[10480, 6927]
1207	[651, 2212]	3991	[6050, 6051]	6775	[8269, 7269]	9559	[6978, 3407]
1208	[2213, 2214]	3992	[6052, 6053]	6776	[8668, 265]	9560	[10481, 1398]
1209	[2215, 2216]	3993	[6054, 6055]	6777	[8669, 3991]	9561	[10482, 10117]
1210	[2217, 2218]	3994	[1881, 721]	6778	[8584, 998]	9562	[10483, 1603]
1211	[2219, 2220]	3995	[6056, 602]	6779	[8606, 18]	9563	[10484, 3921]
1212	[2221, 2222]	3996	[6057, 916]	6780	[3798, 8389]	9564	[10485, 4352]
1213	[52, 2223]	3997	[811, 6058]	6781	[7924, 7490]	9565	[10414, 4631]
1214	[2224, 2098]	3998	[6059, 5515]	6782	[400, 7613]	9566	[4313, 10460]
1215	[2225, 2226]	3999	[6060, 2906]	6783	[8670, 8671]	9567	[7765, 8601]
1216	[1930, 2227]	4000	[6061, 6062]	6784	[4697, 1056]	9568	[10297, 10305]
1217	[2228, 2229]	4001	[4852, 39]	6785	[3378, 3488]	9569	[10486, 6942]
1218	[2230, 2231]	4002	[6063, 6064]	6786	[8672, 8006]	9570	[7999, 7888]
1219	[2232, 2233]	4003	[6065, 5777]	6787	[1608, 8673]	9571	[10487, 7264]
1220	[2234, 544]	4004	[6066, 2761]	6788	[8674, 4127]	9572	[7483, 3230]
1221	[2235, 575]	4005	[6067, 6068]	6789	[6912, 1576]	9573	[10488, 1700]
1222	[2236, 2237]	4006	[6069, 5827]	6790	[266, 7475]	9574	[1175, 10489]
1223	[2238, 2239]	4007	[6070, 6071]	6791	[8675, 386]	9575	[10490, 10491]
1224	[2240, 2241]	4008	[5799, 678]	6792	[8676, 8575]	9576	[7159, 7982]
1225	[2242, 2243]	4009	[2974, 2124]	6793	[8677, 3382]	9577	[4397, 1506]
1226	[2244, 1855]	4010	[6072, 691]	6794	[8678, 7841]	9578	[3349, 2996]
1227	[2245, 2246]	4011	[6073, 6074]	6795	[8679, 8680]	9579	[7209, 10359]
1228	[922, 2247]	4012	[6075, 2236]	6796	[8681, 3622]	9580	[10238, 10356]
1229	[2248, 2249]	4013	[5575, 5422]	6797	[319, 7270]	9581	[8626, 10079]
1230	[2250, 2251]	4014	[6076, 5360]	6798	[1097, 8618]	9582	[10492, 10493]
1231	[566, 2252]	4015	[6077, 4906]	6799	[8682, 3948]	9583	[4216, 8562]
1232	[2253, 2254]	4016	[6078, 5655]	6800	[1653, 261]	9584	[10494, 1336]
1233	[2255, 2256]	4017	[2258, 6079]	6801	[8683, 8409]	9585	[6855, 3333]
1234	[2257, 2258]	4018	[6080, 6081]	6802	[3148, 8684]	9586	[3213, 1246]
1235	[2259, 2260]	4019	[6082, 5062]	6803	[8685, 8686]	9587	[7618, 4105]
1236	[2261, 2262]	4020	[2836, 1809]	6804	[8687, 3645]	9588	[10495, 4181]
1237	[2263, 2264]	4021	[2714, 6083]	6805	[1497, 8552]	9589	[3461, 10496]
1238	[2265, 584]	4022	[834, 6084]	6806	[4415, 1701]	9590	[10184, 4113]
1239	[879, 625]	4023	[6085, 652]	6807	[7451, 3715]	9591	[8594, 7738]
1240	[2266, 2173]	4024	[6086, 1854]	6808	[7286, 3754]	9592	[9959, 4177]
1241	[2267, 2268]	4025	[6087, 6088]	6809	[355, 4372]	9593	[387, 10497]
1242	[2269, 2270]	4026	[806, 2715]	6810	[8688, 359]	9594	[10498, 3194]
1243	[2271, 2272]	4027	[6089, 6090]	6811	[8145, 7182]	9595	[330, 255]
1244	[2273, 2274]	4028	[6091, 2165]	6812	[7503, 24]	9596	[3778, 4233]
1245	[2275, 2276]	4029	[6092, 650]	6813	[434, 8689]	9597	[3273, 10499]
1246	[2277, 2278]	4030	[6093, 6094]	6814	[7272, 8690]	9598	[10283, 10500]
1247	[2279, 2280]	4031	[6095, 2394]	6815	[3984, 7332]	9599	[10326, 4282]
1248	[2281, 701]	4032	[6096, 2961]	6816	[8691, 4783]	9600	[10501, 10011]
1249	[2282, 2283]	4033	[6097, 5261]	6817	[1433, 3283]	9601	[10502, 7625]

1250	[2284, 2285]	4034	[6097, 6095]	6818	[8692, 7746]	9602	[8388, 7157]
1251	[2286, 2287]	4035	[6098, 2891]	6819	[8693, 7322]	9603	[7644, 10503]
1252	[2288, 2289]	4036	[6099, 2357]	6820	[8694, 8553]	9604	[4715, 8673]
1253	[1853, 2290]	4037	[6100, 6101]	6821	[8127, 404]	9605	[4167, 3000]
1254	[2291, 2292]	4038	[6102, 6103]	6822	[4617, 1248]	9606	[10504, 2989]
1255	[2293, 2294]	4039	[2197, 2961]	6823	[8199, 7903]	9607	[10505, 3177]
1256	[2295, 2296]	4040	[5186, 6104]	6824	[8695, 1070]	9608	[3604, 10506]
1257	[2297, 2298]	4041	[6105, 698]	6825	[4228, 8696]	9609	[10507, 7436]
1258	[2299, 2300]	4042	[5638, 2397]	6826	[8697, 306]	9610	[10508, 1519]
1259	[2301, 2302]	4043	[5939, 6106]	6827	[8698, 1328]	9611	[4444, 8630]
1260	[2303, 2304]	4044	[6107, 191]	6828	[3511, 7781]	9612	[3048, 68]
1261	[2305, 599]	4045	[6108, 6109]	6829	[8699, 8700]	9613	[10509, 1310]
1262	[2306, 2307]	4046	[134, 6110]	6830	[277, 7680]	9614	[10398, 3484]
1263	[2308, 2309]	4047	[6111, 6112]	6831	[8701, 7478]	9615	[8433, 8544]
1264	[2310, 2311]	4048	[5492, 6113]	6832	[8702, 3048]	9616	[10510, 6898]
1265	[2285, 2312]	4049	[6114, 722]	6833	[3131, 8077]	9617	[10511, 8037]
1266	[2128, 210]	4050	[5660, 6115]	6834	[7742, 8703]	9618	[8301, 1017]
1267	[2313, 2118]	4051	[6116, 5483]	6835	[8704, 8705]	9619	[2996, 1066]
1268	[2314, 2315]	4052	[1868, 2861]	6836	[8706, 7189]	9620	[7062, 4631]
1269	[2316, 2317]	4053	[6117, 5347]	6837	[6887, 7776]	9621	[2997, 1067]
1270	[2318, 2319]	4054	[206, 6118]	6838	[1369, 8707]	9622	[10512, 2995]
1271	[2320, 555]	4055	[5935, 5197]	6839	[8708, 8274]	9623	[10412, 7181]
1272	[2321, 1905]	4056	[6119, 5254]	6840	[8709, 3641]	9624	[6981, 3608]
1273	[2131, 2322]	4057	[4928, 6120]	6841	[8710, 8711]	9625	[10513, 4429]
1274	[2323, 2324]	4058	[6121, 4947]	6842	[8712, 417]	9626	[10381, 10481]
1275	[2325, 2326]	4059	[6122, 2450]	6843	[8713, 1217]	9627	[8422, 4360]
1276	[2327, 2328]	4060	[754, 4903]	6844	[425, 7350]	9628	[10445, 6899]
1277	[572, 2329]	4061	[6123, 5767]	6845	[1408, 63]	9629	[7694, 7938]
1278	[2330, 2278]	4062	[5769, 6124]	6846	[8714, 8715]	9630	[10514, 10515]
1279	[2331, 2332]	4063	[6125, 2982]	6847	[3122, 4532]	9631	[8254, 8108]
1280	[2333, 2334]	4064	[6126, 2239]	6848	[5384, 5446]	9632	[1685, 7500]
1281	[2335, 2336]	4065	[6127, 5108]	6849	[6817, 8716]	9633	[10516, 10517]
1282	[2337, 2338]	4066	[1964, 6128]	6850	[8717, 6564]	9634	[7668, 10039]
1283	[2339, 2340]	4067	[6129, 5760]	6851	[8718, 6422]	9635	[4418, 10518]
1284	[2341, 2342]	4068	[2319, 842]	6852	[8719, 8720]	9636	[1529, 4713]
1285	[2343, 2344]	4069	[6130, 721]	6853	[8721, 2194]	9637	[1052, 4136]
1286	[2345, 2346]	4070	[6131, 1876]	6854	[8722, 6732]	9638	[3550, 345]
1287	[2347, 2348]	4071	[6132, 2513]	6855	[8723, 889]	9639	[10400, 9993]
1288	[1778, 2349]	4072	[6133, 2776]	6856	[6777, 1811]	9640	[7194, 10519]
1289	[2350, 2319]	4073	[6134, 6081]	6857	[6710, 4898]	9641	[10520, 1555]
1290	[2351, 2352]	4074	[6135, 5899]	6858	[5382, 5739]	9642	[10092, 10521]
1291	[2353, 2354]	4075	[2389, 1916]	6859	[5569, 4952]	9643	[8590, 7015]
1292	[2355, 2356]	4076	[6136, 2546]	6860	[8724, 8725]	9644	[7680, 3371]
1293	[2357, 2358]	4077	[5228, 2270]	6861	[5339, 914]	9645	[8067, 7174]

1294	[2359, 2199]	4078	[6137, 5975]	6862	[8726, 5885]	9646	[10522, 10379]
1295	[2360, 2361]	4079	[6138, 5541]	6863	[1752, 555]	9647	[8355, 3240]
1296	[2362, 704]	4080	[1920, 5854]	6864	[8727, 6682]	9648	[4282, 3757]
1297	[2363, 2364]	4081	[6139, 5811]	6865	[8728, 1743]	9649	[8118, 8028]
1298	[2365, 2366]	4082	[6140, 2481]	6866	[6217, 831]	9650	[10358, 7210]
1299	[2367, 2368]	4083	[6141, 5621]	6867	[8729, 61]	9651	[7584, 10034]
1300	[1840, 2301]	4084	[6142, 5797]	6868	[8730, 1955]	9652	[8041, 3717]
1301	[532, 2369]	4085	[6143, 545]	6869	[4952, 1957]	9653	[7358, 8197]
1302	[2370, 2371]	4086	[6144, 853]	6870	[8731, 8732]	9654	[6850, 7371]
1303	[2372, 901]	4087	[6145, 2836]	6871	[2418, 5699]	9655	[10396, 10416]
1304	[2373, 2374]	4088	[6146, 5720]	6872	[5017, 8733]	9656	[4097, 10382]
1305	[2375, 240]	4089	[6147, 4936]	6873	[5370, 2322]	9657	[10523, 4691]
1306	[2376, 717]	4090	[6148, 1792]	6874	[558, 6437]	9658	[1287, 7103]
1307	[2377, 1918]	4091	[6149, 6150]	6875	[5117, 5614]	9659	[10492, 10342]
1308	[2378, 2379]	4092	[6151, 645]	6876	[4950, 8734]	9660	[7145, 3623]
1309	[2380, 615]	4093	[6152, 6153]	6877	[8735, 5098]	9661	[3187, 8182]
1310	[2381, 2382]	4094	[486, 5602]	6878	[8736, 8737]	9662	[10524, 7344]
1311	[2383, 2384]	4095	[6154, 6155]	6879	[8738, 8739]	9663	[7362, 4652]
1312	[2385, 2386]	4096	[4859, 6156]	6880	[6826, 8740]	9664	[8374, 7409]
1313	[2387, 2388]	4097	[6157, 6158]	6881	[8741, 5099]	9665	[10525, 4059]
1314	[2389, 814]	4098	[2584, 6159]	6882	[8742, 5474]	9666	[7904, 3145]
1315	[2390, 2391]	4099	[6160, 6161]	6883	[8743, 1838]	9667	[10514, 10526]
1316	[2392, 2393]	4100	[6162, 6163]	6884	[4849, 8744]	9668	[10527, 7728]
1317	[2394, 2395]	4101	[901, 6164]	6885	[8745, 5673]	9669	[10060, 4133]
1318	[2396, 2397]	4102	[6165, 6166]	6886	[8746, 5675]	9670	[10528, 1722]
1319	[2398, 2399]	4103	[6167, 6168]	6887	[6214, 8747]	9671	[3055, 7219]
1320	[2400, 2401]	4104	[1776, 2410]	6888	[6373, 5769]	9672	[3141, 74]
1321	[2320, 895]	4105	[2685, 6169]	6889	[238, 1848]	9673	[10529, 3196]
1322	[2402, 2403]	4106	[6170, 6074]	6890	[8748, 2683]	9674	[10530, 1085]
1323	[2404, 2405]	4107	[2871, 600]	6891	[8749, 8750]	9675	[3795, 7315]
1324	[2406, 2128]	4108	[6171, 6172]	6892	[8751, 6349]	9676	[4110, 10531]
1325	[852, 2407]	4109	[2037, 4953]	6893	[2773, 8752]	9677	[10532, 1183]
1326	[2408, 2409]	4110	[6173, 125]	6894	[8753, 5667]	9678	[3205, 10489]
1327	[2410, 2411]	4111	[5709, 6174]	6895	[891, 2155]	9679	[8323, 10519]
1328	[2412, 2360]	4112	[6175, 6176]	6896	[5529, 8754]	9680	[6989, 3030]
1329	[2413, 2414]	4113	[6177, 6178]	6897	[5910, 538]	9681	[7331, 8223]
1330	[2415, 2416]	4114	[6179, 6180]	6898	[8755, 6418]	9682	[10533, 7556]
1331	[2417, 2418]	4115	[2097, 5859]	6899	[5677, 6311]	9683	[7357, 8657]
1332	[683, 2419]	4116	[2260, 6181]	6900	[8756, 6214]	9684	[10534, 7850]
1333	[2264, 2420]	4117	[735, 5239]	6901	[8757, 8758]	9685	[10535, 3938]
1334	[2421, 2422]	4118	[1890, 5193]	6902	[8759, 6176]	9686	[10536, 3725]
1335	[2423, 2424]	4119	[6182, 5147]	6903	[8760, 2160]	9687	[10537, 4310]
1336	[2425, 200]	4120	[586, 6183]	6904	[6633, 6396]	9688	[1186, 10538]
1337	[2426, 2427]	4121	[4985, 5096]	6905	[8761, 6592]	9689	[10539, 3189]

1338	[2428, 2429]	4122	[6184, 155]	6906	[6735, 6358]	9690	[10237, 1631]
1339	[2052, 2430]	4123	[5084, 5849]	6907	[8762, 8763]	9691	[10540, 10541]
1340	[2431, 2432]	4124	[6185, 5022]	6908	[8764, 2910]	9692	[272, 1582]
1341	[2433, 2434]	4125	[6186, 5645]	6909	[8765, 2772]	9693	[8460, 10542]
1342	[2435, 2383]	4126	[806, 2288]	6910	[801, 8766]	9694	[7668, 3429]
1343	[815, 2385]	4127	[189, 6187]	6911	[914, 5661]	9695	[8439, 7688]
1344	[2436, 2437]	4128	[6188, 2720]	6912	[8767, 1985]	9696	[10543, 8615]
1345	[2438, 2439]	4129	[6189, 6190]	6913	[2563, 6249]	9697	[10544, 7563]
1346	[125, 2440]	4130	[6191, 131]	6914	[2550, 6741]	9698	[7967, 10469]
1347	[2441, 2442]	4131	[6192, 5840]	6915	[664, 4817]	9699	[7569, 437]
1348	[2443, 2444]	4132	[2785, 2781]	6916	[8768, 6047]	9700	[7077, 7182]
1349	[489, 2445]	4133	[6193, 5443]	6917	[8769, 2687]	9701	[10392, 9987]
1350	[2446, 2447]	4134	[2971, 740]	6918	[8770, 6812]	9702	[10472, 4009]
1351	[2448, 2449]	4135	[1812, 6194]	6919	[8771, 8772]	9703	[1037, 3884]
1352	[626, 2450]	4136	[6195, 6196]	6920	[5827, 5450]	9704	[10545, 7973]
1353	[2451, 2452]	4137	[6197, 1896]	6921	[8773, 6469]	9705	[3090, 3468]
1354	[2453, 672]	4138	[6129, 6198]	6922	[8774, 5549]	9706	[3339, 10546]
1355	[2454, 1987]	4139	[6199, 5683]	6923	[2597, 1975]	9707	[4140, 1047]
1356	[2455, 2456]	4140	[6200, 4939]	6924	[8775, 5181]	9708	[10547, 10548]
1357	[609, 2457]	4141	[6201, 2815]	6925	[1940, 4822]	9709	[8066, 10474]
1358	[2458, 2459]	4142	[6202, 2153]	6926	[8776, 2734]	9710	[3404, 8211]
1359	[2460, 927]	4143	[5357, 5833]	6927	[5034, 8777]	9711	[7316, 10175]
1360	[167, 2023]	4144	[6203, 1890]	6928	[794, 6729]	9712	[4163, 446]
1361	[2461, 2462]	4145	[6204, 1991]	6929	[8778, 8779]	9713	[10549, 1341]
1362	[2463, 2464]	4146	[6205, 6206]	6930	[4847, 2748]	9714	[7301, 8058]
1363	[2465, 1942]	4147	[873, 5325]	6931	[758, 5204]	9715	[10285, 8205]
1364	[2466, 2467]	4148	[6207, 6208]	6932	[828, 1954]	9716	[8571, 7038]
1365	[2468, 2469]	4149	[6209, 6210]	6933	[2174, 8780]	9717	[8683, 6945]
1366	[2470, 603]	4150	[6211, 6212]	6934	[2587, 6602]	9718	[7619, 3647]
1367	[2471, 2472]	4151	[6213, 6214]	6935	[8781, 5204]	9719	[10550, 10031]
1368	[2473, 2474]	4152	[6215, 6024]	6936	[4968, 6353]	9720	[1722, 7068]
1369	[2475, 2476]	4153	[6216, 2363]	6937	[8782, 5485]	9721	[10551, 3349]
1370	[2477, 2478]	4154	[6217, 898]	6938	[8783, 2534]	9722	[10552, 3560]
1371	[2479, 2480]	4155	[6218, 6166]	6939	[5325, 2218]	9723	[10553, 10333]
1372	[2481, 2482]	4156	[6219, 6220]	6940	[5459, 4839]	9724	[9960, 6969]
1373	[2483, 2300]	4157	[6221, 6222]	6941	[8784, 2302]	9725	[7873, 4110]
1374	[2484, 2485]	4158	[6223, 6224]	6942	[8785, 8786]	9726	[1484, 10048]
1375	[2486, 720]	4159	[851, 4885]	6943	[8787, 2381]	9727	[1393, 4403]
1376	[2487, 2488]	4160	[6225, 6226]	6944	[8788, 8789]	9728	[10554, 1489]
1377	[2138, 2489]	4161	[6227, 1757]	6945	[8790, 2826]	9729	[8668, 3721]
1378	[2490, 2491]	4162	[6228, 1730]	6946	[8791, 2190]	9730	[8551, 8246]
1379	[2492, 139]	4163	[2702, 6229]	6947	[8792, 2170]	9731	[8484, 270]
1380	[2493, 2494]	4164	[6230, 154]	6948	[8793, 2243]	9732	[4575, 4534]
1381	[2495, 1953]	4165	[6231, 6232]	6949	[5319, 2976]	9733	[7587, 4413]

1382	[2496, 2497]	4166	[5090, 787]	6950	[8794, 4962]	9734	[10555, 1290]
1383	[830, 898]	4167	[2748, 2928]	6951	[8795, 2899]	9735	[3846, 4616]
1384	[2498, 639]	4168	[6233, 6234]	6952	[8796, 545]	9736	[10556, 4263]
1385	[2499, 2500]	4169	[6235, 6057]	6953	[5385, 8797]	9737	[1080, 8490]
1386	[2501, 2490]	4170	[6236, 2523]	6954	[2652, 2625]	9738	[3715, 1600]
1387	[2502, 2503]	4171	[6237, 1801]	6955	[8798, 8799]	9739	[10557, 8610]
1388	[2504, 2505]	4172	[6238, 6239]	6956	[5635, 8800]	9740	[10558, 1397]
1389	[2506, 2507]	4173	[6240, 5737]	6957	[2910, 8801]	9741	[414, 4766]
1390	[2508, 2509]	4174	[6241, 6226]	6958	[8802, 6055]	9742	[390, 10276]
1391	[2510, 2511]	4175	[2434, 2221]	6959	[855, 5499]	9743	[4442, 8636]
1392	[2512, 2142]	4176	[6242, 5885]	6960	[8803, 193]	9744	[10559, 1261]
1393	[2513, 528]	4177	[6243, 5023]	6961	[8804, 586]	9745	[10560, 10561]
1394	[1760, 2514]	4178	[6244, 2346]	6962	[5022, 2501]	9746	[10562, 9989]
1395	[2515, 2516]	4179	[6245, 6246]	6963	[8805, 5055]	9747	[10563, 10564]
1396	[2517, 2518]	4180	[6247, 6065]	6964	[2255, 5390]	9748	[4757, 10565]
1397	[2519, 2520]	4181	[6248, 6249]	6965	[8806, 5647]	9749	[8160, 4106]
1398	[2521, 2522]	4182	[6250, 5542]	6966	[8807, 5289]	9750	[8335, 3363]
1399	[2523, 2181]	4183	[6251, 6152]	6967	[6688, 904]	9751	[10566, 7824]
1400	[783, 2524]	4184	[6252, 2674]	6968	[2039, 5733]	9752	[7834, 7096]
1401	[2525, 2526]	4185	[6253, 2798]	6969	[6242, 5481]	9753	[10567, 7425]
1402	[2527, 2528]	4186	[6254, 6255]	6970	[8808, 6432]	9754	[10568, 1543]
1403	[2529, 2530]	4187	[2054, 6256]	6971	[8809, 6629]	9755	[3659, 4706]
1404	[2531, 2532]	4188	[6169, 6257]	6972	[8810, 2958]	9756	[10569, 7800]
1405	[2533, 2534]	4189	[6258, 6259]	6973	[8811, 8812]	9757	[4083, 10570]
1406	[2535, 2459]	4190	[861, 6260]	6974	[8813, 5209]	9758	[10571, 8689]
1407	[2536, 1859]	4191	[4890, 6065]	6975	[1982, 8814]	9759	[10288, 10572]
1408	[204, 2537]	4192	[6261, 771]	6976	[8815, 5124]	9760	[4094, 6883]
1409	[2538, 2539]	4193	[6262, 6150]	6977	[8816, 2968]	9761	[10573, 7696]
1410	[2540, 2065]	4194	[829, 5624]	6978	[5162, 4950]	9762	[8149, 8367]
1411	[2541, 2382]	4195	[2251, 2305]	6979	[839, 4921]	9763	[10574, 4536]
1412	[2542, 2543]	4196	[6263, 6264]	6980	[5944, 912]	9764	[10016, 8675]
1413	[2544, 1970]	4197	[4892, 5568]	6981	[2632, 5608]	9765	[10575, 7000]
1414	[2545, 2546]	4198	[6265, 5657]	6982	[6554, 2971]	9766	[3943, 4205]
1415	[2547, 2548]	4199	[6266, 561]	6983	[6447, 8817]	9767	[10576, 4661]
1416	[2549, 2550]	4200	[6267, 614]	6984	[5553, 8818]	9768	[10577, 3893]
1417	[2551, 2552]	4201	[6268, 191]	6985	[2296, 6217]	9769	[30, 3525]
1418	[2553, 2554]	4202	[6269, 6270]	6986	[6749, 5076]	9770	[10578, 10542]
1419	[2555, 2556]	4203	[6271, 5449]	6987	[5150, 8819]	9771	[1334, 3686]
1420	[2557, 1770]	4204	[6272, 6273]	6988	[8820, 5487]	9772	[10579, 10580]
1421	[2455, 2558]	4205	[6274, 6275]	6989	[5666, 8821]	9773	[3525, 8073]
1422	[2559, 2560]	4206	[6276, 2564]	6990	[8822, 6366]	9774	[10246, 4229]
1423	[2561, 2053]	4207	[6277, 2759]	6991	[8823, 5032]	9775	[7917, 10260]
1424	[2562, 2563]	4208	[6278, 5169]	6992	[8824, 5630]	9776	[7607, 1704]
1425	[2564, 2565]	4209	[2954, 6279]	6993	[5970, 8825]	9777	[8698, 10034]

1426	[2566, 2530]	4210	[6280, 2820]	6994	[8826, 6046]	9778	[7642, 10581]
1427	[2567, 2568]	4211	[5786, 706]	6995	[8827, 6208]	9779	[386, 7413]
1428	[2569, 1927]	4212	[6281, 6234]	6996	[5969, 5631]	9780	[10582, 7237]
1429	[2570, 1984]	4213	[5774, 4957]	6997	[8828, 5774]	9781	[10583, 3480]
1430	[2571, 2572]	4214	[6032, 2305]	6998	[8829, 4829]	9782	[3809, 3247]
1431	[2573, 2574]	4215	[6282, 1997]	6999	[8830, 497]	9783	[3044, 7313]
1432	[2575, 598]	4216	[6283, 2430]	7000	[5970, 5632]	9784	[10584, 10373]
1433	[2576, 2577]	4217	[6284, 5907]	7001	[1859, 8763]	9785	[7681, 4272]
1434	[2578, 157]	4218	[6285, 5908]	7002	[8831, 6529]	9786	[310, 1589]
1435	[2579, 151]	4219	[6286, 739]	7003	[8832, 8772]	9787	[10027, 10585]
1436	[2580, 2581]	4220	[2789, 6287]	7004	[8833, 8834]	9788	[7121, 3951]
1437	[2582, 2583]	4221	[6288, 6289]	7005	[5576, 6141]	9789	[4257, 1029]
1438	[2584, 2585]	4222	[6290, 2455]	7006	[8835, 8836]	9790	[7180, 4057]
1439	[2586, 2587]	4223	[6291, 1753]	7007	[2256, 5391]	9791	[10586, 3559]
1440	[2588, 2589]	4224	[6292, 6293]	7008	[5594, 6420]	9792	[10053, 3015]
1441	[2590, 2591]	4225	[6294, 6295]	7009	[2049, 5657]	9793	[10170, 4672]
1442	[2592, 2593]	4226	[6296, 6297]	7010	[8837, 2650]	9794	[10587, 1637]
1443	[2594, 2043]	4227	[6298, 6299]	7011	[8838, 6369]	9795	[10588, 3963]
1444	[2595, 621]	4228	[6300, 6301]	7012	[8839, 8840]	9796	[10240, 3392]
1445	[52, 2596]	4229	[6302, 726]	7013	[8841, 10]	9797	[10589, 10350]
1446	[2597, 2598]	4230	[6303, 6304]	7014	[8842, 854]	9798	[10590, 7309]
1447	[2599, 2600]	4231	[2951, 1778]	7015	[8843, 2344]	9799	[10591, 8395]
1448	[39, 2601]	4232	[2038, 4954]	7016	[8844, 5128]	9800	[10592, 1278]
1449	[2602, 1907]	4233	[5988, 5210]	7017	[8845, 5109]	9801	[10126, 7330]
1450	[2603, 618]	4234	[6305, 6306]	7018	[8846, 4924]	9802	[10593, 4114]
1451	[2604, 509]	4235	[6307, 5399]	7019	[8847, 5304]	9803	[1449, 3269]
1452	[2605, 1798]	4236	[6189, 4948]	7020	[8848, 5306]	9804	[8652, 8018]
1453	[2606, 1993]	4237	[1760, 6308]	7021	[8849, 5927]	9805	[10594, 1659]
1454	[2607, 2608]	4238	[6309, 1883]	7022	[8850, 6498]	9806	[290, 1589]
1455	[2609, 2610]	4239	[6310, 6311]	7023	[8851, 2844]	9807	[10592, 10192]
1456	[2611, 2612]	4240	[6312, 1820]	7024	[5566, 8852]	9808	[10595, 8264]
1457	[2613, 2614]	4241	[6313, 2386]	7025	[8853, 145]	9809	[7970, 3008]
1458	[2615, 2616]	4242	[6314, 4876]	7026	[6237, 6600]	9810	[7651, 10596]
1459	[2357, 2617]	4243	[6315, 5941]	7027	[5640, 2304]	9811	[10597, 7374]
1460	[2618, 2285]	4244	[2543, 2598]	7028	[4848, 2928]	9812	[1151, 1572]
1461	[2393, 698]	4245	[6316, 6317]	7029	[2870, 5020]	9813	[7309, 1412]
1462	[2619, 2620]	4246	[4913, 6318]	7030	[8854, 684]	9814	[7878, 1008]
1463	[2621, 2622]	4247	[6319, 676]	7031	[8855, 8856]	9815	[10598, 3028]
1464	[2623, 2624]	4248	[6320, 6321]	7032	[8857, 5198]	9816	[8427, 10599]
1465	[2625, 2626]	4249	[6322, 6323]	7033	[8858, 6297]	9817	[990, 3749]
1466	[2627, 167]	4250	[6324, 4892]	7034	[8859, 8860]	9818	[1229, 7368]
1467	[2628, 2629]	4251	[153, 154]	7035	[1725, 5794]	9819	[10600, 303]
1468	[2539, 2630]	4252	[6325, 6326]	7036	[2896, 2547]	9820	[10145, 1060]
1469	[2631, 2632]	4253	[6327, 6180]	7037	[1860, 8861]	9821	[10140, 3739]

1470	[2633, 201]	4254	[6328, 6329]	7038	[2747, 6330]	9822	[10601, 8078]
1471	[2634, 2635]	4255	[6330, 5629]	7039	[8862, 4992]	9823	[461, 7777]
1472	[2636, 2637]	4256	[6331, 6332]	7040	[8863, 6295]	9824	[10067, 945]
1473	[2638, 2639]	4257	[6333, 6334]	7041	[875, 1904]	9825	[10602, 10580]
1474	[2640, 2641]	4258	[6335, 6336]	7042	[8864, 5607]	9826	[10603, 4740]
1475	[2642, 689]	4259	[6337, 2868]	7043	[8865, 8866]	9827	[10604, 4266]
1476	[2643, 2644]	4260	[6338, 2122]	7044	[2851, 5807]	9828	[10605, 10236]
1477	[2645, 516]	4261	[6339, 5504]	7045	[6355, 2855]	9829	[10606, 10336]
1478	[2646, 2647]	4262	[6340, 521]	7046	[4864, 8740]	9830	[4714, 1608]
1479	[2648, 2486]	4263	[6341, 6342]	7047	[1930, 4995]	9831	[3716, 1601]
1480	[2649, 2650]	4264	[6343, 2283]	7048	[8867, 8868]	9832	[4142, 1595]
1481	[2651, 2652]	4265	[6344, 2960]	7049	[6719, 2626]	9833	[10607, 3805]
1482	[2598, 2653]	4266	[6345, 2370]	7050	[8869, 5851]	9834	[10603, 3425]
1483	[2654, 2119]	4267	[6346, 2109]	7051	[8870, 8871]	9835	[1422, 8191]
1484	[2655, 2656]	4268	[2178, 6347]	7052	[8872, 225]	9836	[10078, 10608]
1485	[2657, 2658]	4269	[6348, 1814]	7053	[8873, 2021]	9837	[10609, 3682]
1486	[2659, 2660]	4270	[6116, 6349]	7054	[5830, 6138]	9838	[10610, 4664]
1487	[2661, 2107]	4271	[6350, 6351]	7055	[8874, 8875]	9839	[7222, 4238]
1488	[2662, 1900]	4272	[6352, 2418]	7056	[1960, 6019]	9840	[10611, 7101]
1489	[2663, 740]	4273	[6353, 6354]	7057	[8876, 736]	9841	[10612, 1180]
1490	[896, 2664]	4274	[6355, 2140]	7058	[5567, 8877]	9842	[10613, 3654]
1491	[2665, 2348]	4275	[6356, 6357]	7059	[6250, 8878]	9843	[10579, 10614]
1492	[2666, 2389]	4276	[6358, 6359]	7060	[8879, 2660]	9844	[10615, 3996]
1493	[2667, 2668]	4277	[6360, 4843]	7061	[8880, 2384]	9845	[10616, 3732]
1494	[2669, 1898]	4278	[5482, 6361]	7062	[8881, 8882]	9846	[4805, 10293]
1495	[1888, 2670]	4279	[6362, 2491]	7063	[8883, 8780]	9847	[10617, 3832]
1496	[2671, 2672]	4280	[1766, 6363]	7064	[8884, 2234]	9848	[4017, 10136]
1497	[2673, 2674]	4281	[6364, 2458]	7065	[827, 5165]	9849	[10618, 4801]
1498	[2675, 1842]	4282	[6365, 6366]	7066	[8885, 8824]	9850	[3171, 10619]
1499	[2676, 2677]	4283	[6367, 6368]	7067	[6806, 2349]	9851	[443, 4189]
1500	[2678, 2679]	4284	[6369, 6370]	7068	[8886, 2052]	9852	[10620, 7543]
1501	[2680, 2681]	4285	[1851, 6371]	7069	[8887, 6680]	9853	[3567, 10621]
1502	[2682, 2683]	4286	[2092, 2326]	7070	[8888, 8889]	9854	[1181, 10546]
1503	[2684, 2685]	4287	[6372, 5027]	7071	[2646, 5772]	9855	[4641, 10186]
1504	[714, 2686]	4288	[4947, 6190]	7072	[1883, 8733]	9856	[4462, 10622]
1505	[173, 2687]	4289	[5859, 6373]	7073	[6115, 2876]	9857	[7954, 3862]
1506	[2688, 1793]	4290	[6374, 6375]	7074	[4852, 6396]	9858	[6883, 7370]
1507	[2689, 2690]	4291	[4994, 2227]	7075	[8890, 33]	9859	[10623, 3312]
1508	[2691, 2649]	4292	[6376, 928]	7076	[8891, 5954]	9860	[3858, 10024]
1509	[2692, 2693]	4293	[6377, 5019]	7077	[8892, 5645]	9861	[7960, 4189]
1510	[2694, 2100]	4294	[6378, 4846]	7078	[2745, 8893]	9862	[1206, 3290]
1511	[2526, 663]	4295	[6379, 1928]	7079	[8894, 8895]	9863	[8561, 10304]
1512	[2695, 2696]	4296	[6380, 6381]	7080	[2801, 5081]	9864	[1372, 8552]
1513	[2697, 2401]	4297	[5985, 2006]	7081	[875, 2321]	9865	[1702, 1233]

1514	[2698, 2699]	4298	[6382, 2979]	7082	[8896, 8897]	9866	[1640, 3106]
1515	[2700, 562]	4299	[5102, 6383]	7083	[8898, 8899]	9867	[3005, 4414]
1516	[2701, 1872]	4300	[6384, 6385]	7084	[6557, 2230]	9868	[10142, 10624]
1517	[2702, 2703]	4301	[6386, 2077]	7085	[5538, 8900]	9869	[8347, 4357]
1518	[2704, 2705]	4302	[6387, 5503]	7086	[8751, 5483]	9870	[10625, 1611]
1519	[2706, 2707]	4303	[6388, 6389]	7087	[2381, 1763]	9871	[7336, 932]
1520	[2708, 2709]	4304	[6390, 843]	7088	[5999, 6094]	9872	[10626, 4394]
1521	[2710, 2676]	4305	[6391, 179]	7089	[2497, 4979]	9873	[1029, 10365]
1522	[1889, 2711]	4306	[6392, 6393]	7090	[8901, 8827]	9874	[10025, 3753]
1523	[2712, 865]	4307	[4908, 6394]	7091	[5533, 1749]	9875	[10627, 7253]
1524	[2713, 2714]	4308	[6395, 2429]	7092	[5277, 5671]	9876	[3212, 1245]
1525	[2715, 2289]	4309	[2641, 2003]	7093	[1925, 2265]	9877	[7522, 3394]
1526	[2716, 2717]	4310	[5932, 4813]	7094	[4959, 838]	9878	[10340, 8386]
1527	[1827, 2121]	4311	[5867, 5619]	7095	[6372, 2182]	9879	[4305, 10191]
1528	[811, 2718]	4312	[6396, 2601]	7096	[8902, 5726]	9880	[1643, 10628]
1529	[2719, 2720]	4313	[6397, 2743]	7097	[8903, 32]	9881	[3603, 10629]
1530	[2414, 2721]	4314	[2338, 5337]	7098	[8904, 8905]	9882	[7393, 3355]
1531	[2722, 2723]	4315	[6398, 6399]	7099	[8906, 6445]	9883	[8004, 7647]
1532	[2724, 2725]	4316	[6243, 809]	7100	[8907, 873]	9884	[7353, 3060]
1533	[2726, 2727]	4317	[2012, 6400]	7101	[5727, 1776]	9885	[8406, 1321]
1534	[2728, 2729]	4318	[2647, 5992]	7102	[6019, 231]	9886	[10120, 10630]
1535	[2730, 2731]	4319	[5616, 5029]	7103	[8908, 5524]	9887	[3213, 10015]
1536	[2732, 2733]	4320	[2242, 6401]	7104	[8827, 8909]	9888	[6882, 7784]
1537	[2734, 2605]	4321	[6402, 6403]	7105	[8910, 591]	9889	[8423, 1232]
1538	[2735, 2248]	4322	[6404, 2853]	7106	[8911, 8754]	9890	[7063, 304]
1539	[2736, 2250]	4323	[899, 2168]	7107	[8912, 6326]	9891	[10408, 3785]
1540	[2737, 2738]	4324	[2450, 6405]	7108	[6276, 5068]	9892	[10560, 410]
1541	[2739, 2740]	4325	[6406, 5103]	7109	[8913, 8914]	9893	[10631, 3368]
1542	[2741, 147]	4326	[6407, 2474]	7110	[8915, 8916]	9894	[10632, 3126]
1543	[2742, 2743]	4327	[2673, 6408]	7111	[140, 2148]	9895	[10525, 8134]
1544	[2744, 2416]	4328	[2811, 6409]	7112	[8917, 8918]	9896	[8353, 10633]
1545	[2745, 2746]	4329	[6410, 6079]	7113	[1846, 8919]	9897	[4582, 7726]
1546	[2747, 2089]	4330	[6411, 1953]	7114	[8910, 6212]	9898	[7141, 10063]
1547	[2748, 1741]	4331	[5469, 5449]	7115	[8920, 8921]	9899	[10388, 1499]
1548	[2314, 2749]	4332	[5815, 6412]	7116	[8922, 8923]	9900	[9976, 6970]
1549	[2750, 760]	4333	[6413, 5875]	7117	[8924, 6516]	9901	[10511, 10229]
1550	[2751, 2752]	4334	[6414, 1854]	7118	[8925, 6458]	9902	[10634, 3163]
1551	[2753, 2490]	4335	[6415, 6416]	7119	[5141, 2062]	9903	[10446, 4063]
1552	[2754, 2385]	4336	[6417, 6418]	7120	[8926, 8927]	9904	[10635, 73]
1553	[752, 2229]	4337	[6419, 217]	7121	[8928, 8929]	9905	[10636, 6855]
1554	[2194, 2755]	4338	[2504, 6420]	7122	[8930, 8931]	9906	[10242, 7051]
1555	[2756, 2757]	4339	[2181, 5961]	7123	[8932, 8933]	9907	[10637, 4216]
1556	[2758, 2759]	4340	[6421, 5435]	7124	[6488, 8934]	9908	[1033, 3228]
1557	[2760, 2761]	4341	[177, 6422]	7125	[2951, 6806]	9909	[3104, 4197]

1558	[2762, 2083]	4342	[921, 6344]	7126	[8935, 2080]	9910	[10638, 385]
1559	[2763, 2764]	4343	[699, 2888]	7127	[8936, 8937]	9911	[7962, 7063]
1560	[2765, 677]	4344	[6421, 6423]	7128	[8938, 4964]	9912	[10314, 3298]
1561	[2766, 2767]	4345	[6424, 6425]	7129	[8939, 2680]	9913	[7854, 10306]
1562	[2768, 182]	4346	[2943, 2164]	7130	[880, 626]	9914	[6934, 6911]
1563	[2769, 2770]	4347	[6426, 4880]	7131	[2183, 4830]	9915	[10639, 3932]
1564	[1807, 2616]	4348	[6427, 5681]	7132	[8940, 133]	9916	[8101, 10640]
1565	[2771, 2772]	4349	[5334, 5962]	7133	[8941, 6172]	9917	[7491, 10506]
1566	[2773, 2774]	4350	[5923, 6428]	7134	[8942, 2920]	9918	[8626, 10608]
1567	[2775, 2776]	4351	[6429, 6430]	7135	[8943, 8914]	9919	[10310, 10641]
1568	[2777, 184]	4352	[6431, 601]	7136	[8944, 4852]	9920	[10642, 4304]
1569	[2778, 2779]	4353	[6357, 2187]	7137	[8945, 6734]	9921	[3157, 368]
1570	[2445, 232]	4354	[5458, 6044]	7138	[8946, 6611]	9922	[4337, 10643]
1571	[2780, 2781]	4355	[6432, 5291]	7139	[5508, 6750]	9923	[10152, 4400]
1572	[2782, 2783]	4356	[6319, 2765]	7140	[8947, 6300]	9924	[7046, 3332]
1573	[2784, 2644]	4357	[6433, 6434]	7141	[8948, 2956]	9925	[3303, 3533]
1574	[2785, 2786]	4358	[6435, 6436]	7142	[2662, 8949]	9926	[10644, 4142]
1575	[2565, 2787]	4359	[6437, 6438]	7143	[8950, 8951]	9927	[7606, 7147]
1576	[2788, 2789]	4360	[6439, 2389]	7144	[5060, 5917]	9928	[10645, 7718]
1577	[1985, 2790]	4361	[6440, 5957]	7145	[8952, 6594]	9929	[7360, 8508]
1578	[2791, 766]	4362	[6441, 5502]	7146	[6224, 5453]	9930	[3743, 8183]
1579	[2792, 2793]	4363	[6442, 1958]	7147	[8953, 8954]	9931	[7611, 8051]
1580	[2794, 2795]	4364	[6443, 5814]	7148	[501, 6008]	9932	[3502, 3853]
1581	[2796, 2269]	4365	[6444, 6445]	7149	[8955, 1930]	9933	[10646, 3760]
1582	[2797, 2798]	4366	[6446, 780]	7150	[2684, 6639]	9934	[10647, 3923]
1583	[2799, 2800]	4367	[6447, 6448]	7151	[8956, 2466]	9935	[4334, 1000]
1584	[2801, 2802]	4368	[6449, 837]	7152	[662, 8957]	9936	[10253, 1198]
1585	[2803, 658]	4369	[6450, 6451]	7153	[8958, 5866]	9937	[6921, 7669]
1586	[2804, 2019]	4370	[6452, 2452]	7154	[8959, 8960]	9938	[10648, 3845]
1587	[2631, 2805]	4371	[6453, 5822]	7155	[6516, 5041]	9939	[10132, 7461]
1588	[2141, 2806]	4372	[6454, 5389]	7156	[8961, 5331]	9940	[10649, 10650]
1589	[2807, 2451]	4373	[5635, 6031]	7157	[6011, 8962]	9941	[10651, 3336]
1590	[607, 2453]	4374	[781, 667]	7158	[8963, 2105]	9942	[7221, 8439]
1591	[129, 2808]	4375	[6455, 6456]	7159	[2651, 8964]	9943	[7992, 8276]
1592	[2809, 2810]	4376	[1824, 5170]	7160	[8965, 5352]	9944	[7238, 4544]
1593	[2811, 2812]	4377	[6457, 6458]	7161	[8966, 213]	9945	[4555, 8458]
1594	[2813, 2814]	4378	[6459, 6460]	7162	[8967, 8968]	9946	[3593, 4396]
1595	[2815, 2155]	4379	[6461, 5357]	7163	[8896, 5329]	9947	[3304, 4076]
1596	[2816, 2817]	4380	[2287, 694]	7164	[2329, 8915]	9948	[10455, 8582]
1597	[2818, 1920]	4381	[6462, 6391]	7165	[8969, 5942]	9949	[3546, 7851]
1598	[2819, 2820]	4382	[6463, 6464]	7166	[5673, 8970]	9950	[6877, 4023]
1599	[2821, 2364]	4383	[6465, 1835]	7167	[8971, 1766]	9951	[3616, 3826]
1600	[2822, 36]	4384	[1813, 5505]	7168	[5016, 6299]	9952	[7692, 3757]
1601	[501, 680]	4385	[6466, 6292]	7169	[8972, 8973]	9953	[7128, 3778]

1602	[2823, 684]	4386	[6467, 554]	7170	[8974, 2130]	9954	[10652, 9543]
1603	[2824, 686]	4387	[5938, 6468]	7171	[5511, 8837]	9955	[5318, 10653]
1604	[2825, 2826]	4388	[6469, 6470]	7172	[2346, 2794]	9956	[10654, 910]
1605	[38, 2587]	4389	[6471, 6472]	7173	[5758, 2645]	9957	[6066, 5555]
1606	[2827, 2828]	4390	[6473, 6357]	7174	[8975, 6053]	9958	[5113, 9485]
1607	[2829, 2830]	4391	[6474, 6432]	7175	[8976, 8977]	9959	[5237, 10655]
1608	[2831, 2832]	4392	[6165, 6475]	7176	[2156, 2507]	9960	[198, 9192]
1609	[2101, 2833]	4393	[6476, 710]	7177	[2567, 5348]	9961	[5237, 6153]
1610	[2834, 2045]	4394	[6477, 5485]	7178	[750, 8978]	9962	[4962, 1904]
1611	[2835, 2836]	4395	[2236, 6334]	7179	[8979, 2857]	9963	[10656, 2894]
1612	[2837, 2838]	4396	[6478, 2613]	7180	[8980, 5910]	9964	[2506, 2157]
1613	[722, 2839]	4397	[6479, 2689]	7181	[8981, 1923]	9965	[10657, 9774]
1614	[2840, 2841]	4398	[6480, 6481]	7182	[8982, 5217]	9966	[5191, 2708]
1615	[2842, 1945]	4399	[6482, 2861]	7183	[5055, 8983]	9967	[9306, 10658]
1616	[2843, 2844]	4400	[6483, 2752]	7184	[4986, 8984]	9968	[6699, 5173]
1617	[2845, 2846]	4401	[911, 5945]	7185	[2336, 5735]	9969	[2769, 5847]
1618	[2847, 2848]	4402	[6484, 6485]	7186	[8985, 6339]	9970	[2190, 8871]
1619	[2849, 667]	4403	[6486, 5873]	7187	[5526, 490]	9971	[10659, 5826]
1620	[2457, 1922]	4404	[6487, 5296]	7188	[8986, 5137]	9972	[4862, 6789]
1621	[1995, 2422]	4405	[5783, 6488]	7189	[8987, 2531]	9973	[198, 9881]
1622	[2850, 2851]	4406	[6489, 6490]	7190	[8988, 8989]	9974	[2035, 5100]
1623	[2852, 7]	4407	[2358, 5650]	7191	[8990, 830]	9975	[9211, 9037]
1624	[2853, 524]	4408	[6252, 6408]	7192	[8991, 2272]	9976	[5292, 10660]
1625	[2854, 2451]	4409	[6491, 1869]	7193	[8992, 5550]	9977	[10661, 618]
1626	[2855, 2141]	4410	[5673, 5680]	7194	[8993, 8994]	9978	[5002, 9614]
1627	[2856, 2857]	4411	[6492, 53]	7195	[2298, 611]	9979	[6625, 10662]
1628	[2858, 2859]	4412	[4929, 5298]	7196	[8995, 5525]	9980	[9584, 4993]
1629	[2860, 2466]	4413	[5274, 4864]	7197	[8996, 4899]	9981	[9464, 877]
1630	[2861, 2862]	4414	[6493, 175]	7198	[8997, 8786]	9982	[2211, 4886]
1631	[2863, 2864]	4415	[6301, 2082]	7199	[8998, 6812]	9983	[2385, 9587]
1632	[2865, 2866]	4416	[6494, 6495]	7200	[8999, 9000]	9984	[8815, 5245]
1633	[528, 2867]	4417	[2395, 2890]	7201	[9001, 2812]	9985	[6403, 10663]
1634	[2868, 2869]	4418	[5268, 5345]	7202	[2668, 1745]	9986	[10664, 2849]
1635	[2870, 642]	4419	[583, 5712]	7203	[9002, 8789]	9987	[9333, 5420]
1636	[2305, 2871]	4420	[6496, 4906]	7204	[9003, 878]	9988	[6297, 6064]
1637	[2872, 2873]	4421	[5425, 6497]	7205	[2630, 8900]	9989	[10665, 4834]
1638	[2474, 2874]	4422	[5996, 6498]	7206	[6833, 9004]	9990	[2450, 8737]
1639	[2875, 2876]	4423	[5551, 6499]	7207	[2878, 5150]	9991	[9297, 1750]
1640	[2877, 2250]	4424	[6500, 6501]	7208	[6201, 891]	9992	[9299, 2423]
1641	[2878, 2026]	4425	[5067, 2338]	7209	[9005, 6791]	9993	[10666, 5339]
1642	[2879, 2880]	4426	[762, 1774]	7210	[2697, 2908]	9994	[10667, 6290]
1643	[2881, 2882]	4427	[197, 6502]	7211	[9006, 8827]	9995	[6746, 2950]
1644	[2883, 2884]	4428	[6503, 5706]	7212	[6378, 9007]	9996	[5465, 2292]
1645	[2885, 2886]	4429	[6504, 6505]	7213	[9008, 6534]	9997	[10668, 10669]

1646	[2887, 148]	4430	[6506, 5996]	7214	[6303, 5069]	9998	[10670, 5300]
1647	[776, 2888]	4431	[6507, 5797]	7215	[5982, 2047]	9999	[2579, 9747]
1648	[2889, 2890]	4432	[6508, 6457]	7216	[9009, 9010]	10000	[5502, 4858]
1649	[2399, 2891]	4433	[2838, 2591]	7217	[9011, 9012]	10001	[10671, 2056]
1650	[2892, 921]	4434	[6509, 6510]	7218	[2938, 5729]	10002	[10672, 5845]
1651	[2893, 2894]	4435	[5848, 5518]	7219	[9013, 9014]	10003	[6528, 10673]
1652	[2895, 2896]	4436	[5194, 6511]	7220	[4907, 6067]	10004	[9683, 9586]
1653	[2897, 2898]	4437	[5593, 670]	7221	[9015, 5798]	10005	[8842, 4814]
1654	[2867, 2899]	4438	[2437, 5264]	7222	[9016, 6385]	10006	[4933, 6067]
1655	[2900, 2901]	4439	[666, 6512]	7223	[9017, 5519]	10007	[6599, 2521]
1656	[2286, 2902]	4440	[5181, 1787]	7224	[6204, 9018]	10008	[10674, 9319]
1657	[2903, 795]	4441	[6513, 6514]	7225	[6295, 2498]	10009	[8753, 1750]
1658	[2099, 2725]	4442	[6515, 6291]	7226	[9019, 9020]	10010	[10675, 10676]
1659	[2904, 236]	4443	[6516, 2813]	7227	[9021, 9022]	10011	[10677, 5492]
1660	[2905, 2556]	4444	[6517, 5459]	7228	[186, 6715]	10012	[5679, 8970]
1661	[2906, 796]	4445	[5990, 6518]	7229	[5355, 2012]	10013	[2096, 1934]
1662	[2907, 2044]	4446	[712, 2286]	7230	[2549, 6789]	10014	[6299, 4934]
1663	[2400, 2908]	4447	[6003, 612]	7231	[9023, 6520]	10015	[6160, 10678]
1664	[2909, 2910]	4448	[6519, 6520]	7232	[6503, 2057]	10016	[4965, 751]
1665	[2911, 2862]	4449	[6521, 2099]	7233	[9024, 2733]	10017	[8782, 5709]
1666	[2912, 2913]	4450	[6268, 622]	7234	[6842, 2498]	10018	[10679, 2471]
1667	[2914, 752]	4451	[1927, 6522]	7235	[6144, 8842]	10019	[5196, 5936]
1668	[2915, 2916]	4452	[6523, 6021]	7236	[205, 9025]	10020	[6807, 1968]
1669	[2917, 2425]	4453	[2461, 5979]	7237	[9026, 4981]	10021	[8784, 10680]
1670	[2155, 2918]	4454	[6524, 6525]	7238	[6382, 5573]	10022	[10656, 9698]
1671	[2919, 1831]	4455	[6526, 5100]	7239	[2316, 6222]	10023	[5143, 10681]
1672	[2752, 2920]	4456	[5466, 4863]	7240	[2570, 8767]	10024	[9482, 2132]
1673	[2687, 2259]	4457	[6527, 6389]	7241	[5547, 6319]	10025	[2743, 6568]
1674	[753, 2449]	4458	[4885, 2407]	7242	[9027, 180]	10026	[2816, 9927]
1675	[2921, 2447]	4459	[6528, 6529]	7243	[5919, 245]	10027	[10682, 5104]
1676	[2922, 2258]	4460	[6304, 876]	7244	[5657, 5701]	10028	[9512, 9174]
1677	[2923, 2924]	4461	[6530, 2144]	7245	[9028, 586]	10029	[10683, 6115]
1678	[2925, 2926]	4462	[6531, 5907]	7246	[1877, 5848]	10030	[502, 529]
1679	[2150, 2347]	4463	[2912, 226]	7247	[9029, 2068]	10031	[10684, 2145]
1680	[2927, 2465]	4464	[6532, 762]	7248	[2366, 8925]	10032	[10685, 9055]
1681	[2928, 2929]	4465	[6533, 6534]	7249	[9030, 8836]	10033	[9718, 1823]
1682	[2930, 2931]	4466	[5858, 4935]	7250	[6406, 6383]	10034	[10686, 9224]
1683	[2932, 2933]	4467	[6325, 6535]	7251	[9031, 6548]	10035	[9158, 9530]
1684	[2934, 2935]	4468	[6536, 6537]	7252	[9032, 485]	10036	[10687, 5805]
1685	[2936, 2937]	4469	[6538, 733]	7253	[2485, 686]	10037	[9811, 10660]
1686	[2938, 2739]	4470	[5280, 6539]	7254	[9033, 9034]	10038	[10688, 9423]
1687	[2939, 2940]	4471	[5435, 6540]	7255	[9035, 9036]	10039	[513, 6381]
1688	[769, 2259]	4472	[6541, 2808]	7256	[1832, 9037]	10040	[9794, 9800]
1689	[2941, 2481]	4473	[6542, 6543]	7257	[6466, 6369]	10041	[2826, 9007]

1690	[490, 2001]	4474	[5877, 6544]	7258	[678, 9038]	10042	[10689, 10690]
1691	[2927, 1941]	4475	[4962, 2321]	7259	[9039, 2153]	10043	[9837, 10691]
1692	[2942, 2943]	4476	[2699, 160]	7260	[6754, 2868]	10044	[9921, 219]
1693	[1863, 2298]	4477	[6545, 6546]	7261	[9040, 2544]	10045	[9475, 5446]
1694	[2944, 2945]	4478	[6547, 6548]	7262	[9041, 2574]	10046	[8852, 4868]
1695	[2946, 2196]	4479	[6549, 1747]	7263	[9042, 6415]	10047	[905, 5310]
1696	[2947, 699]	4480	[6550, 2794]	7264	[9043, 5240]	10048	[8881, 6717]
1697	[2948, 2949]	4481	[2679, 517]	7265	[9044, 6558]	10049	[10692, 4940]
1698	[2950, 2951]	4482	[6551, 6436]	7266	[9045, 9046]	10050	[10693, 2031]
1699	[580, 2952]	4483	[6085, 2212]	7267	[9047, 5158]	10051	[10694, 8824]
1700	[2953, 2596]	4484	[6552, 4824]	7268	[1923, 6577]	10052	[5901, 5068]
1701	[2686, 2113]	4485	[827, 6553]	7269	[9048, 2455]	10053	[743, 10681]
1702	[2082, 2954]	4486	[6554, 2663]	7270	[9049, 909]	10054	[9607, 5599]
1703	[2955, 2956]	4487	[5580, 5327]	7271	[9050, 6279]	10055	[10695, 9940]
1704	[2957, 2958]	4488	[5818, 6250]	7272	[9051, 580]	10056	[5611, 2101]
1705	[698, 776]	4489	[2013, 2969]	7273	[9052, 4842]	10057	[5647, 6839]
1706	[2959, 2892]	4490	[6555, 6556]	7274	[8945, 6744]	10058	[6491, 2132]
1707	[2960, 2393]	4491	[6557, 5873]	7275	[9053, 6546]	10059	[2003, 10696]
1708	[2961, 2962]	4492	[5190, 6558]	7276	[9054, 9055]	10060	[10697, 8989]
1709	[2963, 2964]	4493	[6559, 6560]	7277	[1775, 5728]	10061	[10698, 2164]
1710	[2965, 2966]	4494	[6561, 6562]	7278	[9056, 2255]	10062	[4980, 6376]
1711	[2967, 2968]	4495	[6437, 5903]	7279	[9057, 1990]	10063	[10699, 2286]
1712	[2969, 2970]	4496	[6563, 6564]	7280	[733, 2765]	10064	[5052, 2778]
1713	[2971, 2972]	4497	[796, 6393]	7281	[9058, 841]	10065	[5987, 2851]
1714	[2973, 2974]	4498	[6565, 4936]	7282	[9059, 169]	10066	[10700, 505]
1715	[2975, 1853]	4499	[850, 2189]	7283	[9060, 9061]	10067	[10701, 4985]
1716	[2722, 2976]	4500	[712, 5856]	7284	[9062, 5952]	10068	[2231, 8905]
1717	[2977, 2978]	4501	[6566, 5861]	7285	[6714, 187]	10069	[5670, 6776]
1718	[556, 2979]	4502	[6567, 6568]	7286	[2494, 5776]	10070	[2901, 6110]
1719	[2980, 2981]	4503	[5901, 2564]	7287	[9063, 5779]	10071	[1969, 10702]
1720	[2207, 2982]	4504	[6509, 6525]	7288	[9064, 9065]	10072	[2966, 5571]
1721	[2841, 2439]	4505	[6542, 5761]	7289	[9066, 1782]	10073	[10703, 868]
1722	[2983, 2428]	4506	[5135, 6569]	7290	[5241, 2748]	10074	[4838, 5460]
1723	[2984, 2985]	4507	[6570, 860]	7291	[6592, 5361]	10075	[2902, 694]
1724	[2986, 2987]	4508	[6571, 5790]	7292	[8957, 1758]	10076	[10704, 10705]
1725	[2988, 2989]	4509	[6572, 6573]	7293	[9067, 605]	10077	[10706, 9603]
1726	[2990, 2991]	4510	[6574, 5110]	7294	[790, 2620]	10078	[10707, 6440]
1727	[2992, 2993]	4511	[6575, 5273]	7295	[8726, 5481]	10079	[9837, 9583]
1728	[86, 1504]	4512	[6576, 6577]	7296	[9068, 5116]	10080	[8926, 10708]
1729	[2994, 2995]	4513	[6578, 519]	7297	[9069, 9070]	10081	[5107, 10709]
1730	[2996, 2997]	4514	[6579, 2179]	7298	[6481, 630]	10082	[9152, 2607]
1731	[2998, 2999]	4515	[6580, 194]	7299	[9071, 2068]	10083	[10710, 1830]
1732	[3000, 3001]	4516	[6581, 6582]	7300	[2053, 2716]	10084	[9149, 6159]
1733	[3002, 3003]	4517	[6583, 2012]	7301	[9007, 5140]	10085	[10711, 10712]

1734	[3004, 3005]	4518	[2647, 2792]	7302	[5930, 1877]	10086	[541, 9582]
1735	[3006, 351]	4519	[6584, 225]	7303	[9072, 5375]	10087	[1768, 928]
1736	[3007, 3008]	4520	[2382, 1764]	7304	[6628, 9073]	10088	[2571, 736]
1737	[3009, 3010]	4521	[6585, 2100]	7305	[9074, 8716]	10089	[9615, 5720]
1738	[1247, 3011]	4522	[6586, 2520]	7306	[9075, 2878]	10090	[9540, 10662]
1739	[3012, 3013]	4523	[6587, 1990]	7307	[683, 9076]	10091	[1792, 2971]
1740	[3014, 3015]	4524	[2335, 6588]	7308	[9031, 9077]	10092	[5834, 2753]
1741	[3016, 1327]	4525	[2621, 6589]	7309	[9078, 2544]	10093	[9659, 5252]
1742	[1248, 3017]	4526	[4872, 2123]	7310	[9079, 6599]	10094	[10713, 6001]
1743	[3018, 3019]	4527	[6590, 6591]	7311	[9080, 1785]	10095	[660, 9816]
1744	[3020, 3021]	4528	[2890, 2399]	7312	[5878, 9081]	10096	[9951, 6191]
1745	[3022, 3023]	4529	[2280, 6592]	7313	[9082, 9083]	10097	[10714, 2083]
1746	[3024, 3025]	4530	[6593, 6594]	7314	[9084, 2635]	10098	[10715, 9924]
1747	[1169, 3026]	4531	[6584, 2912]	7315	[9085, 756]	10099	[1815, 9764]
1748	[3027, 3028]	4532	[4985, 6595]	7316	[9086, 4916]	10100	[5361, 5616]
1749	[3029, 3030]	4533	[6163, 6596]	7317	[559, 5281]	10101	[10716, 5826]
1750	[3031, 3032]	4534	[6597, 6598]	7318	[6576, 9087]	10102	[9562, 9259]
1751	[3033, 3034]	4535	[6599, 5218]	7319	[218, 5368]	10103	[9154, 10696]
1752	[3035, 3036]	4536	[6234, 6600]	7320	[1763, 9088]	10104	[8824, 244]
1753	[3037, 3038]	4537	[6601, 6602]	7321	[9089, 5863]	10105	[5894, 4888]
1754	[3039, 3040]	4538	[6603, 5487]	7322	[9090, 6321]	10106	[10717, 10718]
1755	[1335, 3041]	4539	[6604, 49]	7323	[2760, 5555]	10107	[10719, 2376]
1756	[1519, 3042]	4540	[5612, 2833]	7324	[9091, 6539]	10108	[9313, 9554]
1757	[1255, 3022]	4541	[6605, 5114]	7325	[9092, 5696]	10109	[10720, 6329]
1758	[3043, 3044]	4542	[6606, 6607]	7326	[6601, 9093]	10110	[10721, 9868]
1759	[3045, 3046]	4543	[5540, 163]	7327	[2194, 6353]	10111	[10722, 10669]
1760	[3047, 3048]	4544	[6608, 2476]	7328	[9094, 208]	10112	[2086, 8934]
1761	[3049, 1425]	4545	[6609, 5230]	7329	[9095, 9096]	10113	[2449, 9593]
1762	[3050, 3051]	4546	[6363, 2549]	7330	[9097, 6291]	10114	[6392, 797]
1763	[3052, 3053]	4547	[623, 5454]	7331	[9098, 2044]	10115	[10723, 4959]
1764	[3054, 3055]	4548	[6610, 6611]	7332	[9099, 6793]	10116	[6154, 10724]
1765	[979, 3056]	4549	[6612, 6562]	7333	[598, 2478]	10117	[9895, 5878]
1766	[3057, 3058]	4550	[6613, 1836]	7334	[9100, 817]	10118	[2333, 9623]
1767	[3059, 1721]	4551	[6614, 1814]	7335	[513, 9101]	10119	[6446, 10664]
1768	[3060, 3061]	4552	[6306, 173]	7336	[9102, 1729]	10120	[10725, 2413]
1769	[3062, 1269]	4553	[5857, 4934]	7337	[1754, 2580]	10121	[8811, 9909]
1770	[3063, 3064]	4554	[5823, 6518]	7338	[671, 5084]	10122	[9386, 6497]
1771	[3065, 3066]	4555	[6615, 6616]	7339	[9103, 6508]	10123	[10726, 9114]
1772	[354, 3067]	4556	[129, 6617]	7340	[9104, 2403]	10124	[5220, 9906]
1773	[3068, 477]	4557	[6618, 6345]	7341	[5684, 6058]	10125	[8831, 10673]
1774	[3069, 3070]	4558	[2466, 6619]	7342	[5653, 2681]	10126	[10727, 6290]
1775	[1668, 3071]	4559	[6620, 6621]	7343	[9105, 5059]	10127	[10728, 10690]
1776	[3072, 123]	4560	[6622, 6623]	7344	[6751, 2395]	10128	[9194, 5266]
1777	[3073, 3074]	4561	[4856, 6624]	7345	[6583, 5356]	10129	[10729, 9883]

1778	[3075, 3076]	4562	[6462, 178]	7346	[9106, 746]	10130	[10730, 822]
1779	[3077, 3078]	4563	[6625, 6626]	7347	[9107, 5168]	10131	[9840, 10731]
1780	[3079, 3080]	4564	[6253, 6627]	7348	[9007, 9108]	10132	[9610, 8799]
1781	[3081, 3082]	4565	[6628, 6629]	7349	[9109, 9110]	10133	[5192, 8767]
1782	[3083, 3084]	4566	[6630, 5649]	7350	[825, 4932]	10134	[5154, 9461]
1783	[3085, 3086]	4567	[6631, 2937]	7351	[5069, 723]	10135	[2134, 9141]
1784	[3087, 3088]	4568	[6632, 678]	7352	[9111, 6330]	10136	[10732, 10664]
1785	[3089, 3090]	4569	[6633, 39]	7353	[2672, 9112]	10137	[9674, 567]
1786	[3091, 3092]	4570	[5366, 5998]	7354	[9113, 5428]	10138	[9894, 803]
1787	[3093, 3094]	4571	[6634, 6635]	7355	[907, 9114]	10139	[2712, 10733]
1788	[1686, 3095]	4572	[699, 777]	7356	[9115, 6261]	10140	[10734, 654]
1789	[3096, 3097]	4573	[5430, 6636]	7357	[9116, 9117]	10141	[10735, 2106]
1790	[3098, 3099]	4574	[6637, 2251]	7358	[9118, 6425]	10142	[10736, 9796]
1791	[3100, 3101]	4575	[6638, 2177]	7359	[9119, 8817]	10143	[10737, 1998]
1792	[3102, 1392]	4576	[6639, 6169]	7360	[6210, 12]	10144	[10738, 9553]
1793	[3103, 1151]	4577	[6640, 5067]	7361	[5976, 9120]	10145	[10739, 1961]
1794	[3045, 3104]	4578	[6641, 4937]	7362	[5022, 2753]	10146	[9025, 6118]
1795	[3105, 3106]	4579	[5449, 880]	7363	[9121, 2495]	10147	[6310, 5678]
1796	[1061, 3107]	4580	[6292, 6370]	7364	[6579, 6347]	10148	[10740, 5736]
1797	[3108, 3109]	4581	[6021, 6264]	7365	[9122, 2000]	10149	[5869, 5713]
1798	[3110, 3111]	4582	[2911, 6642]	7366	[9123, 5138]	10150	[9650, 10741]
1799	[3112, 3113]	4583	[5476, 6120]	7367	[5236, 6487]	10151	[10711, 5882]
1800	[3114, 1296]	4584	[6643, 2339]	7368	[9124, 6724]	10152	[10742, 9702]
1801	[3115, 3116]	4585	[6644, 5492]	7369	[9125, 1886]	10153	[10743, 2200]
1802	[3117, 3118]	4586	[6645, 5306]	7370	[5474, 8954]	10154	[5559, 10744]
1803	[3119, 3120]	4587	[5200, 2497]	7371	[9126, 6210]	10155	[5716, 6060]
1804	[3048, 3121]	4588	[6398, 4884]	7372	[6564, 5976]	10156	[10745, 8732]
1805	[3122, 946]	4589	[5308, 6639]	7373	[9127, 5736]	10157	[10746, 6139]
1806	[3123, 3124]	4590	[6646, 6647]	7374	[5148, 5583]	10158	[9368, 6358]
1807	[3125, 3126]	4591	[6648, 664]	7375	[9128, 2207]	10159	[6744, 9284]
1808	[3127, 1442]	4592	[6649, 802]	7376	[2239, 9129]	10160	[1912, 4990]
1809	[3128, 1444]	4593	[6650, 6651]	7377	[9130, 9020]	10161	[5589, 10747]
1810	[3129, 3130]	4594	[6652, 2233]	7378	[9131, 2356]	10162	[10748, 5537]
1811	[3131, 3132]	4595	[6477, 5709]	7379	[9132, 765]	10163	[8798, 9611]
1812	[3133, 3134]	4596	[6653, 4956]	7380	[9133, 9134]	10164	[5078, 5088]
1813	[3088, 1481]	4597	[6654, 6655]	7381	[8786, 6473]	10165	[10749, 9196]
1814	[3135, 3136]	4598	[55, 6656]	7382	[6812, 9135]	10166	[2544, 10702]
1815	[3137, 3138]	4599	[6657, 6658]	7383	[2961, 5917]	10167	[10737, 6394]
1816	[3139, 3140]	4600	[6199, 6659]	7384	[9136, 153]	10168	[10750, 9414]
1817	[1646, 3141]	4601	[6660, 2810]	7385	[9137, 2841]	10169	[10751, 10752]
1818	[3142, 3143]	4602	[6661, 6662]	7386	[9138, 5546]	10170	[6257, 2246]
1819	[3144, 3145]	4603	[6663, 6664]	7387	[9139, 838]	10171	[10753, 10705]
1820	[3146, 3147]	4604	[6665, 130]	7388	[5838, 2684]	10172	[2963, 9160]
1821	[3148, 3149]	4605	[6666, 6667]	7389	[9140, 9141]	10173	[798, 8973]

1822	[3150, 3151]	4606	[2160, 6668]	7390	[6058, 5756]	10174	[10754, 6710]
1823	[3152, 3153]	4607	[58, 6669]	7391	[9142, 5733]	10175	[10755, 9728]
1824	[3154, 3155]	4608	[6670, 850]	7392	[9143, 6673]	10176	[10756, 10757]
1825	[3156, 3157]	4609	[6671, 2523]	7393	[8825, 9144]	10177	[10692, 1909]
1826	[3158, 3159]	4610	[6672, 6673]	7394	[9145, 129]	10178	[1904, 9178]
1827	[3160, 3161]	4611	[6284, 6674]	7395	[9146, 9147]	10179	[10758, 8998]
1828	[3162, 394]	4612	[1991, 2365]	7396	[5945, 9148]	10180	[9247, 2369]
1829	[3163, 3164]	4613	[1822, 6675]	7397	[9149, 2585]	10181	[6211, 591]
1830	[3165, 3166]	4614	[6676, 6677]	7398	[1737, 6368]	10182	[2837, 2590]
1831	[3167, 3168]	4615	[6678, 5891]	7399	[9150, 9151]	10183	[864, 10733]
1832	[3169, 3170]	4616	[6538, 6319]	7400	[6400, 2969]	10184	[10759, 1807]
1833	[3171, 3172]	4617	[5080, 5633]	7401	[9152, 9081]	10185	[10746, 2028]
1834	[3173, 1188]	4618	[6679, 6680]	7402	[5549, 9153]	10186	[10760, 2201]
1835	[1362, 3174]	4619	[6100, 2312]	7403	[9154, 9155]	10187	[8916, 6093]
1836	[1491, 3175]	4620	[6681, 6682]	7404	[9156, 6464]	10188	[5122, 6243]
1837	[3176, 3177]	4621	[1880, 6130]	7405	[9157, 844]	10189	[9517, 8795]
1838	[3178, 311]	4622	[6683, 2837]	7406	[499, 2774]	10190	[10761, 6211]
1839	[3179, 346]	4623	[5705, 6684]	7407	[9158, 6847]	10191	[9781, 10746]
1840	[3180, 3181]	4624	[5803, 5949]	7408	[6396, 40]	10192	[10762, 10678]
1841	[3182, 3183]	4625	[6685, 6686]	7409	[9159, 9160]	10193	[1909, 4941]
1842	[3062, 3184]	4626	[6687, 4947]	7410	[9161, 2878]	10194	[10763, 870]
1843	[3185, 3186]	4627	[6216, 2821]	7411	[6741, 846]	10195	[857, 10764]
1844	[3010, 3187]	4628	[6299, 5858]	7412	[9162, 2192]	10196	[10693, 10765]
1845	[3188, 3189]	4629	[6688, 6689]	7413	[9163, 2632]	10197	[2432, 2325]
1846	[3190, 3181]	4630	[693, 6690]	7414	[9164, 5618]	10198	[6316, 8983]
1847	[3191, 3192]	4631	[6691, 6692]	7415	[9165, 6490]	10199	[10766, 9110]
1848	[468, 3193]	4632	[6693, 6434]	7416	[2160, 9166]	10200	[10767, 10768]
1849	[384, 3194]	4633	[6694, 5343]	7417	[9167, 9168]	10201	[10769, 233]
1850	[3195, 940]	4634	[5076, 585]	7418	[5320, 5480]	10202	[5149, 2026]
1851	[338, 3196]	4635	[693, 6695]	7419	[2804, 820]	10203	[10770, 5158]
1852	[1339, 3096]	4636	[6696, 6697]	7420	[4857, 8996]	10204	[8794, 875]
1853	[3197, 3198]	4637	[6698, 2426]	7421	[9169, 5162]	10205	[10771, 9458]
1854	[3199, 1272]	4638	[6699, 6128]	7422	[9170, 2769]	10206	[2477, 10772]
1855	[3200, 3201]	4639	[6700, 6573]	7423	[9171, 9172]	10207	[2861, 6642]
1856	[3202, 3203]	4640	[2077, 2940]	7424	[5800, 679]	10208	[5025, 5809]
1857	[3204, 3205]	4641	[6701, 5041]	7425	[9173, 9174]	10209	[10773, 5212]
1858	[3206, 3207]	4642	[6330, 2090]	7426	[5781, 9175]	10210	[5881, 10712]
1859	[3208, 3209]	4643	[6702, 2314]	7427	[9176, 6609]	10211	[5244, 8821]
1860	[3210, 3211]	4644	[6703, 5815]	7428	[2014, 1877]	10212	[8781, 582]
1861	[3212, 3213]	4645	[6704, 6705]	7429	[9177, 8829]	10213	[10774, 9367]
1862	[3014, 3214]	4646	[6706, 37]	7430	[6674, 197]	10214	[4883, 6399]
1863	[3215, 3216]	4647	[6707, 5623]	7431	[5417, 1813]	10215	[1993, 10775]
1864	[3217, 363]	4648	[6708, 929]	7432	[2321, 9178]	10216	[6513, 5146]
1865	[3218, 3219]	4649	[6709, 190]	7433	[9179, 2241]	10217	[9003, 5407]

1866	[3220, 3139]	4650	[6710, 5773]	7434	[9180, 2667]	10218	[10776, 10777]
1867	[3221, 1226]	4651	[6711, 6712]	7435	[6138, 6250]	10219	[10778, 2708]
1868	[24, 3222]	4652	[6713, 6522]	7436	[9181, 6512]	10220	[8972, 799]
1869	[3223, 3224]	4653	[6714, 6715]	7437	[9182, 6677]	10221	[10779, 1753]
1870	[3225, 3226]	4654	[2843, 5716]	7438	[9183, 9184]	10222	[2068, 9273]
1871	[3227, 3228]	4655	[526, 634]	7439	[9185, 6690]	10223	[6433, 6685]
1872	[3229, 3120]	4656	[6716, 6717]	7440	[9065, 6336]	10224	[6306, 8769]
1873	[3230, 3231]	4657	[5124, 5246]	7441	[9186, 2509]	10225	[9531, 6008]
1874	[3232, 3233]	4658	[2833, 6051]	7442	[5164, 6553]	10226	[195, 2434]
1875	[3234, 3235]	4659	[769, 6718]	7443	[4956, 6659]	10227	[10780, 2603]
1876	[3236, 3237]	4660	[6719, 6720]	7444	[9187, 9188]	10228	[6358, 10781]
1877	[3238, 1591]	4661	[6721, 2210]	7445	[6752, 6750]	10229	[9821, 10760]
1878	[1472, 333]	4662	[783, 49]	7446	[9071, 9189]	10230	[10782, 2855]
1879	[3082, 3239]	4663	[6722, 5392]	7447	[8904, 6728]	10231	[9459, 1790]
1880	[3240, 1357]	4664	[6723, 6724]	7448	[9190, 1925]	10232	[2667, 1744]
1881	[3241, 408]	4665	[6661, 6725]	7449	[9191, 2425]	10233	[8863, 6842]
1882	[3242, 3243]	4666	[6726, 5960]	7450	[645, 6511]	10234	[10783, 9010]
1883	[3244, 3245]	4667	[6727, 5227]	7451	[6502, 9192]	10235	[10784, 53]
1884	[3246, 457]	4668	[2231, 6728]	7452	[9193, 5441]	10236	[10785, 9920]
1885	[3247, 3248]	4669	[2903, 6729]	7453	[2300, 5228]	10237	[9838, 2865]
1886	[3249, 453]	4670	[6730, 1794]	7454	[9194, 2161]	10238	[5571, 6229]
1887	[3250, 3251]	4671	[6731, 6732]	7455	[5135, 793]	10239	[10786, 2590]
1888	[3252, 3253]	4672	[6733, 5188]	7456	[9195, 5640]	10240	[10787, 2922]
1889	[1672, 3254]	4673	[6734, 5419]	7457	[5912, 648]	10241	[6260, 5201]
1890	[3255, 1146]	4674	[6735, 6736]	7458	[6341, 9196]	10242	[1933, 6152]
1891	[3256, 3257]	4675	[734, 5548]	7459	[9197, 5691]	10243	[10788, 2769]
1892	[3258, 3259]	4676	[6737, 6738]	7460	[5510, 5369]	10244	[10789, 6635]
1893	[3260, 1084]	4677	[5109, 6739]	7461	[9198, 5410]	10245	[10790, 489]
1894	[3261, 3262]	4678	[6740, 825]	7462	[9199, 9200]	10246	[10791, 789]
1895	[3263, 3264]	4679	[2371, 4864]	7463	[9201, 6090]	10247	[10792, 5431]
1896	[3265, 3266]	4680	[901, 5472]	7464	[1846, 6684]	10248	[6705, 5913]
1897	[3267, 3268]	4681	[6741, 6742]	7465	[8838, 6292]	10249	[9947, 5968]
1898	[3269, 3270]	4682	[6743, 2502]	7466	[2901, 135]	10250	[6650, 10731]
1899	[3271, 3122]	4683	[6744, 5419]	7467	[9202, 1936]	10251	[10793, 10794]
1900	[3272, 3273]	4684	[2100, 5612]	7468	[1849, 5094]	10252	[10795, 10796]
1901	[3274, 3275]	4685	[6646, 6745]	7469	[5089, 786]	10253	[9424, 10691]
1902	[3276, 3277]	4686	[6746, 5719]	7470	[9203, 6300]	10254	[10797, 2414]
1903	[3278, 1205]	4687	[6747, 823]	7471	[5707, 9204]	10255	[10798, 8851]
1904	[3279, 948]	4688	[6748, 4842]	7472	[9205, 9206]	10256	[4866, 6130]
1905	[3280, 3281]	4689	[6749, 584]	7473	[6063, 9207]	10257	[9411, 9745]
1906	[3282, 3283]	4690	[6750, 6037]	7474	[9208, 2049]	10258	[2565, 5763]
1907	[3284, 3285]	4691	[5261, 6751]	7475	[9209, 5410]	10259	[8935, 5207]
1908	[3286, 3287]	4692	[6752, 6753]	7476	[9210, 4928]	10260	[10799, 8913]
1909	[3288, 3289]	4693	[6095, 6751]	7477	[9211, 1833]	10261	[2643, 2333]

1910	[3290, 3291]	4694	[6104, 2284]	7478	[9212, 6582]	10262	[201, 10653]
1911	[3292, 3293]	4695	[6101, 5508]	7479	[9213, 5832]	10263	[10800, 2884]
1912	[3294, 3295]	4696	[6754, 5320]	7480	[9214, 9215]	10264	[5852, 9899]
1913	[3296, 3297]	4697	[6755, 6756]	7481	[5266, 1873]	10265	[2648, 719]
1914	[3298, 999]	4698	[6737, 6757]	7482	[9216, 6027]	10266	[6696, 5692]
1915	[3299, 3300]	4699	[6758, 535]	7483	[5150, 2027]	10267	[9953, 9004]
1916	[3301, 3302]	4700	[829, 6759]	7484	[9217, 5361]	10268	[5807, 1861]
1917	[1498, 3303]	4701	[6760, 6761]	7485	[9218, 5414]	10269	[2829, 9513]
1918	[3304, 3305]	4702	[1872, 5729]	7486	[5869, 5220]	10270	[5155, 6088]
1919	[3306, 3307]	4703	[6762, 1815]	7487	[4977, 9219]	10271	[10801, 6560]
1920	[3308, 448]	4704	[5356, 6400]	7488	[9220, 9221]	10272	[10802, 5965]
1921	[3309, 1597]	4705	[705, 5787]	7489	[9222, 6456]	10273	[9877, 10803]
1922	[1162, 3310]	4706	[2516, 212]	7490	[2935, 6616]	10274	[9262, 2168]
1923	[3311, 3312]	4707	[1751, 6537]	7491	[9223, 9224]	10275	[5218, 2522]
1924	[3313, 3314]	4708	[6763, 6764]	7492	[9225, 1834]	10276	[6766, 5916]
1925	[3315, 3316]	4709	[6765, 2775]	7493	[9226, 2176]	10277	[890, 2815]
1926	[3317, 3318]	4710	[6766, 6767]	7494	[6361, 568]	10278	[9086, 2721]
1927	[3319, 3320]	4711	[2323, 6768]	7495	[6194, 5505]	10279	[2263, 772]
1928	[1034, 3321]	4712	[6769, 4953]	7496	[5446, 8797]	10280	[5498, 856]
1929	[3322, 3323]	4713	[6770, 4897]	7497	[5300, 8842]	10281	[10804, 5976]
1930	[3324, 3325]	4714	[6771, 2388]	7498	[9227, 6375]	10282	[10805, 9012]
1931	[282, 1165]	4715	[6772, 4907]	7499	[6469, 9228]	10283	[5893, 2705]
1932	[1102, 3151]	4716	[5417, 6194]	7500	[8900, 8779]	10284	[9823, 9147]
1933	[3326, 3327]	4717	[6773, 5336]	7501	[9229, 4820]	10285	[2229, 9332]
1934	[3328, 1639]	4718	[6774, 6775]	7502	[9230, 9231]	10286	[1967, 6808]
1935	[3329, 3330]	4719	[6006, 1950]	7503	[9232, 9014]	10287	[10806, 2722]
1936	[3331, 3289]	4720	[5277, 6776]	7504	[9233, 8739]	10288	[1954, 6759]
1937	[3332, 3333]	4721	[6777, 5065]	7505	[4819, 9234]	10289	[6163, 5338]
1938	[3334, 115]	4722	[5075, 6778]	7506	[9235, 6667]	10290	[10807, 1737]
1939	[280, 3335]	4723	[5791, 5753]	7507	[9236, 2954]	10291	[5379, 10663]
1940	[284, 1718]	4724	[6779, 6780]	7508	[6709, 37]	10292	[10808, 9762]
1941	[3336, 1721]	4725	[2028, 5811]	7509	[2209, 503]	10293	[9767, 9689]
1942	[1643, 3337]	4726	[6781, 5957]	7510	[9237, 872]	10294	[9631, 772]
1943	[3338, 1211]	4727	[6782, 2707]	7511	[5171, 1880]	10295	[232, 8758]
1944	[1180, 3339]	4728	[2489, 5271]	7512	[9238, 1978]	10296	[230, 5003]
1945	[3340, 3341]	4729	[4913, 1935]	7513	[2262, 6621]	10297	[10809, 6658]
1946	[3342, 3343]	4730	[6403, 5380]	7514	[36, 1740]	10298	[10810, 4967]
1947	[3344, 3345]	4731	[5861, 6783]	7515	[9239, 9240]	10299	[6536, 9504]
1948	[22, 3346]	4732	[6784, 5896]	7516	[9241, 5942]	10300	[10811, 5634]
1949	[3347, 3348]	4733	[2033, 2167]	7517	[5406, 4946]	10301	[8961, 9538]
1950	[3349, 3350]	4734	[6785, 6764]	7518	[6036, 2558]	10302	[9872, 10812]
1951	[3351, 3352]	4735	[6786, 5236]	7519	[6844, 5818]	10303	[5068, 4874]
1952	[3353, 3354]	4736	[6703, 2379]	7520	[9242, 6117]	10304	[9142, 2040]
1953	[3355, 3356]	4737	[6787, 6788]	7521	[9243, 6182]	10305	[4971, 2985]

1954	[3357, 3358]	4738	[6789, 6741]	7522	[9244, 6255]	10306	[9518, 4828]
1955	[3359, 1590]	4739	[6790, 6791]	7523	[9245, 9246]	10307	[5505, 8893]
1956	[3360, 3361]	4740	[6792, 6793]	7524	[9247, 6042]	10308	[5793, 9355]
1957	[3362, 3363]	4741	[5681, 4988]	7525	[9248, 1960]	10309	[1782, 6805]
1958	[3364, 3365]	4742	[6794, 5862]	7526	[5104, 1914]	10310	[10813, 703]
1959	[3366, 937]	4743	[2797, 6627]	7527	[9249, 6239]	10311	[10799, 8943]
1960	[3367, 3368]	4744	[6021, 6795]	7528	[9250, 725]	10312	[6117, 9853]
1961	[3369, 3370]	4745	[6796, 160]	7529	[5166, 493]	10313	[10814, 6075]
1962	[3371, 3372]	4746	[6114, 5888]	7530	[9251, 2539]	10314	[170, 1850]
1963	[3194, 3373]	4747	[6394, 1999]	7531	[9026, 1928]	10315	[5872, 786]
1964	[3374, 3375]	4748	[6797, 6798]	7532	[2233, 5308]	10316	[2630, 8778]
1965	[3376, 3377]	4749	[6304, 723]	7533	[8809, 9073]	10317	[2150, 2665]
1966	[3378, 3379]	4750	[6799, 6624]	7534	[9252, 44]	10318	[6089, 10815]
1967	[3380, 3381]	4751	[2726, 6068]	7535	[9253, 2084]	10319	[5538, 8778]
1968	[3382, 3383]	4752	[6800, 2254]	7536	[5886, 2486]	10320	[9276, 10724]
1969	[3384, 1045]	4753	[2972, 6801]	7537	[9254, 2378]	10321	[5370, 1965]
1970	[3385, 3386]	4754	[6802, 6761]	7538	[5717, 2906]	10322	[9385, 10816]
1971	[1329, 3387]	4755	[6803, 822]	7539	[9255, 5565]	10323	[6806, 917]
1972	[3121, 1409]	4756	[6804, 6805]	7540	[5832, 5358]	10324	[10817, 6071]
1973	[3388, 3389]	4757	[495, 5351]	7541	[5099, 6662]	10325	[10818, 10819]
1974	[3390, 3391]	4758	[1777, 6806]	7542	[5530, 9256]	10326	[10820, 6109]
1975	[1507, 968]	4759	[6807, 6808]	7543	[9257, 2671]	10327	[9432, 2222]
1976	[1107, 3392]	4760	[125, 2053]	7544	[5826, 1771]	10328	[10821, 6206]
1977	[3393, 3394]	4761	[6809, 5970]	7545	[9258, 796]	10329	[9382, 5435]
1978	[3395, 3396]	4762	[6810, 180]	7546	[615, 9259]	10330	[1789, 6646]
1979	[3397, 3398]	4763	[6811, 6273]	7547	[6769, 2038]	10331	[10822, 9715]
1980	[3399, 3400]	4764	[6812, 2444]	7548	[9260, 9261]	10332	[10792, 6636]
1981	[3401, 3402]	4765	[6813, 6814]	7549	[9262, 2208]	10333	[10717, 9405]
1982	[3403, 3404]	4766	[6815, 5956]	7550	[9263, 6087]	10334	[9481, 5571]
1983	[3405, 3406]	4767	[2284, 6100]	7551	[1732, 2802]	10335	[2224, 6521]
1984	[3407, 3408]	4768	[6816, 5897]	7552	[9264, 6669]	10336	[2306, 9920]
1985	[933, 3409]	4769	[6817, 6818]	7553	[9265, 9266]	10337	[9360, 6025]
1986	[3410, 3411]	4770	[5501, 4857]	7554	[9267, 241]	10338	[768, 6499]
1987	[3412, 957]	4771	[6819, 2624]	7555	[2564, 4874]	10339	[5784, 6839]
1988	[3413, 3414]	4772	[4832, 2686]	7556	[9268, 6598]	10340	[5803, 6224]
1989	[3415, 3416]	4773	[6820, 702]	7557	[9269, 5145]	10341	[10823, 6332]
1990	[3417, 3418]	4774	[6821, 5635]	7558	[2210, 2380]	10342	[4901, 6275]
1991	[3419, 3420]	4775	[6822, 6351]	7559	[9270, 4896]	10343	[10824, 6451]
1992	[3421, 3422]	4776	[2061, 5154]	7560	[9271, 5238]	10344	[10825, 233]
1993	[3423, 3424]	4777	[5057, 743]	7561	[12, 1868]	10345	[9202, 924]
1994	[3425, 3426]	4778	[6823, 4883]	7562	[9272, 2817]	10346	[6219, 8978]
1995	[3427, 3428]	4779	[6824, 6623]	7563	[1731, 2801]	10347	[1774, 10826]
1996	[262, 3429]	4780	[6825, 5905]	7564	[9189, 9273]	10348	[10827, 10828]
1997	[3430, 1454]	4781	[6826, 4865]	7565	[6702, 5583]	10349	[10829, 5259]

1998	[3431, 986]	4782	[2889, 2398]	7566	[9274, 9275]	10350	[9304, 9413]
1999	[3432, 3433]	4783	[5650, 2357]	7567	[9276, 6155]	10351	[2214, 9581]
2000	[3434, 340]	4784	[6827, 6828]	7568	[9277, 9278]	10352	[2026, 8819]
2001	[3435, 3436]	4785	[6829, 5133]	7569	[4837, 9025]	10353	[2658, 8915]
2002	[3437, 3130]	4786	[6830, 5938]	7570	[2755, 6354]	10354	[10830, 9629]
2003	[3438, 3439]	4787	[4886, 6831]	7571	[5928, 1754]	10355	[9897, 10831]
2004	[3440, 3441]	4788	[6832, 695]	7572	[9279, 9280]	10356	[895, 6382]
2005	[1366, 3442]	4789	[5422, 6141]	7573	[9281, 2651]	10357	[6379, 4981]
2006	[3443, 3444]	4790	[6833, 2225]	7574	[9282, 6778]	10358	[763, 10832]
2007	[3445, 3446]	4791	[1793, 6834]	7575	[8859, 9283]	10359	[8966, 5291]
2008	[3447, 3432]	4792	[6809, 5631]	7576	[9284, 2018]	10360	[2687, 6718]
2009	[3448, 3449]	4793	[913, 5340]	7577	[8987, 5399]	10361	[10833, 1948]
2010	[3450, 3451]	4794	[6835, 2148]	7578	[8851, 5716]	10362	[2404, 9580]
2011	[3452, 3453]	4795	[6836, 216]	7579	[9285, 6165]	10363	[10834, 783]
2012	[3454, 3455]	4796	[6837, 6838]	7580	[9286, 587]	10364	[9512, 10835]
2013	[3456, 3457]	4797	[6839, 2055]	7581	[9287, 9288]	10365	[9692, 2247]
2014	[3458, 3459]	4798	[6840, 5277]	7582	[6030, 8800]	10366	[5574, 2482]
2015	[3460, 3461]	4799	[6841, 747]	7583	[904, 5309]	10367	[10836, 6006]
2016	[3200, 3462]	4800	[6842, 638]	7584	[9289, 2413]	10368	[5875, 2511]
2017	[3463, 1318]	4801	[6843, 640]	7585	[583, 5869]	10369	[10837, 6278]
2018	[3464, 1532]	4802	[2338, 6163]	7586	[9290, 6391]	10370	[4918, 10816]
2019	[3465, 3466]	4803	[6844, 6138]	7587	[9291, 9261]	10371	[4987, 5682]
2020	[3467, 3468]	4804	[6845, 732]	7588	[8950, 9292]	10372	[2605, 10838]
2021	[3469, 3470]	4805	[6846, 2513]	7589	[6267, 2380]	10373	[10839, 2887]
2022	[3471, 1358]	4806	[5607, 6847]	7590	[2578, 5527]	10374	[10840, 8937]
2023	[330, 3472]	4807	[6848, 3764]	7591	[9293, 1964]	10375	[8974, 5369]
2024	[3473, 1178]	4808	[4363, 6849]	7592	[2003, 9155]	10376	[9818, 8913]
2025	[3474, 3475]	4809	[6850, 6851]	7593	[9294, 9295]	10377	[10841, 9275]
2026	[3476, 3477]	4810	[6852, 6853]	7594	[2249, 5544]	10378	[789, 2664]
2027	[3478, 3479]	4811	[3354, 1111]	7595	[9296, 9061]	10379	[10782, 2140]
2028	[3480, 3169]	4812	[6854, 1317]	7596	[9297, 5667]	10380	[10842, 10843]
2029	[3481, 3482]	4813	[6855, 3679]	7597	[8821, 2901]	10381	[10844, 9409]
2030	[3483, 1211]	4814	[6856, 3461]	7598	[9298, 5845]	10382	[9685, 5020]
2031	[3484, 3485]	4815	[1590, 1353]	7599	[4831, 5968]	10383	[9863, 10803]
2032	[3486, 3487]	4816	[6857, 3058]	7600	[9299, 5210]	10384	[907, 10845]
2033	[3488, 3489]	4817	[1242, 247]	7601	[2692, 9300]	10385	[6736, 10781]
2034	[3490, 3491]	4818	[6858, 6859]	7602	[9177, 4828]	10386	[10778, 4982]
2035	[3245, 3492]	4819	[6860, 6861]	7603	[2625, 6720]	10387	[10846, 10746]
2036	[2989, 1063]	4820	[6862, 3845]	7604	[5253, 5627]	10388	[6059, 2672]
2037	[3493, 1214]	4821	[6863, 4122]	7605	[9301, 2294]	10389	[9474, 10847]
2038	[3494, 3495]	4822	[286, 1043]	7606	[6589, 8809]	10390	[10848, 9491]
2039	[3496, 3497]	4823	[6864, 6865]	7607	[1767, 6376]	10391	[10849, 9914]
2040	[3498, 3465]	4824	[4368, 6866]	7608	[5907, 5177]	10392	[5560, 10658]
2041	[3499, 3500]	4825	[6867, 29]	7609	[9302, 9303]	10393	[5099, 6725]

2042	[3501, 1257]	4826	[3269, 315]	7610	[9304, 5843]	10394	[573, 633]
2043	[3502, 3503]	4827	[6868, 6869]	7611	[9305, 4890]	10395	[654, 6198]
2044	[3504, 3505]	4828	[6870, 4247]	7612	[5290, 2927]	10396	[6618, 5776]
2045	[3506, 3507]	4829	[4608, 6871]	7613	[9306, 5561]	10397	[1753, 5929]
2046	[3508, 3509]	4830	[6872, 6873]	7614	[6580, 5757]	10398	[2410, 2203]
2047	[3510, 336]	4831	[6874, 3905]	7615	[9307, 2729]	10399	[10850, 5138]
2048	[3511, 3512]	4832	[6875, 3612]	7616	[2181, 5334]	10400	[2140, 5125]
2049	[3513, 3514]	4833	[6876, 280]	7617	[9308, 6828]	10401	[6773, 9753]
2050	[1352, 333]	4834	[6877, 6878]	7618	[4934, 9309]	10402	[9890, 9529]
2051	[3515, 3516]	4835	[6879, 3419]	7619	[9310, 9311]	10403	[2077, 9814]
2052	[3517, 3400]	4836	[6880, 6881]	7620	[6718, 2260]	10404	[518, 10851]
2053	[3518, 3519]	4837	[6882, 6883]	7621	[9312, 488]	10405	[10852, 217]
2054	[307, 3520]	4838	[6884, 3612]	7622	[9313, 2612]	10406	[2716, 6256]
2055	[3521, 3522]	4839	[6885, 3297]	7623	[9314, 4836]	10407	[10853, 9450]
2056	[3523, 3524]	4840	[6886, 1172]	7624	[9315, 2830]	10408	[10854, 9223]
2057	[3525, 3526]	4841	[1613, 6887]	7625	[2165, 8729]	10409	[9670, 9166]
2058	[3527, 3087]	4842	[6888, 6889]	7626	[9316, 2324]	10410	[10759, 2615]
2059	[3528, 1253]	4843	[6890, 3521]	7627	[5852, 9317]	10411	[9900, 9219]
2060	[3529, 3034]	4844	[6891, 6892]	7628	[4822, 8818]	10412	[6506, 8850]
2061	[1373, 3530]	4845	[4660, 6893]	7629	[5428, 852]	10413	[5856, 2287]
2062	[3531, 3532]	4846	[3295, 429]	7630	[9183, 6029]	10414	[2657, 2329]
2063	[3533, 3534]	4847	[4789, 6894]	7631	[9018, 2365]	10415	[10668, 10855]
2064	[3535, 17]	4848	[6895, 4410]	7632	[9318, 9319]	10416	[9201, 10815]
2065	[3536, 1332]	4849	[6896, 6897]	7633	[9320, 779]	10417	[10856, 5445]
2066	[3537, 1089]	4850	[6898, 4606]	7634	[6620, 5163]	10418	[10857, 4825]
2067	[3538, 1652]	4851	[3847, 6899]	7635	[8943, 9321]	10419	[2353, 10858]
2068	[3539, 1523]	4852	[6900, 6901]	7636	[9322, 768]	10420	[10859, 580]
2069	[3540, 3541]	4853	[6902, 3899]	7637	[555, 6382]	10421	[6693, 6685]
2070	[3542, 3543]	4854	[6903, 6904]	7638	[9323, 5924]	10422	[10860, 10752]
2071	[3544, 989]	4855	[6905, 6906]	7639	[6596, 6288]	10423	[6701, 2813]
2072	[3545, 1158]	4856	[6907, 3401]	7640	[9324, 5977]	10424	[9613, 2514]
2073	[3546, 1512]	4857	[6908, 1050]	7641	[2926, 5884]	10425	[1778, 917]
2074	[3547, 3548]	4858	[6909, 4650]	7642	[9325, 9326]	10426	[5934, 2801]
2075	[3549, 3002]	4859	[6910, 4239]	7643	[9327, 9328]	10427	[10861, 9466]
2076	[3550, 3179]	4860	[6911, 4625]	7644	[9329, 814]	10428	[598, 10772]
2077	[3551, 3552]	4861	[3345, 6912]	7645	[8979, 6137]	10429	[2865, 9911]
2078	[3553, 3554]	4862	[3058, 6913]	7646	[9330, 5681]	10430	[2300, 2269]
2079	[3555, 3556]	4863	[3881, 6914]	7647	[5632, 9144]	10431	[5467, 5626]
2080	[1379, 3551]	4864	[3996, 308]	7648	[9331, 9229]	10432	[242, 10747]
2081	[3557, 3558]	4865	[3338, 6915]	7649	[1843, 9332]	10433	[9509, 9358]
2082	[3559, 3560]	4866	[6916, 6917]	7650	[1878, 6049]	10434	[9044, 8950]
2083	[1244, 3561]	4867	[6918, 6919]	7651	[5502, 8996]	10435	[10862, 6697]
2084	[3138, 3562]	4868	[3660, 4707]	7652	[9333, 2865]	10436	[10771, 10826]
2085	[3563, 3564]	4869	[6920, 1247]	7653	[9334, 655]	10437	[612, 5615]

2086	[3565, 3566]	4870	[6921, 4320]	7654	[813, 1756]	10438	[10863, 1911]
2087	[3567, 3568]	4871	[6922, 6923]	7655	[6547, 9077]	10439	[10864, 10843]
2088	[3569, 3570]	4872	[6924, 6925]	7656	[2443, 9135]	10440	[10790, 6019]
2089	[3571, 1554]	4873	[6926, 6927]	7657	[2349, 9335]	10441	[6111, 5043]
2090	[3572, 3573]	4874	[6928, 4118]	7658	[9336, 6416]	10442	[9085, 1989]
2091	[3574, 3575]	4875	[6929, 6930]	7659	[9337, 2242]	10443	[10865, 2339]
2092	[3576, 3577]	4876	[6931, 6932]	7660	[9338, 9256]	10444	[10684, 682]
2093	[3578, 3579]	4877	[3333, 6933]	7661	[9339, 5075]	10445	[4940, 9777]
2094	[3580, 3581]	4878	[1450, 315]	7662	[9157, 576]	10446	[9253, 5182]
2095	[1177, 3582]	4879	[6934, 1401]	7663	[9340, 2071]	10447	[2613, 559]
2096	[3583, 3329]	4880	[6935, 3331]	7664	[9341, 5251]	10448	[10762, 6161]
2097	[3584, 3585]	4881	[6936, 6937]	7665	[9342, 743]	10449	[9915, 9175]
2098	[3586, 1018]	4882	[6938, 6939]	7666	[9343, 1857]	10450	[10866, 628]
2099	[3587, 3117]	4883	[6940, 6941]	7667	[9344, 9168]	10451	[6380, 9101]
2100	[3588, 3589]	4884	[6942, 3854]	7668	[9345, 2570]	10452	[10867, 6734]
2101	[3590, 3591]	4885	[6943, 1354]	7669	[5123, 5245]	10453	[10868, 2375]
2102	[3457, 3592]	4886	[3470, 1220]	7670	[9346, 5837]	10454	[8793, 6401]
2103	[3593, 3594]	4887	[3753, 4098]	7671	[9347, 546]	10455	[702, 2614]
2104	[3595, 3596]	4888	[4456, 3202]	7672	[5145, 5397]	10456	[9492, 5129]
2105	[3597, 3598]	4889	[6944, 3579]	7673	[8789, 9348]	10457	[633, 510]
2106	[3599, 1649]	4890	[6945, 6946]	7674	[2229, 1844]	10458	[2885, 10869]
2107	[3600, 3601]	4891	[6947, 4336]	7675	[9239, 5402]	10459	[10870, 9626]
2108	[3602, 3603]	4892	[6948, 6949]	7676	[9349, 6462]	10460	[4969, 5027]
2109	[3604, 3605]	4893	[1128, 6950]	7677	[5463, 2009]	10461	[2895, 9403]
2110	[3606, 3607]	4894	[6911, 1402]	7678	[2780, 2786]	10462	[10871, 5644]
2111	[3608, 3609]	4895	[6951, 3219]	7679	[9350, 9351]	10463	[5004, 6156]
2112	[3610, 3611]	4896	[6952, 277]	7680	[9352, 632]	10464	[5504, 9092]
2113	[3612, 3613]	4897	[6953, 6954]	7681	[9353, 5755]	10465	[6047, 6831]
2114	[3614, 3615]	4898	[6955, 6956]	7682	[760, 2881]	10466	[5993, 10872]
2115	[1588, 3616]	4899	[1050, 6957]	7683	[2573, 9354]	10467	[2678, 516]
2116	[3564, 3617]	4900	[1565, 393]	7684	[1725, 9355]	10468	[9081, 9534]
2117	[3618, 3619]	4901	[6958, 6959]	7685	[9356, 2595]	10469	[6604, 2524]
2118	[3339, 3620]	4902	[345, 4758]	7686	[9357, 5298]	10470	[6508, 8925]
2119	[3621, 3622]	4903	[4084, 4188]	7687	[6789, 845]	10471	[2301, 10680]
2120	[3623, 3624]	4904	[6960, 96]	7688	[9325, 9358]	10472	[10873, 6072]
2121	[3159, 1381]	4905	[6961, 6962]	7689	[9359, 6609]	10473	[10874, 8931]
2122	[3625, 3626]	4906	[6963, 1579]	7690	[9360, 1821]	10474	[10867, 6744]
2123	[3627, 3628]	4907	[3264, 4489]	7691	[9361, 54]	10475	[740, 6801]
2124	[3629, 3630]	4908	[6964, 3432]	7692	[6445, 4872]	10476	[10875, 2460]
2125	[3292, 1568]	4909	[6965, 6966]	7693	[6167, 5013]	10477	[10876, 5604]
2126	[3631, 3632]	4910	[6967, 3707]	7694	[1999, 515]	10478	[9316, 6768]
2127	[3633, 3634]	4911	[71, 288]	7695	[9362, 5803]	10479	[2489, 9634]
2128	[16, 3092]	4912	[6968, 6969]	7696	[9363, 566]	10480	[10877, 10878]
2129	[3635, 3636]	4913	[6970, 6971]	7697	[5693, 735]	10481	[5338, 6288]

2130	[3637, 3638]	4914	[6972, 6973]	7698	[9364, 8875]	10482	[10879, 10757]
2131	[3639, 3378]	4915	[6974, 6975]	7699	[662, 1757]	10483	[5986, 6113]
2132	[3640, 344]	4916	[4395, 3594]	7700	[2220, 4850]	10484	[10880, 10819]
2133	[3641, 3203]	4917	[6976, 6949]	7701	[9365, 9228]	10485	[9041, 9354]
2134	[3642, 3643]	4918	[6977, 4632]	7702	[6423, 5436]	10486	[10881, 5893]
2135	[3644, 3396]	4919	[6978, 1285]	7703	[9366, 9367]	10487	[5175, 10882]
2136	[3645, 3276]	4920	[6979, 1476]	7704	[5897, 2960]	10488	[10883, 193]
2137	[3646, 3647]	4921	[6980, 6981]	7705	[2806, 2405]	10489	[9723, 6119]
2138	[1508, 3648]	4922	[6982, 6983]	7706	[9368, 6736]	10490	[10884, 237]
2139	[3649, 350]	4923	[6984, 3648]	7707	[2361, 5504]	10491	[6067, 2727]
2140	[3650, 3651]	4924	[6985, 6986]	7708	[1972, 9369]	10492	[9865, 2009]
2141	[3652, 107]	4925	[3243, 6987]	7709	[5075, 9370]	10493	[8916, 5999]
2142	[3394, 3653]	4926	[6915, 6988]	7710	[8759, 9371]	10494	[10885, 2426]
2143	[1566, 3654]	4927	[6989, 6990]	7711	[216, 6844]	10495	[10886, 10887]
2144	[3655, 3656]	4928	[6991, 6992]	7712	[5051, 2185]	10496	[10888, 9651]
2145	[3657, 3658]	4929	[6993, 373]	7713	[9372, 5470]	10497	[8729, 45]
2146	[3659, 3660]	4930	[6994, 1701]	7714	[9373, 5115]	10498	[10889, 6186]
2147	[3661, 1632]	4931	[6995, 4363]	7715	[2929, 9374]	10499	[10749, 6342]
2148	[3662, 3663]	4932	[1539, 1229]	7716	[5232, 61]	10500	[9329, 1916]
2149	[3664, 3665]	4933	[6996, 3673]	7717	[9375, 542]	10501	[10657, 10890]
2150	[3666, 3667]	4934	[4657, 442]	7718	[9376, 9083]	10502	[10891, 6599]
2151	[3668, 3669]	4935	[6997, 6998]	7719	[9377, 9295]	10503	[6488, 2116]
2152	[3670, 3671]	4936	[6999, 7000]	7720	[6349, 5484]	10504	[2131, 1965]
2153	[3672, 3673]	4937	[62, 7001]	7721	[9378, 5689]	10505	[10892, 2460]
2154	[3674, 3675]	4938	[7002, 7003]	7722	[1990, 9018]	10506	[2074, 10744]
2155	[431, 483]	4939	[7004, 7005]	7723	[9379, 2605]	10507	[10893, 10887]
2156	[1284, 3407]	4940	[7006, 1714]	7724	[9380, 1834]	10508	[6578, 10851]
2157	[3676, 3677]	4941	[7007, 7008]	7725	[9381, 6403]	10509	[10894, 5354]
2158	[359, 3678]	4942	[7009, 4238]	7726	[9382, 6423]	10510	[5729, 9930]
2159	[3679, 3680]	4943	[7010, 3920]	7727	[6295, 638]	10511	[10895, 2667]
2160	[3534, 3061]	4944	[1363, 7011]	7728	[2844, 5717]	10512	[10896, 9152]
2161	[3681, 3682]	4945	[7012, 1115]	7729	[9383, 6501]	10513	[1980, 10897]
2162	[3683, 3033]	4946	[7013, 7014]	7730	[9230, 9384]	10514	[5453, 624]
2163	[3684, 3685]	4947	[7015, 3722]	7731	[6753, 5637]	10515	[9103, 2366]
2164	[3686, 3041]	4948	[4087, 7016]	7732	[2018, 820]	10516	[6734, 9284]
2165	[3687, 90]	4949	[7017, 3836]	7733	[8834, 2600]	10517	[5639, 2303]
2166	[3688, 3689]	4950	[7018, 369]	7734	[9385, 4919]	10518	[9514, 10898]
2167	[3487, 3690]	4951	[7019, 3362]	7735	[9386, 5426]	10519	[10830, 10899]
2168	[3691, 3692]	4952	[7020, 3364]	7736	[5785, 2055]	10520	[5929, 2580]
2169	[1672, 3693]	4953	[7021, 7022]	7737	[9387, 2252]	10521	[2708, 4983]
2170	[3694, 1118]	4954	[3390, 7023]	7738	[9388, 596]	10522	[2054, 2717]
2171	[3695, 3696]	4955	[971, 7024]	7739	[9389, 6415]	10523	[10900, 2]
2172	[3697, 1483]	4956	[7025, 7026]	7740	[768, 5552]	10524	[5508, 6753]
2173	[3698, 3699]	4957	[7027, 1114]	7741	[6677, 171]	10525	[2448, 754]

2174	[3700, 3701]	4958	[7028, 7029]	7742	[8958, 5248]	10526	[9218, 9521]
2175	[1203, 3702]	4959	[7030, 4049]	7743	[6531, 6674]	10527	[10901, 10902]
2176	[3703, 3704]	4960	[7031, 3459]	7744	[5383, 9390]	10528	[9089, 10775]
2177	[3705, 3077]	4961	[471, 3184]	7745	[5302, 599]	10529	[10903, 10768]
2178	[3706, 3707]	4962	[7032, 3280]	7746	[2494, 6345]	10530	[5381, 2006]
2179	[3317, 3708]	4963	[7033, 7034]	7747	[669, 2066]	10531	[9925, 2499]
2180	[3709, 3439]	4964	[7035, 396]	7748	[9391, 525]	10532	[10904, 2173]
2181	[3710, 1621]	4965	[7036, 1414]	7749	[9392, 5540]	10533	[10905, 6142]
2182	[3711, 3446]	4966	[7037, 7038]	7750	[9393, 5494]	10534	[9808, 9428]
2183	[3712, 3713]	4967	[1654, 262]	7751	[9394, 9395]	10535	[9527, 5390]
2184	[3714, 3492]	4968	[7039, 7040]	7752	[6107, 622]	10536	[5063, 6139]
2185	[3715, 3716]	4969	[7041, 1463]	7753	[9396, 9397]	10537	[10906, 10676]
2186	[3717, 3718]	4970	[7042, 4805]	7754	[6711, 2214]	10538	[9754, 9810]
2187	[3719, 3720]	4971	[7043, 7044]	7755	[5190, 8950]	10539	[10907, 8866]
2188	[3721, 266]	4972	[7045, 1625]	7756	[9398, 4854]	10540	[5735, 10897]
2189	[1710, 3722]	4973	[7046, 6855]	7757	[2011, 2097]	10541	[9660, 10812]
2190	[3363, 3723]	4974	[3598, 1046]	7758	[8768, 4886]	10542	[5130, 6119]
2191	[3724, 3725]	4975	[7047, 7048]	7759	[9399, 6655]	10543	[10750, 6289]
2192	[3726, 3727]	4976	[73, 7049]	7760	[6706, 190]	10544	[9495, 10908]
2193	[3689, 3728]	4977	[6898, 3582]	7761	[5264, 1902]	10545	[10909, 6346]
2194	[3729, 3730]	4978	[7050, 7051]	7762	[1790, 6647]	10546	[10783, 9632]
2195	[3731, 3732]	4979	[7052, 112]	7763	[9400, 9022]	10547	[10910, 5465]
2196	[3601, 3386]	4980	[7053, 4130]	7764	[8789, 5921]	10548	[5366, 8916]
2197	[1319, 3733]	4981	[7054, 4505]	7765	[9401, 6196]	10549	[10911, 10912]
2198	[3734, 391]	4982	[7055, 3338]	7766	[9402, 2846]	10550	[6674, 5177]
2199	[3735, 3736]	4983	[4551, 1617]	7767	[5950, 9403]	10551	[8736, 6405]
2200	[3737, 3738]	4984	[7056, 7057]	7768	[9404, 9405]	10552	[10913, 9903]
2201	[3739, 3740]	4985	[7058, 3110]	7769	[6257, 5451]	10553	[8741, 6661]
2202	[3071, 3741]	4986	[7059, 3512]	7770	[209, 9406]	10554	[10699, 5856]
2203	[1482, 3742]	4987	[7060, 7061]	7771	[9407, 2783]	10555	[10914, 8856]
2204	[3743, 3637]	4988	[7062, 3903]	7772	[9408, 9409]	10556	[9173, 10835]
2205	[3744, 3745]	4989	[1660, 4613]	7773	[6526, 2036]	10557	[10785, 2307]
2206	[1282, 3746]	4990	[7063, 4261]	7774	[2546, 5503]	10558	[5415, 2521]
2207	[3747, 1280]	4991	[7064, 7065]	7775	[8967, 9410]	10559	[10915, 2056]
2208	[1671, 3748]	4992	[7066, 7067]	7776	[9411, 5112]	10560	[10846, 5063]
2209	[3749, 3750]	4993	[7068, 1338]	7777	[9412, 9221]	10561	[10786, 2838]
2210	[3751, 3752]	4994	[7069, 4042]	7778	[5842, 9413]	10562	[10916, 10917]
2211	[3468, 3753]	4995	[7070, 7071]	7779	[5651, 5777]	10563	[9773, 10890]
2212	[3754, 3755]	4996	[4511, 1006]	7780	[6288, 9414]	10564	[9324, 9120]
2213	[3756, 1222]	4997	[7072, 4399]	7781	[9415, 5139]	10565	[10896, 5878]
2214	[3757, 3758]	4998	[7073, 7074]	7782	[9416, 5587]	10566	[10918, 1921]
2215	[3759, 3760]	4999	[3312, 7075]	7783	[9417, 9418]	10567	[10919, 1961]
2216	[3761, 3762]	5000	[7076, 7077]	7784	[488, 5458]	10568	[10920, 6460]
2217	[3763, 3658]	5001	[7078, 7079]	7785	[2114, 5046]	10569	[2778, 4997]

2218	[3764, 3475]	5002	[7080, 1570]	7786	[9419, 8889]	10570	[2481, 4840]
2219	[3765, 3766]	5003	[452, 7081]	7787	[9420, 9421]	10571	[10921, 2248]
2220	[3767, 3768]	5004	[7082, 7083]	7788	[6589, 6628]	10572	[2030, 10765]
2221	[3769, 3770]	5005	[7084, 7085]	7789	[9422, 9423]	10573	[6600, 9680]
2222	[390, 3771]	5006	[7086, 3502]	7790	[2106, 5086]	10574	[10922, 10794]
2223	[3772, 3773]	5007	[7087, 4313]	7791	[2124, 9424]	10575	[2091, 2325]
2224	[3774, 3775]	5008	[7088, 3462]	7792	[6215, 5974]	10576	[6461, 5832]
2225	[3776, 3777]	5009	[6918, 4621]	7793	[9425, 6769]	10577	[666, 10923]
2226	[3778, 3779]	5010	[7089, 4227]	7794	[9426, 5532]	10578	[9011, 10924]
2227	[3323, 1391]	5011	[95, 4127]	7795	[6441, 4857]	10579	[2217, 9663]
2228	[3780, 3010]	5012	[7090, 7091]	7796	[873, 2217]	10580	[9785, 10898]
2229	[79, 3781]	5013	[3896, 7092]	7797	[803, 2543]	10581	[5829, 6844]
2230	[3782, 3783]	5014	[7093, 7094]	7798	[9427, 9428]	10582	[2929, 848]
2231	[3784, 3785]	5015	[7095, 7096]	7799	[9429, 4895]	10583	[10925, 5064]
2232	[269, 3786]	5016	[7097, 4721]	7800	[6251, 5237]	10584	[717, 10764]
2233	[3787, 3788]	5017	[3293, 1569]	7801	[9100, 9430]	10585	[9935, 9510]
2234	[3789, 3790]	5018	[7098, 4596]	7802	[9431, 5406]	10586	[10926, 5549]
2235	[3791, 3792]	5019	[1712, 3104]	7803	[9432, 9433]	10587	[10927, 9206]
2236	[3793, 3794]	5020	[7099, 7100]	7804	[9434, 9229]	10588	[9578, 5394]
2237	[3795, 3796]	5021	[4749, 7101]	7805	[4846, 9108]	10589	[525, 633]
2238	[3797, 3798]	5022	[7102, 4162]	7806	[9435, 6472]	10590	[9894, 2542]
2239	[3799, 3800]	5023	[7103, 7104]	7807	[789, 897]	10591	[2871, 6013]
2240	[1063, 3801]	5024	[7105, 301]	7808	[6001, 6588]	10592	[6716, 8882]
2241	[3802, 3803]	5025	[7106, 4730]	7809	[5790, 2738]	10593	[9944, 10869]
2242	[3804, 3805]	5026	[1462, 7107]	7810	[499, 8752]	10594	[10928, 5497]
2243	[3806, 3807]	5027	[7108, 7109]	7811	[9074, 6818]	10595	[10929, 9731]
2244	[3808, 3809]	5028	[6897, 1624]	7812	[5978, 2462]	10596	[6207, 8909]
2245	[3810, 3811]	5029	[1406, 7110]	7813	[9436, 9288]	10597	[8757, 9843]
2246	[3812, 3813]	5030	[4175, 7111]	7814	[9437, 6325]	10598	[10930, 2903]
2247	[3814, 3815]	5031	[7112, 1161]	7815	[9438, 1919]	10599	[5231, 8729]
2248	[3816, 3817]	5032	[7113, 7114]	7816	[767, 5551]	10600	[2360, 6339]
2249	[3818, 3819]	5033	[7115, 4783]	7817	[9439, 9440]	10601	[10931, 10917]
2250	[3820, 3821]	5034	[3530, 7116]	7818	[6221, 2317]	10602	[10932, 6066]
2251	[3822, 3823]	5035	[7117, 7118]	7819	[9441, 5238]	10603	[5503, 10832]
2252	[1080, 3824]	5036	[7119, 3505]	7820	[9442, 6182]	10604	[2663, 2972]
2253	[3825, 3826]	5037	[3373, 7120]	7821	[2552, 6084]	10605	[5311, 10858]
2254	[3538, 3827]	5038	[7121, 4578]	7822	[9443, 2117]	10606	[10933, 5783]
2255	[3828, 3829]	5039	[7122, 7123]	7823	[9444, 9445]	10607	[721, 5888]
2256	[1659, 3830]	5040	[7124, 7125]	7824	[5087, 5079]	10608	[10743, 10760]
2257	[3831, 1676]	5041	[7126, 6917]	7825	[9403, 2547]	10609	[2730, 9778]
2258	[3832, 3833]	5042	[7127, 7128]	7826	[9446, 2984]	10610	[5098, 6661]
2259	[3834, 3835]	5043	[4164, 447]	7827	[9447, 2652]	10611	[1748, 5534]
2260	[1055, 3836]	5044	[320, 7129]	7828	[2691, 8837]	10612	[10722, 10855]
2261	[3837, 3838]	5045	[7130, 473]	7829	[9448, 5510]	10613	[6721, 6267]

2262	[3839, 3840]	5046	[7131, 3099]	7830	[9449, 9450]	10614	[5868, 5712]
2263	[3841, 1453]	5047	[3615, 4319]	7831	[48, 9451]	10615	[10934, 8840]
2264	[3842, 1384]	5048	[374, 3355]	7832	[9452, 6083]	10616	[5908, 6521]
2265	[3314, 3843]	5049	[7132, 4575]	7833	[9453, 1830]	10617	[10935, 5872]
2266	[3745, 3844]	5050	[464, 3381]	7834	[2382, 9088]	10618	[9591, 10902]
2267	[3845, 3846]	5051	[7133, 7134]	7835	[5866, 9454]	10619	[9869, 10936]
2268	[3847, 3848]	5052	[4374, 7135]	7836	[1940, 5553]	10620	[10937, 10912]
2269	[3556, 3849]	5053	[7136, 7073]	7837	[9455, 2170]	10621	[10664, 781]
2270	[3850, 3851]	5054	[7137, 1228]	7838	[9296, 9456]	10622	[9699, 9212]
2271	[3852, 3853]	5055	[7138, 7139]	7839	[5265, 2161]	10623	[10938, 6087]
2272	[263, 3854]	5056	[1676, 7123]	7840	[4843, 9457]	10624	[9763, 1816]
2273	[3855, 3856]	5057	[7140, 3109]	7841	[1774, 9458]	10625	[5653, 9665]
2274	[3857, 3858]	5058	[7141, 7142]	7842	[9459, 6646]	10626	[10939, 9733]
2275	[3859, 944]	5059	[6905, 7143]	7843	[2433, 196]	10627	[10940, 9315]
2276	[3860, 3861]	5060	[7144, 3268]	7844	[6212, 592]	10628	[6033, 10872]
2277	[3862, 3863]	5061	[3592, 6894]	7845	[2221, 9433]	10629	[5728, 2202]
2278	[1145, 3864]	5062	[7145, 4550]	7846	[5631, 8825]	10630	[9937, 9827]
2279	[3865, 3866]	5063	[7146, 3481]	7847	[9460, 9461]	10631	[9943, 10708]
2280	[3867, 3868]	5064	[7147, 6971]	7848	[2093, 2790]	10632	[4807, 2217]
2281	[3540, 3250]	5065	[7128, 4232]	7849	[2550, 845]	10633	[9122, 490]
2282	[3869, 3870]	5066	[7148, 3951]	7850	[6333, 2237]	10634	[10941, 10828]
2283	[3871, 3872]	5067	[7149, 4476]	7851	[9462, 2119]	10635	[2652, 6719]
2284	[3873, 3874]	5068	[7150, 4575]	7852	[9463, 9046]	10636	[10862, 5692]
2285	[1650, 3875]	5069	[7151, 1363]	7853	[9029, 9189]	10637	[5177, 6502]
2286	[3876, 1309]	5070	[7152, 7153]	7854	[5515, 9112]	10638	[2430, 9300]
2287	[3877, 3878]	5071	[7154, 4547]	7855	[802, 2542]	10639	[2517, 8984]
2288	[1404, 3212]	5072	[4456, 3641]	7856	[9464, 158]	10640	[2856, 6137]
2289	[1511, 3434]	5073	[7155, 7156]	7857	[4964, 5026]	10641	[9282, 9370]
2290	[3096, 3879]	5074	[4556, 7157]	7858	[5541, 8878]	10642	[2101, 6050]
2291	[3880, 3881]	5075	[7158, 1311]	7859	[6307, 2531]	10643	[10942, 924]
2292	[3882, 1417]	5076	[3316, 3783]	7860	[9465, 9466]	10644	[9220, 10943]
2293	[3883, 3884]	5077	[7159, 7160]	7861	[9467, 9034]	10645	[6815, 10944]
2294	[3885, 3886]	5078	[1711, 3045]	7862	[9468, 6012]	10646	[10732, 780]
2295	[3764, 3887]	5079	[7161, 106]	7863	[8912, 6535]	10647	[9422, 10945]
2296	[3888, 3330]	5080	[322, 1363]	7864	[9469, 9470]	10648	[6152, 10655]
2297	[3889, 1165]	5081	[7162, 7163]	7865	[9471, 2332]	10649	[10946, 6506]
2298	[288, 1049]	5082	[7164, 1406]	7866	[9472, 903]	10650	[9267, 641]
2299	[3890, 3891]	5083	[7165, 3895]	7867	[9473, 2343]	10651	[10947, 8747]
2300	[3892, 3893]	5084	[7166, 338]	7868	[8932, 6232]	10652	[4376, 7330]
2301	[3894, 1009]	5085	[7167, 7168]	7869	[9474, 4961]	10653	[4459, 8137]
2302	[3895, 3896]	5086	[7169, 7170]	7870	[9475, 5385]	10654	[10948, 8532]
2303	[3897, 3898]	5087	[3814, 7171]	7871	[9476, 1767]	10655	[7497, 3745]
2304	[3899, 1564]	5088	[7172, 7104]	7872	[9477, 9212]	10656	[8498, 8442]
2305	[3900, 1146]	5089	[7173, 1305]	7873	[6058, 9478]	10657	[7786, 301]

2306	[3901, 3902]	5090	[7174, 1102]	7874	[9479, 2537]	10658	[1662, 4355]
2307	[3903, 3904]	5091	[3829, 3792]	7875	[9480, 5115]	10659	[10949, 8125]
2308	[3247, 3905]	5092	[7175, 7176]	7876	[9481, 2702]	10660	[10950, 8104]
2309	[3906, 3430]	5093	[7177, 366]	7877	[5421, 5576]	10661	[8341, 1291]
2310	[3907, 3908]	5094	[386, 7178]	7878	[9482, 1869]	10662	[942, 8120]
2311	[3858, 3909]	5095	[6871, 4499]	7879	[9483, 1979]	10663	[8688, 4277]
2312	[3910, 3911]	5096	[7179, 7125]	7880	[2855, 5125]	10664	[10951, 3414]
2313	[3912, 1517]	5097	[7180, 4344]	7881	[9427, 9484]	10665	[4122, 8705]
2314	[3913, 3914]	5098	[7181, 7022]	7882	[6712, 5991]	10666	[8611, 1694]
2315	[3915, 290]	5099	[7182, 3738]	7883	[8894, 2554]	10667	[4331, 10478]
2316	[3916, 3917]	5100	[7183, 1665]	7884	[2291, 5466]	10668	[7935, 8452]
2317	[3918, 3919]	5101	[7134, 6951]	7885	[6605, 9485]	10669	[7541, 8493]
2318	[3920, 3921]	5102	[7184, 1286]	7886	[8888, 9486]	10670	[10952, 7804]
2319	[3922, 1570]	5103	[4249, 3655]	7887	[9487, 9488]	10671	[7933, 3525]
2320	[3923, 3924]	5104	[4788, 3433]	7888	[5557, 9489]	10672	[7381, 10953]
2321	[1628, 3925]	5105	[7185, 4802]	7889	[9490, 9491]	10673	[10439, 10102]
2322	[3638, 384]	5106	[7186, 7187]	7890	[9492, 5215]	10674	[10954, 7226]
2323	[3926, 3927]	5107	[7188, 7189]	7891	[9493, 2775]	10675	[8110, 10226]
2324	[69, 3928]	5108	[7190, 7191]	7892	[843, 2035]	10676	[1388, 10955]
2325	[3929, 1191]	5109	[7192, 7193]	7893	[9134, 5311]	10677	[1061, 7775]
2326	[3930, 3659]	5110	[7194, 7195]	7894	[9494, 6505]	10678	[10638, 8675]
2327	[3931, 3932]	5111	[7196, 7197]	7895	[8890, 883]	10679	[10956, 7643]
2328	[3933, 3934]	5112	[7198, 7199]	7896	[9365, 6470]	10680	[10597, 10957]
2329	[3935, 1074]	5113	[7200, 7201]	7897	[9495, 9328]	10681	[8248, 4203]
2330	[3936, 1334]	5114	[7202, 1412]	7898	[9496, 9497]	10682	[4425, 4598]
2331	[3937, 3938]	5115	[7203, 7204]	7899	[9498, 1956]	10683	[10958, 3176]
2332	[3939, 3940]	5116	[6853, 7205]	7900	[6736, 6359]	10684	[8340, 1290]
2333	[3941, 3942]	5117	[3394, 2993]	7901	[6394, 514]	10685	[8692, 8324]
2334	[3943, 3944]	5118	[4176, 7206]	7902	[492, 1884]	10686	[10959, 3144]
2335	[3945, 3946]	5119	[3861, 6966]	7903	[6820, 2613]	10687	[8580, 4703]
2336	[3947, 3948]	5120	[7207, 7208]	7904	[9499, 6469]	10688	[6966, 8321]
2337	[3949, 3950]	5121	[7209, 7210]	7905	[9500, 5033]	10689	[4300, 4199]
2338	[3951, 3952]	5122	[7211, 7103]	7906	[9501, 9502]	10690	[10960, 8469]
2339	[3953, 3954]	5123	[7212, 464]	7907	[5905, 4824]	10691	[3393, 2992]
2340	[3955, 3956]	5124	[7213, 1658]	7908	[9503, 6495]	10692	[10961, 7007]
2341	[3957, 1466]	5125	[7214, 7215]	7909	[1751, 9504]	10693	[10374, 1105]
2342	[3958, 3959]	5126	[7216, 7217]	7910	[9505, 8860]	10694	[108, 974]
2343	[3960, 1547]	5127	[3206, 7218]	7911	[9506, 5604]	10695	[7756, 6906]
2344	[3961, 3962]	5128	[7219, 7220]	7912	[5713, 5221]	10696	[10475, 10962]
2345	[3963, 3964]	5129	[7221, 3631]	7913	[9111, 2089]	10697	[10963, 6965]
2346	[3965, 3811]	5130	[1111, 7222]	7914	[137, 6017]	10698	[10964, 370]
2347	[3966, 1578]	5131	[4370, 1309]	7915	[9507, 9508]	10699	[10965, 1691]
2348	[3667, 3967]	5132	[7223, 4608]	7916	[9509, 9326]	10700	[10966, 3160]
2349	[3074, 3470]	5133	[7224, 7225]	7917	[9510, 522]	10701	[5, 4585]

2350	[3968, 1568]	5134	[3730, 7226]	7918	[9001, 6409]	10702	[10501, 8262]
2351	[3969, 3970]	5135	[7227, 988]	7919	[2553, 8895]	10703	[10967, 1618]
2352	[3971, 3972]	5136	[7228, 7229]	7920	[9511, 6430]	10704	[1075, 10018]
2353	[3973, 1303]	5137	[4349, 7230]	7921	[710, 9512]	10705	[10968, 7892]
2354	[3689, 3286]	5138	[7231, 7232]	7922	[9315, 9513]	10706	[4424, 4597]
2355	[3974, 3391]	5139	[7233, 7234]	7923	[9514, 9515]	10707	[3030, 10318]
2356	[3975, 3976]	5140	[7235, 1485]	7924	[6669, 9223]	10708	[3090, 10025]
2357	[3977, 3856]	5141	[7236, 7237]	7925	[9516, 6757]	10709	[7719, 4068]
2358	[479, 3977]	5142	[7238, 7036]	7926	[9163, 2805]	10710	[8385, 3167]
2359	[3978, 3979]	5143	[7239, 7221]	7927	[9517, 2867]	10711	[8511, 3069]
2360	[3980, 3981]	5144	[7240, 7241]	7928	[9518, 8829]	10712	[7604, 7540]
2361	[3982, 3084]	5145	[7242, 7243]	7929	[5071, 2058]	10713	[437, 10969]
2362	[3983, 3984]	5146	[4238, 7244]	7930	[5175, 9519]	10714	[10970, 3138]
2363	[3985, 3986]	5147	[7245, 3846]	7931	[5252, 5626]	10715	[10971, 1092]
2364	[3987, 3988]	5148	[7246, 7247]	7932	[6779, 9129]	10716	[10972, 7894]
2365	[3418, 3989]	5149	[7248, 4422]	7933	[9520, 5510]	10717	[480, 3079]
2366	[3420, 3990]	5150	[7249, 4266]	7934	[5413, 9521]	10718	[4326, 10570]
2367	[3991, 3992]	5151	[7250, 7251]	7935	[9522, 9311]	10719	[10973, 1350]
2368	[3993, 3067]	5152	[3081, 3085]	7936	[9064, 6335]	10720	[2999, 4585]
2369	[1016, 3994]	5153	[7252, 3840]	7937	[6087, 5156]	10721	[10974, 10975]
2370	[3995, 3996]	5154	[1375, 7253]	7938	[5013, 9523]	10722	[10976, 4522]
2371	[3997, 3998]	5155	[7254, 117]	7939	[2135, 9092]	10723	[1667, 1195]
2372	[3999, 1036]	5156	[7255, 3389]	7940	[38, 6601]	10724	[10486, 263]
2373	[4000, 3915]	5157	[7256, 7257]	7941	[9524, 2371]	10725	[4125, 7120]
2374	[4001, 4002]	5158	[7258, 1340]	7942	[9525, 9526]	10726	[10977, 3307]
2375	[4003, 4004]	5159	[7259, 3153]	7943	[1979, 5201]	10727	[1138, 4114]
2376	[4005, 4006]	5160	[7260, 274]	7944	[9527, 2256]	10728	[10978, 418]
2377	[4007, 4008]	5161	[7261, 7262]	7945	[9528, 572]	10729	[347, 10231]
2378	[4009, 4010]	5162	[7263, 7264]	7946	[6245, 9529]	10730	[3043, 1536]
2379	[4011, 4012]	5163	[4262, 7265]	7947	[5844, 6338]	10731	[8166, 10406]
2380	[4013, 4014]	5164	[7266, 4260]	7948	[5607, 9530]	10732	[10979, 7011]
2381	[4015, 3054]	5165	[1543, 3090]	7949	[9531, 680]	10733	[10980, 6918]
2382	[4016, 4017]	5166	[7267, 3247]	7950	[9394, 9532]	10734	[21, 7829]
2383	[4018, 1648]	5167	[7268, 4620]	7951	[9533, 5469]	10735	[10981, 3600]
2384	[4019, 4020]	5168	[7269, 401]	7952	[2981, 5772]	10736	[6865, 10953]
2385	[3302, 3451]	5169	[7270, 7129]	7953	[2982, 8897]	10737	[3487, 1032]
2386	[1525, 4021]	5170	[4562, 7271]	7954	[2607, 9534]	10738	[10982, 1536]
2387	[4022, 4023]	5171	[7272, 7257]	7955	[6791, 9535]	10739	[278, 3371]
2388	[4024, 4025]	5172	[7273, 7274]	7956	[9536, 1744]	10740	[10983, 4149]
2389	[4026, 1524]	5173	[3373, 4126]	7957	[5835, 2110]	10741	[10984, 7008]
2390	[4027, 4028]	5174	[1110, 7275]	7958	[6794, 6783]	10742	[3333, 3680]
2391	[4029, 4030]	5175	[7276, 1461]	7959	[5071, 1865]	10743	[10985, 9984]
2392	[4031, 1316]	5176	[1305, 1593]	7960	[9537, 4809]	10744	[4567, 7847]
2393	[4032, 4033]	5177	[7277, 3603]	7961	[859, 2594]	10745	[10023, 3314]

2394	[4034, 4035]	5178	[1519, 4452]	7962	[5330, 9538]	10746	[10986, 4458]
2395	[3634, 4036]	5179	[7278, 1147]	7963	[9539, 6506]	10747	[6993, 7500]
2396	[4037, 4038]	5180	[120, 3093]	7964	[831, 899]	10748	[1525, 10987]
2397	[4039, 1707]	5181	[7279, 414]	7965	[9540, 6626]	10749	[10988, 7621]
2398	[4040, 4041]	5182	[7280, 3655]	7966	[9541, 6692]	10750	[10989, 7740]
2399	[4036, 4042]	5183	[121, 3094]	7967	[9542, 9543]	10751	[10990, 3695]
2400	[4043, 4044]	5184	[7281, 1325]	7968	[9544, 9384]	10752	[10991, 3172]
2401	[4045, 3771]	5185	[7282, 7233]	7969	[9545, 2150]	10753	[10992, 10993]
2402	[4046, 4047]	5186	[3268, 3873]	7970	[9546, 2368]	10754	[4682, 9965]
2403	[3883, 1038]	5187	[7283, 1689]	7971	[847, 9374]	10755	[8149, 1080]
2404	[4048, 4049]	5188	[7284, 7285]	7972	[6617, 5268]	10756	[10994, 3798]
2405	[107, 4050]	5189	[7286, 7287]	7973	[9547, 2178]	10757	[10995, 4380]
2406	[4051, 3800]	5190	[7288, 4166]	7974	[9338, 5531]	10758	[4662, 7503]
2407	[4052, 4053]	5191	[7289, 7290]	7975	[8990, 6217]	10759	[10996, 7439]
2408	[4054, 1164]	5192	[7291, 933]	7976	[1809, 767]	10760	[10997, 4612]
2409	[1047, 3529]	5193	[7042, 7292]	7977	[9548, 4991]	10761	[10061, 10998]
2410	[4055, 4056]	5194	[7293, 26]	7978	[9549, 1908]	10762	[1473, 935]
2411	[123, 4057]	5195	[7294, 1027]	7979	[6791, 9096]	10763	[10649, 10541]
2412	[4058, 3982]	5196	[7051, 7295]	7980	[5806, 1860]	10764	[3458, 10999]
2413	[4059, 4060]	5197	[7296, 7146]	7981	[6730, 6834]	10765	[8546, 3912]
2414	[4061, 3717]	5198	[7297, 7298]	7982	[9550, 5374]	10766	[10277, 10993]
2415	[4062, 4019]	5199	[4780, 4636]	7983	[8964, 2625]	10767	[11000, 7747]
2416	[4063, 3601]	5200	[1576, 7299]	7984	[9551, 4866]	10768	[10264, 8592]
2417	[4064, 4065]	5201	[7300, 4161]	7985	[5287, 6097]	10769	[1183, 461]
2418	[4066, 4067]	5202	[1441, 3362]	7986	[6247, 5651]	10770	[3975, 11001]
2419	[3, 4068]	5203	[7301, 6907]	7987	[9552, 9553]	10771	[11002, 286]
2420	[70, 287]	5204	[7302, 7303]	7988	[6750, 5637]	10772	[4282, 7682]
2421	[4069, 369]	5205	[7304, 7305]	7989	[2407, 5046]	10773	[11003, 11004]
2422	[3548, 371]	5206	[7306, 3105]	7990	[2611, 9554]	10774	[11005, 10320]
2423	[4070, 3990]	5207	[7307, 4296]	7991	[9555, 9556]	10775	[4769, 10596]
2424	[4071, 4072]	5208	[7308, 7309]	7992	[2502, 1915]	10776	[3564, 4360]
2425	[3285, 2990]	5209	[7310, 4576]	7993	[2799, 2927]	10777	[8447, 281]
2426	[4073, 3910]	5210	[7311, 7312]	7994	[9557, 1864]	10778	[3623, 4551]
2427	[4074, 4075]	5211	[1536, 7313]	7995	[9558, 8921]	10779	[1139, 4115]
2428	[4076, 4077]	5212	[1194, 4516]	7996	[9559, 2570]	10780	[4346, 1178]
2429	[4078, 4079]	5213	[7314, 7315]	7997	[9560, 5128]	10781	[10588, 10105]
2430	[1420, 4080]	5214	[7316, 7317]	7998	[5740, 6178]	10782	[7172, 7795]
2431	[4081, 1435]	5215	[3256, 7318]	7999	[2233, 2684]	10783	[11006, 284]
2432	[4082, 4083]	5216	[7319, 3445]	8000	[1863, 610]	10784	[10405, 108]
2433	[4084, 3769]	5217	[7320, 7321]	8001	[9561, 6775]	10785	[4024, 7075]
2434	[4085, 4086]	5218	[7322, 3491]	8002	[5055, 6317]	10786	[11007, 4305]
2435	[4087, 4019]	5219	[7323, 3563]	8003	[2628, 9421]	10787	[10490, 4047]
2436	[4088, 4089]	5220	[7324, 7325]	8004	[9562, 5142]	10788	[1060, 4549]
2437	[4090, 3276]	5221	[964, 7326]	8005	[9563, 2126]	10789	[10427, 8386]

2438	[4091, 483]	5222	[7327, 4272]	8006	[5846, 2770]	10790	[8437, 3372]
2439	[4092, 4093]	5223	[7328, 4658]	8007	[2265, 5076]	10791	[3270, 1668]
2440	[248, 4094]	5224	[7329, 4298]	8008	[4951, 5570]	10792	[8172, 7877]
2441	[4095, 4096]	5225	[7330, 4222]	8009	[9564, 1874]	10793	[3684, 4089]
2442	[4097, 4098]	5226	[7331, 7332]	8010	[9565, 2837]	10794	[7228, 11008]
2443	[4099, 4100]	5227	[7333, 4588]	8011	[9566, 5580]	10795	[1133, 10640]
2444	[4101, 973]	5228	[7334, 3455]	8012	[6266, 2700]	10796	[10949, 11009]
2445	[3372, 4102]	5229	[7335, 3764]	8013	[9567, 9568]	10797	[11010, 4329]
2446	[3123, 4103]	5230	[7336, 7291]	8014	[9569, 4883]	10798	[11011, 10143]
2447	[4104, 1326]	5231	[7337, 1535]	8015	[9277, 8923]	10799	[11012, 7251]
2448	[4105, 4084]	5232	[7338, 7044]	8016	[9570, 5893]	10800	[11013, 1640]
2449	[4106, 4004]	5233	[7339, 4431]	8017	[9571, 6181]	10801	[11014, 7765]
2450	[1637, 4107]	5234	[7340, 7042]	8018	[9572, 6259]	10802	[7377, 11015]
2451	[4108, 4109]	5235	[283, 1717]	8019	[6434, 6686]	10803	[3085, 3239]
2452	[4110, 4111]	5236	[7341, 1167]	8020	[5705, 8919]	10804	[11016, 3116]
2453	[1156, 3809]	5237	[3647, 7342]	8021	[8985, 2361]	10805	[3600, 3385]
2454	[4112, 4113]	5238	[7343, 7344]	8022	[6423, 6540]	10806	[3272, 4795]
2455	[4114, 4115]	5239	[1371, 3775]	8023	[9573, 2211]	10807	[11017, 7984]
2456	[4017, 4116]	5240	[1384, 467]	8024	[5726, 8814]	10808	[3653, 4447]
2457	[4117, 3311]	5241	[4104, 3016]	8025	[9574, 9575]	10809	[1440, 7019]
2458	[4118, 4119]	5242	[4519, 4287]	8026	[5471, 6164]	10810	[7694, 1428]
2459	[3846, 4120]	5243	[7345, 4703]	8027	[4920, 576]	10811	[7722, 7718]
2460	[4121, 4122]	5244	[7346, 3466]	8028	[4989, 1913]	10812	[6858, 10216]
2461	[4123, 4124]	5245	[7347, 3040]	8029	[9576, 6705]	10813	[10984, 10345]
2462	[4125, 4126]	5246	[464, 7348]	8030	[9577, 802]	10814	[10101, 3793]
2463	[4127, 1605]	5247	[7349, 4779]	8031	[9578, 9579]	10815	[10573, 1169]
2464	[4128, 3152]	5248	[4687, 7350]	8032	[2806, 9580]	10816	[10366, 10180]
2465	[4129, 4130]	5249	[7351, 3548]	8033	[6015, 2592]	10817	[1384, 7894]
2466	[4131, 4132]	5250	[69, 7352]	8034	[6712, 9581]	10818	[9967, 1618]
2467	[4133, 4134]	5251	[1499, 7353]	8035	[5397, 6689]	10819	[10194, 11018]
2468	[4135, 4136]	5252	[7354, 978]	8036	[9375, 9582]	10820	[294, 1539]
2469	[4137, 1192]	5253	[3884, 7355]	8037	[9424, 9583]	10821	[4599, 4761]
2470	[4138, 258]	5254	[7222, 6910]	8038	[2718, 9478]	10822	[7570, 10969]
2471	[4139, 3629]	5255	[7356, 1051]	8039	[9125, 5613]	10823	[7013, 3844]
2472	[4140, 3683]	5256	[280, 7136]	8040	[9584, 5332]	10824	[10563, 10517]
2473	[4141, 4142]	5257	[1299, 7357]	8041	[6588, 5735]	10825	[11019, 1389]
2474	[4143, 3502]	5258	[7358, 7359]	8042	[9585, 8968]	10826	[10207, 7106]
2475	[3510, 4144]	5259	[7360, 7361]	8043	[9199, 9586]	10827	[3435, 10058]
2476	[3907, 4145]	5260	[4042, 1293]	8044	[6313, 9587]	10828	[10313, 7779]
2477	[4146, 1671]	5261	[4694, 358]	8045	[9588, 6468]	10829	[3744, 7013]
2478	[4095, 4147]	5262	[7362, 1550]	8046	[9589, 2582]	10830	[7202, 8383]
2479	[4148, 3519]	5263	[7363, 7364]	8047	[660, 8868]	10831	[10218, 3213]
2480	[4149, 4150]	5264	[4089, 3705]	8048	[9590, 9240]	10832	[10258, 11020]
2481	[4151, 1613]	5265	[7365, 3230]	8049	[6524, 6510]	10833	[11021, 3056]

2482	[4152, 3752]	5266	[7366, 3232]	8050	[9493, 6133]	10834	[6997, 4212]
2483	[1618, 3556]	5267	[1231, 6925]	8051	[9591, 9592]	10835	[4793, 4187]
2484	[4153, 1296]	5268	[1150, 7040]	8052	[754, 9593]	10836	[4795, 10499]
2485	[4154, 4155]	5269	[7367, 4080]	8053	[2365, 6508]	10837	[8336, 10518]
2486	[4156, 1588]	5270	[3500, 7368]	8054	[9452, 1845]	10838	[8132, 7737]
2487	[4157, 3370]	5271	[7369, 1017]	8055	[1934, 6318]	10839	[10420, 295]
2488	[4158, 4159]	5272	[7370, 4354]	8056	[9594, 185]	10840	[8462, 11022]
2489	[4160, 4161]	5273	[7371, 7372]	8057	[5323, 5350]	10841	[6974, 10065]
2490	[4162, 116]	5274	[4591, 3338]	8058	[9595, 127]	10842	[1358, 4248]
2491	[4163, 4164]	5275	[7373, 7374]	8059	[9596, 7]	10843	[1419, 7367]
2492	[4165, 4166]	5276	[7375, 4333]	8060	[9597, 9598]	10844	[4, 432]
2493	[4167, 4168]	5277	[7376, 1125]	8061	[6765, 6133]	10845	[3515, 11023]
2494	[4169, 3995]	5278	[7377, 312]	8062	[9599, 697]	10846	[335, 4144]
2495	[4170, 1445]	5279	[7371, 3410]	8063	[6039, 6589]	10847	[7677, 10097]
2496	[4171, 971]	5280	[7378, 1319]	8064	[9600, 9601]	10848	[11024, 11025]
2497	[4172, 327]	5281	[28, 3914]	8065	[9602, 9603]	10849	[10648, 7245]
2498	[4173, 3390]	5282	[3899, 7379]	8066	[9604, 5634]	10850	[1089, 1645]
2499	[4174, 4175]	5283	[7380, 4659]	8067	[1849, 9605]	10851	[10324, 6929]
2500	[4176, 4177]	5284	[7323, 3917]	8068	[9606, 2035]	10852	[7387, 430]
2501	[4178, 1109]	5285	[7190, 6983]	8069	[9607, 2887]	10853	[10417, 6924]
2502	[4179, 4180]	5286	[7381, 7382]	8070	[9608, 2106]	10854	[11026, 1411]
2503	[3433, 3273]	5287	[7383, 460]	8071	[5929, 4996]	10855	[1441, 8335]
2504	[4181, 4182]	5288	[7294, 7384]	8072	[9609, 8801]	10856	[11027, 3179]
2505	[4183, 3815]	5289	[463, 3380]	8073	[9610, 9611]	10857	[7629, 7281]
2506	[4184, 4185]	5290	[7385, 3336]	8074	[9612, 883]	10858	[9957, 11028]
2507	[4186, 4187]	5291	[7386, 7135]	8075	[9613, 6308]	10859	[3353, 1110]
2508	[4188, 3770]	5292	[3895, 4799]	8076	[230, 9614]	10860	[3674, 10426]
2509	[4189, 4190]	5293	[1703, 7387]	8077	[9615, 2431]	10861	[11029, 1719]
2510	[1537, 4191]	5294	[7388, 1502]	8078	[9616, 9617]	10862	[11030, 1614]
2511	[1051, 4192]	5295	[7389, 3667]	8079	[9030, 9618]	10863	[11031, 3288]
2512	[4193, 4194]	5296	[1167, 7390]	8080	[9619, 6158]	10864	[11032, 11033]
2513	[4195, 4196]	5297	[7391, 3715]	8081	[9620, 9568]	10865	[11034, 8457]
2514	[3046, 4197]	5298	[7392, 3076]	8082	[9621, 5558]	10866	[11035, 7029]
2515	[4198, 4199]	5299	[373, 7393]	8083	[9622, 5758]	10867	[11036, 7512]
2516	[1567, 4200]	5300	[7394, 1360]	8084	[2644, 9623]	10868	[8583, 472]
2517	[3667, 4201]	5301	[4361, 7395]	8085	[9624, 2110]	10869	[11017, 8635]
2518	[4202, 4203]	5302	[3821, 4466]	8086	[9625, 9626]	10870	[483, 11037]
2519	[4204, 4205]	5303	[7396, 4805]	8087	[6340, 9510]	10871	[8631, 7525]
2520	[3926, 4206]	5304	[7397, 1193]	8088	[9627, 2628]	10872	[8714, 10074]
2521	[4207, 3487]	5305	[7398, 1392]	8089	[9628, 9629]	10873	[10453, 1304]
2522	[4208, 4209]	5306	[7399, 4439]	8090	[9483, 6260]	10874	[1704, 430]
2523	[4210, 4211]	5307	[4688, 1247]	8091	[5260, 6095]	10875	[1202, 1719]
2524	[4212, 4213]	5308	[3786, 1633]	8092	[9092, 9630]	10876	[4068, 432]
2525	[3187, 1258]	5309	[7400, 7401]	8093	[9631, 2264]	10877	[8026, 10643]

2526	[4214, 1260]	5310	[7402, 7403]	8094	[4867, 2700]	10878	[10235, 7293]
2527	[3915, 310]	5311	[7404, 7405]	8095	[9270, 228]	10879	[3225, 8179]
2528	[4215, 4216]	5312	[302, 4347]	8096	[8872, 2912]	10880	[3243, 10633]
2529	[4217, 3862]	5313	[7406, 7407]	8097	[6356, 2186]	10881	[7296, 7966]
2530	[4218, 1145]	5314	[7408, 7409]	8098	[674, 5401]	10882	[10332, 11038]
2531	[4219, 3378]	5315	[7410, 7411]	8099	[1735, 9497]	10883	[3139, 10267]
2532	[1678, 4220]	5316	[7412, 7413]	8100	[9009, 9632]	10884	[10502, 10538]
2533	[4221, 3323]	5317	[7414, 1493]	8101	[652, 5290]	10885	[4360, 4074]
2534	[4222, 4223]	5318	[7415, 4032]	8102	[5583, 2749]	10886	[8080, 4212]
2535	[4224, 4225]	5319	[7416, 4014]	8103	[9633, 1818]	10887	[8364, 1612]
2536	[4226, 3592]	5320	[7417, 3171]	8104	[5428, 4885]	10888	[3010, 982]
2537	[4227, 4228]	5321	[7418, 3327]	8105	[2953, 2223]	10889	[11039, 7724]
2538	[4229, 4230]	5322	[7419, 1487]	8106	[2139, 9634]	10890	[3496, 10629]
2539	[4231, 3441]	5323	[7420, 7421]	8107	[9635, 6798]	10891	[11040, 4350]
2540	[4232, 4233]	5324	[7422, 1173]	8108	[5012, 6168]	10892	[11041, 10435]
2541	[4234, 3277]	5325	[1624, 3]	8109	[5563, 2151]	10893	[11042, 1469]
2542	[4235, 4236]	5326	[7423, 4712]	8110	[9636, 8929]	10894	[10468, 10622]
2543	[3126, 1210]	5327	[965, 7424]	8111	[1790, 6745]	10895	[6985, 10975]
2544	[4237, 1217]	5328	[4620, 6919]	8112	[2973, 2123]	10896	[4431, 7735]
2545	[4238, 4239]	5329	[4542, 7425]	8113	[9637, 9638]	10897	[8528, 11043]
2546	[4240, 4241]	5330	[7426, 4128]	8114	[8913, 9321]	10898	[9962, 1027]
2547	[4242, 1515]	5331	[7427, 7036]	8115	[9639, 6306]	10899	[7037, 8572]
2548	[4243, 3341]	5332	[7428, 6954]	8116	[2699, 1888]	10900	[10950, 10496]
2549	[4244, 4245]	5333	[7429, 7430]	8117	[5010, 9451]	10901	[3152, 7751]
2550	[4246, 4247]	5334	[3439, 7431]	8118	[9640, 2025]	10902	[7353, 3534]
2551	[3727, 448]	5335	[7432, 7433]	8119	[6083, 5705]	10903	[10109, 3261]
2552	[4248, 1037]	5336	[7434, 7414]	8120	[6473, 2186]	10904	[7578, 3700]
2553	[4249, 4250]	5337	[7435, 7436]	8121	[1741, 2929]	10905	[10995, 7866]
2554	[4251, 4252]	5338	[3952, 3532]	8122	[2015, 1878]	10906	[11044, 6943]
2555	[3732, 4253]	5339	[7437, 6926]	8123	[9641, 4921]	10907	[7452, 1600]
2556	[4254, 4255]	5340	[7438, 7439]	8124	[5912, 9642]	10908	[8411, 4050]
2557	[4256, 1087]	5341	[1176, 6898]	8125	[688, 9643]	10909	[10477, 3604]
2558	[4257, 4258]	5342	[7440, 3269]	8126	[9644, 9000]	10910	[7676, 10987]
2559	[4259, 3424]	5343	[7441, 3526]	8127	[641, 242]	10911	[8679, 10158]
2560	[3566, 4260]	5344	[7442, 3730]	8128	[9645, 9266]	10912	[11045, 11046]
2561	[4261, 307]	5345	[3920, 7443]	8129	[1872, 2739]	10913	[7504, 10565]
2562	[4262, 4263]	5346	[7444, 7445]	8130	[2165, 5232]	10914	[11047, 7281]
2563	[4264, 4265]	5347	[6864, 7381]	8131	[9646, 9647]	10915	[8670, 10125]
2564	[4266, 3607]	5348	[7446, 7447]	8132	[5356, 2013]	10916	[4080, 7474]
2565	[4267, 4268]	5349	[7448, 3170]	8133	[9648, 2442]	10917	[8141, 10651]
2566	[4269, 4270]	5350	[7449, 3925]	8134	[9649, 2637]	10918	[10547, 3183]
2567	[4271, 3222]	5351	[7421, 7197]	8135	[2931, 6335]	10919	[438, 10151]
2568	[4272, 4273]	5352	[255, 7450]	8136	[9650, 9651]	10920	[1252, 7866]
2569	[4250, 4274]	5353	[3624, 1007]	8137	[9652, 6473]	10921	[311, 11015]

2570	[4275, 4276]	5354	[7451, 7452]	8138	[2204, 9653]	10922	[7874, 10531]
2571	[4277, 3678]	5355	[7453, 7454]	8139	[5995, 8850]	10923	[4299, 4198]
2572	[3503, 4278]	5356	[1619, 3849]	8140	[5309, 5080]	10924	[8704, 7637]
2573	[4279, 252]	5357	[7455, 1267]	8141	[9654, 5272]	10925	[7306, 1640]
2574	[4280, 4281]	5358	[3978, 4252]	8142	[9655, 9186]	10926	[7330, 7633]
2575	[1549, 4282]	5359	[7456, 3927]	8143	[9656, 4811]	10927	[11048, 9993]
2576	[4283, 4284]	5360	[7264, 4335]	8144	[9657, 9519]	10928	[11049, 4248]
2577	[4260, 4285]	5361	[3868, 7457]	8145	[9658, 5315]	10929	[4133, 10998]
2578	[4286, 4287]	5362	[3422, 3660]	8146	[9659, 5467]	10930	[10567, 8087]
2579	[1190, 3164]	5363	[7458, 7459]	8147	[9660, 9661]	10931	[11050, 10387]
2580	[4288, 1096]	5364	[7460, 7461]	8148	[8992, 9153]	10932	[11051, 11052]
2581	[1658, 4289]	5365	[3971, 7462]	8149	[6318, 5386]	10933	[4539, 11004]
2582	[4290, 4291]	5366	[4399, 7298]	8150	[2358, 6099]	10934	[8656, 1044]
2583	[1704, 4292]	5367	[7463, 1656]	8151	[2285, 6101]	10935	[11053, 7174]
2584	[4293, 4294]	5368	[997, 7464]	8152	[9662, 2617]	10936	[7876, 8173]
2585	[4295, 4296]	5369	[7465, 4559]	8153	[5261, 2394]	10937	[7813, 7475]
2586	[4297, 4298]	5370	[4028, 7466]	8154	[6753, 6037]	10938	[11054, 8145]
2587	[378, 4117]	5371	[7467, 4494]	8155	[6816, 6344]	10939	[7831, 11052]
2588	[4299, 4300]	5372	[999, 7468]	8156	[2617, 6099]	10940	[10980, 4620]
2589	[4301, 4302]	5373	[7469, 403]	8157	[2947, 776]	10941	[941, 7261]
2590	[4303, 4304]	5374	[7470, 4227]	8158	[886, 6104]	10942	[3258, 3801]
2591	[4305, 4306]	5375	[3925, 1336]	8159	[2395, 2398]	10943	[8103, 10430]
2592	[4307, 4308]	5376	[1314, 418]	8160	[5325, 9663]	10944	[10227, 7440]
2593	[4309, 4310]	5377	[7471, 3902]	8161	[9664, 6243]	10945	[10002, 7081]
2594	[1599, 3043]	5378	[7472, 3628]	8162	[2680, 9665]	10946	[11055, 10628]
2595	[4311, 4312]	5379	[7473, 3271]	8163	[9666, 5719]	10947	[11056, 3615]
2596	[4313, 952]	5380	[7474, 4405]	8164	[850, 8791]	10948	[11057, 2034]
2597	[4314, 1107]	5381	[7475, 3445]	8165	[1739, 807]	10949	[11058, 2378]
2598	[4315, 3159]	5382	[7476, 7477]	8166	[9667, 5456]	10950	[11059, 10777]
2599	[4316, 4317]	5383	[7478, 7205]	8167	[2546, 763]	10951	[5333, 5961]
2600	[3923, 4318]	5384	[7479, 4269]	8168	[9668, 9457]	10952	[6603, 5052]
2601	[4319, 4320]	5385	[7480, 475]	8169	[6162, 5337]	10953	[4878, 158]
2602	[4321, 4322]	5386	[1639, 7481]	8170	[6146, 2431]	10954	[11060, 9919]
2603	[4323, 1180]	5387	[1189, 3163]	8171	[9669, 5507]	10955	[6743, 1914]
2604	[4324, 4325]	5388	[7482, 3784]	8172	[9505, 9283]	10956	[5634, 6030]
2605	[318, 1399]	5389	[7483, 7484]	8173	[9670, 6668]	10957	[792, 6569]
2606	[4326, 4327]	5390	[7485, 4431]	8174	[750, 6220]	10958	[11061, 5109]
2607	[4328, 4329]	5391	[3829, 7486]	8175	[8821, 134]	10959	[9181, 10923]
2608	[4330, 4331]	5392	[310, 3359]	8176	[9671, 8844]	10960	[11062, 237]
2609	[4332, 4333]	5393	[7487, 7488]	8177	[8964, 6719]	10961	[2727, 5594]
2610	[4334, 4335]	5394	[981, 3187]	8178	[710, 9173]	10962	[2407, 2115]
2611	[1639, 4336]	5395	[7489, 4629]	8179	[8745, 5679]	10963	[9185, 6695]
2612	[4337, 4338]	5396	[7490, 7491]	8180	[686, 6106]	10964	[11063, 9315]
2613	[4339, 28]	5397	[7492, 1528]	8181	[2102, 9036]	10965	[11064, 5175]

2614	[4340, 3663]	5398	[447, 77]	8182	[1818, 9672]	10966	[8820, 5052]
2615	[87, 1505]	5399	[7493, 7466]	8183	[9673, 5943]	10967	[780, 2849]
2616	[89, 4341]	5400	[7494, 7024]	8184	[8922, 9278]	10968	[11065, 9134]
2617	[4342, 1696]	5401	[1053, 7495]	8185	[8876, 2572]	10969	[5584, 2489]
2618	[4343, 3910]	5402	[7496, 7303]	8186	[5726, 1983]	10970	[4821, 5553]
2619	[123, 4344]	5403	[3411, 7361]	8187	[9674, 6361]	10971	[11066, 5179]
2620	[4345, 4346]	5404	[4136, 7495]	8188	[9622, 5322]	10972	[11067, 900]
2621	[3141, 4347]	5405	[7497, 7013]	8189	[9357, 4930]	10973	[11068, 2448]
2622	[4348, 3692]	5406	[7498, 7324]	8190	[6367, 1738]	10974	[9119, 6448]
2623	[4349, 4350]	5407	[7499, 3946]	8191	[9240, 5403]	10975	[9908, 8812]
2624	[4351, 3157]	5408	[4648, 3999]	8192	[9675, 2145]	10976	[11069, 5038]
2625	[4352, 4353]	5409	[7500, 374]	8193	[9676, 2437]	10977	[9809, 9755]
2626	[4354, 4355]	5410	[7501, 7400]	8194	[9677, 2595]	10978	[9146, 9824]
2627	[4356, 4357]	5411	[7502, 7503]	8195	[9678, 8834]	10979	[11070, 6261]
2628	[4358, 4359]	5412	[7504, 7505]	8196	[6274, 4902]	10980	[9551, 1880]
2629	[4360, 4361]	5413	[7506, 103]	8197	[2296, 830]	10981	[10839, 5599]
2630	[4362, 4363]	5414	[6869, 1058]	8198	[2046, 5983]	10982	[11071, 10878]
2631	[1684, 4364]	5415	[7507, 4208]	8199	[9679, 2603]	10983	[11072, 6211]
2632	[4365, 1549]	5416	[7508, 7509]	8200	[242, 5590]	10984	[11073, 5190]
2633	[4366, 400]	5417	[7510, 4284]	8201	[1801, 9680]	10985	[11074, 5064]
2634	[4367, 4368]	5418	[7511, 4513]	8202	[8832, 9681]	10986	[5612, 6050]
2635	[4369, 4370]	5419	[7512, 7513]	8203	[9682, 5465]	10987	[6277, 11075]
2636	[4371, 4372]	5420	[7514, 3585]	8204	[9683, 9200]	10988	[6127, 10709]
2637	[4373, 4374]	5421	[7515, 1559]	8205	[9684, 6287]	10989	[9657, 10882]
2638	[4375, 3821]	5422	[7516, 7325]	8206	[9685, 642]	10990	[9197, 9888]
2639	[4376, 4377]	5423	[3444, 7517]	8207	[2551, 834]	10991	[11076, 2376]
2640	[3902, 445]	5424	[3379, 3489]	8208	[9686, 6435]	10992	[9412, 10943]
2641	[4304, 3991]	5425	[4351, 367]	8209	[9687, 6619]	10993	[10754, 4897]
2642	[4378, 4379]	5426	[7518, 7519]	8210	[9688, 6062]	10994	[9327, 10908]
2643	[4380, 4381]	5427	[1590, 6943]	8211	[9066, 6804]	10995	[11077, 6462]
2644	[4382, 1306]	5428	[7520, 4052]	8212	[188, 9689]	10996	[6068, 5594]
2645	[4383, 990]	5429	[7521, 4670]	8213	[9690, 6304]	10997	[526, 510]
2646	[4384, 1503]	5430	[6883, 4391]	8214	[9159, 2964]	10998	[8835, 9618]
2647	[4385, 4386]	5431	[7522, 2992]	8215	[9691, 2924]	10999	[2366, 6457]
2648	[4222, 1355]	5432	[7523, 3290]	8216	[9692, 923]	11000	[11078, 8918]
2649	[4387, 4388]	5433	[7524, 4565]	8217	[9585, 9410]	11001	[9590, 5402]
2650	[4389, 3808]	5434	[7525, 7526]	8218	[9693, 548]	11002	[10755, 9647]
2651	[4390, 4352]	5435	[7527, 4102]	8219	[2622, 6628]	11003	[9544, 9231]
2652	[4391, 4354]	5436	[3303, 7353]	8220	[5485, 6174]	11004	[6527, 9938]
2653	[4392, 4393]	5437	[4426, 7528]	8221	[9694, 5908]	11005	[11079, 9246]
2654	[1167, 4394]	5438	[7529, 7530]	8222	[9516, 6738]	11006	[9949, 10831]
2655	[4395, 4396]	5439	[7531, 1040]	8223	[6627, 2046]	11007	[9258, 6392]
2656	[4397, 3281]	5440	[6851, 3410]	8224	[9695, 2780]	11008	[8749, 5609]
2657	[4398, 4399]	5441	[1220, 7532]	8225	[728, 6838]	11009	[9641, 832]

2658	[4400, 4401]	5442	[7533, 4560]	8226	[6297, 9207]	11010	[2645, 2679]
2659	[4402, 4403]	5443	[7534, 7535]	8227	[5902, 6438]	11011	[2147, 6465]
2660	[4404, 4405]	5444	[3079, 7536]	8228	[2704, 5894]	11012	[2213, 6712]
2661	[4406, 4407]	5445	[7537, 7538]	8229	[9696, 5880]	11013	[240, 10847]
2662	[3580, 4408]	5446	[7539, 1218]	8230	[9697, 5283]	11014	[11080, 6035]
2663	[950, 1393]	5447	[4269, 7540]	8231	[2893, 9698]	11015	[9628, 10899]
2664	[4409, 3919]	5448	[7541, 7542]	8232	[9699, 6581]	11016	[6083, 1846]
2665	[3665, 4410]	5449	[7543, 3078]	8233	[2547, 6544]	11017	[11081, 6516]
2666	[4411, 4412]	5450	[7544, 7545]	8234	[9700, 5098]	11018	[6689, 5309]
2667	[4413, 3022]	5451	[3404, 7546]	8235	[9701, 9702]	11019	[10942, 1936]
2668	[4414, 4415]	5452	[7547, 7128]	8236	[9703, 5252]	11020	[5378, 5278]
2669	[4416, 4417]	5453	[326, 954]	8237	[9704, 5900]	11021	[11082, 9502]
2670	[4418, 4419]	5454	[4757, 7505]	8238	[9705, 4845]	11022	[5702, 10936]
2671	[4420, 4225]	5455	[3396, 4011]	8239	[6227, 8957]	11023	[9907, 9424]
2672	[4421, 4422]	5456	[7548, 7549]	8240	[9706, 6481]	11024	[5955, 10944]
2673	[4423, 25]	5457	[7550, 3561]	8241	[9707, 9708]	11025	[10901, 9592]
2674	[4424, 4425]	5458	[935, 7551]	8242	[9709, 5224]	11026	[5482, 567]
2675	[3914, 1683]	5459	[7001, 1346]	8243	[9710, 2821]	11027	[10805, 10924]
2676	[3446, 3418]	5460	[303, 4261]	8244	[2277, 707]	11028	[9765, 9512]
2677	[1059, 4426]	5461	[7552, 3794]	8245	[2931, 9065]	11029	[2379, 6412]
2678	[4427, 1082]	5462	[7553, 7247]	8246	[9711, 6664]	11030	[11083, 9411]
2679	[4428, 3670]	5463	[7554, 120]	8247	[6363, 4862]	11031	[5915, 6767]
2680	[4429, 4430]	5464	[7555, 3375]	8248	[6541, 6617]	11032	[1797, 10838]
2681	[4431, 4432]	5465	[4576, 4535]	8249	[9712, 1952]	11033	[9323, 6428]
2682	[4433, 4434]	5466	[7556, 4084]	8250	[9713, 9070]	11034	[6294, 6842]
2683	[4435, 4436]	5467	[7557, 1206]	8251	[2850, 5806]	11035	[11084, 9601]
2684	[4437, 314]	5468	[7558, 7559]	8252	[6191, 804]	11036	[11085, 2262]
2685	[3723, 3147]	5469	[7560, 3577]	8253	[9714, 9715]	11037	[2642, 9643]
2686	[1345, 4438]	5470	[6, 7561]	8254	[228, 138]	11038	[9920, 2640]
2687	[342, 4439]	5471	[7562, 4736]	8255	[6168, 9523]	11039	[8852, 6465]
2688	[4440, 3045]	5472	[1036, 1661]	8256	[9716, 759]	11040	[11086, 2934]
2689	[4441, 3575]	5473	[3871, 7563]	8257	[9434, 4819]	11041	[11087, 6711]
2690	[4442, 4443]	5474	[7564, 6997]	8258	[9717, 4889]	11042	[11088, 8720]
2691	[4444, 1201]	5475	[3120, 7565]	8259	[9004, 2226]	11043	[2499, 2063]
2692	[4445, 3699]	5476	[7566, 1494]	8260	[5521, 656]	11044	[11089, 10796]
2693	[3400, 4446]	5477	[7567, 3127]	8261	[1, 604]	11045	[11090, 6072]
2694	[2993, 4447]	5478	[7061, 422]	8262	[5184, 14]	11046	[6786, 6371]
2695	[4448, 476]	5479	[7568, 4076]	8263	[9284, 2804]	11047	[10888, 10741]
2696	[3732, 4449]	5480	[7569, 7570]	8264	[9718, 6675]	11048	[11091, 6556]
2697	[3232, 3822]	5481	[7571, 4056]	8265	[9719, 5747]	11049	[11092, 1921]
2698	[4450, 317]	5482	[7384, 1028]	8266	[9666, 2950]	11050	[10726, 10845]
2699	[3289, 4418]	5483	[7572, 7401]	8267	[5771, 6267]	11051	[11093, 692]
2700	[4451, 4401]	5484	[7573, 1480]	8268	[9720, 4992]	11052	[2758, 11075]
2701	[4452, 4453]	5485	[7574, 4236]	8269	[9571, 5780]	11053	[11094, 2034]

2702	[4454, 4078]	5486	[7575, 3912]	8270	[9721, 9598]	11054	[193, 5757]
2703	[3144, 4387]	5487	[7576, 421]	8271	[5570, 1957]	11055	[11095, 5463]
2704	[4455, 4456]	5488	[3598, 4140]	8272	[2070, 5563]	11056	[11096, 2828]
2705	[4457, 4458]	5489	[7577, 3438]	8273	[9722, 2340]	11057	[11045, 8659]
2706	[4459, 941]	5490	[991, 3750]	8274	[9420, 2629]	11058	[11097, 10526]
2707	[943, 4460]	5491	[7578, 7579]	8275	[9723, 5131]	11059	[10113, 10585]
2708	[4461, 3998]	5492	[7580, 3558]	8276	[9724, 1973]	11060	[8052, 7525]
2709	[4462, 4463]	5493	[7581, 7582]	8277	[9725, 9395]	11061	[4438, 3473]
2710	[4464, 1059]	5494	[3707, 7583]	8278	[9675, 682]	11062	[11098, 469]
2711	[4465, 4466]	5495	[7584, 1328]	8279	[9726, 6591]	11063	[1611, 10220]
2712	[4467, 4468]	5496	[350, 1331]	8280	[9662, 2358]	11064	[4773, 10433]
2713	[4469, 300]	5497	[7585, 7586]	8281	[5647, 5785]	11065	[11099, 7404]
2714	[3343, 4470]	5498	[7587, 1255]	8282	[5795, 2952]	11066	[7655, 7856]
2715	[4471, 4472]	5499	[7588, 4675]	8283	[9727, 4889]	11067	[8509, 1675]
2716	[4473, 3559]	5500	[7589, 3876]	8284	[5400, 675]	11068	[11100, 4106]
2717	[4474, 4475]	5501	[3725, 7590]	8285	[5042, 6112]	11069	[8181, 4061]
2718	[1515, 4476]	5502	[7591, 7592]	8286	[9646, 9728]	11070	[8016, 10119]
2719	[4477, 4478]	5503	[7083, 3576]	8287	[6804, 1879]	11071	[7490, 3604]
2720	[4479, 4480]	5504	[3981, 4194]	8288	[4943, 6514]	11072	[4280, 8246]
2721	[4329, 4481]	5505	[3134, 7168]	8289	[9419, 9486]	11073	[3382, 10463]
2722	[4482, 1171]	5506	[7593, 4656]	8290	[4905, 48]	11074	[11101, 4686]
2723	[4483, 4484]	5507	[1230, 7594]	8291	[5604, 1988]	11075	[7420, 7196]
2724	[4485, 4486]	5508	[1197, 4265]	8292	[9729, 2134]	11076	[10991, 10619]
2725	[1018, 4487]	5509	[7595, 7596]	8293	[5365, 6656]	11077	[10968, 3992]
2726	[4488, 4181]	5510	[7597, 4028]	8294	[9286, 6183]	11078	[6955, 10376]
2727	[4489, 4440]	5511	[7598, 4389]	8295	[9730, 9731]	11079	[3299, 10630]
2728	[4490, 4491]	5512	[7599, 7600]	8296	[5957, 5967]	11080	[10086, 1492]
2729	[3273, 4492]	5513	[7601, 7602]	8297	[9710, 2363]	11081	[10554, 8079]
2730	[4493, 4033]	5514	[7603, 7604]	8298	[9732, 9733]	11082	[11102, 1479]
2731	[4494, 1046]	5515	[7605, 4680]	8299	[494, 5350]	11083	[10179, 7198]
2732	[4495, 3540]	5516	[7606, 6970]	8300	[9734, 5214]	11084	[3385, 10088]
2733	[4496, 4497]	5517	[7332, 1108]	8301	[5807, 8861]	11085	[3860, 6965]
2734	[4498, 4499]	5518	[7607, 7387]	8302	[9735, 6186]	11086	[7380, 8557]
2735	[4500, 3818]	5519	[1287, 7172]	8303	[6387, 763]	11087	[8033, 4096]
2736	[4501, 3822]	5520	[7608, 3261]	8304	[1766, 4861]	11088	[11103, 11001]
2737	[4502, 3863]	5521	[7609, 101]	8305	[610, 5912]	11089	[11104, 1016]
2738	[4452, 4503]	5522	[7610, 4384]	8306	[9736, 5120]	11090	[11105, 10026]
2739	[4504, 4505]	5523	[3364, 7512]	8307	[6835, 141]	11091	[8042, 3961]
2740	[3120, 4506]	5524	[7282, 7611]	8308	[676, 5664]	11092	[11106, 1683]
2741	[4507, 442]	5525	[1066, 7612]	8309	[9737, 8863]	11093	[11107, 10302]
2742	[4508, 4509]	5526	[7269, 7613]	8310	[4892, 8877]	11094	[11108, 3488]
2743	[4510, 4511]	5527	[4500, 1026]	8311	[9738, 858]	11095	[11109, 7919]
2744	[4512, 4513]	5528	[7614, 3908]	8312	[2182, 2710]	11096	[8408, 7724]
2745	[4514, 4515]	5529	[7615, 1555]	8313	[9739, 1897]	11097	[11110, 8939]

2746	[1667, 4516]	5530	[1712, 3046]	8314	[9740, 5057]	11098	[11111, 692]
2747	[3608, 4517]	5531	[4425, 7616]	8315	[9741, 2695]	11099	[11112, 9157]
2748	[4518, 1578]	5532	[4192, 3134]	8316	[9742, 5198]	11100	[11113, 6066]
2749	[4519, 4520]	5533	[3748, 3866]	8317	[5577, 146]	11101	[11114, 8844]
2750	[4521, 1297]	5534	[7617, 3118]	8318	[9743, 6057]	11102	[10688, 10945]
2751	[1101, 4522]	5535	[3506, 111]	8319	[6234, 1801]	11103	[9404, 10718]
2752	[4523, 4524]	5536	[7618, 7556]	8320	[1781, 6804]	11104	[8771, 9681]
2753	[4525, 3351]	5537	[7619, 7620]	8321	[5393, 9579]	11105	[11115, 2784]
2754	[4526, 3198]	5538	[7621, 1541]	8322	[5375, 9117]	11106	[11116, 2934]
2755	[3728, 3287]	5539	[4119, 7622]	8323	[9744, 6363]	11107	[11117, 900]
2756	[4527, 4528]	5540	[7623, 7624]	8324	[9468, 8962]	11108	[11118, 5463]
2757	[1248, 4529]	5541	[7350, 7065]	8325	[5111, 9745]	11109	[11119, 5872]
2758	[4530, 4531]	5542	[1186, 7625]	8326	[9361, 635]	11110	[11120, 11037]
2759	[945, 4532]	5543	[7626, 3981]	8327	[9746, 9508]	11111	[7537, 1307]
2760	[4533, 1101]	5544	[3817, 7627]	8328	[150, 9747]	11112	[11121, 1572]
2761	[4534, 4535]	5545	[7628, 7573]	8329	[9748, 1828]	11113	[7310, 4534]
2762	[4213, 4536]	5546	[7629, 1324]	8330	[6223, 5949]	11114	[7224, 11025]
2763	[4537, 4538]	5547	[3155, 7630]	8331	[9749, 5865]	11115	[11122, 10572]
2764	[4539, 4540]	5548	[7631, 1452]	8332	[5752, 5792]	11116	[11123, 4752]
2765	[4541, 4542]	5549	[7632, 4693]	8333	[5800, 9038]	11117	[11124, 11022]
2766	[4543, 3740]	5550	[7633, 4223]	8334	[9750, 2189]	11118	[10960, 118]
2767	[4544, 4545]	5551	[7634, 3357]	8335	[2511, 2560]	11119	[7278, 10322]
2768	[4546, 4547]	5552	[1443, 3831]	8336	[9751, 6075]	11120	[11125, 1919]
2769	[4548, 1706]	5553	[7635, 7636]	8337	[9752, 9215]	11121	[11126, 2784]
2770	[4549, 3107]	5554	[4122, 7637]	8338	[5335, 9753]	11122	[11127, 2448]
2771	[4550, 4551]	5555	[7638, 3881]	8339	[9754, 9755]	11123	[11128, 6278]
2772	[4552, 4553]	5556	[1101, 7639]	8340	[9134, 2353]	11124	[11129, 9157]
2773	[4554, 4555]	5557	[7640, 3636]	8341	[9756, 6257]	11125	[11130, 8285]
2774	[4556, 4557]	5558	[4220, 7641]	8342	[2325, 9757]	11126	[10107, 4382]
2775	[4558, 4559]	5559	[4740, 3426]	8343	[772, 2420]	11127	[9956, 7934]
2776	[4560, 4561]	5560	[7642, 7643]	8344	[6203, 2711]	11128	[11131, 7270]
2777	[4562, 4563]	5561	[271, 1300]	8345	[9758, 864]	11129	[8454, 10466]
2778	[4564, 4565]	5562	[7644, 7645]	8346	[9624, 5049]	11130	[11132, 5497]
2779	[421, 1094]	5563	[7646, 3670]	8347	[9759, 6323]	11131	[11133, 8939]
2780	[4566, 4039]	5564	[7647, 7648]	8348	[2587, 9093]	11132	[9971, 11033]
2781	[4477, 412]	5565	[7649, 7650]	8349	[9760, 2832]	11133	[7963, 4429]
2782	[4567, 4568]	5566	[7651, 4770]	8350	[2891, 6097]		
2783	[4569, 1447]	5567	[309, 1444]	8351	[9761, 9762]		

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

n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$	n	$\tau(n)$
0	0	1856	0	3712	1	5568	1	7424	0	9280	0
1	0	1857	0	3713	1	5569	1	7425	0	9281	0
2	0	1858	1	3714	0	5570	1	7426	1	9282	0

3	0	1859	0	3715	0	5571	0	7427	0	9283	0
4	1	1860	0	3716	0	5572	0	7428	1	9284	0
5	0	1861	0	3717	1	5573	1	7429	1	9285	1
6	1	1862	1	3718	0	5574	1	7430	1	9286	0
7	0	1863	1	3719	1	5575	1	7431	1	9287	0
8	0	1864	1	3720	0	5576	0	7432	1	9288	1
9	1	1865	1	3721	1	5577	0	7433	1	9289	0
10	0	1866	0	3722	0	5578	0	7434	0	9290	0
11	0	1867	0	3723	0	5579	0	7435	1	9291	1
12	1	1868	1	3724	1	5580	1	7436	1	9292	0
13	1	1869	1	3725	1	5581	1	7437	0	9293	1
14	1	1870	0	3726	0	5582	1	7438	0	9294	0
15	0	1871	0	3727	0	5583	0	7439	1	9295	1
16	0	1872	0	3728	0	5584	0	7440	1	9296	0
17	0	1873	0	3729	0	5585	1	7441	1	9297	0
18	1	1874	1	3730	0	5586	0	7442	1	9298	0
19	1	1875	0	3731	1	5587	1	7443	0	9299	1
20	1	1876	0	3732	1	5588	1	7444	0	9300	0
21	0	1877	1	3733	0	5589	1	7445	1	9301	0
22	0	1878	1	3734	1	5590	1	7446	1	9302	0
23	0	1879	0	3735	0	5591	0	7447	1	9303	1
24	1	1880	0	3736	0	5592	1	7448	1	9304	1
25	1	1881	1	3737	1	5593	0	7449	0	9305	1
26	1	1882	0	3738	0	5594	1	7450	1	9306	1
27	1	1883	1	3739	1	5595	0	7451	1	9307	1
28	0	1884	1	3740	1	5596	1	7452	1	9308	0
29	1	1885	0	3741	0	5597	1	7453	1	9309	1
30	1	1886	0	3742	0	5598	1	7454	1	9310	1
31	0	1887	1	3743	1	5599	1	7455	1	9311	0
32	1	1888	0	3744	1	5600	0	7456	1	9312	1
33	0	1889	1	3745	1	5601	0	7457	0	9313	0
34	0	1890	1	3746	0	5602	0	7458	0	9314	0
35	0	1891	0	3747	1	5603	1	7459	1	9315	1
36	1	1892	1	3748	1	5604	0	7460	0	9316	1
37	1	1893	0	3749	1	5605	0	7461	1	9317	1
38	0	1894	1	3750	1	5606	1	7462	1	9318	0
39	1	1895	1	3751	1	5607	0	7463	0	9319	1
40	1	1896	0	3752	0	5608	1	7464	0	9320	1
41	1	1897	1	3753	1	5609	0	7465	1	9321	0
42	0	1898	1	3754	0	5610	0	7466	1	9322	1
43	0	1899	1	3755	0	5611	0	7467	0	9323	1
44	0	1900	0	3756	1	5612	1	7468	1	9324	1
45	0	1901	1	3757	0	5613	1	7469	0	9325	0
46	1	1902	0	3758	1	5614	0	7470	0	9326	1

47	0	1903	0	3759	0	5615	1	7471	1	9327	1
48	0	1904	0	3760	1	5616	0	7472	0	9328	1
49	1	1905	1	3761	1	5617	1	7473	1	9329	1
50	1	1906	1	3762	0	5618	1	7474	1	9330	0
51	1	1907	0	3763	0	5619	0	7475	0	9331	1
52	0	1908	1	3764	1	5620	1	7476	1	9332	0
53	1	1909	1	3765	1	5621	0	7477	1	9333	1
54	0	1910	0	3766	0	5622	0	7478	0	9334	1
55	1	1911	1	3767	0	5623	1	7479	0	9335	0
56	0	1912	1	3768	1	5624	0	7480	0	9336	0
57	0	1913	0	3769	1	5625	0	7481	0	9337	1
58	0	1914	1	3770	0	5626	1	7482	1	9338	0
59	1	1915	0	3771	1	5627	0	7483	1	9339	0
60	0	1916	0	3772	0	5628	1	7484	1	9340	0
61	1	1917	1	3773	0	5629	0	7485	1	9341	1
62	0	1918	0	3774	1	5630	0	7486	0	9342	0
63	1	1919	1	3775	1	5631	1	7487	0	9343	1
64	1	1920	1	3776	0	5632	0	7488	1	9344	0
65	1	1921	0	3777	0	5633	1	7489	0	9345	1
66	0	1922	1	3778	1	5634	1	7490	1	9346	1
67	0	1923	1	3779	1	5635	1	7491	0	9347	1
68	0	1924	0	3780	0	5636	1	7492	1	9348	1
69	0	1925	0	3781	0	5637	0	7493	0	9349	1
70	0	1926	0	3782	1	5638	1	7494	0	9350	1
71	0	1927	0	3783	1	5639	0	7495	0	9351	1
72	1	1928	0	3784	0	5640	1	7496	1	9352	1
73	1	1929	0	3785	0	5641	1	7497	0	9353	1
74	1	1930	0	3786	1	5642	0	7498	1	9354	1
75	1	1931	1	3787	1	5643	0	7499	1	9355	0
76	0	1932	1	3788	0	5644	1	7500	1	9356	1
77	1	1933	0	3789	1	5645	0	7501	1	9357	1
78	1	1934	0	3790	1	5646	1	7502	1	9358	0
79	1	1935	0	3791	0	5647	1	7503	1	9359	1
80	1	1936	0	3792	1	5648	0	7504	0	9360	0
81	1	1937	0	3793	0	5649	0	7505	0	9361	0
82	1	1938	1	3794	1	5650	1	7506	0	9362	0
83	0	1939	1	3795	1	5651	0	7507	0	9363	1
84	0	1940	1	3796	1	5652	1	7508	1	9364	0
85	0	1941	1	3797	0	5653	1	7509	1	9365	0
86	0	1942	0	3798	1	5654	0	7510	1	9366	1
87	0	1943	0	3799	0	5655	1	7511	1	9367	0
88	0	1944	1	3800	1	5656	1	7512	1	9368	0
89	1	1945	1	3801	1	5657	0	7513	0	9369	0
90	0	1946	0	3802	0	5658	1	7514	1	9370	0

91	0	1947	1	3803	0	5659	0	7515	0	9371	1
92	1	1948	0	3804	1	5660	1	7516	1	9372	1
93	0	1949	0	3805	1	5661	1	7517	1	9373	1
94	0	1950	1	3806	0	5662	1	7518	0	9374	1
95	0	1951	0	3807	0	5663	0	7519	0	9375	0
96	0	1952	0	3808	1	5664	1	7520	0	9376	1
97	0	1953	0	3809	1	5665	1	7521	1	9377	1
98	1	1954	0	3810	0	5666	0	7522	1	9378	1
99	1	1955	1	3811	1	5667	0	7523	1	9379	0
100	1	1956	1	3812	0	5668	1	7524	0	9380	0
101	0	1957	1	3813	0	5669	1	7525	1	9381	1
102	1	1958	1	3814	0	5670	1	7526	0	9382	0
103	1	1959	0	3815	1	5671	1	7527	0	9383	0
104	0	1960	1	3816	0	5672	0	7528	1	9384	1
105	1	1961	1	3817	0	5673	1	7529	0	9385	1
106	1	1962	1	3818	0	5674	0	7530	0	9386	0
107	1	1963	0	3819	1	5675	1	7531	0	9387	1
108	0	1964	0	3820	0	5676	0	7532	1	9388	0
109	1	1965	0	3821	1	5677	0	7533	1	9389	1
110	1	1966	1	3822	1	5678	0	7534	1	9390	0
111	1	1967	0	3823	1	5679	0	7535	1	9391	0
112	0	1968	1	3824	0	5680	0	7536	1	9392	0
113	0	1969	0	3825	0	5681	0	7537	0	9393	1
114	0	1970	0	3826	0	5682	0	7538	1	9394	0
115	0	1971	1	3827	0	5683	0	7539	1	9395	1
116	0	1972	1	3828	0	5684	0	7540	0	9396	1
117	0	1973	1	3829	1	5685	0	7541	0	9397	1
118	1	1974	1	3830	1	5686	0	7542	1	9398	0
119	0	1975	0	3831	0	5687	1	7543	1	9399	1
120	0	1976	0	3832	0	5688	0	7544	1	9400	0
121	1	1977	0	3833	1	5689	0	7545	0	9401	0
122	1	1978	1	3834	0	5690	0	7546	0	9402	0
123	0	1979	1	3835	0	5691	1	7547	0	9403	1
124	0	1980	1	3836	1	5692	0	7548	0	9404	0
125	1	1981	0	3837	1	5693	1	7549	1	9405	0
126	1	1982	1	3838	0	5694	1	7550	1	9406	0
127	1	1983	1	3839	0	5695	1	7551	0	9407	1
128	1	1984	1	3840	0	5696	1	7552	1	9408	0
129	1	1985	0	3841	0	5697	0	7553	0	9409	0
130	1	1986	1	3842	1	5698	1	7554	0	9410	0
131	0	1987	0	3843	1	5699	1	7555	1	9411	0
132	0	1988	0	3844	0	5700	0	7556	1	9412	0
133	0	1989	0	3845	1	5701	0	7557	0	9413	0
134	0	1990	0	3846	1	5702	1	7558	1	9414	1

135	0	1991	0	3847	1	5703	0	7559	1	9415	1
136	0	1992	0	3848	1	5704	0	7560	1	9416	1
137	1	1993	0	3849	1	5705	1	7561	1	9417	1
138	0	1994	1	3850	0	5706	1	7562	0	9418	1
139	0	1995	1	3851	1	5707	1	7563	0	9419	1
140	0	1996	0	3852	1	5708	0	7564	1	9420	1
141	1	1997	0	3853	1	5709	1	7565	0	9421	1
142	0	1998	0	3854	1	5710	1	7566	1	9422	1
143	0	1999	1	3855	0	5711	0	7567	1	9423	0
144	1	2000	1	3856	1	5712	1	7568	1	9424	1
145	1	2001	0	3857	1	5713	1	7569	0	9425	0
146	1	2002	1	3858	1	5714	1	7570	0	9426	1
147	1	2003	1	3859	0	5715	0	7571	0	9427	1
148	1	2004	0	3860	0	5716	0	7572	0	9428	1
149	1	2005	0	3861	1	5717	1	7573	0	9429	0
150	1	2006	0	3862	1	5718	0	7574	0	9430	0
151	1	2007	1	3863	0	5719	1	7575	1	9431	1
152	0	2008	1	3864	0	5720	0	7576	0	9432	0
153	1	2009	0	3865	0	5721	1	7577	0	9433	0
154	1	2010	1	3866	0	5722	1	7578	0	9434	0
155	1	2011	1	3867	0	5723	0	7579	1	9435	0
156	1	2012	1	3868	1	5724	0	7580	0	9436	1
157	1	2013	0	3869	0	5725	0	7581	0	9437	0
158	1	2014	1	3870	1	5726	0	7582	0	9438	0
159	1	2015	0	3871	1	5727	1	7583	0	9439	0
160	1	2016	1	3872	1	5728	1	7584	0	9440	1
161	1	2017	1	3873	1	5729	1	7585	1	9441	0
162	1	2018	0	3874	0	5730	0	7586	0	9442	0
163	0	2019	0	3875	0	5731	0	7587	1	9443	0
164	1	2020	0	3876	0	5732	0	7588	0	9444	1
165	0	2021	0	3877	1	5733	0	7589	0	9445	0
166	0	2022	1	3878	0	5734	0	7590	0	9446	1
167	0	2023	0	3879	1	5735	0	7591	1	9447	1
168	0	2024	1	3880	0	5736	1	7592	1	9448	1
169	1	2025	0	3881	1	5737	1	7593	0	9449	0
170	0	2026	0	3882	0	5738	1	7594	0	9450	0
171	0	2027	0	3883	1	5739	0	7595	0	9451	1
172	0	2028	0	3884	0	5740	1	7596	0	9452	1
173	1	2029	1	3885	0	5741	0	7597	0	9453	1
174	0	2030	1	3886	0	5742	1	7598	0	9454	1
175	0	2031	1	3887	0	5743	0	7599	1	9455	1
176	0	2032	0	3888	1	5744	0	7600	1	9456	1
177	0	2033	0	3889	0	5745	0	7601	0	9457	1
178	1	2034	1	3890	1	5746	0	7602	1	9458	0

179	0	2035	1	3891	1	5747	0	7603	1	9459	0
180	0	2036	1	3892	1	5748	0	7604	0	9460	0
181	0	2037	1	3893	0	5749	1	7605	0	9461	0
182	0	2038	0	3894	1	5750	0	7606	0	9462	0
183	1	2039	1	3895	1	5751	1	7607	0	9463	0
184	1	2040	1	3896	0	5752	1	7608	0	9464	1
185	0	2041	1	3897	0	5753	1	7609	0	9465	0
186	0	2042	0	3898	0	5754	0	7610	1	9466	1
187	1	2043	0	3899	1	5755	0	7611	1	9467	0
188	0	2044	0	3900	0	5756	1	7612	0	9468	1
189	0	2045	0	3901	0	5757	1	7613	1	9469	1
190	0	2046	0	3902	1	5758	0	7614	1	9470	0
191	0	2047	0	3903	1	5759	1	7615	1	9471	1
192	1	2048	0	3904	0	5760	1	7616	0	9472	0
193	0	2049	0	3905	0	5761	0	7617	0	9473	0
194	0	2050	0	3906	1	5762	0	7618	1	9474	0
195	1	2051	1	3907	0	5763	0	7619	1	9475	1
196	0	2052	0	3908	0	5764	1	7620	1	9476	0
197	1	2053	1	3909	1	5765	1	7621	1	9477	1
198	0	2054	0	3910	0	5766	0	7622	0	9478	0
199	1	2055	1	3911	1	5767	1	7623	0	9479	0
200	0	2056	0	3912	0	5768	1	7624	1	9480	0
201	0	2057	0	3913	1	5769	1	7625	0	9481	1
202	0	2058	0	3914	1	5770	1	7626	1	9482	0
203	1	2059	1	3915	0	5771	1	7627	1	9483	0
204	1	2060	1	3916	1	5772	1	7628	1	9484	0
205	1	2061	0	3917	1	5773	1	7629	0	9485	0
206	0	2062	0	3918	0	5774	1	7630	0	9486	1
207	0	2063	0	3919	1	5775	0	7631	1	9487	1
208	1	2064	1	3920	1	5776	0	7632	0	9488	1
209	1	2065	0	3921	1	5777	1	7633	1	9489	0
210	1	2066	0	3922	0	5778	0	7634	1	9490	1
211	1	2067	1	3923	1	5779	1	7635	0	9491	0
212	0	2068	0	3924	1	5780	1	7636	1	9492	1
213	1	2069	1	3925	1	5781	1	7637	0	9493	0
214	1	2070	1	3926	0	5782	0	7638	1	9494	1
215	0	2071	1	3927	0	5783	1	7639	0	9495	0
216	1	2072	1	3928	1	5784	0	7640	1	9496	0
217	1	2073	1	3929	1	5785	0	7641	0	9497	1
218	1	2074	1	3930	1	5786	0	7642	0	9498	0
219	1	2075	1	3931	1	5787	0	7643	1	9499	0
220	0	2076	0	3932	1	5788	1	7644	1	9500	0
221	1	2077	0	3933	1	5789	1	7645	1	9501	1
222	1	2078	1	3934	1	5790	1	7646	0	9502	0

223	0	2079	1	3935	0	5791	0	7647	0	9503	1
224	0	2080	1	3936	0	5792	0	7648	1	9504	0
225	0	2081	1	3937	0	5793	0	7649	0	9505	0
226	1	2082	1	3938	0	5794	1	7650	1	9506	1
227	0	2083	0	3939	0	5795	1	7651	1	9507	0
228	1	2084	1	3940	1	5796	1	7652	1	9508	1
229	0	2085	0	3941	0	5797	0	7653	1	9509	1
230	0	2086	1	3942	1	5798	0	7654	0	9510	1
231	0	2087	0	3943	1	5799	0	7655	0	9511	0
232	1	2088	1	3944	0	5800	0	7656	0	9512	1
233	0	2089	0	3945	0	5801	0	7657	1	9513	1
234	0	2090	1	3946	0	5802	1	7658	0	9514	0
235	1	2091	1	3947	1	5803	0	7659	1	9515	1
236	1	2092	0	3948	0	5804	0	7660	0	9516	0
237	0	2093	1	3949	0	5805	1	7661	0	9517	1
238	1	2094	0	3950	0	5806	0	7662	0	9518	0
239	0	2095	1	3951	0	5807	1	7663	0	9519	1
240	1	2096	0	3952	1	5808	1	7664	1	9520	0
241	1	2097	0	3953	1	5809	1	7665	0	9521	1
242	0	2098	0	3954	0	5810	0	7666	1	9522	0
243	1	2099	1	3955	0	5811	0	7667	0	9523	1
244	1	2100	1	3956	1	5812	1	7668	1	9524	1
245	0	2101	0	3957	1	5813	0	7669	0	9525	0
246	0	2102	1	3958	0	5814	1	7670	1	9526	0
247	0	2103	1	3959	1	5815	0	7671	1	9527	1
248	0	2104	0	3960	0	5816	1	7672	1	9528	0
249	1	2105	1	3961	1	5817	1	7673	1	9529	0
250	0	2106	1	3962	0	5818	0	7674	1	9530	1
251	1	2107	1	3963	0	5819	1	7675	0	9531	1
252	1	2108	1	3964	0	5820	1	7676	1	9532	0
253	1	2109	1	3965	1	5821	0	7677	0	9533	0
254	1	2110	0	3966	1	5822	1	7678	1	9534	1
255	1	2111	1	3967	1	5823	1	7679	1	9535	0
256	0	2112	0	3968	0	5824	1	7680	1	9536	1
257	1	2113	1	3969	0	5825	0	7681	1	9537	1
258	0	2114	0	3970	1	5826	1	7682	1	9538	1
259	1	2115	0	3971	0	5827	1	7683	0	9539	0
260	0	2116	1	3972	0	5828	1	7684	1	9540	1
261	0	2117	1	3973	1	5829	0	7685	1	9541	1
262	0	2118	1	3974	0	5830	1	7686	1	9542	0
263	0	2119	0	3975	1	5831	1	7687	0	9543	0
264	0	2120	0	3976	0	5832	0	7688	0	9544	0
265	0	2121	1	3977	1	5833	1	7689	1	9545	1
266	0	2122	1	3978	0	5834	1	7690	0	9546	0

267	0	2123	1	3979	1	5835	1	7691	0	9547	0
268	1	2124	1	3980	0	5836	0	7692	0	9548	0
269	0	2125	1	3981	1	5837	0	7693	0	9549	0
270	0	2126	0	3982	1	5838	0	7694	1	9550	1
271	0	2127	1	3983	1	5839	1	7695	0	9551	0
272	0	2128	0	3984	1	5840	1	7696	1	9552	0
273	1	2129	0	3985	0	5841	1	7697	1	9553	0
274	0	2130	0	3986	0	5842	0	7698	0	9554	0
275	0	2131	0	3987	1	5843	1	7699	1	9555	0
276	1	2132	0	3988	0	5844	0	7700	0	9556	0
277	0	2133	1	3989	1	5845	1	7701	0	9557	0
278	0	2134	0	3990	0	5846	0	7702	1	9558	0
279	0	2135	0	3991	1	5847	1	7703	1	9559	0
280	1	2136	1	3992	0	5848	0	7704	1	9560	1
281	1	2137	0	3993	1	5849	1	7705	1	9561	0
282	1	2138	1	3994	1	5850	0	7706	0	9562	1
283	0	2139	1	3995	0	5851	0	7707	1	9563	0
284	1	2140	0	3996	1	5852	1	7708	1	9564	1
285	0	2141	0	3997	1	5853	0	7709	1	9565	0
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287	1	2143	1	3999	0	5855	0	7711	1	9567	0
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289	1	2145	1	4001	1	5857	0	7713	1	9569	0
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291	1	2147	1	4003	1	5859	1	7715	0	9571	1
292	0	2148	0	4004	1	5860	1	7716	1	9572	1
293	1	2149	0	4005	1	5861	1	7717	0	9573	1
294	1	2150	0	4006	0	5862	0	7718	1	9574	0
295	1	2151	0	4007	0	5863	1	7719	1	9575	1
296	0	2152	0	4008	0	5864	0	7720	1	9576	0
297	1	2153	0	4009	0	5865	0	7721	1	9577	0
298	1	2154	0	4010	1	5866	0	7722	0	9578	1
299	1	2155	0	4011	1	5867	0	7723	0	9579	1
300	1	2156	1	4012	0	5868	0	7724	0	9580	0
301	1	2157	1	4013	1	5869	0	7725	1	9581	0
302	1	2158	0	4014	0	5870	1	7726	0	9582	1
303	0	2159	0	4015	0	5871	0	7727	1	9583	1
304	1	2160	0	4016	1	5872	1	7728	1	9584	0
305	1	2161	1	4017	0	5873	0	7729	0	9585	1
306	1	2162	1	4018	0	5874	1	7730	1	9586	1
307	0	2163	1	4019	1	5875	0	7731	0	9587	1
308	1	2164	0	4020	1	5876	0	7732	0	9588	1
309	1	2165	0	4021	0	5877	0	7733	1	9589	1
310	0	2166	1	4022	0	5878	0	7734	1	9590	1

311	1	2167	1	4023	0	5879	1	7735	0	9591	1
312	1	2168	0	4024	1	5880	1	7736	0	9592	0
313	1	2169	1	4025	0	5881	0	7737	1	9593	1
314	0	2170	1	4026	0	5882	1	7738	0	9594	0
315	1	2171	1	4027	1	5883	1	7739	1	9595	0
316	1	2172	0	4028	1	5884	0	7740	0	9596	1
317	1	2173	1	4029	1	5885	1	7741	1	9597	0
318	1	2174	0	4030	1	5886	1	7742	1	9598	1
319	1	2175	1	4031	0	5887	1	7743	1	9599	1
320	1	2176	1	4032	1	5888	0	7744	0	9600	1
321	1	2177	0	4033	0	5889	1	7745	1	9601	1
322	1	2178	1	4034	0	5890	1	7746	0	9602	0
323	0	2179	0	4035	1	5891	0	7747	1	9603	1
324	1	2180	0	4036	0	5892	1	7748	0	9604	1
325	1	2181	0	4037	0	5893	1	7749	0	9605	0
326	0	2182	0	4038	1	5894	1	7750	1	9606	0
327	0	2183	1	4039	0	5895	0	7751	0	9607	1
328	1	2184	0	4040	0	5896	0	7752	1	9608	1
329	0	2185	0	4041	0	5897	1	7753	1	9609	0
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331	0	2187	1	4043	0	5899	0	7755	0	9611	1
332	1	2188	1	4044	1	5900	1	7756	0	9612	0
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334	1	2190	1	4046	0	5902	0	7758	1	9614	1
335	1	2191	1	4047	0	5903	1	7759	1	9615	1
336	1	2192	0	4048	0	5904	0	7760	0	9616	1
337	0	2193	0	4049	1	5905	1	7761	0	9617	1
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339	0	2195	1	4051	1	5907	0	7763	0	9619	1
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346	1	2202	0	4058	0	5914	0	7770	1	9626	1
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357	0	2213	1	4069	0	5925	1	7781	1	9637	1
358	0	2214	0	4070	1	5926	0	7782	1	9638	0
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362	1	2218	1	4074	0	5930	0	7786	1	9642	1
363	1	2219	1	4075	0	5931	1	7787	1	9643	0
364	0	2220	0	4076	0	5932	0	7788	0	9644	1
365	1	2221	1	4077	0	5933	0	7789	1	9645	1
366	0	2222	1	4078	0	5934	1	7790	1	9646	0
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369	0	2225	0	4081	1	5937	1	7793	0	9649	0
370	0	2226	1	4082	0	5938	0	7794	1	9650	0
371	1	2227	1	4083	0	5939	0	7795	0	9651	0
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373	0	2229	1	4085	1	5941	1	7797	0	9653	0
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376	0	2232	0	4088	0	5944	0	7800	1	9656	0
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379	0	2235	0	4091	1	5947	0	7803	0	9659	1
380	0	2236	0	4092	1	5948	1	7804	0	9660	1
381	1	2237	1	4093	1	5949	1	7805	0	9661	0
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385	0	2241	0	4097	0	5953	0	7809	1	9665	0
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387	1	2243	0	4099	0	5955	0	7811	1	9667	0
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390	1	2246	0	4102	1	5958	0	7814	0	9670	1
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393	0	2249	0	4105	0	5961	1	7817	0	9673	1
394	0	2250	0	4106	0	5962	1	7818	0	9674	0
395	1	2251	1	4107	0	5963	0	7819	0	9675	1
396	0	2252	1	4108	0	5964	1	7820	0	9676	1
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402	1	2258	0	4114	1	5970	0	7826	1	9682	0
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410	1	2266	1	4122	0	5978	0	7834	1	9690	0
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414	1	2270	0	4126	0	5982	1	7838	0	9694	1
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436	1	2292	0	4148	0	6004	0	7860	0	9716	1
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439	0	2295	1	4151	0	6007	0	7863	1	9719	1
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448	0	2304	1	4160	0	6016	0	7872	1	9728	1
449	1	2305	0	4161	0	6017	1	7873	1	9729	0
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451	0	2307	1	4163	1	6019	0	7875	0	9731	1
452	0	2308	0	4164	0	6020	0	7876	1	9732	1
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469	1	2325	1	4181	0	6037	1	7893	0	9749	1
470	0	2326	1	4182	1	6038	0	7894	1	9750	0
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475	1	2331	0	4187	0	6043	1	7899	0	9755	0
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485	0	2341	1	4197	0	6053	0	7909	0	9765	1
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487	0	2343	0	4199	0	6055	0	7911	1	9767	1
488	0	2344	1	4200	0	6056	0	7912	1	9768	0
489	1	2345	0	4201	0	6057	1	7913	0	9769	1
490	0	2346	1	4202	1	6058	1	7914	1	9770	0
491	1	2347	1	4203	0	6059	0	7915	0	9771	0
492	1	2348	0	4204	0	6060	0	7916	1	9772	0
493	0	2349	1	4205	1	6061	1	7917	1	9773	0
494	1	2350	0	4206	1	6062	0	7918	0	9774	0
495	1	2351	0	4207	1	6063	1	7919	1	9775	1
496	1	2352	0	4208	1	6064	1	7920	0	9776	0
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498	1	2354	0	4210	1	6066	1	7922	1	9778	0
499	0	2355	0	4211	0	6067	1	7923	0	9779	1
500	1	2356	1	4212	0	6068	1	7924	0	9780	0
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503	1	2359	0	4215	1	6071	1	7927	1	9783	0
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506	0	2362	1	4218	0	6074	0	7930	1	9786	0
507	1	2363	0	4219	1	6075	0	7931	1	9787	1
508	1	2364	1	4220	1	6076	0	7932	1	9788	1
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510	0	2366	0	4222	0	6078	1	7934	0	9790	1
511	1	2367	1	4223	1	6079	1	7935	0	9791	0
512	0	2368	1	4224	0	6080	0	7936	0	9792	0
513	1	2369	0	4225	1	6081	0	7937	0	9793	1
514	0	2370	0	4226	0	6082	1	7938	0	9794	1
515	0	2371	1	4227	0	6083	1	7939	0	9795	1
516	0	2372	0	4228	1	6084	1	7940	0	9796	1
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518	0	2374	1	4230	1	6086	1	7942	0	9798	0
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521	0	2377	0	4233	0	6089	1	7945	0	9801	0
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523	0	2379	1	4235	1	6091	1	7947	0	9803	0
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540	1	2396	0	4252	0	6108	0	7964	1	9820	0
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546	1	2402	0	4258	0	6114	1	7970	0	9826	1
547	0	2403	1	4259	1	6115	0	7971	1	9827	0
548	1	2404	0	4260	0	6116	1	7972	1	9828	0
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550	1	2406	1	4262	1	6118	0	7974	0	9830	1
551	1	2407	1	4263	0	6119	0	7975	0	9831	0
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555	0	2411	0	4267	0	6123	1	7979	1	9835	1
556	0	2412	0	4268	1	6124	0	7980	0	9836	1
557	1	2413	1	4269	1	6125	0	7981	0	9837	0
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559	0	2415	1	4271	0	6127	1	7983	1	9839	1
560	1	2416	0	4272	0	6128	1	7984	0	9840	0
561	1	2417	1	4273	1	6129	0	7985	1	9841	1
562	1	2418	0	4274	0	6130	0	7986	1	9842	0
563	1	2419	0	4275	1	6131	1	7987	0	9843	0
564	1	2420	0	4276	0	6132	0	7988	1	9844	1
565	0	2421	0	4277	1	6133	1	7989	1	9845	0
566	0	2422	0	4278	1	6134	1	7990	1	9846	1
567	1	2423	1	4279	0	6135	0	7991	0	9847	0
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569	1	2425	0	4281	1	6137	0	7993	1	9849	1
570	1	2426	1	4282	1	6138	1	7994	0	9850	0
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573	0	2429	0	4285	0	6141	0	7997	1	9853	0
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577	1	2433	0	4289	1	6145	0	8001	0	9857	1
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579	1	2435	0	4291	1	6147	0	8003	0	9859	0
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581	0	2437	0	4293	0	6149	1	8005	0	9861	1
582	1	2438	1	4294	0	6150	0	8006	0	9862	0
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587	1	2443	0	4299	1	6155	1	8011	1	9867	1
588	1	2444	1	4300	0	6156	0	8012	0	9868	0
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591	1	2447	0	4303	1	6159	0	8015	1	9871	0
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594	0	2450	0	4306	1	6162	1	8018	1	9874	1
595	1	2451	0	4307	0	6163	0	8019	0	9875	0
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624	0	2480	1	4336	1	6192	0	8048	1	9904	0
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626	0	2482	0	4338	0	6194	0	8050	0	9906	0
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631	0	2487	0	4343	0	6199	1	8055	0	9911	1
632	0	2488	1	4344	1	6200	1	8056	0	9912	0
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635	1	2491	1	4347	0	6203	0	8059	1	9915	0
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637	1	2493	0	4349	0	6205	1	8061	1	9917	0
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669	1	2525	0	4381	1	6237	0	8093	1	9949	1
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678	1	2534	0	4390	0	6246	1	8102	0	9958	0
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681	0	2537	0	4393	1	6249	0	8105	1	9961	0
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723	1	2579	0	4435	0	6291	1	8147	1	10003	1
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739	0	2595	0	4451	0	6307	1	8163	0	10019	0
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746	0	2602	0	4458	1	6314	1	8170	0	10026	1
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748	0	2604	0	4460	1	6316	1	8172	0	10028	1
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762	0	2618	0	4474	0	6330	1	8186	0	10042	0
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769	0	2625	1	4481	1	6337	1	8193	1	10049	0
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778	0	2634	1	4490	0	6346	0	8202	0	10058	1
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1287	1	3143	1	4999	0	6855	1	8711	0	10567	1
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1292	0	3148	0	5004	1	6860	0	8716	1	10572	1
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1308	0	3164	1	5020	1	6876	1	8732	0	10588	1
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1310	0	3166	0	5022	0	6878	1	8734	0	10590	0
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1314	0	3170	0	5026	0	6882	0	8738	1	10594	0
1315	1	3171	0	5027	1	6883	1	8739	1	10595	0
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1319	0	3175	0	5031	1	6887	0	8743	1	10599	1
1320	0	3176	0	5032	0	6888	0	8744	1	10600	0
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1387	0	3243	0	5099	0	6955	0	8811	0	10667	1
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1548	1	3404	1	5260	1	7116	0	8972	0	10828	0
1549	0	3405	1	5261	1	7117	0	8973	0	10829	1
1550	0	3406	1	5262	0	7118	0	8974	1	10830	1
1551	0	3407	1	5263	1	7119	1	8975	1	10831	1
1552	1	3408	1	5264	0	7120	1	8976	0	10832	0
1553	1	3409	1	5265	0	7121	1	8977	0	10833	0
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1555	1	3411	0	5267	0	7123	0	8979	1	10835	1
1556	0	3412	0	5268	0	7124	0	8980	1	10836	1
1557	0	3413	0	5269	0	7125	1	8981	0	10837	1
1558	1	3414	1	5270	1	7126	0	8982	0	10838	0
1559	0	3415	0	5271	0	7127	1	8983	0	10839	0
1560	1	3416	1	5272	1	7128	0	8984	0	10840	0
1561	0	3417	0	5273	0	7129	1	8985	1	10841	0
1562	1	3418	1	5274	0	7130	0	8986	0	10842	1
1563	1	3419	0	5275	1	7131	1	8987	0	10843	1
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1566	1	3422	1	5278	0	7134	0	8990	0	10846	1
1567	0	3423	0	5279	0	7135	0	8991	0	10847	0
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1569	1	3425	1	5281	0	7137	1	8993	0	10849	1
1570	1	3426	0	5282	1	7138	0	8994	0	10850	1
1571	1	3427	1	5283	1	7139	0	8995	1	10851	1
1572	0	3428	0	5284	0	7140	1	8996	1	10852	0
1573	0	3429	0	5285	0	7141	0	8997	0	10853	1
1574	0	3430	0	5286	1	7142	0	8998	0	10854	1
1575	0	3431	0	5287	1	7143	0	8999	0	10855	1
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1577	0	3433	1	5289	1	7145	1	9001	0	10857	0
1578	1	3434	1	5290	0	7146	0	9002	1	10858	1
1579	1	3435	0	5291	0	7147	0	9003	0	10859	0
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1582	0	3438	1	5294	0	7150	0	9006	0	10862	0
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1584	1	3440	0	5296	1	7152	1	9008	1	10864	0
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1590	0	3446	1	5302	1	7158	1	9014	1	10870	0
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1603	0	3459	1	5315	1	7171	0	9027	1	10883	1
1604	1	3460	0	5316	0	7172	1	9028	0	10884	1
1605	0	3461	1	5317	0	7173	0	9029	0	10885	0
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1607	0	3463	1	5319	0	7175	0	9031	1	10887	0
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1609	0	3465	0	5321	1	7177	0	9033	1	10889	0
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1611	1	3467	0	5323	0	7179	1	9035	0	10891	1
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1613	1	3469	0	5325	1	7181	0	9037	1	10893	0
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1616	1	3472	0	5328	0	7184	1	9040	1	10896	1
1617	1	3473	1	5329	0	7185	1	9041	1	10897	1
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1619	0	3475	1	5331	0	7187	1	9043	1	10899	0
1620	0	3476	0	5332	1	7188	0	9044	1	10900	0
1621	1	3477	1	5333	1	7189	0	9045	1	10901	0
1622	1	3478	0	5334	0	7190	0	9046	1	10902	1
1623	0	3479	0	5335	1	7191	0	9047	0	10903	1
1624	1	3480	0	5336	0	7192	0	9048	1	10904	0
1625	1	3481	1	5337	1	7193	1	9049	0	10905	0
1626	1	3482	0	5338	1	7194	0	9050	1	10906	1
1627	0	3483	1	5339	0	7195	0	9051	1	10907	1
1628	1	3484	1	5340	0	7196	1	9052	1	10908	0
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1630	1	3486	0	5342	1	7198	0	9054	1	10910	1

1631	0	3487	1	5343	1	7199	0	9055	1	10911	0
1632	0	3488	0	5344	1	7200	0	9056	1	10912	1
1633	0	3489	0	5345	1	7201	0	9057	0	10913	0
1634	0	3490	1	5346	0	7202	1	9058	0	10914	1
1635	0	3491	1	5347	1	7203	1	9059	1	10915	1
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1637	0	3493	1	5349	1	7205	0	9061	0	10917	0
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1639	1	3495	0	5351	0	7207	1	9063	1	10919	1
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1647	1	3503	0	5359	1	7215	1	9071	1	10927	1
1648	1	3504	0	5360	1	7216	0	9072	1	10928	0
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1662	1	3518	1	5374	0	7230	1	9086	0	10942	1
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1672	1	3528	1	5384	0	7240	1	9096	1	10952	1
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1680	0	3536	0	5392	0	7248	0	9104	1	10960	0
1681	0	3537	0	5393	0	7249	1	9105	1	10961	0
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1683	1	3539	0	5395	0	7251	1	9107	0	10963	1
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1687	1	3543	1	5399	0	7255	0	9111	0	10967	0
1688	0	3544	1	5400	0	7256	0	9112	1	10968	0
1689	1	3545	1	5401	0	7257	0	9113	1	10969	0
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1722	0	3578	1	5434	1	7290	0	9146	1	11002	1
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1808	0	3664	0	5520	0	7376	0	9232	1	11088	0
1809	0	3665	0	5521	0	7377	0	9233	0	11089	1
1810	0	3666	0	5522	1	7378	1	9234	1	11090	1
1811	1	3667	0	5523	1	7379	0	9235	0	11091	1
1812	0	3668	0	5524	1	7380	1	9236	0	11092	0
1813	1	3669	0	5525	1	7381	1	9237	1	11093	1
1814	1	3670	0	5526	1	7382	1	9238	1	11094	0
1815	1	3671	0	5527	0	7383	1	9239	0	11095	1
1816	1	3672	0	5528	1	7384	1	9240	0	11096	1
1817	0	3673	0	5529	1	7385	0	9241	1	11097	1
1818	0	3674	0	5530	1	7386	0	9242	0	11098	0
1819	1	3675	0	5531	1	7387	0	9243	1	11099	0
1820	1	3676	1	5532	1	7388	0	9244	1	11100	0
1821	0	3677	0	5533	1	7389	1	9245	1	11101	1
1822	0	3678	0	5534	0	7390	1	9246	1	11102	0
1823	0	3679	0	5535	0	7391	0	9247	0	11103	0
1824	1	3680	1	5536	1	7392	0	9248	1	11104	1
1825	0	3681	1	5537	1	7393	1	9249	0	11105	1
1826	0	3682	1	5538	1	7394	0	9250	1	11106	0
1827	1	3683	1	5539	1	7395	1	9251	0	11107	1
1828	1	3684	1	5540	0	7396	1	9252	1	11108	0
1829	1	3685	1	5541	0	7397	1	9253	1	11109	1
1830	0	3686	0	5542	0	7398	1	9254	0	11110	1
1831	0	3687	0	5543	1	7399	0	9255	1	11111	0
1832	0	3688	1	5544	0	7400	1	9256	0	11112	0
1833	0	3689	0	5545	1	7401	1	9257	1	11113	0
1834	0	3690	0	5546	0	7402	0	9258	0	11114	1
1835	0	3691	0	5547	1	7403	0	9259	0	11115	1
1836	0	3692	1	5548	1	7404	0	9260	0	11116	0
1837	0	3693	1	5549	0	7405	0	9261	1	11117	1
1838	1	3694	1	5550	1	7406	0	9262	1	11118	0
1839	1	3695	1	5551	1	7407	1	9263	1	11119	1
1840	1	3696	1	5552	1	7408	0	9264	1	11120	1
1841	0	3697	0	5553	0	7409	0	9265	0	11121	0
1842	0	3698	1	5554	0	7410	1	9266	1	11122	1
1843	0	3699	1	5555	1	7411	1	9267	0	11123	0
1844	1	3700	0	5556	0	7412	0	9268	1	11124	1
1845	0	3701	0	5557	1	7413	1	9269	0	11125	1
1846	0	3702	0	5558	1	7414	0	9270	1	11126	0
1847	0	3703	1	5559	0	7415	1	9271	1	11127	1
1848	1	3704	1	5560	0	7416	0	9272	0	11128	0
1849	1	3705	0	5561	0	7417	1	9273	0	11129	1
1850	1	3706	1	5562	1	7418	1	9274	1	11130	1

1851	0	3707	0	5563	0	7419	1	9275	1	11131	0
1852	0	3708	1	5564	0	7420	0	9276	1	11132	1
1853	0	3709	0	5565	0	7421	0	9277	1	11133	0
1854	0	3710	0	5566	1	7422	1	9278	1		
1855	1	3711	0	5567	1	7423	0	9279	0		

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