

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

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ABSTRACT. The continued fraction conjecture claims that the continued fraction defined by the (a, b) -Thue-Morse sequence is algebraic over $\mathbb{F}_2(x)$ for all pairs of distinct elements (a, b) in $\mathbb{F}_2[x] \setminus \mathbb{F}_2$. In this paper we prove the conjecture for $(a, b) = (z^2, z^5 + z^3 + z + 1)$.

1. INTRODUCTION

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

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

as the limit of the finite continued fractions

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

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

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

admits a continued fraction expansion of form (1.1).

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

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

that we shall denote

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

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Theorem 1.1. *When $(a, b) = (z^2, z^5 + z^3 + z + 1)$, the two power series $\text{CF}(a, b)$ and $\text{CF}(b, a)$ are algebraic over $\mathbb{F}_2(z)$, with minimal polynomials of the form*

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

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{19} + z^{17} + z^{16} + z^{14} + z^{12} + z^{10} + z^9 + z^6 + z^4 + z^3 + z^2 \\ &\quad + 1, \\ p_1(z) &= z^{26} + z^{23} + z^{22} + z^{21} + z^{19} + z^{16} + z^{14} + z^{12} + z^{11} + z^{10} + z^8 + z^5 + z^4 \\ &\quad + z^2, \\ p_2(z) &= z^{28} + z^{24} + z^{20} + z^{18} + z^{16} + z^{14} + z^{12} + z^{10} + z^8 + z^4, \\ p_3(z) &= z^{26} + z^{23} + z^{22} + z^{21} + z^{19} + z^{16} + z^{14} + z^{12} + z^{11} + z^{10} + z^8 + z^5 + z^4 \\ &\quad + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{19} + z^{18} + z^{17} + z^9 + z^8 + z^6 + z^4 + z^3 + z^2, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{19} + z^{17} + z^{16} + z^{14} + z^{10} + z^9 + z^8 + z^6 + z^3 + z^2, \\ p_1(z) &= z^{26} + z^{23} + z^{22} + z^{21} + z^{19} + z^{16} + z^{14} + z^{12} + z^{11} + z^{10} + z^8 + z^5 + z^4 \\ &\quad + z^2, \\ p_2(z) &= z^{28} + z^{24} + z^{20} + z^{18} + z^{16} + z^{14} + z^{12} + z^{10} + z^8 + z^4, \\ p_3(z) &= z^{26} + z^{23} + z^{22} + z^{21} + z^{19} + z^{16} + z^{14} + z^{12} + z^{11} + z^{10} + z^8 + z^5 + z^4 \\ &\quad + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{20} + z^{19} + z^{18} + z^{17} + z^{12} + z^9 + z^6 + z^3 + z^2 + 1. \end{aligned}$$

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

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

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

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

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

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

for some positive integer d_n . Hence,

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

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

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

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

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

of the vector

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

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

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

Lemma 2.1. *We have*

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

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

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

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

Proof. We give the proof of the identity

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

the proofs of the others being similar.

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

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

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

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

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

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

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

Define

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

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

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

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

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

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

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

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

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

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

$$0 = x^{12u}T[u:2u] + x^{8u}T[5u:6u] + T[13u:14u],$$

which can be rewritten as

$$(2.7) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[101w]_2] + T[[111w]_2],$$

$$(2.8) \quad 0 = T[[10w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1000w]_2],$$

$$(2.9) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] \\ + T[[101w]_2] + T[[1001w]_2],$$

$$(2.10) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\ + T[[110w]_2] + T[[1010w]_2],$$

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

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

$$(2.13) \quad 0 = T[[1w]_2] + T[[101w]_2] + T[[1101w]_2],$$

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

$$(2.14) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[101w]_2] + T[[111w]_2],$$

$$(2.15) \quad 0 = T[[10w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1000w]_2],$$

$$(2.16) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] \\ + T[[101w]_2] + T[[1001w]_2],$$

$$(2.17) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2] \\ + T[[110w]_2] + T[[1010w]_2],$$

$$(2.18) \quad 0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] \\ + T[[1011w]_2],$$

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

$$(2.20) \quad 0 = T[[1w]_2] + T[[101w]_2] + T[[1101w]_2],$$

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 12289 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

$$(2.21) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 111)),$$

$$(2.22) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 1000)),$$

$$(2.23) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ + \tau(A(s, 101)) + \tau(A(s, 1001)),$$

$$(2.24) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

$$+ \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1010)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

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

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

$$(2.27) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 101)) + \tau(A(s, 1101)),$$

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

$$(2.28) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 111)),$$

$$(2.29) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 1000)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

$$(2.30) \quad + \tau(A(s, 101)) + \tau(A(s, 1001)),$$

$$0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

$$(2.31) \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1010)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100))$$

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

$$(2.33) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 100)) + \tau(A(s, 1100)),$$

$$(2.34) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 101)) + \tau(A(s, 1101)),$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{66}), E_{66}) = (A(i, 0^{18}), E_{18})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 33$, 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 $u = 2^{2k-1}$,*

$$M_{2k} = M^e[:7u] + x^{2u}M^e[:5u] + x^{5u}M^e[:2u] + x^{6u}M^e[:u] + x^{7u}R^e,$$

$$W_{2k} = W^e[:7u] + x^{2u}W^e[:5u] + x^{5u}W^e[:2u] + x^{6u}W^e[:u] + x^{7u}R^e.$$

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

$$M_{2k+1} = M^o[:7u] + x^{2u}M^o[:5u] + x^{5u}M^o[:2u] + x^{6u}M^o[:u] + x^{7u}R^o,$$

$$W_{2k+1} = W^o[:7u] + x^{2u}W^o[:5u] + x^{5u}W^o[:2u] + x^{6u}W^o[:u] + x^{7u}R^o.$$

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

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

We give the proof of

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

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

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

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

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

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

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{25} + x^{24} + x^{22} + x^{19} + x^{18} + x^{16} + x^{14} + x^{12} + x^{11} + x^9 \\ &\quad + x^8 + x^7, \\ q_1(x) &= x^{26} + x^{24} + x^{23} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12} + x^9 + x^7 + x^6 \\ &\quad + x^5 + x^2, \\ q_2(x) &= x^{24} + x^{20} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^4 + 1, \end{aligned}$$

$$\begin{aligned}
q_3(x) &= x^{26} + x^{24} + x^{23} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12} + x^9 + x^7 + x^6 \\
&\quad + x^5 + x^2, \\
q_4(x) &= x^{26} + x^{25} + x^{24} + x^{22} + x^{20} + x^{19} + x^{11} + x^{10} + x^9 + x^7 + x^4.
\end{aligned}$$

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

3. ANNEXE

All 16 polynomials are of the form

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

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{150} + x^{148} + x^{146} + x^{144} + x^{142} + x^{140} + x^{134} + x^{130} \\
&\quad + x^{128} + x^{126} + x^{124} + x^{120} + x^{114} + x^{112} + x^{106} + x^{104} + x^{100} \\
&\quad + x^{96} + x^{94} + x^{86} + x^{82} + x^{80} + x^{74} + x^{72} + x^{66} + x^{58} + x^{54} + x^{52} \\
&\quad + x^{46} + x^{44} + x^{42} + x^{38} + x^{34} + x^{30} + x^{24}, \\
p_3(x) &= x^{150} + x^{148} + x^{142} + x^{140} + x^{136} + x^{134} + x^{128} + x^{126} + x^{124} + x^{122} \\
&\quad + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{104} + x^{102} + x^{100} + x^{98} + x^{92} \\
&\quad + x^{84} + x^{80} + x^{76} + x^{70} + x^{68} + x^{62} + x^{60} + x^{52} + x^{48} + x^{46} + x^{42} \\
&\quad + x^{40} + x^{34} + x^{32} + x^{28} + x^{26} + x^{24} + x^{22} + x^{18} + x^{16}, \\
p_6(x) &= x^{150} + x^{146} + x^{144} + x^{142} + x^{140} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} \\
&\quad + x^{124} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{104} + x^{102} + x^{100} \\
&\quad + x^{98} + x^{96} + x^{90} + x^{88} + x^{84} + x^{82} + x^{80} + x^{72} + x^{70} + x^{68} + x^{66} \\
&\quad + x^{64} + x^{62} + x^{50} + x^{46} + x^{22} + x^{16} + x^{10} + x^8 + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{144} + x^{142} + x^{136} + x^{132} + x^{130} + x^{126} + x^{124} + x^{118} \\
&\quad + x^{112} + x^{104} + x^{102} + x^{100} + x^{96} + x^{92} + x^{90} + x^{82} + x^{80} + x^{76} \\
&\quad + x^{74} + x^{72} + x^{70} + x^{66} + x^{64} + x^{60} + x^{56} + x^{54} + x^{50} + x^{48} + x^{42} \\
&\quad + x^{40} + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} \\
&\quad + x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{144} + x^{136} + x^{96} + x^{40} + x^{32} + x^{16} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{143} + x^{140} + x^{138} + x^{137} + x^{132} + x^{129} + x^{128} + x^{127} \\
&\quad + x^{125} + x^{124} + x^{115} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} \\
&\quad + x^{107} + x^{106} + x^{104} + x^{103} + x^{102} + x^{99} + x^{96} + x^{94} + x^{93} + x^{92} \\
&\quad + x^{89} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{78} + x^{77} + x^{72} + x^{70} + x^{68} \\
&\quad + x^{67} + x^{66} + x^{61} + x^{60} + x^{58} + x^{54} + x^{51} + x^{48} + x^{47} + x^{46} + x^{45} \\
&\quad + x^{43} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} \\
&\quad + x^{125} + x^{123} + x^{121} + x^{120} + x^{119} + x^{117} + x^{116} + x^{114} + x^{111} \\
&\quad + x^{110} + x^{109} + x^{108} + x^{107} + x^{103} + x^{101} + x^{99} + x^{98} + x^{96} + x^{95} \\
&\quad + x^{94} + x^{90} + x^{89} + x^{86} + x^{85} + x^{84} + x^{81} + x^{78} + x^{77} + x^{76} + x^{73} \\
&\quad + x^{70} + x^{69} + x^{68} + x^{65} + x^{62} + x^{61} + x^{60} + x^{57} + x^{55} + x^{51} + x^{49} \\
&\quad + x^{45} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{32} + x^{30} + x^{29} + x^{27} \\
&\quad + x^{25} + x^{24} + x^{23} + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{141} + x^{140} + x^{138} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{128} + x^{125} + x^{123} + x^{121} + x^{120} + x^{116} + x^{109} + x^{108} + x^{107} \\
&\quad + x^{105} + x^{104} + x^{101} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{90} + x^{88} + x^{87} \\
&\quad + x^{85} + x^{83} + x^{82} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{69} + x^{68} + x^{66} \\
&\quad + x^{65} + x^{63} + x^{61} + x^{60} + x^{56} + x^{55} + x^{54} + x^{52} + x^{51} + x^{49} + x^{47} \\
&\quad + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{39} + x^{37} + x^{32} + x^{29} + x^{28} + x^{27} \\
&\quad + x^{23} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_9(x) &= x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{131} + x^{130} + x^{127} + x^{125} + x^{120} \\
&\quad + x^{119} + x^{117} + x^{115} + x^{114} + x^{113} + x^{108} + x^{106} + x^{105} + x^{102} \\
&\quad + x^{95} + x^{94} + x^{90} + x^{88} + x^{86} + x^{84} + x^{82} + x^{81} + x^{79} + x^{77} + x^{76} \\
&\quad + x^{75} + x^{73} + x^{72} + x^{71} + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{61} + x^{58} \\
&\quad + x^{57} + x^{56} + x^{52} + x^{51} + x^{49} + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{36} \\
&\quad + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{26} + x^{25} + x^{22} + x^{21} + x^{20} + x^{19} \\
&\quad + x^{18} + x^{17} + x^{13} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{137} + x^{136} + x^{134} + x^{133} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
&\quad + x^{118} + x^{116} + x^{109} + x^{108} + x^{106} + x^{104} + x^{101} + x^{100} + x^{98} + x^{96} \\
&\quad + x^{25} + x^{24} + x^{22} + x^{21} + x^{18} + x^{16} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 \\
&\quad + x^2 + 1,
\end{aligned}$$

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

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

$$p_0(x) = x^{147} + x^{144} + x^{143} + x^{140} + x^{138} + x^{137} + x^{132} + x^{129} + x^{128} + x^{127}$$

$$\begin{aligned}
& + x^{125} + x^{124} + x^{115} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} \\
& + x^{107} + x^{106} + x^{104} + x^{103} + x^{102} + x^{99} + x^{96} + x^{94} + x^{93} + x^{92} \\
& + x^{89} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{78} + x^{77} + x^{72} + x^{70} + x^{68} \\
& + x^{67} + x^{66} + x^{61} + x^{60} + x^{58} + x^{54} + x^{51} + x^{48} + x^{47} + x^{46} + x^{45} \\
& + x^{43} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) = & x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} \\
& + x^{125} + x^{123} + x^{121} + x^{120} + x^{119} + x^{117} + x^{116} + x^{114} + x^{111} \\
& + x^{110} + x^{109} + x^{108} + x^{107} + x^{103} + x^{101} + x^{99} + x^{98} + x^{96} + x^{95} \\
& + x^{94} + x^{90} + x^{89} + x^{86} + x^{85} + x^{84} + x^{81} + x^{78} + x^{77} + x^{76} + x^{73} \\
& + x^{70} + x^{69} + x^{68} + x^{65} + x^{62} + x^{61} + x^{60} + x^{57} + x^{55} + x^{51} + x^{49} \\
& + x^{45} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{32} + x^{30} + x^{29} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{21} + x^{20} + x^{18}, \\
p_6(x) = & x^{141} + x^{140} + x^{138} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
& + x^{128} + x^{125} + x^{123} + x^{121} + x^{120} + x^{116} + x^{109} + x^{108} + x^{107} \\
& + x^{105} + x^{104} + x^{101} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{90} + x^{88} + x^{87} \\
& + x^{85} + x^{83} + x^{82} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{69} + x^{68} + x^{66} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{56} + x^{55} + x^{54} + x^{52} + x^{51} + x^{49} + x^{47} \\
& + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{39} + x^{37} + x^{32} + x^{29} + x^{28} + x^{27} \\
& + x^{23} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{131} + x^{130} + x^{127} + x^{125} + x^{120} \\
& + x^{119} + x^{117} + x^{115} + x^{114} + x^{113} + x^{108} + x^{106} + x^{105} + x^{102} \\
& + x^{95} + x^{94} + x^{90} + x^{88} + x^{86} + x^{84} + x^{82} + x^{81} + x^{79} + x^{77} + x^{76} \\
& + x^{75} + x^{73} + x^{72} + x^{71} + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{61} + x^{58} \\
& + x^{57} + x^{56} + x^{52} + x^{51} + x^{49} + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{36} \\
& + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{26} + x^{25} + x^{22} + x^{21} + x^{20} + x^{19} \\
& + x^{18} + x^{17} + x^{13} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{134} + x^{133} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
& + x^{118} + x^{116} + x^{109} + x^{108} + x^{106} + x^{104} + x^{101} + x^{100} + x^{98} + x^{96} \\
& + x^{25} + x^{24} + x^{22} + x^{21} + x^{18} + x^{16} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 \\
& + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{138} + x^{136} + x^{134} + x^{132} + x^{128} + x^{126} + x^{122} + x^{120} + x^{116} + x^{110} \\
& + x^{104} + x^{98} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} + x^{78} + x^{72} \\
& + x^{66} + x^{62} + x^{58} + x^{56} + x^{52} + x^{46} + x^{44} + x^{42},
\end{aligned}$$

$$\begin{aligned}
p_3(x) &= x^{126} + x^{124} + x^{122} + x^{118} + x^{116} + x^{108} + x^{106} + x^{100} + x^{98} + x^{96} \\
&\quad + x^{92} + x^{90} + x^{88} + x^{84} + x^{82} + x^{78} + x^{76} + x^{74} + x^{68} + x^{66} + x^{60} \\
&\quad + x^{58} + x^{52} + x^{42} + x^{40} + x^{36} + x^{26} + x^{22} + x^{20} + x^{12}, \\
p_6(x) &= x^{126} + x^{124} + x^{120} + x^{114} + x^{96} + x^{94} + x^{92} + x^{88} + x^{82} + x^{72} + x^{70} \\
&\quad + x^{68} + x^{64} + x^{62} + x^{60} + x^{58} + x^{54} + x^{52} + x^{50} + x^{46} + x^{44} + x^{42} \\
&\quad + x^{34} + x^{32} + x^{24} + 1, \\
p_9(x) &= x^{122} + x^{120} + x^{118} + x^{112} + x^{104} + x^{100} + x^{96} + x^{92} + x^{82} + x^{80} \\
&\quad + x^{68} + x^{54} + x^{52} + x^{50} + x^{48} + x^{46} + x^{44} + x^{42} + x^{38} + x^{34} + x^{30} \\
&\quad + x^{24} + x^{22} + x^{16} + x^{14} + x^{12} + x^{10} + x^4, \\
p_{12}(x) &= x^{122} + x^{120} + x^{116} + x^{112} + x^{106} + x^{104} + x^{100} + x^{96} + x^{10} + x^8 + x^4 \\
&\quad + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{138} + x^{136} + x^{134} + x^{132} + x^{130} + x^{126} + x^{124} + x^{120} + x^{118} + x^{114} \\
&\quad + x^{102} + x^{98} + x^{96} + x^{86} + x^{84} + x^{80} + x^{78} + x^{76} + x^{66} + x^{64} + x^{52} \\
&\quad + x^{46} + x^{44} + x^{38} + x^{36} + x^{34} + x^{30} + x^{28} + x^{24}, \\
p_3(x) &= x^{126} + x^{124} + x^{122} + x^{114} + x^{112} + x^{110} + x^{108} + x^{106} + x^{102} + x^{100} \\
&\quad + x^{98} + x^{94} + x^{86} + x^{84} + x^{82} + x^{78} + x^{70} + x^{68} + x^{64} + x^{62} + x^{60} \\
&\quad + x^{56} + x^{50} + x^{48} + x^{46} + x^{44} + x^{40} + x^{36} + x^{32} + x^{30} + x^{26} + x^{24} \\
&\quad + x^{18} + x^{16}, \\
p_6(x) &= x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{92} \\
&\quad + x^{88} + x^{86} + x^{84} + x^{78} + x^{76} + x^{68} + x^{58} + x^{56} + x^{54} + x^{52} + x^{46} \\
&\quad + x^{44} + x^{40} + x^{38} + x^{28} + x^{22} + x^8 + 1, \\
p_9(x) &= x^{122} + x^{120} + x^{118} + x^{112} + x^{104} + x^{100} + x^{96} + x^{92} + x^{82} + x^{80} \\
&\quad + x^{68} + x^{54} + x^{52} + x^{50} + x^{48} + x^{46} + x^{44} + x^{42} + x^{38} + x^{34} + x^{30} \\
&\quad + x^{24} + x^{22} + x^{16} + x^{14} + x^{12} + x^{10} + x^4, \\
p_{12}(x) &= x^{122} + x^{120} + x^{116} + x^{112} + x^{106} + x^{104} + x^{100} + x^{96} + x^{10} + x^8 + x^4 \\
&\quad + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{140} + x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{132} \\
&\quad + x^{129} + x^{127} + x^{126} + x^{125} + x^{123} + x^{122} + x^{117} + x^{114} + x^{110} \\
&\quad + x^{107} + x^{106} + x^{100} + x^{98} + x^{97} + x^{96} + x^{93} + x^{92} + x^{91} + x^{90} + x^{88} \\
&\quad + x^{86} + x^{83} + x^{81} + x^{79} + x^{77} + x^{75} + x^{74} + x^{69} + x^{68} + x^{66} + x^{63} \\
&\quad + x^{60} + x^{54} + x^{52} + x^{50} + x^{48} + x^{46} + x^{43} + x^{41} + x^{38} + x^{37} + x^{36} \\
&\quad + x^{33},
\end{aligned}$$

$$\begin{aligned}
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} \\
&\quad + x^{125} + x^{123} + x^{121} + x^{120} + x^{119} + x^{117} + x^{116} + x^{114} + x^{111} \\
&\quad + x^{110} + x^{109} + x^{108} + x^{107} + x^{103} + x^{101} + x^{99} + x^{98} + x^{96} + x^{95} \\
&\quad + x^{94} + x^{90} + x^{89} + x^{86} + x^{85} + x^{84} + x^{81} + x^{78} + x^{77} + x^{76} + x^{73} \\
&\quad + x^{70} + x^{69} + x^{68} + x^{65} + x^{62} + x^{61} + x^{60} + x^{57} + x^{55} + x^{51} + x^{49} \\
&\quad + x^{45} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{32} + x^{30} + x^{29} + x^{27} \\
&\quad + x^{25} + x^{24} + x^{23} + x^{21} + x^{20} + x^{18}, \\
p_6(x) &= x^{141} + x^{140} + x^{138} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{128} + x^{125} + x^{123} + x^{121} + x^{120} + x^{116} + x^{109} + x^{108} + x^{107} \\
&\quad + x^{105} + x^{104} + x^{101} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{90} + x^{88} + x^{87} \\
&\quad + x^{85} + x^{83} + x^{82} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{69} + x^{68} + x^{66} \\
&\quad + x^{65} + x^{63} + x^{61} + x^{60} + x^{56} + x^{55} + x^{54} + x^{52} + x^{51} + x^{49} + x^{47} \\
&\quad + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{39} + x^{37} + x^{32} + x^{29} + x^{28} + x^{27} \\
&\quad + x^{23} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_9(x) &= x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{131} + x^{130} + x^{127} + x^{125} + x^{120} \\
&\quad + x^{119} + x^{117} + x^{115} + x^{114} + x^{113} + x^{108} + x^{106} + x^{105} + x^{102} \\
&\quad + x^{95} + x^{94} + x^{90} + x^{88} + x^{86} + x^{84} + x^{82} + x^{81} + x^{79} + x^{77} + x^{76} \\
&\quad + x^{75} + x^{73} + x^{72} + x^{71} + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{61} + x^{58} \\
&\quad + x^{57} + x^{56} + x^{52} + x^{51} + x^{49} + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{36} \\
&\quad + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{26} + x^{25} + x^{22} + x^{21} + x^{20} + x^{19} \\
&\quad + x^{18} + x^{17} + x^{13} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) &= x^{137} + x^{136} + x^{134} + x^{133} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
&\quad + x^{118} + x^{116} + x^{109} + x^{108} + x^{106} + x^{104} + x^{101} + x^{100} + x^{98} + x^{96} \\
&\quad + x^{25} + x^{24} + x^{22} + x^{21} + x^{18} + x^{16} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 \\
&\quad + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{140} + x^{139} + x^{138} + x^{137} + x^{134} + x^{133} + x^{132} \\
&\quad + x^{129} + x^{127} + x^{126} + x^{125} + x^{123} + x^{122} + x^{117} + x^{114} + x^{110} \\
&\quad + x^{107} + x^{106} + x^{100} + x^{98} + x^{97} + x^{96} + x^{93} + x^{92} + x^{91} + x^{90} + x^{88} \\
&\quad + x^{86} + x^{83} + x^{81} + x^{79} + x^{77} + x^{75} + x^{74} + x^{69} + x^{68} + x^{66} + x^{63} \\
&\quad + x^{60} + x^{54} + x^{52} + x^{50} + x^{48} + x^{46} + x^{43} + x^{41} + x^{38} + x^{37} + x^{36} \\
&\quad + x^{33}, \\
p_3(x) &= x^{143} + x^{142} + x^{141} + x^{140} + x^{139} + x^{134} + x^{132} + x^{130} + x^{128} + x^{126} \\
&\quad + x^{125} + x^{123} + x^{121} + x^{120} + x^{119} + x^{117} + x^{116} + x^{114} + x^{111}
\end{aligned}$$

$$\begin{aligned}
& + x^{110} + x^{109} + x^{108} + x^{107} + x^{103} + x^{101} + x^{99} + x^{98} + x^{96} + x^{95} \\
& + x^{94} + x^{90} + x^{89} + x^{86} + x^{85} + x^{84} + x^{81} + x^{78} + x^{77} + x^{76} + x^{73} \\
& + x^{70} + x^{69} + x^{68} + x^{65} + x^{62} + x^{61} + x^{60} + x^{57} + x^{55} + x^{51} + x^{49} \\
& + x^{45} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{32} + x^{30} + x^{29} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{21} + x^{20} + x^{18}, \\
p_6(x) = & x^{141} + x^{140} + x^{138} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
& + x^{128} + x^{125} + x^{123} + x^{121} + x^{120} + x^{116} + x^{109} + x^{108} + x^{107} \\
& + x^{105} + x^{104} + x^{101} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{90} + x^{88} + x^{87} \\
& + x^{85} + x^{83} + x^{82} + x^{78} + x^{77} + x^{76} + x^{74} + x^{72} + x^{69} + x^{68} + x^{66} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{56} + x^{55} + x^{54} + x^{52} + x^{51} + x^{49} + x^{47} \\
& + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{39} + x^{37} + x^{32} + x^{29} + x^{28} + x^{27} \\
& + x^{23} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{134} + x^{131} + x^{130} + x^{127} + x^{125} + x^{120} \\
& + x^{119} + x^{117} + x^{115} + x^{114} + x^{113} + x^{108} + x^{106} + x^{105} + x^{102} \\
& + x^{95} + x^{94} + x^{90} + x^{88} + x^{86} + x^{84} + x^{82} + x^{81} + x^{79} + x^{77} + x^{76} \\
& + x^{75} + x^{73} + x^{72} + x^{71} + x^{69} + x^{68} + x^{66} + x^{65} + x^{64} + x^{61} + x^{58} \\
& + x^{57} + x^{56} + x^{52} + x^{51} + x^{49} + x^{44} + x^{43} + x^{41} + x^{39} + x^{38} + x^{36} \\
& + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{26} + x^{25} + x^{22} + x^{21} + x^{20} + x^{19} \\
& + x^{18} + x^{17} + x^{13} + x^{11} + x^9 + x^8 + x^6, \\
p_{12}(x) = & x^{137} + x^{136} + x^{134} + x^{133} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{121} \\
& + x^{118} + x^{116} + x^{109} + x^{108} + x^{106} + x^{104} + x^{101} + x^{100} + x^{98} + x^{96} \\
& + x^{25} + x^{24} + x^{22} + x^{21} + x^{18} + x^{16} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 \\
& + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{154} + x^{152} + x^{150} + x^{148} + x^{142} + x^{140} + x^{136} + x^{132} + x^{130} \\
& + x^{126} + x^{122} + x^{118} + x^{112} + x^{108} + x^{98} + x^{96} + x^{94} + x^{88} + x^{86} \\
& + x^{84} + x^{82} + x^{66} + x^{60} + x^{56} + x^{54} + x^{52} + x^{46} + x^{42}, \\
p_3(x) = & x^{150} + x^{144} + x^{136} + x^{130} + x^{128} + x^{124} + x^{122} + x^{120} + x^{116} + x^{114} \\
& + x^{112} + x^{110} + x^{106} + x^{98} + x^{96} + x^{94} + x^{92} + x^{88} + x^{86} + x^{84} + x^{78} \\
& + x^{70} + x^{64} + x^{62} + x^{60} + x^{58} + x^{56} + x^{48} + x^{42} + x^{36} + x^{34} + x^{26} \\
& + x^{16} + x^{12}, \\
p_6(x) = & x^{150} + x^{148} + x^{146} + x^{144} + x^{120} + x^{116} + x^{114} + x^{110} + x^{106} + x^{104} \\
& + x^{100} + x^{98} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} + x^{78} + x^{72} \\
& + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} + x^{58} + x^{56} + x^{52} + x^{50} + x^{44} + x^{40}
\end{aligned}$$

$$\begin{aligned}
& + x^{36} + x^{32} + x^{24} + x^{20} + x^{18} + x^{16} + x^{12} + x^{10} + x^4 + 1, \\
p_9(x) = & x^{152} + x^{148} + x^{144} + x^{142} + x^{136} + x^{132} + x^{130} + x^{126} + x^{124} + x^{118} \\
& + x^{112} + x^{104} + x^{102} + x^{100} + x^{96} + x^{92} + x^{90} + x^{82} + x^{80} + x^{76} \\
& + x^{74} + x^{72} + x^{70} + x^{66} + x^{64} + x^{60} + x^{56} + x^{54} + x^{50} + x^{48} + x^{42} \\
& + x^{40} + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} + x^{18} + x^{16} + x^{14} + x^{12} + x^{10} \\
& + x^8 + x^4, \\
p_{12}(x) = & x^{152} + x^{144} + x^{136} + x^{96} + x^{40} + x^{32} + x^{16} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{144} + x^{141} + x^{140} + x^{137} + x^{134} + x^{133} + x^{131} + x^{127} + x^{121} \\
& + x^{120} + x^{117} + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} \\
& + x^{105} + x^{103} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} + x^{93} + x^{92} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{80} + x^{79} + x^{78} + x^{74} + x^{73} + x^{72} \\
& + x^{66} + x^{65} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} \\
& + x^{49} + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{34} + x^{33} + x^{31} + x^{29} + x^{26} \\
& + x^{24}, \\
p_3(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{139} + x^{137} + x^{134} + x^{131} + x^{127} \\
& + x^{126} + x^{125} + x^{123} + x^{122} + x^{120} + x^{119} + x^{117} + x^{116} + x^{114} \\
& + x^{113} + x^{109} + x^{108} + x^{106} + x^{104} + x^{99} + x^{97} + x^{96} + x^{95} + x^{91} \\
& + x^{90} + x^{89} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{79} + x^{78} + x^{77} + x^{73} \\
& + x^{71} + x^{70} + x^{68} + x^{67} + x^{64} + x^{63} + x^{62} + x^{59} + x^{57} + x^{55} + x^{54} \\
& + x^{53} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} \\
& + x^{38} + x^{37} + x^{36} + x^{35} + x^{32} + x^{31} + x^{30} + x^{28} + x^{26} + x^{25} + x^{23} \\
& + x^{21} + x^{18} + x^{16}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} + x^{133} \\
& + x^{132} + x^{130} + x^{126} + x^{125} + x^{124} + x^{122} + x^{119} + x^{118} + x^{117} \\
& + x^{114} + x^{107} + x^{106} + x^{105} + x^{104} + x^{100} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{89} + x^{87} + x^{84} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} \\
& + x^{71} + x^{67} + x^{66} + x^{65} + x^{64} + x^{60} + x^{59} + x^{55} + x^{50} + x^{49} + x^{48} \\
& + x^{47} + x^{45} + x^{41} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} \\
& + x^{28} + x^{26} + x^{25} + x^{22} + x^{18} + x^{17} + x^{15} + x^{12} + x^5 + x^4 + x^2 + 1, \\
p_9(x) = & x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{137} + x^{134} + x^{133} + x^{130} + x^{129} \\
& + x^{126} + x^{124} + x^{121} + x^{120} + x^{118} + x^{117} + x^{114} + x^{112} + x^{109} \\
& + x^{108} + x^{106} + x^{104} + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{25} + x^{22} + x^{21} \\
& + x^{18} + x^{16} + x^{13} + x^{12} + x^{10} + x^8,
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{136} + x^{129} + x^{128} + x^{126} + x^{125} \\
& + x^{122} + x^{120} + x^{117} + x^{116} + x^{114} + x^{112} + x^{101} + x^{100} + x^{98} + x^{96} \\
& + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{24} + x^5 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{144} + x^{141} + x^{140} + x^{137} + x^{133} + x^{132} + x^{131} + x^{130} + x^{128} \\
& + x^{125} + x^{120} + x^{115} + x^{114} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} \\
& + x^{105} + x^{102} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} + x^{92} + x^{91} + x^{88} + x^{87} \\
& + x^{82} + x^{81} + x^{79} + x^{77} + x^{74} + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} + x^{59} \\
& + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{50} + x^{49} + x^{47} + x^{46} + x^{41} \\
& + x^{40} + x^{37} + x^{34} + x^{33},
\end{aligned}$$

$$\begin{aligned}
p_3(x) = & x^{134} + x^{132} + x^{131} + x^{126} + x^{123} + x^{119} + x^{117} + x^{114} + x^{102} + x^{100} \\
& + x^{99} + x^{92} + x^{87} + x^{85} + x^{84} + x^{82} + x^{79} + x^{77} + x^{76} + x^{74} + x^{71} \\
& + x^{69} + x^{68} + x^{66} + x^{63} + x^{61} + x^{60} + x^{58} + x^{55} + x^{53} + x^{52} + x^{50} \\
& + x^{47} + x^{46} + x^{45} + x^{43} + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} \\
& + x^{30} + x^{27} + x^{23} + x^{21} + x^{18},
\end{aligned}$$

$$\begin{aligned}
p_6(x) = & x^{136} + x^{130} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{104} + x^{102} \\
& + x^{100} + x^{96} + x^{92} + x^{86} + x^{82} + x^{80} + x^{78} + x^{72} + x^{64} + x^{60} + x^{58} \\
& + x^{56} + x^{50} + x^{46} + x^{44} + x^{42} + x^{40} + x^{38} + x^{34} + x^{32} + x^{24} + x^{22} \\
& + x^{18} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_9(x) = & x^{138} + x^{136} + x^{135} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} + x^{124} + x^{123} \\
& + x^{122} + x^{121} + x^{120} + x^{119} + x^{115} + x^{114} + x^{113} + x^{112} + x^{108} \\
& + x^{107} + x^{105} + x^{102} + x^{26} + x^{24} + x^{23} + x^{22} + x^{19} + x^{18} + x^{17} + x^{16} \\
& + x^{12} + x^{11} + x^9 + x^6,
\end{aligned}$$

$$p_{12}(x) = x^{140} + x^{136} + x^{124} + x^{120} + x^{112} + x^{96} + x^{28} + x^{24} + 1,$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{153} + x^{148} + x^{147} + x^{146} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} \\
& + x^{134} + x^{129} + x^{128} + x^{123} + x^{117} + x^{116} + x^{114} + x^{113} + x^{112} \\
& + x^{110} + x^{107} + x^{106} + x^{105} + x^{98} + x^{97} + x^{96} + x^{94} + x^{93} + x^{90} \\
& + x^{88} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{75} + x^{71} + x^{69} + x^{66} + x^{65} \\
& + x^{64} + x^{61} + x^{59} + x^{58} + x^{54} + x^{50} + x^{49} + x^{45} + x^{44} + x^{43} + x^{41} \\
& + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{33},
\end{aligned}$$

$$\begin{aligned}
p_3(x) = & x^{154} + x^{152} + x^{151} + x^{150} + x^{148} + x^{147} + x^{146} + x^{143} + x^{140} + x^{139} \\
& + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{130} + x^{127} + x^{126} + x^{125}
\end{aligned}$$

$$\begin{aligned}
& + x^{123} + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{112} + x^{110} \\
& + x^{105} + x^{104} + x^{103} + x^{101} + x^{100} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} \\
& + x^{91} + x^{89} + x^{88} + x^{87} + x^{86} + x^{85} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} \\
& + x^{68} + x^{67} + x^{65} + x^{61} + x^{57} + x^{56} + x^{54} + x^{53} + x^{47} + x^{46} + x^{44} \\
& + x^{41} + x^{38} + x^{36} + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{23} + x^{21} + x^{18}, \\
p_6(x) = & x^{156} + x^{152} + x^{150} + x^{148} + x^{144} + x^{142} + x^{130} + x^{124} + x^{122} + x^{120} \\
& + x^{116} + x^{112} + x^{110} + x^{106} + x^{102} + x^{100} + x^{90} + x^{84} + x^{82} + x^{74} \\
& + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{60} + x^{54} + x^{50} + x^{42} + x^{40} + x^{38} \\
& + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{12}, \\
p_9(x) = & x^{158} + x^{156} + x^{155} + x^{152} + x^{149} + x^{148} + x^{147} + x^{145} + x^{144} + x^{141} \\
& + x^{139} + x^{138} + x^{136} + x^{135} + x^{133} + x^{131} + x^{130} + x^{129} + x^{125} \\
& + x^{123} + x^{122} + x^{121} + x^{119} + x^{118} + x^{116} + x^{114} + x^{112} + x^{110} \\
& + x^{108} + x^{107} + x^{105} + x^{102} + x^{46} + x^{44} + x^{43} + x^{40} + x^{37} + x^{36} \\
& + x^{35} + x^{33} + x^{32} + x^{30} + x^{29} + x^{28} + x^{26} + x^{23} + x^{20} + x^{18} + x^{16} \\
& + x^{14} + x^{12} + x^{11} + x^9 + x^6, \\
p_{12}(x) = & x^{160} + x^{152} + x^{148} + x^{140} + x^{124} + x^{116} + x^{104} + x^{96} + x^{48} + x^{40} \\
& + x^{36} + x^{32} + x^{28} + x^{24} + x^{20} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{139} + x^{136} + x^{134} + x^{133} + x^{132} + x^{125} + x^{124} + x^{123} \\
& + x^{122} + x^{121} + x^{118} + x^{117} + x^{113} + x^{112} + x^{109} + x^{108} + x^{107} \\
& + x^{106} + x^{104} + x^{103} + x^{102} + x^{100} + x^{96} + x^{95} + x^{93} + x^{91} + x^{88} \\
& + x^{86} + x^{81} + x^{79} + x^{78} + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} + x^{69} \\
& + x^{67} + x^{65} + x^{64} + x^{63} + x^{62} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{51} \\
& + x^{50} + x^{49} + x^{46} + x^{45} + x^{43} + x^{42}, \\
p_3(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{139} + x^{138} + x^{135} + x^{134} + x^{133} \\
& + x^{132} + x^{130} + x^{129} + x^{128} + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} \\
& + x^{119} + x^{118} + x^{116} + x^{113} + x^{112} + x^{105} + x^{104} + x^{103} + x^{97} + x^{95} \\
& + x^{94} + x^{93} + x^{92} + x^{90} + x^{88} + x^{86} + x^{85} + x^{83} + x^{79} + x^{78} + x^{77} \\
& + x^{76} + x^{75} + x^{74} + x^{71} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{60} \\
& + x^{58} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} \\
& + x^{39} + x^{37} + x^{33} + x^{32} + x^{29} + x^{26} + x^{23} + x^{22}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{139} + x^{138} + x^{134} + x^{133} + x^{132} \\
& + x^{131} + x^{130} + x^{128} + x^{123} + x^{122} + x^{119} + x^{117} + x^{114} + x^{113}
\end{aligned}$$

$$\begin{aligned}
& + x^{112} + x^{110} + x^{109} + x^{106} + x^{105} + x^{104} + x^{102} + x^{100} + x^{94} + x^{90} \\
& + x^{88} + x^{86} + x^{85} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} \\
& + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} \\
& + x^{59} + x^{56} + x^{54} + x^{53} + x^{51} + x^{49} + x^{48} + x^{43} + x^{42} + x^{41} + x^{38} \\
& + x^{35} + x^{31} + x^{30} + x^{27} + x^{23} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{10} \\
& + x^8 + x^5 + x^4 + x^2 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{137} + x^{134} + x^{133} + x^{130} + x^{129} \\
& + x^{126} + x^{124} + x^{121} + x^{120} + x^{118} + x^{117} + x^{114} + x^{112} + x^{109} \\
& + x^{108} + x^{106} + x^{104} + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{25} + x^{22} + x^{21} \\
& + x^{18} + x^{16} + x^{13} + x^{12} + x^{10} + x^8, \\
p_{12}(x) &= x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{136} + x^{129} + x^{128} + x^{126} + x^{125} \\
& + x^{122} + x^{120} + x^{117} + x^{116} + x^{114} + x^{112} + x^{101} + x^{100} + x^{98} + x^{96} \\
& + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{24} + x^5 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{144} + x^{141} + x^{140} + x^{137} + x^{134} + x^{133} + x^{131} + x^{127} + x^{121} \\
& + x^{120} + x^{117} + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} + x^{106} \\
& + x^{105} + x^{103} + x^{102} + x^{100} + x^{98} + x^{97} + x^{96} + x^{93} + x^{92} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{80} + x^{79} + x^{78} + x^{74} + x^{73} + x^{72} \\
& + x^{66} + x^{65} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{50} \\
& + x^{49} + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{34} + x^{33} + x^{31} + x^{29} + x^{26} \\
& + x^{24}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{139} + x^{137} + x^{134} + x^{131} + x^{127} \\
& + x^{126} + x^{125} + x^{123} + x^{122} + x^{120} + x^{119} + x^{117} + x^{116} + x^{114} \\
& + x^{113} + x^{109} + x^{108} + x^{106} + x^{104} + x^{99} + x^{97} + x^{96} + x^{95} + x^{91} \\
& + x^{90} + x^{89} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{79} + x^{78} + x^{77} + x^{73} \\
& + x^{71} + x^{70} + x^{68} + x^{67} + x^{64} + x^{63} + x^{62} + x^{59} + x^{57} + x^{55} + x^{54} \\
& + x^{53} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} \\
& + x^{38} + x^{37} + x^{36} + x^{35} + x^{32} + x^{31} + x^{30} + x^{28} + x^{26} + x^{25} + x^{23} \\
& + x^{21} + x^{18} + x^{16}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{139} + x^{137} + x^{135} + x^{134} + x^{133} \\
& + x^{132} + x^{130} + x^{126} + x^{125} + x^{124} + x^{122} + x^{119} + x^{118} + x^{117} \\
& + x^{114} + x^{107} + x^{106} + x^{105} + x^{104} + x^{100} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{89} + x^{87} + x^{84} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} \\
& + x^{71} + x^{67} + x^{66} + x^{65} + x^{64} + x^{60} + x^{59} + x^{55} + x^{50} + x^{49} + x^{48}
\end{aligned}$$

$$\begin{aligned}
& + x^{47} + x^{45} + x^{41} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} \\
& + x^{28} + x^{26} + x^{25} + x^{22} + x^{18} + x^{17} + x^{15} + x^{12} + x^5 + x^4 + x^2 + 1, \\
p_9(x) = & x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{137} + x^{134} + x^{133} + x^{130} + x^{129} \\
& + x^{126} + x^{124} + x^{121} + x^{120} + x^{118} + x^{117} + x^{114} + x^{112} + x^{109} \\
& + x^{108} + x^{106} + x^{104} + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{25} + x^{22} + x^{21} \\
& + x^{18} + x^{16} + x^{13} + x^{12} + x^{10} + x^8, \\
p_{12}(x) = & x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{136} + x^{129} + x^{128} + x^{126} + x^{125} \\
& + x^{122} + x^{120} + x^{117} + x^{116} + x^{114} + x^{112} + x^{101} + x^{100} + x^{98} + x^{96} \\
& + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{24} + x^5 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{153} + x^{148} + x^{147} + x^{146} + x^{144} + x^{143} + x^{142} + x^{141} + x^{140} \\
& + x^{134} + x^{129} + x^{128} + x^{123} + x^{117} + x^{116} + x^{114} + x^{113} + x^{112} \\
& + x^{110} + x^{107} + x^{106} + x^{105} + x^{98} + x^{97} + x^{96} + x^{94} + x^{93} + x^{90} \\
& + x^{88} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{75} + x^{71} + x^{69} + x^{66} + x^{65} \\
& + x^{64} + x^{61} + x^{59} + x^{58} + x^{54} + x^{50} + x^{49} + x^{45} + x^{44} + x^{43} + x^{41} \\
& + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{154} + x^{152} + x^{151} + x^{150} + x^{148} + x^{147} + x^{146} + x^{143} + x^{140} + x^{139} \\
& + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{130} + x^{127} + x^{126} + x^{125} \\
& + x^{123} + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{112} + x^{110} \\
& + x^{105} + x^{104} + x^{103} + x^{101} + x^{100} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} \\
& + x^{91} + 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^{65} + x^{61} + x^{57} + x^{56} + x^{54} + x^{53} + x^{47} + x^{46} + x^{44} \\
& + x^{41} + x^{38} + x^{36} + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{23} + x^{21} + x^{18}, \\
p_6(x) = & x^{156} + x^{152} + x^{150} + x^{148} + x^{144} + x^{142} + x^{130} + x^{124} + x^{122} + x^{120} \\
& + x^{116} + x^{112} + x^{110} + x^{106} + x^{102} + x^{100} + x^{90} + x^{84} + x^{82} + x^{74} \\
& + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{60} + x^{54} + x^{50} + x^{42} + x^{40} + x^{38} \\
& + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{12}, \\
p_9(x) = & x^{158} + x^{156} + x^{155} + x^{152} + x^{149} + x^{148} + x^{147} + x^{145} + x^{144} + x^{141} \\
& + x^{139} + x^{138} + x^{136} + x^{135} + x^{133} + x^{131} + x^{130} + x^{129} + x^{125} \\
& + x^{123} + x^{122} + x^{121} + x^{119} + x^{118} + x^{116} + x^{114} + x^{112} + x^{110} \\
& + x^{108} + x^{107} + x^{105} + x^{102} + x^{46} + x^{44} + x^{43} + x^{40} + x^{37} + x^{36} \\
& + x^{35} + x^{33} + x^{32} + x^{30} + x^{29} + x^{28} + x^{26} + x^{23} + x^{20} + x^{18} + x^{16} \\
& + x^{14} + x^{12} + x^{11} + x^9 + x^6,
\end{aligned}$$

$$p_{12}(x) = x^{160} + x^{152} + x^{148} + x^{140} + x^{124} + x^{116} + x^{104} + x^{96} + x^{48} + x^{40} \\ + x^{36} + x^{32} + x^{28} + x^{24} + x^{20} + x^{16} + x^8 + 1,$$

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

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

$$p_0(x) = x^{148} + x^{144} + x^{141} + x^{140} + x^{137} + x^{133} + x^{132} + x^{131} + x^{130} + x^{128} \\ + x^{125} + x^{120} + x^{115} + x^{114} + x^{112} + x^{110} + x^{109} + x^{108} + x^{107} \\ + x^{105} + x^{102} + x^{100} + x^{99} + x^{97} + x^{95} + x^{94} + x^{92} + x^{91} + x^{88} + x^{87} \\ + x^{82} + x^{81} + x^{79} + x^{77} + x^{74} + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} + x^{59} \\ + x^{58} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{50} + x^{49} + x^{47} + x^{46} + x^{41} \\ + x^{40} + x^{37} + x^{34} + x^{33}, \\ p_3(x) = x^{134} + x^{132} + x^{131} + x^{126} + x^{123} + x^{119} + x^{117} + x^{114} + x^{102} + x^{100} \\ + x^{99} + x^{92} + x^{87} + x^{85} + x^{84} + x^{82} + x^{79} + x^{77} + x^{76} + x^{74} + x^{71} \\ + x^{69} + x^{68} + x^{66} + x^{63} + x^{61} + x^{60} + x^{58} + x^{55} + x^{53} + x^{52} + x^{50} \\ + x^{47} + x^{46} + x^{45} + x^{43} + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} \\ + x^{30} + x^{27} + x^{23} + x^{21} + x^{18}, \\ p_6(x) = x^{136} + x^{130} + x^{128} + x^{126} + x^{124} + x^{120} + x^{118} + x^{116} + x^{104} + x^{102} \\ + x^{100} + x^{96} + x^{92} + x^{86} + x^{82} + x^{80} + x^{78} + x^{72} + x^{64} + x^{60} + x^{58} \\ + x^{56} + x^{50} + x^{46} + x^{44} + x^{42} + x^{40} + x^{38} + x^{34} + x^{32} + x^{24} + x^{22} \\ + x^{18} + x^{12}, \\ p_9(x) = x^{138} + x^{136} + x^{135} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} + x^{124} + x^{123} \\ + x^{122} + x^{121} + x^{120} + x^{119} + x^{115} + x^{114} + x^{113} + x^{112} + x^{108} \\ + x^{107} + x^{105} + x^{102} + x^{26} + x^{24} + x^{23} + x^{22} + x^{19} + x^{18} + x^{17} + x^{16} \\ + x^{12} + x^{11} + x^9 + x^6, \\ p_{12}(x) = x^{140} + x^{136} + x^{124} + x^{120} + x^{112} + x^{96} + x^{28} + x^{24} + 1,$$

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

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

$$p_0(x) = x^{147} + x^{145} + x^{139} + x^{136} + x^{134} + x^{133} + x^{132} + x^{125} + x^{124} + x^{123} \\ + x^{122} + x^{121} + x^{118} + x^{117} + x^{113} + x^{112} + x^{109} + x^{108} + x^{107} \\ + x^{106} + x^{104} + x^{103} + x^{102} + x^{100} + x^{96} + x^{95} + x^{93} + x^{91} + x^{88} \\ + x^{86} + x^{81} + x^{79} + x^{78} + x^{77} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} + x^{69} \\ + x^{67} + x^{65} + x^{64} + x^{63} + x^{62} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{51} \\ + x^{50} + x^{49} + x^{46} + x^{45} + x^{43} + x^{42}, \\ p_3(x) = x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{139} + x^{138} + x^{135} + x^{134} + x^{133} \\ + x^{132} + x^{130} + x^{129} + x^{128} + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} \\ + x^{119} + x^{118} + x^{116} + x^{113} + x^{112} + x^{105} + x^{104} + x^{103} + x^{97} + x^{95}$$

$$\begin{aligned}
& + x^{94} + x^{93} + x^{92} + x^{90} + x^{88} + x^{86} + x^{85} + x^{83} + x^{79} + x^{78} + x^{77} \\
& + x^{76} + x^{75} + x^{74} + x^{71} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{60} \\
& + x^{58} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} \\
& + x^{39} + x^{37} + x^{33} + x^{32} + x^{29} + x^{26} + x^{23} + x^{22}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{142} + x^{141} + x^{139} + x^{138} + x^{134} + x^{133} + x^{132} \\
& + x^{131} + x^{130} + x^{128} + x^{123} + x^{122} + x^{119} + x^{117} + x^{114} + x^{113} \\
& + x^{112} + x^{110} + x^{109} + x^{106} + x^{105} + x^{104} + x^{102} + x^{100} + x^{94} + x^{90} \\
& + x^{88} + x^{86} + x^{85} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{76} + x^{75} \\
& + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} + x^{67} + x^{65} + x^{63} + x^{62} + x^{61} + x^{60} \\
& + x^{59} + x^{56} + x^{54} + x^{53} + x^{51} + x^{49} + x^{48} + x^{43} + x^{42} + x^{41} + x^{38} \\
& + x^{35} + x^{31} + x^{30} + x^{27} + x^{23} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{10} \\
& + x^8 + x^5 + x^4 + x^2 + 1, \\
p_9(x) = & x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{137} + x^{134} + x^{133} + x^{130} + x^{129} \\
& + x^{126} + x^{124} + x^{121} + x^{120} + x^{118} + x^{117} + x^{114} + x^{112} + x^{109} \\
& + x^{108} + x^{106} + x^{104} + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{25} + x^{22} + x^{21} \\
& + x^{18} + x^{16} + x^{13} + x^{12} + x^{10} + x^8, \\
p_{12}(x) = & x^{145} + x^{144} + x^{142} + x^{141} + x^{138} + x^{136} + x^{129} + x^{128} + x^{126} + x^{125} \\
& + x^{122} + x^{120} + x^{117} + x^{116} + x^{114} + x^{112} + x^{101} + x^{100} + x^{98} + x^{96} \\
& + x^{33} + x^{32} + x^{30} + x^{29} + x^{26} + x^{24} + x^5 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

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

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	3073	[5112, 3482]	6146	[8587, 8588]	9219	[10996, 7285]
1	[3, 4]	3074	[5113, 3770]	6147	[3346, 4148]	9220	[2156, 572]
2	[5, 6]	3075	[4089, 5114]	6148	[8589, 22]	9221	[10997, 7291]
3	[7, 8]	3076	[5115, 5116]	6149	[7913, 3191]	9222	[1907, 2260]
4	[9, 10]	3077	[1434, 353]	6150	[8590, 8591]	9223	[10946, 10998]
5	[11, 12]	3078	[5117, 5118]	6151	[8592, 4567]	9224	[9805, 6616]
6	[13, 14]	3079	[5119, 4617]	6152	[8593, 1131]	9225	[10999, 5350]
7	[15, 16]	3080	[5120, 5121]	6153	[72, 8594]	9226	[11000, 5947]
8	[17, 18]	3081	[5122, 5123]	6154	[8595, 8596]	9227	[1842, 6983]
9	[19, 20]	3082	[5124, 5125]	6155	[8597, 4711]	9228	[11001, 2555]
10	[21, 22]	3083	[5126, 4258]	6156	[276, 4810]	9229	[809, 497]
11	[23, 24]	3084	[3307, 5127]	6157	[8016, 8549]	9230	[11002, 7229]
12	[25, 26]	3085	[3308, 5128]	6158	[8598, 4514]	9231	[11003, 6456]
13	[27, 28]	3086	[5129, 5130]	6159	[1615, 8599]	9232	[10614, 11004]
14	[29, 30]	3087	[5131, 5132]	6160	[1162, 7983]	9233	[2126, 5311]

15	[31, 32]	3088	[5133, 5134]	6161	[8600, 7881]	9234	[11005, 5270]
16	[33, 34]	3089	[5135, 5136]	6162	[8601, 8602]	9235	[1824, 11006]
17	[35, 36]	3090	[5137, 4442]	6163	[4398, 8603]	9236	[11007, 11008]
18	[37, 38]	3091	[4062, 285]	6164	[8604, 3455]	9237	[6416, 2886]
19	[39, 40]	3092	[360, 5138]	6165	[8605, 8606]	9238	[11009, 7131]
20	[41, 42]	3093	[5139, 5140]	6166	[8607, 8608]	9239	[5894, 210]
21	[43, 44]	3094	[5141, 5142]	6167	[8609, 8610]	9240	[11010, 11011]
22	[45, 46]	3095	[92, 5143]	6168	[8611, 8612]	9241	[11012, 6904]
23	[47, 48]	3096	[5144, 1217]	6169	[8613, 3298]	9242	[2833, 7419]
24	[49, 50]	3097	[5145, 954]	6170	[8614, 4793]	9243	[11013, 11014]
25	[51, 52]	3098	[5146, 5147]	6171	[8615, 8552]	9244	[11015, 5748]
26	[53, 54]	3099	[4051, 4411]	6172	[1488, 4742]	9245	[7300, 11016]
27	[55, 56]	3100	[5148, 350]	6173	[5088, 364]	9246	[11017, 666]
28	[57, 58]	3101	[4191, 5149]	6174	[8616, 8617]	9247	[10318, 5249]
29	[59, 60]	3102	[5150, 5151]	6175	[8618, 8619]	9248	[7017, 5483]
30	[61, 62]	3103	[5152, 5153]	6176	[3935, 1497]	9249	[11018, 11019]
31	[63, 64]	3104	[5154, 5155]	6177	[8620, 374]	9250	[10505, 9849]
32	[65, 66]	3105	[5156, 5157]	6178	[3952, 5011]	9251	[719, 10648]
33	[67, 68]	3106	[5158, 3914]	6179	[1106, 8621]	9252	[6953, 5904]
34	[69, 70]	3107	[3655, 5159]	6180	[8622, 4939]	9253	[777, 7392]
35	[71, 72]	3108	[5160, 3524]	6181	[8623, 3504]	9254	[11020, 6410]
36	[73, 74]	3109	[5161, 4888]	6182	[8624, 4972]	9255	[10360, 10753]
37	[75, 76]	3110	[305, 1467]	6183	[4023, 28]	9256	[11021, 11022]
38	[77, 78]	3111	[5162, 5163]	6184	[3381, 8625]	9257	[2023, 2394]
39	[79, 80]	3112	[5164, 5165]	6185	[4500, 4699]	9258	[6676, 5413]
40	[81, 76]	3113	[4710, 5166]	6186	[7628, 1548]	9259	[9921, 7211]
41	[82, 83]	3114	[5167, 3691]	6187	[8626, 8627]	9260	[10773, 6296]
42	[84, 85]	3115	[5168, 1273]	6188	[7748, 8461]	9261	[3071, 11023]
43	[86, 87]	3116	[5096, 5169]	6189	[1192, 8628]	9262	[11024, 2441]
44	[88, 89]	3117	[4467, 3344]	6190	[3219, 8629]	9263	[6655, 3011]
45	[90, 91]	3118	[5170, 5171]	6191	[8630, 4499]	9264	[7112, 6292]
46	[92, 93]	3119	[5172, 3952]	6192	[8631, 8632]	9265	[11025, 2466]
47	[94, 95]	3120	[5173, 3917]	6193	[8633, 4836]	9266	[7515, 11026]
48	[96, 97]	3121	[5174, 260]	6194	[8634, 8635]	9267	[2130, 2423]
49	[98, 99]	3122	[1620, 5175]	6195	[3629, 8636]	9268	[7062, 213]
50	[100, 101]	3123	[5176, 5177]	6196	[8637, 5123]	9269	[6001, 9778]
51	[102, 103]	3124	[5178, 5179]	6197	[8638, 7906]	9270	[6658, 568]
52	[104, 105]	3125	[5180, 5181]	6198	[4992, 1199]	9271	[7107, 11027]
53	[106, 107]	3126	[5182, 3757]	6199	[8639, 7646]	9272	[7390, 11028]
54	[108, 109]	3127	[5183, 3839]	6200	[1552, 4515]	9273	[11029, 6376]
55	[110, 111]	3128	[5184, 4629]	6201	[8553, 8640]	9274	[11030, 7371]
56	[112, 113]	3129	[5185, 5097]	6202	[8641, 5182]	9275	[10019, 2798]
57	[114, 115]	3130	[5186, 1661]	6203	[8642, 5183]	9276	[11031, 5581]
58	[116, 117]	3131	[5187, 5188]	6204	[4785, 4537]	9277	[6825, 2595]

59	[118, 119]	3132	[5189, 5190]	6205	[8643, 7873]	9278	[1816, 10492]
60	[120, 121]	3133	[4313, 5191]	6206	[8644, 8442]	9279	[7416, 5918]
61	[122, 123]	3134	[5192, 4863]	6207	[8645, 4149]	9280	[11032, 11033]
62	[124, 125]	3135	[5193, 3324]	6208	[8646, 8647]	9281	[1818, 2957]
63	[126, 127]	3136	[5194, 1497]	6209	[8648, 8649]	9282	[11034, 5395]
64	[128, 129]	3137	[5195, 5196]	6210	[8650, 8651]	9283	[11035, 7332]
65	[130, 131]	3138	[4042, 5197]	6211	[8652, 3792]	9284	[9775, 6888]
66	[132, 133]	3139	[64, 4106]	6212	[8653, 3812]	9285	[7496, 11036]
67	[134, 135]	3140	[5198, 5199]	6213	[8654, 1705]	9286	[137, 7175]
68	[136, 137]	3141	[5200, 5201]	6214	[8608, 8494]	9287	[11037, 11038]
69	[138, 139]	3142	[5159, 5202]	6215	[8655, 8656]	9288	[2762, 2040]
70	[140, 141]	3143	[5203, 5204]	6216	[4870, 327]	9289	[11039, 5777]
71	[142, 143]	3144	[3175, 5205]	6217	[3566, 406]	9290	[9915, 5973]
72	[144, 145]	3145	[5206, 5207]	6218	[8657, 8658]	9291	[11040, 11041]
73	[146, 147]	3146	[5208, 5072]	6219	[8156, 1569]	9292	[11042, 2672]
74	[148, 149]	3147	[5209, 1193]	6220	[1232, 8659]	9293	[11043, 11044]
75	[150, 151]	3148	[5210, 5211]	6221	[7893, 8660]	9294	[600, 5753]
76	[152, 153]	3149	[5212, 5213]	6222	[8661, 3519]	9295	[1803, 2922]
77	[154, 155]	3150	[4690, 5214]	6223	[972, 8662]	9296	[5884, 2328]
78	[156, 157]	3151	[5215, 5216]	6224	[8663, 8664]	9297	[7461, 5527]
79	[158, 159]	3152	[5217, 1740]	6225	[8665, 8666]	9298	[2456, 11045]
80	[160, 161]	3153	[5218, 1521]	6226	[8667, 8668]	9299	[2655, 1795]
81	[162, 163]	3154	[5219, 5220]	6227	[8669, 1324]	9300	[5349, 11046]
82	[164, 165]	3155	[5221, 300]	6228	[3847, 8670]	9301	[6474, 7158]
83	[166, 167]	3156	[3528, 5222]	6229	[8671, 7913]	9302	[9985, 5822]
84	[168, 169]	3157	[3073, 1972]	6230	[8672, 8673]	9303	[11047, 6551]
85	[170, 171]	3158	[5223, 5224]	6231	[8674, 7710]	9304	[2684, 5522]
86	[172, 173]	3159	[5225, 5226]	6232	[8675, 1232]	9305	[7205, 7438]
87	[174, 175]	3160	[5227, 5228]	6233	[8676, 1510]	9306	[11048, 11049]
88	[176, 177]	3161	[5229, 5230]	6234	[8677, 8678]	9307	[3091, 6874]
89	[178, 179]	3162	[3062, 5231]	6235	[7598, 8679]	9308	[11050, 10542]
90	[180, 181]	3163	[5232, 5233]	6236	[8680, 3992]	9309	[11051, 11052]
91	[182, 183]	3164	[5234, 2498]	6237	[8681, 1268]	9310	[11053, 2681]
92	[184, 185]	3165	[1885, 1864]	6238	[8682, 1257]	9311	[5784, 2600]
93	[186, 187]	3166	[5235, 5236]	6239	[7830, 5193]	9312	[9986, 11054]
94	[188, 189]	3167	[2794, 1892]	6240	[8683, 1473]	9313	[10548, 2778]
95	[190, 191]	3168	[5237, 5238]	6241	[8684, 4721]	9314	[11055, 2036]
96	[192, 193]	3169	[5239, 5240]	6242	[8439, 8685]	9315	[11056, 1968]
97	[194, 195]	3170	[5241, 5242]	6243	[8686, 8687]	9316	[10756, 47]
98	[196, 197]	3171	[5243, 2575]	6244	[8688, 8689]	9317	[689, 11057]
99	[198, 199]	3172	[5244, 1847]	6245	[8690, 4580]	9318	[712, 2060]
100	[200, 201]	3173	[5245, 5246]	6246	[8691, 8692]	9319	[11058, 11059]
101	[202, 203]	3174	[5247, 5248]	6247	[3410, 4309]	9320	[10208, 6737]
102	[204, 205]	3175	[5249, 5250]	6248	[8693, 4503]	9321	[11060, 1809]

103	[206, 207]	3176	[5251, 5252]	6249	[8694, 1074]	9322	[10674, 841]
104	[208, 209]	3177	[5253, 609]	6250	[1399, 368]	9323	[887, 11061]
105	[210, 211]	3178	[1983, 5254]	6251	[8695, 1198]	9324	[10560, 11062]
106	[212, 213]	3179	[1957, 5255]	6252	[7824, 3274]	9325	[11063, 6628]
107	[214, 215]	3180	[5256, 5257]	6253	[3244, 8696]	9326	[912, 9881]
108	[216, 217]	3181	[5258, 5259]	6254	[442, 8697]	9327	[921, 11064]
109	[218, 219]	3182	[2896, 5260]	6255	[8698, 8131]	9328	[11065, 11066]
110	[220, 221]	3183	[5261, 5262]	6256	[8699, 92]	9329	[9906, 7082]
111	[222, 223]	3184	[5263, 719]	6257	[8689, 3851]	9330	[1884, 11067]
112	[224, 225]	3185	[5264, 2998]	6258	[1485, 8700]	9331	[6290, 7165]
113	[226, 227]	3186	[5265, 2030]	6259	[1227, 4799]	9332	[6355, 11068]
114	[228, 229]	3187	[2384, 5266]	6260	[8701, 8702]	9333	[7520, 9791]
115	[230, 231]	3188	[1819, 2958]	6261	[357, 8703]	9334	[7586, 11069]
116	[232, 233]	3189	[5267, 499]	6262	[8108, 4497]	9335	[11070, 10009]
117	[234, 235]	3190	[719, 921]	6263	[8704, 1128]	9336	[11071, 135]
118	[236, 237]	3191	[5268, 5269]	6264	[8307, 1167]	9337	[7161, 6695]
119	[238, 239]	3192	[5270, 5271]	6265	[4005, 8204]	9338	[11072, 1884]
120	[240, 241]	3193	[2484, 5272]	6266	[8705, 3359]	9339	[5858, 6281]
121	[227, 242]	3194	[5273, 5274]	6267	[8706, 8394]	9340	[11073, 11074]
122	[243, 244]	3195	[5275, 203]	6268	[8707, 4146]	9341	[11075, 3135]
123	[245, 246]	3196	[5276, 5277]	6269	[8708, 1022]	9342	[11076, 5860]
124	[247, 248]	3197	[5278, 3013]	6270	[1756, 8709]	9343	[11077, 11078]
125	[249, 250]	3198	[5279, 5280]	6271	[8691, 8710]	9344	[244, 7577]
126	[251, 252]	3199	[5281, 2543]	6272	[1264, 8121]	9345	[6469, 11079]
127	[253, 254]	3200	[1916, 2941]	6273	[3224, 8711]	9346	[10260, 6628]
128	[255, 256]	3201	[5282, 5283]	6274	[4061, 8712]	9347	[11080, 11081]
129	[257, 258]	3202	[3093, 5284]	6275	[4782, 8713]	9348	[56, 11082]
130	[259, 260]	3203	[5285, 5286]	6276	[8714, 4971]	9349	[824, 2874]
131	[261, 262]	3204	[5287, 3148]	6277	[4499, 8360]	9350	[11083, 776]
132	[263, 264]	3205	[5288, 702]	6278	[8715, 8716]	9351	[6710, 2233]
133	[265, 266]	3206	[691, 5289]	6279	[475, 8717]	9352	[11084, 11085]
134	[267, 268]	3207	[5290, 2482]	6280	[8718, 8719]	9353	[11086, 11087]
135	[269, 270]	3208	[5291, 5292]	6281	[8720, 8721]	9354	[6293, 2758]
136	[271, 272]	3209	[5293, 5294]	6282	[8722, 8723]	9355	[10907, 5958]
137	[273, 274]	3210	[5295, 674]	6283	[7666, 8724]	9356	[11088, 5282]
138	[275, 276]	3211	[5296, 5297]	6284	[8725, 8726]	9357	[11089, 521]
139	[277, 278]	3212	[5298, 5299]	6285	[5200, 8727]	9358	[11090, 2814]
140	[279, 280]	3213	[5300, 5301]	6286	[8728, 8729]	9359	[11091, 5428]
141	[281, 282]	3214	[5302, 5303]	6287	[4000, 4404]	9360	[9768, 6595]
142	[283, 284]	3215	[2914, 605]	6288	[8730, 964]	9361	[1964, 5362]
143	[285, 286]	3216	[5304, 5305]	6289	[8731, 8732]	9362	[10227, 6839]
144	[287, 288]	3217	[5306, 5307]	6290	[8733, 4610]	9363	[7104, 5525]
145	[289, 290]	3218	[5289, 5308]	6291	[4829, 4569]	9364	[10434, 7280]
146	[291, 292]	3219	[5309, 5310]	6292	[4142, 1164]	9365	[2762, 939]

147	[293, 294]	3220	[5311, 2251]	6293	[8026, 8734]	9366	[11062, 10037]
148	[103, 295]	3221	[5312, 5313]	6294	[8735, 8736]	9367	[11092, 11093]
149	[296, 297]	3222	[5314, 2395]	6295	[1132, 8737]	9368	[10097, 6769]
150	[298, 299]	3223	[5315, 5316]	6296	[8738, 4658]	9369	[7506, 594]
151	[300, 301]	3224	[1955, 3081]	6297	[8739, 7604]	9370	[11094, 6464]
152	[302, 303]	3225	[5317, 5318]	6298	[4528, 275]	9371	[767, 10443]
153	[304, 305]	3226	[612, 5319]	6299	[8740, 8741]	9372	[5461, 2694]
154	[306, 307]	3227	[5320, 5321]	6300	[1417, 8742]	9373	[2064, 690]
155	[308, 309]	3228	[5322, 5323]	6301	[7913, 8743]	9374	[7278, 2363]
156	[310, 311]	3229	[5324, 5325]	6302	[8744, 8745]	9375	[11095, 11096]
157	[312, 313]	3230	[5326, 5327]	6303	[4583, 8380]	9376	[10369, 2598]
158	[4, 314]	3231	[5328, 5329]	6304	[8746, 8747]	9377	[11097, 51]
159	[315, 316]	3232	[5330, 5331]	6305	[8748, 7716]	9378	[10494, 11098]
160	[317, 318]	3233	[5332, 523]	6306	[5116, 8464]	9379	[11051, 5873]
161	[319, 320]	3234	[5333, 2793]	6307	[4106, 8749]	9380	[950, 5827]
162	[321, 263]	3235	[5334, 5335]	6308	[8155, 3866]	9381	[173, 2964]
163	[322, 323]	3236	[2271, 2163]	6309	[8632, 8678]	9382	[10750, 6056]
164	[324, 325]	3237	[5336, 5337]	6310	[8750, 8751]	9383	[6652, 11099]
165	[326, 327]	3238	[5338, 5339]	6311	[8752, 8753]	9384	[6919, 7088]
166	[328, 329]	3239	[1892, 5340]	6312	[8754, 8755]	9385	[3090, 5528]
167	[330, 331]	3240	[5341, 5342]	6313	[4116, 8756]	9386	[6140, 11100]
168	[332, 333]	3241	[5343, 2018]	6314	[8757, 8758]	9387	[10797, 5624]
169	[334, 251]	3242	[5344, 5345]	6315	[8759, 1694]	9388	[3072, 11101]
170	[335, 336]	3243	[2638, 2208]	6316	[3405, 8118]	9389	[7355, 10590]
171	[337, 338]	3244	[2328, 5346]	6317	[403, 8760]	9390	[11102, 6345]
172	[339, 340]	3245	[5347, 2502]	6318	[8761, 8348]	9391	[11103, 11104]
173	[341, 342]	3246	[5348, 5349]	6319	[8075, 8762]	9392	[11105, 6960]
174	[343, 344]	3247	[5350, 2072]	6320	[8763, 3418]	9393	[10174, 10089]
175	[345, 346]	3248	[5351, 5352]	6321	[8764, 8237]	9394	[11106, 2629]
176	[347, 348]	3249	[2084, 2467]	6322	[8765, 1277]	9395	[11107, 10512]
177	[349, 350]	3250	[5353, 5354]	6323	[1668, 8766]	9396	[11108, 10955]
178	[351, 352]	3251	[199, 5355]	6324	[8767, 8768]	9397	[10073, 6598]
179	[353, 278]	3252	[5356, 581]	6325	[4339, 7880]	9398	[5826, 2667]
180	[354, 355]	3253	[801, 5357]	6326	[3852, 1595]	9399	[11109, 6654]
181	[356, 357]	3254	[2729, 2265]	6327	[4472, 8769]	9400	[8, 243]
182	[358, 359]	3255	[3000, 5358]	6328	[8770, 8544]	9401	[11110, 11111]
183	[360, 361]	3256	[5359, 5337]	6329	[8771, 8360]	9402	[10385, 6164]
184	[362, 363]	3257	[5360, 5274]	6330	[8772, 8773]	9403	[10520, 5571]
185	[364, 365]	3258	[5361, 5362]	6331	[8774, 1288]	9404	[11112, 11113]
186	[366, 367]	3259	[5363, 2721]	6332	[8775, 8110]	9405	[739, 7304]
187	[368, 369]	3260	[5364, 5365]	6333	[8353, 3398]	9406	[11114, 10052]
188	[370, 371]	3261	[5366, 2170]	6334	[3841, 275]	9407	[5696, 11115]
189	[372, 373]	3262	[5367, 2413]	6335	[3474, 8776]	9408	[6007, 11116]
190	[374, 375]	3263	[5368, 2764]	6336	[8777, 8778]	9409	[7449, 11117]

191	[376, 377]	3264	[5369, 5370]	6337	[5222, 5157]	9410	[11118, 5756]
192	[378, 379]	3265	[5371, 5372]	6338	[8779, 4670]	9411	[11119, 2670]
193	[380, 381]	3266	[5373, 5374]	6339	[8780, 8781]	9412	[10486, 6844]
194	[382, 383]	3267	[5375, 5376]	6340	[8782, 5063]	9413	[9839, 7541]
195	[384, 385]	3268	[1918, 1929]	6341	[4708, 8110]	9414	[11120, 7051]
196	[386, 387]	3269	[5377, 5378]	6342	[8783, 8784]	9415	[10380, 2127]
197	[388, 389]	3270	[5379, 3106]	6343	[8785, 4039]	9416	[940, 6266]
198	[390, 391]	3271	[5380, 5381]	6344	[7861, 1145]	9417	[2384, 11121]
199	[392, 393]	3272	[5382, 5383]	6345	[264, 3782]	9418	[6351, 6940]
200	[394, 395]	3273	[1871, 3084]	6346	[8094, 3952]	9419	[6951, 6836]
201	[396, 397]	3274	[5384, 5385]	6347	[8786, 8787]	9420	[787, 11122]
202	[398, 399]	3275	[5386, 5387]	6348	[8788, 8174]	9421	[131, 6760]
203	[400, 401]	3276	[5388, 2422]	6349	[8789, 1427]	9422	[11123, 1832]
204	[402, 403]	3277	[2956, 5389]	6350	[7812, 8790]	9423	[11124, 9761]
205	[318, 404]	3278	[235, 2166]	6351	[8791, 8792]	9424	[11125, 11126]
206	[405, 406]	3279	[5390, 5391]	6352	[8793, 8794]	9425	[3137, 6926]
207	[407, 408]	3280	[31, 5392]	6353	[7942, 8795]	9426	[11127, 6838]
208	[409, 410]	3281	[165, 5393]	6354	[8037, 4681]	9427	[2842, 6857]
209	[411, 412]	3282	[5394, 5395]	6355	[8776, 8796]	9428	[11128, 11129]
210	[413, 414]	3283	[5396, 5397]	6356	[1325, 8797]	9429	[10083, 802]
211	[415, 416]	3284	[2257, 5398]	6357	[8798, 3731]	9430	[817, 11130]
212	[417, 418]	3285	[5399, 5400]	6358	[7591, 3560]	9431	[11109, 936]
213	[419, 420]	3286	[5401, 559]	6359	[8799, 7903]	9432	[6641, 11131]
214	[421, 422]	3287	[5402, 5403]	6360	[8800, 1724]	9433	[2001, 10477]
215	[423, 424]	3288	[5404, 5405]	6361	[8801, 7673]	9434	[11132, 10847]
216	[425, 426]	3289	[754, 5406]	6362	[8802, 8803]	9435	[11133, 6819]
217	[427, 428]	3290	[62, 5407]	6363	[7920, 3250]	9436	[11134, 11135]
218	[429, 430]	3291	[5408, 5409]	6364	[8804, 331]	9437	[793, 11136]
219	[431, 432]	3292	[5410, 5411]	6365	[8805, 3158]	9438	[591, 2308]
220	[433, 434]	3293	[5412, 2206]	6366	[8806, 65]	9439	[10848, 923]
221	[435, 436]	3294	[5413, 2184]	6367	[8807, 3462]	9440	[1861, 5857]
222	[437, 438]	3295	[5414, 5415]	6368	[8029, 8808]	9441	[530, 11137]
223	[439, 440]	3296	[5416, 5417]	6369	[8809, 5107]	9442	[11138, 923]
224	[441, 442]	3297	[39, 2791]	6370	[5119, 3325]	9443	[11139, 7174]
225	[443, 444]	3298	[5418, 5419]	6371	[8810, 4774]	9444	[7088, 7087]
226	[445, 446]	3299	[5420, 5421]	6372	[8811, 3424]	9445	[11140, 7190]
227	[447, 448]	3300	[2289, 5309]	6373	[4846, 8812]	9446	[11141, 11142]
228	[449, 450]	3301	[5422, 1979]	6374	[4990, 377]	9447	[11143, 11144]
229	[451, 452]	3302	[5423, 5424]	6375	[8813, 4599]	9448	[11145, 11146]
230	[453, 454]	3303	[5425, 3127]	6376	[8814, 65]	9449	[6961, 2730]
231	[455, 456]	3304	[5426, 2101]	6377	[4496, 8815]	9450	[706, 10192]
232	[457, 458]	3305	[2060, 5427]	6378	[8816, 4993]	9451	[2699, 658]
233	[459, 460]	3306	[5428, 5429]	6379	[8817, 8818]	9452	[11147, 2933]
234	[461, 462]	3307	[3036, 5430]	6380	[4553, 8819]	9453	[10954, 11148]

235	[463, 464]	3308	[3039, 5431]	6381	[3586, 8820]	9454	[7033, 1846]
236	[465, 466]	3309	[5432, 5433]	6382	[8821, 7824]	9455	[11149, 10647]
237	[467, 468]	3310	[5434, 5435]	6383	[3575, 1738]	9456	[11150, 6881]
238	[469, 470]	3311	[5436, 5437]	6384	[987, 1254]	9457	[2542, 11151]
239	[471, 472]	3312	[5438, 5439]	6385	[3705, 8822]	9458	[11040, 6216]
240	[473, 474]	3313	[5440, 5441]	6386	[8587, 8823]	9459	[11152, 57]
241	[475, 476]	3314	[5442, 5443]	6387	[8824, 8825]	9460	[6167, 2092]
242	[477, 478]	3315	[5444, 3023]	6388	[4957, 4338]	9461	[5471, 11153]
243	[479, 480]	3316	[5445, 2020]	6389	[8826, 8827]	9462	[9860, 644]
244	[18, 481]	3317	[5446, 5447]	6390	[417, 1390]	9463	[772, 2459]
245	[482, 483]	3318	[5448, 1913]	6391	[8828, 8829]	9464	[6257, 2669]
246	[484, 485]	3319	[2703, 5449]	6392	[8830, 5002]	9465	[10966, 5836]
247	[486, 487]	3320	[5450, 5451]	6393	[8831, 312]	9466	[3119, 6177]
248	[488, 489]	3321	[5452, 5453]	6394	[8832, 1362]	9467	[6898, 2315]
249	[490, 491]	3322	[1805, 5454]	6395	[7806, 1295]	9468	[11154, 7556]
250	[492, 315]	3323	[5455, 5456]	6396	[1701, 8833]	9469	[10863, 2658]
251	[493, 494]	3324	[2128, 5457]	6397	[1607, 8834]	9470	[11155, 6776]
252	[495, 496]	3325	[5458, 5459]	6398	[4410, 8835]	9471	[6611, 6212]
253	[497, 498]	3326	[5460, 5461]	6399	[7778, 4175]	9472	[529, 11156]
254	[499, 500]	3327	[5462, 5463]	6400	[8836, 1083]	9473	[6584, 1948]
255	[501, 502]	3328	[5464, 5465]	6401	[8837, 7747]	9474	[6586, 6733]
256	[503, 504]	3329	[5466, 5378]	6402	[8838, 953]	9475	[11157, 2059]
257	[505, 506]	3330	[2788, 5467]	6403	[8839, 7604]	9476	[6145, 11158]
258	[507, 508]	3331	[5468, 5469]	6404	[8840, 8202]	9477	[11159, 5384]
259	[509, 510]	3332	[5470, 5471]	6405	[3263, 1346]	9478	[6294, 1838]
260	[511, 512]	3333	[5472, 5473]	6406	[4946, 8841]	9479	[11160, 511]
261	[513, 514]	3334	[5474, 5475]	6407	[8842, 3934]	9480	[11161, 6386]
262	[515, 183]	3335	[2685, 5476]	6408	[8843, 4285]	9481	[1927, 6492]
263	[516, 517]	3336	[5477, 2038]	6409	[8844, 265]	9482	[2486, 1785]
264	[518, 519]	3337	[1900, 5478]	6410	[8845, 8651]	9483	[5297, 11162]
265	[520, 521]	3338	[2163, 2566]	6411	[4567, 8502]	9484	[5975, 11163]
266	[522, 523]	3339	[636, 5479]	6412	[8846, 7752]	9485	[2968, 223]
267	[524, 525]	3340	[5480, 5481]	6413	[8847, 8848]	9486	[10867, 11164]
268	[526, 527]	3341	[2852, 5482]	6414	[8849, 3275]	9487	[10415, 10735]
269	[528, 529]	3342	[5483, 5461]	6415	[3656, 4843]	9488	[5775, 2142]
270	[530, 531]	3343	[5484, 5485]	6416	[8850, 8851]	9489	[2744, 6645]
271	[532, 533]	3344	[5486, 5487]	6417	[4114, 5140]	9490	[11165, 6946]
272	[534, 535]	3345	[5488, 5489]	6418	[8852, 8758]	9491	[9942, 11074]
273	[536, 537]	3346	[5490, 1850]	6419	[3527, 8456]	9492	[11166, 9772]
274	[538, 539]	3347	[5491, 5492]	6420	[1782, 4918]	9493	[11167, 6816]
275	[540, 541]	3348	[5493, 2450]	6421	[5143, 8853]	9494	[10085, 11168]
276	[542, 543]	3349	[5494, 5495]	6422	[4627, 4169]	9495	[10047, 2755]
277	[544, 545]	3350	[5496, 5497]	6423	[8854, 4789]	9496	[6447, 5359]
278	[546, 547]	3351	[5498, 5499]	6424	[4320, 3735]	9497	[914, 11169]

279	[548, 549]	3352	[5500, 5501]	6425	[8855, 8856]	9498	[7072, 6915]
280	[550, 551]	3353	[157, 2454]	6426	[8857, 8858]	9499	[7020, 6719]
281	[552, 553]	3354	[5502, 5503]	6427	[8859, 4941]	9500	[11170, 11171]
282	[554, 555]	3355	[5504, 5505]	6428	[1257, 8299]	9501	[11172, 6463]
283	[556, 557]	3356	[768, 5287]	6429	[8860, 8861]	9502	[5394, 5877]
284	[558, 559]	3357	[920, 5506]	6430	[8862, 3446]	9503	[7234, 2988]
285	[560, 561]	3358	[5507, 2785]	6431	[7898, 3941]	9504	[655, 5534]
286	[562, 563]	3359	[5508, 2711]	6432	[8863, 4047]	9505	[2878, 7369]
287	[564, 565]	3360	[5509, 2729]	6433	[8864, 8865]	9506	[7228, 10925]
288	[566, 567]	3361	[5510, 5511]	6434	[3283, 8615]	9507	[7236, 7259]
289	[568, 569]	3362	[5512, 5513]	6435	[3844, 1310]	9508	[7232, 3031]
290	[570, 571]	3363	[5514, 5486]	6436	[5189, 8846]	9509	[7234, 7253]
291	[572, 573]	3364	[5515, 5516]	6437	[4294, 1448]	9510	[2880, 7377]
292	[574, 530]	3365	[5517, 5518]	6438	[1331, 8642]	9511	[7400, 7400]
293	[575, 576]	3366	[5519, 5520]	6439	[8866, 8867]	9512	[2733, 6552]
294	[577, 578]	3367	[5521, 5522]	6440	[8868, 8380]	9513	[11173, 10714]
295	[579, 182]	3368	[5523, 5524]	6441	[8700, 8550]	9514	[2347, 925]
296	[580, 581]	3369	[5525, 1847]	6442	[8869, 8870]	9515	[1873, 11174]
297	[168, 582]	3370	[2123, 5526]	6443	[8871, 4869]	9516	[10481, 5637]
298	[583, 584]	3371	[5527, 1813]	6444	[4426, 8865]	9517	[9865, 6663]
299	[585, 586]	3372	[5528, 2579]	6445	[8872, 8145]	9518	[11175, 688]
300	[587, 588]	3373	[5529, 5530]	6446	[8873, 8874]	9519	[11176, 11177]
301	[589, 590]	3374	[5531, 5532]	6447	[8875, 7719]	9520	[11178, 11179]
302	[591, 592]	3375	[5533, 2162]	6448	[4118, 3933]	9521	[10883, 9944]
303	[593, 594]	3376	[5534, 5535]	6449	[8876, 8327]	9522	[7213, 5906]
304	[595, 596]	3377	[5536, 5537]	6450	[8877, 8878]	9523	[10903, 10200]
305	[597, 598]	3378	[5538, 5539]	6451	[1429, 1441]	9524	[3049, 856]
306	[599, 600]	3379	[2219, 5540]	6452	[8879, 8880]	9525	[2866, 7401]
307	[601, 602]	3380	[5541, 5542]	6453	[4022, 8881]	9526	[2866, 7396]
308	[603, 604]	3381	[5543, 5544]	6454	[8882, 1187]	9527	[2974, 7397]
309	[605, 606]	3382	[2531, 931]	6455	[7774, 3580]	9528	[7378, 7395]
310	[607, 608]	3383	[5545, 5546]	6456	[4111, 5006]	9529	[3048, 855]
311	[609, 610]	3384	[2021, 5547]	6457	[4167, 8883]	9530	[7394, 7260]
312	[611, 612]	3385	[5548, 5549]	6458	[4321, 8884]	9531	[7379, 2865]
313	[613, 614]	3386	[5550, 5551]	6459	[8885, 5007]	9532	[2884, 7258]
314	[615, 616]	3387	[5552, 5553]	6460	[1266, 8886]	9533	[7397, 7263]
315	[617, 618]	3388	[2707, 5554]	6461	[7795, 3346]	9534	[11180, 7489]
316	[619, 620]	3389	[5555, 5556]	6462	[7910, 8887]	9535	[6339, 7185]
317	[621, 622]	3390	[5557, 5536]	6463	[8888, 3682]	9536	[11181, 2435]
318	[623, 624]	3391	[5558, 743]	6464	[8315, 488]	9537	[11182, 6842]
319	[625, 626]	3392	[5559, 186]	6465	[8889, 3951]	9538	[2477, 7110]
320	[627, 628]	3393	[5560, 5561]	6466	[4676, 1760]	9539	[10129, 6745]
321	[629, 630]	3394	[12, 729]	6467	[8890, 8891]	9540	[202, 5491]
322	[631, 632]	3395	[600, 5562]	6468	[4867, 4999]	9541	[10786, 11183]

323	[633, 634]	3396	[3072, 498]	6469	[484, 8892]	9542	[11184, 11185]
324	[635, 636]	3397	[5563, 5564]	6470	[5135, 3585]	9543	[2714, 2614]
325	[637, 638]	3398	[5565, 5566]	6471	[8456, 5156]	9544	[2810, 6332]
326	[639, 640]	3399	[5567, 5568]	6472	[3414, 8893]	9545	[6363, 6558]
327	[641, 642]	3400	[5569, 5570]	6473	[460, 8413]	9546	[3122, 5962]
328	[643, 644]	3401	[5571, 2117]	6474	[8894, 3517]	9547	[5614, 6908]
329	[645, 646]	3402	[5572, 5573]	6475	[8895, 8250]	9548	[1963, 5361]
330	[647, 648]	3403	[5574, 5575]	6476	[8896, 8897]	9549	[7098, 190]
331	[649, 650]	3404	[5576, 863]	6477	[8898, 8899]	9550	[6988, 2851]
332	[651, 652]	3405	[2800, 2644]	6478	[3533, 1720]	9551	[11186, 6280]
333	[658, 653]	3406	[5577, 5578]	6479	[4062, 1313]	9552	[2102, 11187]
334	[654, 655]	3407	[5579, 5580]	6480	[8900, 4466]	9553	[11048, 2930]
335	[656, 657]	3408	[5581, 2286]	6481	[8901, 8902]	9554	[9871, 11188]
336	[658, 659]	3409	[2966, 2105]	6482	[8903, 7641]	9555	[10122, 6190]
337	[660, 661]	3410	[5582, 5583]	6483	[8904, 465]	9556	[11189, 7390]
338	[662, 663]	3411	[5584, 5585]	6484	[402, 972]	9557	[10268, 198]
339	[664, 665]	3412	[5586, 5434]	6485	[1312, 1005]	9558	[6788, 11190]
340	[666, 667]	3413	[2888, 5587]	6486	[8905, 8712]	9559	[6721, 6453]
341	[662, 668]	3414	[5588, 5589]	6487	[8906, 4266]	9560	[2821, 2090]
342	[669, 670]	3415	[5590, 5591]	6488	[1574, 8907]	9561	[10060, 5748]
343	[671, 672]	3416	[2184, 5592]	6489	[8908, 487]	9562	[50, 10032]
344	[673, 674]	3417	[5593, 5438]	6490	[8909, 8375]	9563	[6884, 6973]
345	[675, 236]	3418	[2858, 2508]	6491	[4488, 3485]	9564	[6977, 11191]
346	[676, 677]	3419	[5594, 5595]	6492	[8910, 8911]	9565	[11192, 11193]
347	[678, 679]	3420	[5596, 5597]	6493	[8912, 7603]	9566	[6769, 7273]
348	[680, 681]	3421	[5598, 5599]	6494	[8913, 8914]	9567	[11194, 5650]
349	[682, 683]	3422	[5600, 643]	6495	[8915, 8359]	9568	[7478, 2994]
350	[684, 685]	3423	[2567, 5601]	6496	[3508, 8916]	9569	[11195, 3096]
351	[686, 687]	3424	[5602, 2587]	6497	[8917, 8868]	9570	[2709, 5379]
352	[688, 689]	3425	[5603, 5604]	6498	[8918, 8919]	9571	[7296, 11196]
353	[690, 691]	3426	[5605, 2461]	6499	[8920, 3557]	9572	[3022, 11197]
354	[692, 693]	3427	[897, 5606]	6500	[8921, 8679]	9573	[9939, 1901]
355	[694, 695]	3428	[5607, 5608]	6501	[8922, 3422]	9574	[5558, 11198]
356	[696, 697]	3429	[5609, 5610]	6502	[1571, 8923]	9575	[2283, 11111]
357	[698, 699]	3430	[5611, 5612]	6503	[5125, 4845]	9576	[1886, 11199]
358	[700, 701]	3431	[5613, 5614]	6504	[8924, 8925]	9577	[9927, 11200]
359	[702, 703]	3432	[3144, 5615]	6505	[8647, 5056]	9578	[5569, 5445]
360	[704, 705]	3433	[2071, 2616]	6506	[8926, 4262]	9579	[10975, 7181]
361	[706, 245]	3434	[131, 5616]	6507	[8927, 8928]	9580	[659, 2140]
362	[707, 708]	3435	[5617, 840]	6508	[8929, 8930]	9581	[6537, 2519]
363	[709, 710]	3436	[5618, 2417]	6509	[978, 8931]	9582	[10968, 2518]
364	[711, 712]	3437	[5505, 5266]	6510	[8932, 7675]	9583	[11201, 867]
365	[713, 714]	3438	[5619, 5620]	6511	[4951, 1633]	9584	[10379, 6567]
366	[715, 716]	3439	[5621, 5622]	6512	[8933, 1010]	9585	[11202, 1844]

367	[717, 718]	3440	[5623, 5624]	6513	[8934, 4000]	9586	[3003, 2875]
368	[211, 719]	3441	[5625, 2640]	6514	[8935, 8936]	9587	[11203, 11204]
369	[720, 721]	3442	[5626, 5627]	6515	[8618, 7624]	9588	[6035, 11205]
370	[722, 723]	3443	[5628, 703]	6516	[8937, 8027]	9589	[9854, 2763]
371	[724, 725]	3444	[5629, 611]	6517	[3304, 3408]	9590	[11206, 6459]
372	[726, 727]	3445	[5630, 3126]	6518	[8938, 7744]	9591	[5343, 6104]
373	[728, 729]	3446	[5631, 5632]	6519	[8939, 8066]	9592	[5951, 11207]
374	[730, 731]	3447	[5633, 5634]	6520	[8940, 8941]	9593	[5793, 7477]
375	[732, 733]	3448	[160, 5635]	6521	[3579, 8369]	9594	[10106, 5348]
376	[734, 735]	3449	[5636, 5558]	6522	[1342, 1172]	9595	[10811, 10233]
377	[736, 531]	3450	[5637, 5638]	6523	[3465, 3617]	9596	[11208, 11209]
378	[511, 737]	3451	[5639, 5640]	6524	[8942, 8943]	9597	[7562, 6933]
379	[738, 739]	3452	[5516, 5641]	6525	[7696, 8944]	9598	[11210, 6614]
380	[740, 741]	3453	[5485, 5642]	6526	[8945, 4876]	9599	[11211, 9792]
381	[742, 743]	3454	[5643, 2113]	6527	[1536, 1634]	9600	[11212, 2173]
382	[744, 745]	3455	[864, 2959]	6528	[8946, 8947]	9601	[10362, 7004]
383	[746, 747]	3456	[5644, 2326]	6529	[8160, 8629]	9602	[11030, 525]
384	[748, 749]	3457	[5645, 5646]	6530	[8013, 8948]	9603	[11139, 11213]
385	[750, 751]	3458	[5647, 5648]	6531	[8949, 8950]	9604	[10694, 2776]
386	[752, 753]	3459	[5649, 5650]	6532	[5009, 8951]	9605	[6830, 6832]
387	[754, 755]	3460	[5651, 5652]	6533	[8952, 8953]	9606	[9957, 11177]
388	[756, 757]	3461	[5653, 758]	6534	[8954, 8302]	9607	[10474, 10028]
389	[758, 759]	3462	[5654, 1973]	6535	[1746, 8955]	9608	[2991, 7235]
390	[760, 761]	3463	[5655, 5656]	6536	[8956, 8957]	9609	[10926, 7237]
391	[762, 763]	3464	[5657, 5658]	6537	[8958, 3245]	9610	[43, 5617]
392	[764, 765]	3465	[5292, 5659]	6538	[8959, 8960]	9611	[11123, 2746]
393	[766, 767]	3466	[5660, 5661]	6539	[1295, 8961]	9612	[7393, 7256]
394	[768, 769]	3467	[5662, 2121]	6540	[1278, 8962]	9613	[2884, 10926]
395	[770, 771]	3468	[2792, 5663]	6541	[8963, 4884]	9614	[10043, 2845]
396	[772, 773]	3469	[5664, 5665]	6542	[8404, 8144]	9615	[10386, 605]
397	[774, 775]	3470	[2773, 5666]	6543	[8964, 8965]	9616	[6017, 6746]
398	[776, 777]	3471	[510, 2967]	6544	[8966, 4512]	9617	[2795, 11214]
399	[778, 779]	3472	[5667, 5668]	6545	[8954, 8967]	9618	[2557, 11215]
400	[780, 781]	3473	[5669, 5670]	6546	[8968, 8850]	9619	[2989, 7262]
401	[782, 783]	3474	[5671, 2738]	6547	[8902, 3935]	9620	[892, 2866]
402	[784, 785]	3475	[1841, 2511]	6548	[8969, 4998]	9621	[3049, 7257]
403	[786, 787]	3476	[5672, 5673]	6549	[1746, 4619]	9622	[2987, 2882]
404	[788, 789]	3477	[5674, 1870]	6550	[4949, 8970]	9623	[7395, 7394]
405	[790, 791]	3478	[5675, 5676]	6551	[8971, 8972]	9624	[2988, 7261]
406	[792, 793]	3479	[5677, 5678]	6552	[8973, 3427]	9625	[2987, 7231]
407	[794, 795]	3480	[5576, 2312]	6553	[4666, 3664]	9626	[7369, 7464]
408	[796, 797]	3481	[2350, 5679]	6554	[8974, 8975]	9627	[7400, 7399]
409	[798, 799]	3482	[5680, 845]	6555	[1437, 3815]	9628	[6175, 9992]
410	[800, 801]	3483	[2521, 5681]	6556	[4530, 8976]	9629	[5603, 2477]

411	[802, 803]	3484	[5682, 5683]	6557	[7817, 4758]	9630	[11103, 7172]
412	[683, 804]	3485	[5571, 1971]	6558	[8803, 3259]	9631	[11216, 10305]
413	[805, 806]	3486	[5684, 5685]	6559	[8977, 8978]	9632	[1936, 5880]
414	[807, 808]	3487	[5686, 5439]	6560	[8979, 8538]	9633	[11217, 5617]
415	[129, 809]	3488	[5687, 5688]	6561	[7998, 1353]	9634	[10102, 2794]
416	[810, 811]	3489	[5689, 5690]	6562	[1552, 8980]	9635	[11141, 10013]
417	[812, 813]	3490	[5691, 2931]	6563	[8981, 3928]	9636	[10596, 7555]
418	[639, 814]	3491	[5692, 2495]	6564	[4283, 4411]	9637	[5925, 2674]
419	[815, 816]	3492	[2902, 5693]	6565	[3713, 8245]	9638	[1974, 578]
420	[817, 818]	3493	[5694, 5695]	6566	[357, 8982]	9639	[11218, 7152]
421	[819, 820]	3494	[157, 5696]	6567	[8983, 8984]	9640	[11219, 11220]
422	[821, 822]	3495	[5697, 5698]	6568	[8985, 8530]	9641	[6674, 7053]
423	[823, 824]	3496	[5699, 5700]	6569	[4424, 3720]	9642	[11221, 11222]
424	[825, 826]	3497	[5701, 1857]	6570	[8986, 8987]	9643	[11223, 7157]
425	[827, 610]	3498	[1829, 2604]	6571	[3227, 8137]	9644	[11224, 5752]
426	[828, 829]	3499	[2755, 2186]	6572	[8988, 4647]	9645	[6113, 11225]
427	[830, 831]	3500	[2702, 5702]	6573	[8989, 8990]	9646	[10736, 11226]
428	[832, 833]	3501	[5703, 700]	6574	[3968, 4398]	9647	[11227, 11228]
429	[834, 835]	3502	[2752, 704]	6575	[3868, 4643]	9648	[5342, 6278]
430	[836, 837]	3503	[5704, 706]	6576	[8991, 7890]	9649	[6077, 7531]
431	[838, 839]	3504	[5705, 5706]	6577	[8992, 8022]	9650	[7329, 2125]
432	[44, 840]	3505	[5707, 206]	6578	[1754, 3827]	9651	[566, 2767]
433	[841, 842]	3506	[5536, 5708]	6579	[4877, 480]	9652	[556, 646]
434	[843, 844]	3507	[2511, 5709]	6580	[8993, 3495]	9653	[6655, 1998]
435	[845, 846]	3508	[5710, 5711]	6581	[1723, 8994]	9654	[7578, 11229]
436	[847, 848]	3509	[5712, 2242]	6582	[4006, 8205]	9655	[10325, 147]
437	[849, 850]	3510	[5713, 651]	6583	[7615, 8995]	9656	[10437, 2397]
438	[851, 852]	3511	[5714, 5715]	6584	[7870, 3440]	9657	[11230, 3094]
439	[853, 854]	3512	[5716, 1960]	6585	[8996, 8997]	9658	[5732, 2012]
440	[855, 856]	3513	[5717, 2670]	6586	[8998, 5162]	9659	[11231, 10438]
441	[857, 858]	3514	[5718, 5719]	6587	[8666, 4545]	9660	[11159, 10957]
442	[859, 860]	3515	[5720, 5721]	6588	[8999, 1648]	9661	[6328, 945]
443	[861, 862]	3516	[5722, 1924]	6589	[3716, 1747]	9662	[11232, 11233]
444	[863, 864]	3517	[2650, 884]	6590	[9000, 4531]	9663	[10637, 11234]
445	[865, 866]	3518	[584, 5723]	6591	[1679, 7853]	9664	[2128, 10585]
446	[867, 868]	3519	[5724, 5725]	6592	[9001, 4605]	9665	[10456, 950]
447	[869, 870]	3520	[5726, 5727]	6593	[9002, 7749]	9666	[7481, 5366]
448	[871, 872]	3521	[5728, 2598]	6594	[3968, 4956]	9667	[11235, 11236]
449	[873, 874]	3522	[5729, 5314]	6595	[9003, 8252]	9668	[10219, 11237]
450	[875, 876]	3523	[2254, 2643]	6596	[19, 5044]	9669	[11238, 5249]
451	[877, 516]	3524	[5730, 5731]	6597	[9004, 9005]	9670	[11239, 11240]
452	[539, 518]	3525	[5732, 5733]	6598	[8354, 4191]	9671	[6225, 11241]
453	[878, 879]	3526	[5734, 558]	6599	[9006, 9007]	9672	[11242, 5943]
454	[880, 868]	3527	[5735, 5736]	6600	[7720, 3880]	9673	[7464, 891]

455	[881, 882]	3528	[5737, 5738]	6601	[1427, 3918]	9674	[7470, 11243]
456	[883, 884]	3529	[5739, 5740]	6602	[3624, 9008]	9675	[10783, 11244]
457	[885, 886]	3530	[2122, 2757]	6603	[9009, 4592]	9676	[7305, 589]
458	[887, 888]	3531	[2654, 2064]	6604	[4227, 4562]	9677	[7201, 5955]
459	[889, 890]	3532	[5741, 5742]	6605	[9010, 9011]	9678	[6473, 7228]
460	[891, 892]	3533	[5743, 5744]	6606	[9012, 1264]	9679	[2880, 2991]
461	[893, 894]	3534	[5745, 2870]	6607	[8499, 9013]	9680	[7469, 2642]
462	[895, 848]	3535	[651, 2337]	6608	[1332, 9014]	9681	[665, 2923]
463	[896, 897]	3536	[737, 5746]	6609	[9015, 9016]	9682	[2101, 2675]
464	[898, 899]	3537	[2023, 5747]	6610	[9017, 9018]	9683	[10529, 10896]
465	[900, 901]	3538	[5748, 5749]	6611	[9019, 3842]	9684	[1829, 5974]
466	[902, 903]	3539	[5750, 5751]	6612	[9020, 8784]	9685	[2135, 2049]
467	[904, 905]	3540	[5752, 5753]	6613	[9021, 3673]	9686	[10358, 7519]
468	[906, 907]	3541	[5648, 5754]	6614	[9022, 1501]	9687	[9889, 5775]
469	[908, 909]	3542	[5755, 5756]	6615	[3941, 4278]	9688	[11245, 10711]
470	[910, 911]	3543	[5757, 5758]	6616	[9023, 5048]	9689	[11246, 11247]
471	[912, 913]	3544	[5759, 5760]	6617	[9024, 3206]	9690	[2100, 663]
472	[668, 914]	3545	[5761, 5762]	6618	[9025, 5089]	9691	[7074, 6267]
473	[915, 916]	3546	[5763, 5764]	6619	[9026, 3172]	9692	[10884, 2784]
474	[917, 918]	3547	[5765, 5766]	6620	[8368, 9027]	9693	[7482, 6911]
475	[919, 920]	3548	[2678, 5767]	6621	[9028, 1614]	9694	[11248, 5686]
476	[921, 922]	3549	[2513, 5768]	6622	[3557, 8058]	9695	[10339, 11249]
477	[923, 924]	3550	[5769, 818]	6623	[8533, 7798]	9696	[11150, 11250]
478	[925, 926]	3551	[5451, 5770]	6624	[9029, 1235]	9697	[11251, 2737]
479	[927, 928]	3552	[5771, 5772]	6625	[4600, 9030]	9698	[10143, 11252]
480	[929, 930]	3553	[5773, 5774]	6626	[9031, 4542]	9699	[11219, 6390]
481	[36, 931]	3554	[5775, 14]	6627	[9032, 9033]	9700	[11253, 11254]
482	[932, 933]	3555	[5776, 5777]	6628	[9034, 4343]	9701	[11255, 11256]
483	[934, 935]	3556	[2633, 5778]	6629	[9035, 8742]	9702	[2368, 6361]
484	[936, 937]	3557	[5779, 5232]	6630	[9036, 9037]	9703	[10500, 11257]
485	[938, 939]	3558	[5575, 5780]	6631	[9038, 7675]	9704	[10687, 2509]
486	[940, 941]	3559	[5781, 3075]	6632	[9039, 9040]	9705	[11258, 11259]
487	[942, 943]	3560	[561, 2298]	6633	[9041, 9042]	9706	[9838, 2021]
488	[944, 945]	3561	[5782, 1837]	6634	[1098, 4084]	9707	[11260, 11261]
489	[946, 947]	3562	[5783, 5784]	6635	[9043, 4551]	9708	[6632, 11262]
490	[948, 949]	3563	[2810, 5785]	6636	[8782, 3920]	9709	[7085, 6124]
491	[950, 554]	3564	[5786, 1899]	6637	[378, 8247]	9710	[10640, 11126]
492	[951, 952]	3565	[5787, 2982]	6638	[9044, 1530]	9711	[10876, 2318]
493	[953, 954]	3566	[5788, 5789]	6639	[9045, 1576]	9712	[11263, 11264]
494	[955, 956]	3567	[5790, 5791]	6640	[8646, 1549]	9713	[11265, 2957]
495	[957, 958]	3568	[5792, 2285]	6641	[3802, 9046]	9714	[231, 11266]
496	[959, 960]	3569	[5793, 5794]	6642	[1024, 9047]	9715	[6496, 2814]
497	[961, 962]	3570	[5795, 5796]	6643	[7951, 1317]	9716	[765, 2639]
498	[963, 964]	3571	[5797, 5798]	6644	[9048, 453]	9717	[2566, 7039]

499	[965, 966]	3572	[2753, 705]	6645	[9049, 455]	9718	[11114, 6969]
500	[967, 968]	3573	[5799, 5800]	6646	[9050, 9051]	9719	[5434, 11267]
501	[969, 970]	3574	[2157, 573]	6647	[9052, 9053]	9720	[11216, 11268]
502	[971, 972]	3575	[2162, 3088]	6648	[7602, 9054]	9721	[718, 11269]
503	[973, 974]	3576	[5801, 5802]	6649	[9055, 3690]	9722	[10373, 11270]
504	[975, 976]	3577	[5803, 5804]	6650	[9056, 3489]	9723	[10690, 10354]
505	[977, 978]	3578	[5805, 5289]	6651	[9057, 7921]	9724	[6607, 11271]
506	[979, 980]	3579	[5806, 782]	6652	[4475, 4775]	9725	[10392, 7472]
507	[981, 982]	3580	[5807, 5808]	6653	[7728, 9058]	9726	[11272, 7089]
508	[983, 336]	3581	[5809, 5810]	6654	[4336, 9059]	9727	[11003, 11273]
509	[984, 985]	3582	[5811, 688]	6655	[9060, 3357]	9728	[5338, 6380]
510	[986, 987]	3583	[1973, 12]	6656	[8882, 8328]	9729	[5852, 11135]
511	[988, 989]	3584	[5812, 5813]	6657	[9061, 3224]	9730	[10987, 11274]
512	[990, 991]	3585	[5522, 5476]	6658	[4997, 1252]	9731	[6442, 10167]
513	[992, 993]	3586	[156, 5814]	6659	[8195, 3171]	9732	[162, 2050]
514	[994, 995]	3587	[5815, 2790]	6660	[8746, 9062]	9733	[10297, 11275]
515	[996, 997]	3588	[5816, 5817]	6661	[9063, 4254]	9734	[7415, 5743]
516	[998, 999]	3589	[244, 2515]	6662	[7740, 9064]	9735	[11276, 11277]
517	[1000, 1001]	3590	[5818, 5819]	6663	[9065, 8732]	9736	[7566, 10602]
518	[1002, 1003]	3591	[5820, 5821]	6664	[8382, 7797]	9737	[11278, 6676]
519	[1004, 1005]	3592	[5822, 5823]	6665	[9066, 9067]	9738	[2976, 5865]
520	[1006, 1007]	3593	[5824, 5825]	6666	[9068, 4155]	9739	[11279, 11280]
521	[1008, 1009]	3594	[5826, 5531]	6667	[9069, 9070]	9740	[6494, 6302]
522	[1010, 408]	3595	[5827, 555]	6668	[9071, 1670]	9741	[5935, 5228]
523	[1011, 1012]	3596	[2490, 5828]	6669	[4292, 3215]	9742	[11281, 7553]
524	[1013, 1014]	3597	[5829, 5830]	6670	[304, 1466]	9743	[11232, 10125]
525	[1015, 1016]	3598	[5831, 2553]	6671	[9072, 1067]	9744	[6739, 5979]
526	[1017, 1018]	3599	[5832, 539]	6672	[8939, 9073]	9745	[11282, 10804]
527	[1019, 1020]	3600	[5833, 2001]	6673	[9074, 3248]	9746	[7290, 6998]
528	[1021, 1022]	3601	[2623, 5834]	6674	[9075, 5112]	9747	[10549, 7266]
529	[1023, 1024]	3602	[5835, 5836]	6675	[9076, 4974]	9748	[10631, 2372]
530	[1025, 1026]	3603	[5837, 5564]	6676	[4968, 3829]	9749	[10480, 2452]
531	[1027, 1028]	3604	[5838, 5839]	6677	[9077, 8128]	9750	[6939, 2419]
532	[1029, 1030]	3605	[5840, 5841]	6678	[4194, 9078]	9751	[7031, 2359]
533	[1031, 1032]	3606	[5842, 5843]	6679	[9079, 8113]	9752	[10914, 5456]
534	[1033, 1034]	3607	[1928, 5844]	6680	[9080, 8433]	9753	[6930, 2156]
535	[1035, 1036]	3608	[753, 5845]	6681	[9081, 4522]	9754	[11283, 11284]
536	[1037, 449]	3609	[3034, 5846]	6682	[322, 8017]	9755	[5350, 766]
537	[1038, 1039]	3610	[5847, 829]	6683	[9082, 3185]	9756	[9145, 9556]
538	[1040, 1002]	3611	[5848, 5849]	6684	[4929, 9083]	9757	[8372, 8497]
539	[1041, 1004]	3612	[5499, 5850]	6685	[4151, 9084]	9758	[4477, 11285]
540	[1042, 1043]	3613	[1975, 5851]	6686	[9085, 3980]	9759	[8228, 4115]
541	[1044, 1045]	3614	[5852, 5853]	6687	[8556, 3478]	9760	[11286, 1108]
542	[1046, 1047]	3615	[5854, 5855]	6688	[9086, 1753]	9761	[4709, 8111]

543	[1048, 1049]	3616	[842, 5506]	6689	[8816, 9087]	9762	[11287, 11288]
544	[1050, 1051]	3617	[5856, 5857]	6690	[5192, 9088]	9763	[4566, 8363]
545	[1052, 1053]	3618	[5858, 2379]	6691	[9089, 8489]	9764	[4128, 11289]
546	[1054, 1055]	3619	[5859, 2773]	6692	[9090, 9091]	9765	[1693, 11290]
547	[1056, 264]	3620	[5860, 5768]	6693	[3839, 4772]	9766	[4618, 3200]
548	[1057, 1058]	3621	[5401, 2187]	6694	[9092, 9093]	9767	[9097, 11291]
549	[1059, 1060]	3622	[5861, 5862]	6695	[9094, 8012]	9768	[8253, 3166]
550	[316, 1061]	3623	[2273, 5863]	6696	[8576, 5084]	9769	[11292, 8451]
551	[1006, 1062]	3624	[5864, 5865]	6697	[4904, 7841]	9770	[11293, 11294]
552	[451, 321]	3625	[2648, 1939]	6698	[9095, 9096]	9771	[9703, 4493]
553	[1063, 1064]	3626	[5866, 5867]	6699	[9097, 4838]	9772	[11295, 11296]
554	[1065, 1066]	3627	[5868, 2412]	6700	[9098, 9099]	9773	[8124, 11297]
555	[1067, 1068]	3628	[5869, 747]	6701	[9100, 3228]	9774	[11298, 8241]
556	[1069, 1070]	3629	[5870, 5693]	6702	[9101, 9102]	9775	[3415, 3869]
557	[1071, 1072]	3630	[5871, 3005]	6703	[9103, 9104]	9776	[9445, 1468]
558	[1073, 1074]	3631	[5872, 5873]	6704	[1718, 1176]	9777	[11299, 8098]
559	[1075, 1076]	3632	[2248, 1966]	6705	[4657, 5104]	9778	[11300, 11301]
560	[1077, 1078]	3633	[5874, 3025]	6706	[9105, 9106]	9779	[1121, 1039]
561	[1079, 1080]	3634	[5875, 5876]	6707	[8728, 8114]	9780	[4641, 9745]
562	[1081, 1082]	3635	[5877, 5878]	6708	[4293, 8008]	9781	[9568, 9462]
563	[1083, 1084]	3636	[5879, 5880]	6709	[9107, 4853]	9782	[7793, 5145]
564	[1085, 1086]	3637	[193, 2005]	6710	[8044, 9108]	9783	[7901, 4075]
565	[433, 1087]	3638	[5881, 2419]	6711	[3351, 8326]	9784	[9572, 11302]
566	[1088, 1089]	3639	[5882, 5883]	6712	[9109, 1644]	9785	[11303, 8141]
567	[1090, 1091]	3640	[5884, 5885]	6713	[8832, 9110]	9786	[5157, 7765]
568	[1092, 1093]	3641	[5886, 5887]	6714	[4482, 9111]	9787	[474, 9501]
569	[1094, 1095]	3642	[5888, 5889]	6715	[9112, 4487]	9788	[9600, 11304]
570	[1096, 1097]	3643	[5890, 5891]	6716	[437, 4022]	9789	[11305, 8000]
571	[252, 1098]	3644	[47, 2507]	6717	[9113, 9114]	9790	[11306, 11307]
572	[1099, 1100]	3645	[5892, 5299]	6718	[1209, 4761]	9791	[1258, 1656]
573	[1101, 1102]	3646	[2076, 5893]	6719	[9115, 1502]	9792	[11308, 11309]
574	[1103, 1104]	3647	[2652, 1811]	6720	[8173, 9116]	9793	[11310, 11311]
575	[1105, 1106]	3648	[5894, 5895]	6721	[4020, 1229]	9794	[11312, 11313]
576	[1107, 1108]	3649	[5896, 1825]	6722	[1215, 253]	9795	[9036, 4296]
577	[1109, 1110]	3650	[5897, 2637]	6723	[9117, 4519]	9796	[9100, 1650]
578	[1111, 1112]	3651	[5898, 5899]	6724	[9118, 9119]	9797	[7968, 5168]
579	[1113, 1114]	3652	[925, 5900]	6725	[3436, 3638]	9798	[11314, 9464]
580	[1115, 1116]	3653	[5901, 5902]	6726	[7966, 1697]	9799	[3419, 1383]
581	[1117, 1118]	3654	[5903, 5376]	6727	[8889, 382]	9800	[7631, 11315]
582	[1119, 1120]	3655	[5904, 5905]	6728	[3503, 360]	9801	[8017, 1625]
583	[1121, 1122]	3656	[5693, 5906]	6729	[9120, 305]	9802	[9065, 11316]
584	[1123, 1124]	3657	[5907, 5908]	6730	[5123, 9121]	9803	[11317, 3654]
585	[1125, 1126]	3658	[5909, 5910]	6731	[9122, 1438]	9804	[11318, 9023]
586	[1127, 1128]	3659	[5911, 5912]	6732	[9123, 3702]	9805	[11319, 9295]

587	[1129, 1130]	3660	[5913, 5914]	6733	[9124, 8366]	9806	[3877, 11320]
588	[1131, 1132]	3661	[5915, 5916]	6734	[5164, 9125]	9807	[5147, 1728]
589	[1133, 1134]	3662	[5917, 5918]	6735	[8340, 4005]	9808	[3832, 11321]
590	[1135, 1136]	3663	[2078, 5258]	6736	[9126, 4496]	9809	[7943, 1249]
591	[1137, 1138]	3664	[3150, 5794]	6737	[9127, 8919]	9810	[11322, 11323]
592	[1139, 1140]	3665	[2509, 5919]	6738	[9128, 7795]	9811	[11324, 11325]
593	[1141, 1142]	3666	[5920, 5553]	6739	[1447, 1636]	9812	[8974, 3294]
594	[1143, 1144]	3667	[5921, 5922]	6740	[8172, 4975]	9813	[11326, 9079]
595	[1145, 1146]	3668	[5923, 2732]	6741	[4469, 7996]	9814	[1195, 1503]
596	[1147, 1148]	3669	[5924, 553]	6742	[9129, 9130]	9815	[11327, 1645]
597	[1149, 1150]	3670	[5925, 5926]	6743	[8860, 9131]	9816	[4836, 4160]
598	[1151, 1152]	3671	[2608, 5927]	6744	[9132, 8788]	9817	[4756, 1527]
599	[1153, 1154]	3672	[3111, 5928]	6745	[9133, 9134]	9818	[9665, 490]
600	[1155, 1156]	3673	[5929, 5930]	6746	[9135, 3511]	9819	[3183, 11328]
601	[1157, 1158]	3674	[1953, 5441]	6747	[9136, 9056]	9820	[9672, 4638]
602	[1159, 1160]	3675	[5931, 5932]	6748	[9137, 4930]	9821	[11329, 8977]
603	[1161, 1162]	3676	[5933, 5934]	6749	[9138, 8474]	9822	[8375, 4257]
604	[1163, 1164]	3677	[5935, 5936]	6750	[9099, 1222]	9823	[4154, 11330]
605	[1165, 1166]	3678	[2721, 595]	6751	[9139, 9140]	9824	[7837, 3563]
606	[385, 1167]	3679	[5937, 5261]	6752	[8785, 3435]	9825	[9283, 11331]
607	[1168, 1169]	3680	[5938, 5654]	6753	[9141, 4239]	9826	[5190, 7625]
608	[1170, 1171]	3681	[2725, 5939]	6754	[9142, 9143]	9827	[1467, 1549]
609	[1172, 1173]	3682	[5940, 1817]	6755	[9144, 5206]	9828	[8726, 8730]
610	[1174, 1175]	3683	[3128, 3003]	6756	[9145, 258]	9829	[3551, 5213]
611	[68, 1176]	3684	[5941, 2343]	6757	[9146, 4646]	9830	[11332, 11333]
612	[70, 1177]	3685	[5942, 5943]	6758	[9147, 9148]	9831	[11334, 1437]
613	[1178, 1179]	3686	[5944, 3022]	6759	[964, 3908]	9832	[11335, 11336]
614	[1180, 1181]	3687	[5945, 5946]	6760	[371, 7905]	9833	[7905, 11337]
615	[1182, 1183]	3688	[5947, 1980]	6761	[8872, 3283]	9834	[11338, 3647]
616	[1184, 1185]	3689	[5948, 5588]	6762	[8976, 5110]	9835	[11339, 8990]
617	[1186, 1187]	3690	[5949, 5250]	6763	[9149, 9150]	9836	[7753, 5217]
618	[1188, 1189]	3691	[5950, 5785]	6764	[4249, 3960]	9837	[4623, 3783]
619	[1190, 1191]	3692	[5951, 5952]	6765	[9151, 9152]	9838	[11340, 7950]
620	[1192, 1193]	3693	[5953, 5954]	6766	[4706, 4664]	9839	[11341, 11342]
621	[1194, 1195]	3694	[5955, 5956]	6767	[8527, 4408]	9840	[9588, 4564]
622	[1196, 1197]	3695	[2429, 5957]	6768	[8702, 9153]	9841	[11343, 8582]
623	[1198, 1199]	3696	[5958, 2449]	6769	[9154, 9155]	9842	[11344, 11345]
624	[1200, 1201]	3697	[2459, 5959]	6770	[4220, 9156]	9843	[9108, 1068]
625	[1202, 1203]	3698	[5960, 5961]	6771	[9157, 8196]	9844	[4006, 11346]
626	[1204, 1205]	3699	[5962, 5963]	6772	[9158, 9159]	9845	[11347, 983]
627	[1206, 1207]	3700	[5964, 5965]	6773	[9160, 7945]	9846	[11348, 9478]
628	[1208, 1209]	3701	[708, 5966]	6774	[9161, 3404]	9847	[11349, 4285]
629	[1210, 1211]	3702	[5967, 2581]	6775	[5041, 7847]	9848	[385, 8939]
630	[1212, 1213]	3703	[5968, 5969]	6776	[9162, 9163]	9849	[9406, 7937]

631	[1214, 1215]	3704	[893, 2192]	6777	[9164, 4001]	9850	[11350, 9661]
632	[1216, 1217]	3705	[5970, 5971]	6778	[9165, 4268]	9851	[11350, 11351]
633	[1218, 1219]	3706	[5236, 3136]	6779	[9166, 1618]	9852	[1433, 9301]
634	[1220, 1221]	3707	[5972, 5973]	6780	[3887, 3977]	9853	[354, 976]
635	[970, 1222]	3708	[5974, 5975]	6781	[3329, 9167]	9854	[4649, 11352]
636	[1223, 1224]	3709	[5976, 5977]	6782	[9168, 9140]	9855	[11353, 9412]
637	[1225, 1226]	3710	[2825, 5978]	6783	[9169, 4926]	9856	[4365, 4526]
638	[954, 280]	3711	[5979, 5980]	6784	[8242, 8333]	9857	[3171, 3841]
639	[1227, 1228]	3712	[5981, 2645]	6785	[9170, 3457]	9858	[8963, 11354]
640	[1229, 464]	3713	[5982, 5983]	6786	[8189, 9171]	9859	[7799, 11355]
641	[1230, 1231]	3714	[5984, 5985]	6787	[7619, 9172]	9860	[8591, 9361]
642	[1232, 1233]	3715	[5986, 5987]	6788	[9173, 9174]	9861	[1605, 3255]
643	[1234, 1235]	3716	[5988, 2361]	6789	[9175, 1753]	9862	[3531, 466]
644	[1236, 1237]	3717	[5989, 5990]	6790	[4148, 9176]	9863	[7909, 4843]
645	[1238, 1239]	3718	[5991, 5928]	6791	[1231, 1372]	9864	[11356, 5046]
646	[1240, 1241]	3719	[5992, 5993]	6792	[8702, 3299]	9865	[8009, 8046]
647	[1242, 1243]	3720	[5994, 5862]	6793	[3177, 9177]	9866	[89, 282]
648	[1244, 1245]	3721	[5995, 5996]	6794	[9178, 1507]	9867	[11357, 312]
649	[1246, 1247]	3722	[2234, 618]	6795	[4105, 7871]	9868	[11358, 485]
650	[1248, 983]	3723	[5997, 2852]	6796	[9075, 9179]	9869	[1662, 11359]
651	[1066, 1249]	3724	[628, 5998]	6797	[5171, 9180]	9870	[3435, 4040]
652	[1250, 1251]	3725	[5999, 6000]	6798	[4332, 3531]	9871	[11360, 9492]
653	[1252, 1253]	3726	[6001, 6002]	6799	[9181, 7684]	9872	[9292, 8683]
654	[1254, 1255]	3727	[6003, 6004]	6800	[9182, 9183]	9873	[11361, 11285]
655	[1256, 1257]	3728	[624, 6005]	6801	[9184, 1238]	9874	[11362, 11363]
656	[1258, 1259]	3729	[6006, 6007]	6802	[9185, 8565]	9875	[11288, 3776]
657	[1260, 1261]	3730	[5696, 2455]	6803	[1269, 9186]	9876	[11364, 11365]
658	[1080, 1262]	3731	[6008, 6009]	6804	[9187, 8244]	9877	[11366, 9587]
659	[1263, 1264]	3732	[2412, 1995]	6805	[4975, 9116]	9878	[11367, 4839]
660	[959, 1265]	3733	[6010, 493]	6806	[9188, 4931]	9879	[11368, 8518]
661	[1266, 1267]	3734	[6011, 1871]	6807	[4516, 9189]	9880	[11369, 11370]
662	[1268, 1269]	3735	[1986, 1814]	6808	[352, 9190]	9881	[8805, 4953]
663	[1270, 1271]	3736	[6012, 2438]	6809	[9191, 9192]	9882	[11371, 3820]
664	[1272, 1273]	3737	[2702, 1922]	6810	[1442, 4443]	9883	[9027, 11372]
665	[1274, 1275]	3738	[6013, 6014]	6811	[8854, 5036]	9884	[11373, 9256]
666	[1276, 1277]	3739	[6015, 6016]	6812	[9193, 9194]	9885	[8456, 5222]
667	[1278, 1279]	3740	[6017, 5901]	6813	[4559, 7773]	9886	[11374, 11375]
668	[1280, 290]	3741	[6018, 2478]	6814	[8531, 9195]	9887	[11306, 9155]
669	[1281, 1282]	3742	[6019, 5527]	6815	[8772, 9196]	9888	[3759, 11376]
670	[1283, 1284]	3743	[6020, 2191]	6816	[4276, 3710]	9889	[1420, 29]
671	[1285, 1286]	3744	[6021, 6022]	6817	[9137, 9188]	9890	[8724, 8446]
672	[1287, 1288]	3745	[6023, 6024]	6818	[9197, 9198]	9891	[1576, 7593]
673	[1289, 1290]	3746	[6025, 6026]	6819	[9199, 5165]	9892	[11377, 3901]
674	[1291, 1110]	3747	[2360, 2071]	6820	[7990, 9200]	9893	[11378, 3756]

675	[1292, 467]	3748	[6027, 6028]	6821	[9201, 5181]	9894	[11379, 4424]
676	[1293, 1294]	3749	[6029, 6030]	6822	[4826, 9202]	9895	[4335, 9244]
677	[1295, 1296]	3750	[3139, 5838]	6823	[9203, 1088]	9896	[9556, 5111]
678	[1297, 1298]	3751	[2280, 6031]	6824	[7882, 5033]	9897	[8708, 11380]
679	[1299, 1300]	3752	[6032, 6033]	6825	[9204, 9198]	9898	[9735, 1675]
680	[1301, 1302]	3753	[6034, 2213]	6826	[8277, 9205]	9899	[3593, 11347]
681	[1303, 1304]	3754	[6035, 606]	6827	[3909, 109]	9900	[11381, 8923]
682	[999, 1305]	3755	[5461, 6036]	6828	[8190, 9206]	9901	[4066, 1038]
683	[1306, 1307]	3756	[6037, 6038]	6829	[9207, 9208]	9902	[11382, 8148]
684	[1308, 1309]	3757	[6039, 6040]	6830	[8943, 1465]	9903	[11383, 11384]
685	[1033, 1310]	3758	[6041, 6042]	6831	[9209, 4233]	9904	[11385, 3572]
686	[1311, 1312]	3759	[6034, 730]	6832	[9210, 9211]	9905	[11386, 8893]
687	[1313, 286]	3760	[6043, 5619]	6833	[1465, 362]	9906	[1094, 100]
688	[1314, 1315]	3761	[6044, 6045]	6834	[9212, 8729]	9907	[9168, 11387]
689	[1316, 1317]	3762	[2204, 54]	6835	[9213, 9070]	9908	[4222, 11388]
690	[1318, 1319]	3763	[201, 6046]	6836	[4784, 4536]	9909	[5060, 11389]
691	[1320, 1321]	3764	[2801, 6047]	6837	[9214, 9215]	9910	[11390, 1170]
692	[1322, 1323]	3765	[6048, 6049]	6838	[9216, 9217]	9911	[4843, 7628]
693	[1324, 1325]	3766	[6050, 5534]	6839	[303, 1716]	9912	[7653, 9276]
694	[1326, 1327]	3767	[32, 3139]	6840	[8233, 9053]	9913	[9515, 267]
695	[1328, 1329]	3768	[3096, 2739]	6841	[8811, 3256]	9914	[8382, 8533]
696	[1330, 1331]	3769	[5740, 6051]	6842	[9218, 4513]	9915	[8517, 11391]
697	[1332, 1333]	3770	[2837, 6052]	6843	[9219, 9220]	9916	[3293, 5099]
698	[1334, 1335]	3771	[6053, 2818]	6844	[3459, 3999]	9917	[9086, 7616]
699	[1336, 1151]	3772	[3123, 6054]	6845	[8762, 492]	9918	[11392, 9620]
700	[1337, 1338]	3773	[5299, 5622]	6846	[9221, 9222]	9919	[9118, 1134]
701	[1339, 1340]	3774	[5301, 512]	6847	[3368, 9223]	9920	[9001, 11393]
702	[1341, 1342]	3775	[6055, 6056]	6848	[4236, 1111]	9921	[4091, 11394]
703	[1343, 1344]	3776	[6057, 6058]	6849	[7621, 9224]	9922	[11395, 1192]
704	[1345, 1346]	3777	[6059, 6060]	6850	[9225, 3726]	9923	[4342, 9543]
705	[1347, 1348]	3778	[1960, 6061]	6851	[9226, 9227]	9924	[9691, 7898]
706	[1349, 1350]	3779	[6062, 6063]	6852	[3226, 1338]	9925	[1147, 11396]
707	[1351, 1352]	3780	[5784, 6064]	6853	[9170, 9228]	9926	[4678, 9121]
708	[1353, 1354]	3781	[6065, 6066]	6854	[9229, 1215]	9927	[4185, 8561]
709	[1355, 1356]	3782	[1962, 6067]	6855	[9230, 3254]	9928	[9437, 11397]
710	[1357, 1358]	3783	[188, 131]	6856	[4632, 9231]	9929	[4503, 1173]
711	[1359, 1360]	3784	[6068, 6069]	6857	[9232, 9233]	9930	[11398, 3672]
712	[1361, 1362]	3785	[172, 792]	6858	[9234, 3191]	9931	[8383, 4807]
713	[1363, 1364]	3786	[5363, 6070]	6859	[389, 3583]	9932	[11399, 1477]
714	[1365, 1366]	3787	[2755, 6071]	6860	[9235, 8985]	9933	[8711, 7761]
715	[1367, 1368]	3788	[6072, 6073]	6861	[3859, 8995]	9934	[11400, 11401]
716	[1237, 1151]	3789	[6074, 6075]	6862	[9236, 9237]	9935	[11402, 4240]
717	[1369, 1370]	3790	[6076, 2545]	6863	[9238, 1488]	9936	[336, 11403]
718	[1371, 1372]	3791	[6077, 6078]	6864	[9239, 113]	9937	[7848, 4701]

719	[1373, 1374]	3792	[201, 2043]	6865	[9240, 443]	9938	[4436, 11404]
720	[1375, 1376]	3793	[6079, 790]	6866	[8549, 4456]	9939	[8674, 3364]
721	[1377, 1378]	3794	[5845, 2317]	6867	[1424, 9241]	9940	[9726, 9565]
722	[1047, 1379]	3795	[6080, 6081]	6868	[8031, 9242]	9941	[1554, 9732]
723	[1380, 1381]	3796	[6082, 898]	6869	[9243, 4054]	9942	[8178, 8882]
724	[1382, 1383]	3797	[6083, 6084]	6870	[1475, 3307]	9943	[1100, 1201]
725	[1384, 1385]	3798	[3156, 6085]	6871	[3257, 1421]	9944	[4882, 9413]
726	[1386, 1387]	3799	[6086, 6087]	6872	[9244, 9059]	9945	[8088, 3522]
727	[1388, 1321]	3800	[2290, 5310]	6873	[9245, 8179]	9946	[11360, 7893]
728	[1389, 1390]	3801	[6088, 3123]	6874	[9246, 3625]	9947	[1307, 1639]
729	[24, 1391]	3802	[6089, 6090]	6875	[1183, 9247]	9948	[11405, 11406]
730	[1392, 1393]	3803	[894, 6091]	6876	[5046, 1774]	9949	[11302, 306]
731	[1394, 1395]	3804	[6092, 6093]	6877	[1639, 9248]	9950	[4457, 11342]
732	[1396, 1397]	3805	[221, 2072]	6878	[3306, 9249]	9951	[4868, 11407]
733	[282, 1398]	3806	[6094, 6095]	6879	[3999, 4113]	9952	[1210, 3371]
734	[1399, 1400]	3807	[6096, 5749]	6880	[7925, 9250]	9953	[3973, 11408]
735	[1401, 1402]	3808	[541, 6097]	6881	[9251, 8166]	9954	[11409, 11410]
736	[1403, 1404]	3809	[2635, 6098]	6882	[8292, 4665]	9955	[11411, 4806]
737	[1405, 1406]	3810	[6099, 3101]	6883	[9252, 3654]	9956	[11412, 4355]
738	[1407, 1408]	3811	[6100, 6101]	6884	[399, 9253]	9957	[4756, 11413]
739	[1409, 1410]	3812	[5711, 2760]	6885	[9254, 9255]	9958	[11414, 4374]
740	[1302, 1411]	3813	[6102, 6103]	6886	[8614, 73]	9959	[11415, 7955]
741	[1412, 1413]	3814	[6104, 2019]	6887	[8319, 7633]	9960	[8391, 3882]
742	[1414, 1415]	3815	[1886, 6105]	6888	[9256, 1511]	9961	[9184, 7729]
743	[1416, 1417]	3816	[1894, 5539]	6889	[8583, 9257]	9962	[291, 1414]
744	[1418, 1419]	3817	[6106, 6107]	6890	[1427, 1393]	9963	[9577, 7618]
745	[1420, 1421]	3818	[6108, 1933]	6891	[9258, 1009]	9964	[973, 1088]
746	[1422, 1062]	3819	[6109, 6110]	6892	[347, 3205]	9965	[11416, 7649]
747	[1423, 1424]	3820	[6111, 3097]	6893	[8675, 3667]	9966	[3606, 11417]
748	[962, 1425]	3821	[6112, 2]	6894	[9259, 9260]	9967	[7816, 4757]
749	[1426, 1427]	3822	[6113, 6114]	6895	[9261, 8745]	9968	[9648, 8182]
750	[1428, 1429]	3823	[3147, 6115]	6896	[9262, 8258]	9969	[3903, 8142]
751	[1430, 381]	3824	[6116, 6058]	6897	[9263, 1688]	9970	[8927, 11418]
752	[1431, 1148]	3825	[6117, 6118]	6898	[8564, 4074]	9971	[11419, 11420]
753	[3, 1432]	3826	[6119, 2373]	6899	[1049, 9264]	9972	[4992, 8265]
754	[1433, 1434]	3827	[6120, 6121]	6900	[9265, 3335]	9973	[7692, 1188]
755	[1322, 446]	3828	[164, 750]	6901	[4395, 1522]	9974	[336, 11421]
756	[1435, 1436]	3829	[6122, 6123]	6902	[9266, 9267]	9975	[9082, 4994]
757	[1013, 1437]	3830	[5934, 6124]	6903	[4217, 9268]	9976	[9642, 4891]
758	[1438, 1439]	3831	[6125, 6126]	6904	[9269, 4081]	9977	[11422, 11423]
759	[1440, 1441]	3832	[6127, 2293]	6905	[1299, 9270]	9978	[9596, 11424]
760	[1442, 1443]	3833	[6128, 6129]	6906	[8555, 7882]	9979	[4926, 11425]
761	[1444, 1445]	3834	[6130, 6131]	6907	[4487, 8501]	9980	[8270, 11426]
762	[1446, 1447]	3835	[3008, 635]	6908	[9271, 1202]	9981	[11427, 11428]

763	[1448, 1449]	3836	[6132, 6133]	6909	[8033, 7864]	9982	[4507, 7740]
764	[1450, 1451]	3837	[802, 6134]	6910	[9272, 9273]	9983	[8352, 3397]
765	[1452, 1453]	3838	[6135, 6136]	6911	[9274, 8436]	9984	[9504, 1098]
766	[1454, 1455]	3839	[6137, 863]	6912	[4606, 9275]	9985	[11429, 11430]
767	[1456, 1457]	3840	[6138, 540]	6913	[9276, 3304]	9986	[11431, 4097]
768	[1458, 1459]	3841	[5242, 930]	6914	[8309, 9277]	9987	[9414, 1060]
769	[1460, 266]	3842	[6139, 198]	6915	[9054, 3680]	9988	[11432, 11433]
770	[1461, 1462]	3843	[6140, 6052]	6916	[9278, 8532]	9989	[11434, 1224]
771	[1463, 1464]	3844	[6141, 6142]	6917	[9067, 8146]	9990	[4938, 8287]
772	[1465, 1182]	3845	[5885, 6143]	6918	[4046, 9279]	9991	[8170, 3855]
773	[1466, 1467]	3846	[6144, 6145]	6919	[4792, 1246]	9992	[11435, 11436]
774	[1468, 1469]	3847	[6146, 6147]	6920	[9280, 9281]	9993	[1069, 4320]
775	[1470, 1471]	3848	[6148, 6149]	6921	[9126, 8108]	9994	[8814, 1750]
776	[1472, 1473]	3849	[3149, 5793]	6922	[8012, 1757]	9995	[11437, 11438]
777	[1474, 1475]	3850	[6150, 5681]	6923	[5168, 9282]	9996	[8749, 416]
778	[1476, 1477]	3851	[6151, 5233]	6924	[9283, 5070]	9997	[7943, 11439]
779	[1478, 1479]	3852	[6152, 587]	6925	[1534, 409]	9998	[1638, 9600]
780	[1142, 1480]	3853	[6153, 6154]	6926	[9284, 7715]	9999	[8076, 1588]
781	[1481, 1482]	3854	[6155, 5311]	6927	[9285, 7601]	10000	[9392, 3241]
782	[1483, 1484]	3855	[6156, 6157]	6928	[9286, 472]	10001	[4113, 11440]
783	[1485, 1486]	3856	[5957, 5508]	6929	[9287, 7856]	10002	[9484, 3683]
784	[1487, 1488]	3857	[6158, 6159]	6930	[9288, 1099]	10003	[11441, 4536]
785	[1489, 1490]	3858	[6160, 6161]	6931	[9289, 9290]	10004	[11442, 1238]
786	[1491, 1492]	3859	[6162, 2743]	6932	[5181, 8423]	10005	[4279, 3902]
787	[1493, 1494]	3860	[6163, 6164]	6933	[9291, 5116]	10006	[11443, 3607]
788	[1495, 1496]	3861	[5495, 3093]	6934	[9292, 1472]	10007	[11444, 4961]
789	[1497, 1031]	3862	[6165, 6166]	6935	[9293, 9294]	10008	[4524, 4491]
790	[1498, 1499]	3863	[6167, 6168]	6936	[9295, 4234]	10009	[11445, 3179]
791	[1500, 1501]	3864	[6169, 1885]	6937	[4415, 9296]	10010	[8521, 9195]
792	[1502, 386]	3865	[1898, 6170]	6938	[3981, 4308]	10011	[9146, 103]
793	[340, 1503]	3866	[2916, 6171]	6939	[4899, 9297]	10012	[1401, 11446]
794	[1504, 1505]	3867	[2497, 6172]	6940	[4815, 8056]	10013	[8525, 8484]
795	[1506, 1507]	3868	[6131, 2379]	6941	[9298, 9299]	10014	[11447, 8026]
796	[1508, 1509]	3869	[6173, 6174]	6942	[9300, 8366]	10015	[3213, 5034]
797	[1510, 1511]	3870	[5591, 2423]	6943	[3856, 1340]	10016	[7657, 1041]
798	[1512, 1513]	3871	[2295, 2149]	6944	[3913, 8933]	10017	[3858, 7615]
799	[1514, 1050]	3872	[6175, 6176]	6945	[9301, 353]	10018	[4662, 4007]
800	[1515, 296]	3873	[2635, 5415]	6946	[9302, 8928]	10019	[1139, 11448]
801	[1516, 1517]	3874	[6177, 6178]	6947	[9233, 1535]	10020	[8988, 4573]
802	[1518, 1519]	3875	[6179, 6180]	6948	[9303, 4187]	10021	[1158, 1731]
803	[1520, 1521]	3876	[6181, 2139]	6949	[1014, 9304]	10022	[11449, 11450]
804	[1522, 1523]	3877	[2157, 6182]	6950	[3342, 9305]	10023	[11451, 1417]
805	[1524, 1525]	3878	[2229, 6183]	6951	[7712, 7814]	10024	[8749, 5129]
806	[1526, 1527]	3879	[6184, 6185]	6952	[9306, 8755]	10025	[4953, 3159]

807	[1528, 1529]	3880	[6186, 817]	6953	[4201, 8338]	10026	[11452, 7902]
808	[1530, 1531]	3881	[6187, 2491]	6954	[3763, 8854]	10027	[11453, 11414]
809	[256, 963]	3882	[6145, 6188]	6955	[9307, 8149]	10028	[7922, 8276]
810	[1532, 1533]	3883	[6189, 5883]	6956	[9308, 9185]	10029	[3715, 1768]
811	[1534, 1535]	3884	[5432, 6190]	6957	[9309, 9310]	10030	[8794, 1385]
812	[1536, 1537]	3885	[5799, 6191]	6958	[9311, 1138]	10031	[8355, 5149]
813	[1538, 1539]	3886	[6192, 6193]	6959	[9312, 9313]	10032	[11454, 11420]
814	[1540, 1541]	3887	[626, 6194]	6960	[9314, 4144]	10033	[8256, 3664]
815	[1542, 1543]	3888	[6195, 6196]	6961	[9315, 9316]	10034	[3328, 11318]
816	[1544, 1545]	3889	[6197, 6198]	6962	[8712, 1313]	10035	[5203, 4612]
817	[1546, 1547]	3890	[2386, 6199]	6963	[9317, 9318]	10036	[11455, 3206]
818	[1548, 108]	3891	[2572, 6200]	6964	[4989, 376]	10037	[992, 3649]
819	[1549, 1550]	3892	[6201, 2753]	6965	[9319, 4173]	10038	[8349, 11456]
820	[1551, 1552]	3893	[6202, 6203]	6966	[9320, 7726]	10039	[466, 1279]
821	[1553, 1554]	3894	[6204, 199]	6967	[9321, 967]	10040	[3920, 8821]
822	[346, 118]	3895	[6205, 6206]	6968	[4342, 9322]	10041	[5036, 7654]
823	[1555, 1556]	3896	[5628, 6207]	6969	[9323, 1367]	10042	[11457, 11458]
824	[284, 1557]	3897	[6208, 6209]	6970	[9324, 9325]	10043	[11459, 11436]
825	[1558, 1559]	3898	[546, 6210]	6971	[1017, 4220]	10044	[11460, 11461]
826	[1084, 1560]	3899	[6211, 2812]	6972	[4501, 3987]	10045	[11462, 7788]
827	[1561, 1562]	3900	[773, 5959]	6973	[1049, 3599]	10046	[9444, 8371]
828	[1563, 1564]	3901	[6212, 2191]	6974	[1719, 9326]	10047	[7995, 11463]
829	[1565, 1566]	3902	[6213, 6214]	6975	[9327, 8085]	10048	[3444, 11464]
830	[1567, 1568]	3903	[6215, 6216]	6976	[1395, 117]	10049	[11465, 11421]
831	[1569, 1282]	3904	[5391, 6217]	6977	[9328, 3332]	10050	[11466, 3225]
832	[1570, 1571]	3905	[6218, 6219]	6978	[9329, 8196]	10051	[11467, 3741]
833	[1284, 1572]	3906	[6220, 2108]	6979	[9330, 8195]	10052	[9096, 7611]
834	[1573, 1574]	3907	[6221, 6222]	6980	[9331, 1619]	10053	[8235, 9032]
835	[1575, 1576]	3908	[635, 6223]	6981	[3408, 1136]	10054	[3475, 11468]
836	[1577, 1578]	3909	[6224, 6225]	6982	[9332, 9333]	10055	[11383, 8002]
837	[1579, 1580]	3910	[6226, 6227]	6983	[9334, 8149]	10056	[11469, 11470]
838	[1581, 1582]	3911	[6228, 6229]	6984	[3830, 9335]	10057	[4887, 5103]
839	[1583, 1584]	3912	[6230, 6231]	6985	[8881, 8870]	10058	[7973, 11471]
840	[87, 1585]	3913	[6232, 1881]	6986	[8431, 9336]	10059	[5190, 7752]
841	[1586, 1289]	3914	[6233, 796]	6987	[8539, 4123]	10060	[11288, 8169]
842	[1587, 1588]	3915	[6234, 6235]	6988	[9337, 4821]	10061	[4643, 1300]
843	[1589, 1590]	3916	[2063, 6236]	6989	[7952, 3589]	10062	[9671, 4637]
844	[1591, 1592]	3917	[2463, 1837]	6990	[1354, 7622]	10063	[11472, 11441]
845	[1593, 1594]	3918	[6237, 6238]	6991	[1648, 9338]	10064	[3542, 11473]
846	[1595, 300]	3919	[2595, 1956]	6992	[9339, 7689]	10065	[9254, 4767]
847	[1596, 1597]	3920	[5954, 947]	6993	[8180, 9315]	10066	[11335, 3549]
848	[1181, 1598]	3921	[6239, 6240]	6994	[403, 8662]	10067	[427, 11474]
849	[1599, 1123]	3922	[6241, 5497]	6995	[9340, 4965]	10068	[11475, 4579]
850	[1600, 1601]	3923	[6242, 6243]	6996	[9341, 8079]	10069	[1417, 11476]

851	[412, 1602]	3924	[6244, 6245]	6997	[9342, 3619]	10070	[11303, 4755]
852	[1603, 1604]	3925	[6246, 6247]	6998	[9343, 4126]	10071	[11477, 1690]
853	[430, 1605]	3926	[6248, 2153]	6999	[9012, 8120]	10072	[4971, 1377]
854	[1606, 1607]	3927	[2777, 6249]	7000	[9344, 8005]	10073	[1604, 3978]
855	[1608, 1609]	3928	[5433, 6250]	7001	[9345, 3902]	10074	[5102, 78]
856	[1610, 1611]	3929	[6251, 6252]	7002	[3909, 9346]	10075	[11478, 7907]
857	[1612, 1613]	3930	[6253, 6254]	7003	[4545, 3581]	10076	[11479, 478]
858	[1614, 1147]	3931	[672, 62]	7004	[9347, 8490]	10077	[11480, 4247]
859	[1615, 1616]	3932	[6255, 6256]	7005	[9348, 1192]	10078	[1027, 11481]
860	[1617, 1618]	3933	[6245, 6257]	7006	[8079, 1770]	10079	[1436, 9369]
861	[1619, 1620]	3934	[6258, 6259]	7007	[4485, 9314]	10080	[983, 11465]
862	[1621, 1622]	3935	[6260, 6261]	7008	[9349, 1533]	10081	[1194, 340]
863	[1623, 1624]	3936	[6262, 6263]	7009	[9350, 3929]	10082	[11482, 3780]
864	[323, 1625]	3937	[2388, 6142]	7010	[363, 3701]	10083	[11478, 11483]
865	[1626, 1627]	3938	[6014, 5611]	7011	[8025, 9351]	10084	[1717, 11484]
866	[1628, 1629]	3939	[6264, 5647]	7012	[1648, 4187]	10085	[11485, 11426]
867	[1630, 1631]	3940	[6265, 6266]	7013	[9352, 8445]	10086	[7716, 3323]
868	[1632, 1633]	3941	[6267, 762]	7014	[9353, 4044]	10087	[11486, 9738]
869	[1226, 1634]	3942	[5347, 6268]	7015	[1410, 3423]	10088	[5181, 11487]
870	[1635, 1636]	3943	[3067, 6269]	7016	[8369, 401]	10089	[3431, 11388]
871	[1637, 1638]	3944	[6066, 671]	7017	[8714, 7857]	10090	[11488, 11489]
872	[1639, 1640]	3945	[6270, 6271]	7018	[9354, 3878]	10091	[11490, 11491]
873	[1641, 1642]	3946	[2140, 6272]	7019	[1520, 9355]	10092	[11492, 1024]
874	[1643, 1644]	3947	[6273, 6274]	7020	[8042, 3894]	10093	[8314, 430]
875	[1645, 1646]	3948	[6275, 6276]	7021	[3969, 1341]	10094	[11434, 8872]
876	[1647, 1648]	3949	[2616, 6277]	7022	[9356, 9357]	10095	[11493, 1026]
877	[1649, 1000]	3950	[6278, 2237]	7023	[4738, 9358]	10096	[5216, 3316]
878	[1650, 1651]	3951	[6279, 6280]	7024	[82, 8476]	10097	[4264, 11494]
879	[1652, 1653]	3952	[6281, 2380]	7025	[9117, 9359]	10098	[11495, 4284]
880	[1654, 1655]	3953	[2869, 6282]	7026	[7989, 1061]	10099	[4581, 4561]
881	[1656, 1657]	3954	[6283, 6284]	7027	[8892, 9360]	10100	[11496, 370]
882	[1658, 1595]	3955	[6285, 6286]	7028	[7994, 4426]	10101	[4617, 3326]
883	[1659, 1660]	3956	[6287, 6288]	7029	[1058, 9361]	10102	[1135, 11497]
884	[1661, 1662]	3957	[6289, 2707]	7030	[9362, 9363]	10103	[1275, 3493]
885	[1663, 1664]	3958	[6290, 5355]	7031	[9364, 9365]	10104	[4720, 11498]
886	[1665, 1666]	3959	[6291, 6292]	7032	[4604, 3264]	10105	[4169, 4001]
887	[1667, 1668]	3960	[862, 5475]	7033	[9325, 9366]	10106	[11447, 8937]
888	[1669, 1670]	3961	[2833, 6251]	7034	[8946, 4096]	10107	[11499, 8672]
889	[1671, 1672]	3962	[6293, 2577]	7035	[7728, 8768]	10108	[8959, 8880]
890	[295, 1673]	3963	[2463, 6294]	7036	[8839, 4854]	10109	[3425, 4661]
891	[1674, 1675]	3964	[2144, 244]	7037	[9367, 4533]	10110	[11457, 3704]
892	[1676, 1677]	3965	[6295, 6296]	7038	[9368, 8342]	10111	[11500, 7667]
893	[1678, 1679]	3966	[6297, 5232]	7039	[5134, 9369]	10112	[4793, 3474]
894	[1680, 1681]	3967	[2158, 6298]	7040	[9370, 7743]	10113	[7742, 9225]

895	[1682, 1683]	3968	[2835, 6272]	7041	[4292, 4413]	10114	[7805, 11501]
896	[1684, 1685]	3969	[234, 2453]	7042	[4500, 3862]	10115	[9274, 11502]
897	[1686, 1687]	3970	[6299, 6300]	7043	[9371, 9372]	10116	[8629, 1028]
898	[1688, 1689]	3971	[6301, 6302]	7044	[4285, 281]	10117	[11503, 11504]
899	[1690, 1691]	3972	[2671, 6303]	7045	[9373, 9301]	10118	[11505, 11506]
900	[1692, 1693]	3973	[6304, 5775]	7046	[4350, 9374]	10119	[3279, 8736]
901	[1407, 1694]	3974	[6305, 5589]	7047	[1641, 8054]	10120	[3801, 4361]
902	[1695, 1696]	3975	[6306, 6015]	7048	[9375, 9376]	10121	[8543, 4132]
903	[1697, 1698]	3976	[6307, 6308]	7049	[9331, 4475]	10122	[7669, 1399]
904	[1699, 1700]	3977	[6193, 6309]	7050	[4954, 4876]	10123	[11507, 3689]
905	[1701, 1702]	3978	[6310, 2531]	7051	[1112, 4519]	10124	[4161, 11508]
906	[113, 105]	3979	[2469, 775]	7052	[1122, 3662]	10125	[11509, 3498]
907	[1703, 1704]	3980	[533, 1811]	7053	[9377, 8070]	10126	[4338, 11398]
908	[1705, 1706]	3981	[6311, 6312]	7054	[9378, 9379]	10127	[1352, 11510]
909	[1707, 1708]	3982	[6313, 1945]	7055	[9380, 8987]	10128	[8711, 4124]
910	[1709, 1710]	3983	[218, 6314]	7056	[8744, 4038]	10129	[1421, 3713]
911	[1711, 1712]	3984	[6315, 6316]	7057	[9381, 9382]	10130	[11286, 11511]
912	[1713, 1714]	3985	[6317, 6318]	7058	[9383, 7937]	10131	[8876, 4945]
913	[306, 1715]	3986	[6319, 5919]	7059	[954, 9044]	10132	[8130, 8644]
914	[1716, 1717]	3987	[6320, 2265]	7060	[1057, 8591]	10133	[11460, 4401]
915	[1718, 1719]	3988	[6321, 5672]	7061	[9384, 8119]	10134	[8661, 4157]
916	[1720, 1721]	3989	[2037, 6322]	7062	[4315, 3650]	10135	[4681, 4198]
917	[1722, 356]	3990	[6323, 5303]	7063	[7864, 4517]	10136	[4377, 11512]
918	[1723, 1724]	3991	[6324, 6325]	7064	[1153, 3810]	10137	[5062, 1735]
919	[1725, 1726]	3992	[6326, 845]	7065	[9385, 3371]	10138	[4930, 11513]
920	[1727, 1728]	3993	[6327, 6328]	7066	[9386, 8655]	10139	[11514, 11515]
921	[416, 1729]	3994	[6329, 5698]	7067	[7613, 328]	10140	[9178, 9076]
922	[1730, 1731]	3995	[6330, 6331]	7068	[9339, 9387]	10141	[9113, 7784]
923	[1732, 1733]	3996	[6332, 5812]	7069	[9388, 9257]	10142	[3660, 4690]
924	[1734, 1735]	3997	[6333, 6155]	7070	[477, 9389]	10143	[1475, 3602]
925	[1736, 1737]	3998	[5374, 5895]	7071	[9390, 9106]	10144	[1574, 365]
926	[1738, 1739]	3999	[6334, 2812]	7072	[9391, 9392]	10145	[11516, 8988]
927	[1740, 1741]	4000	[6335, 6336]	7073	[7785, 9393]	10146	[11517, 997]
928	[1742, 1560]	4001	[6337, 6057]	7074	[9394, 1446]	10147	[8029, 3618]
929	[1743, 1744]	4002	[2036, 6338]	7075	[9395, 9396]	10148	[7831, 11518]
930	[1745, 1746]	4003	[6339, 725]	7076	[3631, 1066]	10149	[4938, 375]
931	[72, 1747]	4004	[6340, 6341]	7077	[3509, 9397]	10150	[8705, 8039]
932	[1748, 1749]	4005	[239, 5887]	7078	[1770, 9398]	10151	[9408, 3770]
933	[1750, 66]	4006	[6342, 5912]	7079	[9399, 4269]	10152	[7687, 5122]
934	[1751, 1752]	4007	[6343, 771]	7080	[9400, 1692]	10153	[11519, 11520]
935	[1753, 1754]	4008	[1913, 6344]	7081	[9401, 8075]	10154	[7865, 11521]
936	[1755, 370]	4009	[6345, 6346]	7082	[9335, 4445]	10155	[11522, 3899]
937	[1756, 1757]	4010	[6347, 6348]	7083	[3776, 9402]	10156	[8505, 108]
938	[1758, 1759]	4011	[2011, 6349]	7084	[999, 3884]	10157	[1478, 11523]

939	[1760, 1325]	4012	[2440, 6206]	7085	[8202, 8931]	10158	[11495, 7966]
940	[1761, 1762]	4013	[6350, 6197]	7086	[7745, 5120]	10159	[318, 3727]
941	[1763, 1764]	4014	[6351, 2351]	7087	[9403, 1213]	10160	[11524, 11525]
942	[1765, 1766]	4015	[2560, 6352]	7088	[3561, 1248]	10161	[3866, 1281]
943	[1541, 1767]	4016	[2386, 2857]	7089	[9404, 9405]	10162	[9544, 7805]
944	[1768, 1391]	4017	[6353, 6354]	7090	[8395, 7838]	10163	[4115, 9221]
945	[1769, 1770]	4018	[6355, 6300]	7091	[9301, 277]	10164	[7902, 9583]
946	[1771, 1772]	4019	[6356, 841]	7092	[9406, 4263]	10165	[9724, 8513]
947	[1773, 1774]	4020	[6357, 6358]	7093	[9407, 5117]	10166	[11526, 4366]
948	[1775, 1776]	4021	[6359, 6360]	7094	[9263, 8950]	10167	[9215, 11527]
949	[1777, 1778]	4022	[6361, 907]	7095	[9408, 4754]	10168	[3553, 11528]
950	[1779, 1780]	4023	[5365, 6188]	7096	[9409, 4794]	10169	[3811, 8291]
951	[1781, 1782]	4024	[6362, 6363]	7097	[8866, 8408]	10170	[4258, 1284]
952	[1783, 1784]	4025	[769, 3148]	7098	[7862, 9410]	10171	[11345, 118]
953	[1785, 550]	4026	[5832, 6364]	7099	[4120, 5038]	10172	[8285, 3993]
954	[1786, 1787]	4027	[197, 811]	7100	[1705, 1475]	10173	[11529, 1006]
955	[1788, 1789]	4028	[1920, 46]	7101	[8549, 9411]	10174	[3684, 9586]
956	[1790, 1791]	4029	[6365, 5712]	7102	[1077, 9412]	10175	[11530, 5153]
957	[1792, 1793]	4030	[6366, 6367]	7103	[1386, 9413]	10176	[1578, 11531]
958	[1794, 1795]	4031	[6368, 6369]	7104	[9414, 9415]	10177	[8454, 3893]
959	[1796, 1797]	4032	[6370, 3146]	7105	[3378, 9416]	10178	[7851, 8337]
960	[1798, 215]	4033	[2285, 6371]	7106	[119, 9138]	10179	[4345, 9277]
961	[1799, 1800]	4034	[2582, 572]	7107	[3970, 8693]	10180	[11532, 3665]
962	[1801, 1802]	4035	[2022, 2393]	7108	[9417, 4541]	10181	[8541, 4902]
963	[502, 635]	4036	[8, 2144]	7109	[4947, 3234]	10182	[4059, 11533]
964	[504, 1803]	4037	[3033, 2273]	7110	[9418, 9419]	10183	[8426, 11534]
965	[1804, 1805]	4038	[6372, 2648]	7111	[9420, 9421]	10184	[11535, 11536]
966	[1806, 598]	4039	[6373, 5573]	7112	[8639, 9422]	10185	[5084, 4422]
967	[1807, 1808]	4040	[6374, 2801]	7113	[8251, 398]	10186	[9500, 3887]
968	[1809, 1810]	4041	[6375, 6376]	7114	[9423, 4808]	10187	[8500, 11537]
969	[1811, 1812]	4042	[6377, 3098]	7115	[9424, 3540]	10188	[1008, 8974]
970	[1813, 1814]	4043	[2005, 2391]	7116	[994, 9425]	10189	[4929, 4381]
971	[1815, 1816]	4044	[5545, 6378]	7117	[449, 436]	10190	[262, 422]
972	[1817, 714]	4045	[6379, 6380]	7118	[9426, 3938]	10191	[4323, 4415]
973	[1818, 1819]	4046	[6381, 6382]	7119	[3942, 9427]	10192	[11538, 4851]
974	[1820, 1821]	4047	[5379, 5893]	7120	[9428, 8164]	10193	[11539, 9498]
975	[1822, 1823]	4048	[249, 2624]	7121	[1205, 8697]	10194	[3957, 11540]
976	[1824, 1825]	4049	[6262, 2473]	7122	[1294, 122]	10195	[3999, 1565]
977	[1826, 1827]	4050	[6383, 925]	7123	[4777, 9429]	10196	[11324, 1687]
978	[1828, 1829]	4051	[6384, 6168]	7124	[9430, 9431]	10197	[9435, 7994]
979	[1830, 1831]	4052	[6385, 6386]	7125	[9432, 8499]	10198	[11541, 9468]
980	[1832, 1833]	4053	[6387, 6388]	7126	[9433, 115]	10199	[8399, 11542]
981	[1834, 1835]	4054	[6389, 6390]	7127	[9434, 9435]	10200	[11543, 5057]
982	[1836, 777]	4055	[6391, 6392]	7128	[452, 263]	10201	[8282, 11544]

983	[1837, 1838]	4056	[6393, 2340]	7129	[9436, 8346]	10202	[4940, 11545]
984	[1839, 1840]	4057	[2408, 6394]	7130	[9437, 9438]	10203	[9714, 11546]
985	[848, 1841]	4058	[6395, 676]	7131	[4460, 7951]	10204	[11547, 1358]
986	[1842, 1843]	4059	[6396, 6397]	7132	[4613, 9439]	10205	[4874, 11548]
987	[1844, 1810]	4060	[2560, 6398]	7133	[7799, 4028]	10206	[1359, 11549]
988	[1845, 1846]	4061	[6399, 2404]	7134	[8686, 3513]	10207	[7700, 11550]
989	[1847, 1848]	4062	[6400, 562]	7135	[8450, 9440]	10208	[11551, 3905]
990	[1849, 593]	4063	[5606, 6401]	7136	[4451, 3601]	10209	[1303, 11552]
991	[1850, 1851]	4064	[5451, 3058]	7137	[8088, 3479]	10210	[3303, 3407]
992	[1852, 1853]	4065	[6402, 6403]	7138	[9441, 4939]	10211	[11553, 4276]
993	[1854, 695]	4066	[6404, 6405]	7139	[9442, 4050]	10212	[9747, 11554]
994	[1855, 1856]	4067	[6406, 602]	7140	[1236, 1336]	10213	[11555, 11556]
995	[1857, 541]	4068	[5814, 5696]	7141	[1101, 9443]	10214	[11482, 11557]
996	[1858, 1859]	4069	[6407, 6408]	7142	[9444, 4696]	10215	[11558, 11559]
997	[775, 1860]	4070	[14, 2143]	7143	[4925, 7594]	10216	[11560, 9709]
998	[1861, 1862]	4071	[6409, 6410]	7144	[9445, 4613]	10217	[8687, 3514]
999	[1863, 1864]	4072	[6411, 6412]	7145	[9446, 3587]	10218	[3911, 1780]
1000	[1865, 501]	4073	[5416, 2664]	7146	[1076, 3828]	10219	[411, 9377]
1001	[1866, 949]	4074	[6413, 3006]	7147	[4186, 9447]	10220	[3807, 4090]
1002	[789, 1867]	4075	[6414, 6415]	7148	[9448, 4446]	10221	[9286, 4782]
1003	[1868, 1869]	4076	[6416, 6417]	7149	[5047, 9449]	10222	[1291, 11561]
1004	[1870, 1871]	4077	[3143, 720]	7150	[4468, 7995]	10223	[3949, 9254]
1005	[1872, 1873]	4078	[6418, 6419]	7151	[3172, 988]	10224	[8384, 1364]
1006	[1874, 1875]	4079	[6420, 6421]	7152	[9450, 9451]	10225	[8976, 3385]
1007	[1876, 757]	4080	[6422, 6423]	7153	[4574, 3533]	10226	[11562, 11438]
1008	[1877, 1878]	4081	[6424, 5538]	7154	[9452, 3857]	10227	[11563, 11564]
1009	[1879, 1880]	4082	[6425, 504]	7155	[9453, 9454]	10228	[4874, 4636]
1010	[1881, 642]	4083	[6426, 6427]	7156	[9455, 9456]	10229	[4668, 11565]
1011	[1882, 1883]	4084	[5534, 6428]	7157	[8609, 3671]	10230	[3874, 8836]
1012	[1884, 882]	4085	[6429, 5825]	7158	[412, 8070]	10231	[5124, 4844]
1013	[1885, 1886]	4086	[6430, 6431]	7159	[9457, 9458]	10232	[8600, 8855]
1014	[1887, 1888]	4087	[6432, 6433]	7160	[1235, 1432]	10233	[3430, 4222]
1015	[1889, 1890]	4088	[6434, 6435]	7161	[9459, 4023]	10234	[11566, 7940]
1016	[1891, 1892]	4089	[816, 3117]	7162	[8576, 3798]	10235	[11567, 11556]
1017	[1893, 1894]	4090	[6436, 575]	7163	[9460, 3439]	10236	[11568, 9438]
1018	[1895, 1896]	4091	[5749, 6437]	7164	[3338, 3165]	10237	[8940, 99]
1019	[1897, 684]	4092	[6438, 6202]	7165	[9461, 9462]	10238	[11475, 11569]
1020	[1898, 1899]	4093	[6439, 6440]	7166	[4610, 7849]	10239	[4759, 3910]
1021	[581, 1900]	4094	[6441, 6442]	7167	[4634, 9463]	10240	[7859, 8223]
1022	[1901, 1902]	4095	[5495, 6443]	7168	[9457, 9464]	10241	[9639, 7705]
1023	[1903, 1904]	4096	[6444, 6445]	7169	[1106, 8503]	10242	[11570, 3420]
1024	[1905, 1906]	4097	[5254, 2102]	7170	[9107, 1546]	10243	[7605, 3481]
1025	[1907, 1908]	4098	[3104, 6446]	7171	[9197, 9465]	10244	[9580, 3945]
1026	[1909, 1910]	4099	[6447, 5336]	7172	[9466, 3627]	10245	[1377, 11571]

1027	[1911, 1912]	4100	[5965, 6448]	7173	[1714, 9467]	10246	[1672, 11572]
1028	[1913, 1914]	4101	[6449, 5894]	7174	[8448, 9468]	10247	[11573, 3261]
1029	[1915, 1916]	4102	[2657, 5628]	7175	[9469, 8943]	10248	[11574, 11424]
1030	[1917, 1918]	4103	[6450, 2172]	7176	[8745, 9246]	10249	[4683, 11575]
1031	[1919, 1920]	4104	[6451, 1914]	7177	[3193, 8403]	10250	[1618, 8635]
1032	[1921, 1922]	4105	[6452, 6453]	7178	[9470, 9471]	10251	[4583, 4436]
1033	[1923, 1924]	4106	[127, 571]	7179	[9472, 9085]	10252	[3871, 7958]
1034	[1925, 1926]	4107	[6181, 6454]	7180	[4743, 9473]	10253	[9432, 3751]
1035	[1927, 1928]	4108	[6455, 6456]	7181	[7963, 9421]	10254	[7627, 8834]
1036	[664, 1929]	4109	[6457, 184]	7182	[8371, 9352]	10255	[11369, 4717]
1037	[1930, 847]	4110	[6458, 6459]	7183	[4450, 1045]	10256	[8287, 11576]
1038	[1931, 1932]	4111	[6460, 6461]	7184	[9474, 4337]	10257	[4765, 11577]
1039	[1933, 1934]	4112	[6462, 6463]	7185	[9475, 1111]	10258	[9004, 9419]
1040	[694, 1868]	4113	[5650, 718]	7186	[9476, 9477]	10259	[11578, 11579]
1041	[1935, 1872]	4114	[6464, 3034]	7187	[4242, 9478]	10260	[371, 7738]
1042	[1936, 1937]	4115	[6465, 1907]	7188	[9479, 9480]	10261	[407, 11580]
1043	[1938, 1939]	4116	[38, 6099]	7189	[1670, 9481]	10262	[9476, 9208]
1044	[1940, 142]	4117	[6466, 938]	7190	[7883, 1275]	10263	[11581, 7635]
1045	[1941, 706]	4118	[6467, 6468]	7191	[9482, 7793]	10264	[11582, 11583]
1046	[1942, 1943]	4119	[6469, 6470]	7192	[9435, 4425]	10265	[11584, 11381]
1047	[1944, 1945]	4120	[6471, 6472]	7193	[8311, 8466]	10266	[11444, 1091]
1048	[1946, 1947]	4121	[2975, 6473]	7194	[8904, 3531]	10267	[11585, 4155]
1049	[1948, 1949]	4122	[2418, 6474]	7195	[8536, 5186]	10268	[9755, 392]
1050	[1950, 1951]	4123	[6475, 2522]	7196	[9483, 8236]	10269	[7596, 11586]
1051	[1952, 1953]	4124	[6476, 5537]	7197	[4366, 4527]	10270	[3649, 11587]
1052	[1954, 1955]	4125	[649, 2638]	7198	[9484, 8159]	10271	[8857, 11365]
1053	[815, 1956]	4126	[6477, 2568]	7199	[4376, 3558]	10272	[11588, 9372]
1054	[1957, 1958]	4127	[2937, 6478]	7200	[6, 4069]	10273	[376, 8372]
1055	[1959, 1960]	4128	[2645, 1959]	7201	[4404, 9485]	10274	[11573, 9459]
1056	[1961, 1962]	4129	[2335, 6479]	7202	[9486, 435]	10275	[9341, 1769]
1057	[1963, 1964]	4130	[5739, 6480]	7203	[8830, 9487]	10276	[9668, 3354]
1058	[1965, 47]	4131	[6481, 6482]	7204	[9488, 4511]	10277	[9466, 8798]
1059	[1966, 1967]	4132	[6483, 6484]	7205	[8141, 1526]	10278	[5089, 8173]
1060	[1968, 1969]	4133	[6485, 6378]	7206	[8726, 963]	10279	[89, 3923]
1061	[1970, 1971]	4134	[6486, 6487]	7207	[3756, 9489]	10280	[11589, 4186]
1062	[1972, 1973]	4135	[6488, 6489]	7208	[1100, 9490]	10281	[9272, 7929]
1063	[1974, 1975]	4136	[6490, 6491]	7209	[7837, 9491]	10282	[11522, 11590]
1064	[1976, 1977]	4137	[6492, 5844]	7210	[430, 1683]	10283	[11500, 1606]
1065	[1978, 1979]	4138	[2252, 5716]	7211	[9492, 7894]	10284	[11591, 1478]
1066	[1980, 1981]	4139	[6493, 6297]	7212	[4879, 8979]	10285	[9128, 3345]
1067	[1982, 1983]	4140	[6494, 6495]	7213	[9493, 1160]	10286	[9645, 11367]
1068	[1984, 242]	4141	[2956, 6309]	7214	[8415, 4380]	10287	[9167, 8357]
1069	[1985, 1986]	4142	[6496, 2008]	7215	[9494, 8819]	10288	[271, 9085]
1070	[1987, 1988]	4143	[6497, 6498]	7216	[8067, 1231]	10289	[4828, 4518]

1071	[1989, 1990]	4144	[5526, 6000]	7217	[8989, 9495]	10290	[1259, 11592]
1072	[1991, 1992]	4145	[2690, 6499]	7218	[9479, 9496]	10291	[11593, 11594]
1073	[1993, 1994]	4146	[6500, 649]	7219	[4918, 8369]	10292	[8723, 3805]
1074	[1823, 1995]	4147	[6501, 5381]	7220	[9497, 8677]	10293	[11595, 11451]
1075	[1996, 164]	4148	[6502, 5927]	7221	[9280, 9498]	10294	[3320, 11596]
1076	[1997, 1998]	4149	[2663, 6503]	7222	[9499, 8335]	10295	[9390, 11597]
1077	[1999, 929]	4150	[6504, 700]	7223	[9500, 3976]	10296	[1443, 3600]
1078	[2000, 2001]	4151	[6505, 6506]	7224	[9501, 1610]	10297	[11555, 11598]
1079	[2002, 2003]	4152	[5978, 5281]	7225	[4444, 8600]	10298	[11599, 7960]
1080	[2004, 2005]	4153	[2244, 6507]	7226	[9502, 333]	10299	[8405, 1631]
1081	[2006, 2007]	4154	[6508, 6509]	7227	[1261, 968]	10300	[9685, 7892]
1082	[2008, 2009]	4155	[6510, 5296]	7228	[9503, 1666]	10301	[8381, 8532]
1083	[2010, 2011]	4156	[6511, 6512]	7229	[3700, 489]	10302	[3675, 1453]
1084	[2012, 2013]	4157	[6513, 6127]	7230	[8089, 9504]	10303	[8251, 4829]
1085	[2014, 2015]	4158	[5789, 1817]	7231	[9505, 5057]	10304	[442, 11600]
1086	[2016, 2017]	4159	[6514, 6515]	7232	[9506, 8965]	10305	[9066, 3889]
1087	[2018, 2019]	4160	[6315, 6277]	7233	[4840, 9507]	10306	[1699, 3538]
1088	[2020, 2021]	4161	[6516, 6517]	7234	[9508, 9509]	10307	[11601, 11602]
1089	[2022, 2023]	4162	[6518, 6519]	7235	[9510, 9102]	10308	[1209, 11603]
1090	[657, 2024]	4163	[6520, 6521]	7236	[5008, 9511]	10309	[9576, 1482]
1091	[2025, 2026]	4164	[3007, 2401]	7237	[4866, 1610]	10310	[4574, 4165]
1092	[2027, 2028]	4165	[6522, 3063]	7238	[3519, 3831]	10311	[8414, 3343]
1093	[2029, 2030]	4166	[6523, 6524]	7239	[8892, 7852]	10312	[4154, 3843]
1094	[2031, 202]	4167	[5321, 6525]	7240	[4237, 9117]	10313	[4172, 11604]
1095	[2032, 2033]	4168	[6085, 6337]	7241	[9512, 4743]	10314	[110, 8723]
1096	[2034, 2035]	4169	[6526, 6527]	7242	[1650, 3229]	10315	[1448, 4192]
1097	[2036, 2037]	4170	[6528, 6529]	7243	[9513, 7755]	10316	[11605, 4103]
1098	[494, 638]	4171	[6530, 6531]	7244	[9502, 9514]	10317	[1614, 1431]
1099	[2038, 2039]	4172	[6532, 5991]	7245	[9515, 4343]	10318	[11606, 4417]
1100	[2040, 2041]	4173	[6533, 6534]	7246	[9516, 9517]	10319	[8622, 4846]
1101	[2042, 2043]	4174	[6535, 888]	7247	[8926, 9518]	10320	[11582, 4825]
1102	[563, 914]	4175	[6536, 6537]	7248	[9519, 5092]	10321	[1195, 11607]
1103	[2044, 932]	4176	[2846, 6502]	7249	[9520, 9147]	10322	[4370, 4662]
1104	[2045, 2046]	4177	[6538, 2110]	7250	[9521, 9522]	10323	[4078, 4830]
1105	[2047, 2048]	4178	[6539, 911]	7251	[9244, 9523]	10324	[4459, 7950]
1106	[2049, 2050]	4179	[808, 5513]	7252	[9396, 5159]	10325	[3162, 11608]
1107	[2051, 2052]	4180	[6540, 6541]	7253	[9507, 9524]	10326	[4126, 3243]
1108	[2053, 2054]	4181	[2418, 5261]	7254	[9525, 5007]	10327	[11609, 5020]
1109	[2043, 2055]	4182	[6542, 6543]	7255	[4856, 9526]	10328	[11356, 1773]
1110	[2056, 2057]	4183	[5955, 6544]	7256	[9527, 4121]	10329	[9581, 3946]
1111	[2058, 899]	4184	[6545, 2500]	7257	[9528, 8823]	10330	[11610, 11611]
1112	[2059, 2060]	4185	[6546, 6547]	7258	[9529, 8599]	10331	[11490, 9674]
1113	[2061, 2062]	4186	[6548, 6549]	7259	[9102, 4984]	10332	[3673, 11612]
1114	[2063, 2064]	4187	[2947, 6550]	7260	[8421, 9530]	10333	[4237, 1112]

1115	[2065, 2066]	4188	[6551, 2804]	7261	[9531, 4860]	10334	[8531, 11613]
1116	[2067, 2068]	4189	[6552, 6553]	7262	[9532, 4861]	10335	[9044, 4634]
1117	[2069, 2070]	4190	[6554, 6555]	7263	[9533, 4865]	10336	[4191, 11614]
1118	[710, 2071]	4191	[2912, 2105]	7264	[7885, 7899]	10337	[8757, 4331]
1119	[2072, 767]	4192	[6556, 5841]	7265	[1499, 475]	10338	[8365, 11615]
1120	[2073, 2074]	4193	[5424, 6557]	7266	[9534, 4362]	10339	[9123, 11595]
1121	[2075, 2076]	4194	[6558, 6559]	7267	[4139, 3965]	10340	[4967, 3351]
1122	[2077, 2078]	4195	[2217, 6560]	7268	[8007, 4828]	10341	[7662, 5121]
1123	[2079, 2080]	4196	[5585, 6561]	7269	[9535, 7787]	10342	[5140, 11616]
1124	[2081, 2082]	4197	[6562, 6563]	7270	[8005, 5205]	10343	[11617, 3766]
1125	[2083, 2084]	4198	[6564, 6565]	7271	[1098, 9536]	10344	[9217, 9636]
1126	[2085, 1918]	4199	[6566, 5645]	7272	[9537, 1179]	10345	[4750, 11618]
1127	[1979, 2086]	4200	[6567, 53]	7273	[9538, 8710]	10346	[4486, 8500]
1128	[2087, 2088]	4201	[6568, 6569]	7274	[9370, 7890]	10347	[1252, 11619]
1129	[2089, 2090]	4202	[6570, 6571]	7275	[4223, 9539]	10348	[3781, 8347]
1130	[793, 2091]	4203	[6572, 6573]	7276	[9540, 7995]	10349	[8964, 11620]
1131	[2092, 654]	4204	[6574, 6575]	7277	[9541, 9194]	10350	[3796, 1229]
1132	[2093, 2094]	4205	[6576, 6577]	7278	[8948, 4108]	10351	[4836, 11621]
1133	[2095, 2096]	4206	[6578, 6579]	7279	[8570, 3483]	10352	[467, 11622]
1134	[2097, 2098]	4207	[6580, 1980]	7280	[9542, 9543]	10353	[3173, 9428]
1135	[2099, 2100]	4208	[6026, 2446]	7281	[8824, 3964]	10354	[11578, 8097]
1136	[2101, 2102]	4209	[6581, 2148]	7282	[9544, 3995]	10355	[3289, 287]
1137	[2103, 2104]	4210	[6402, 6582]	7283	[1488, 8013]	10356	[8361, 9211]
1138	[2105, 742]	4211	[6583, 6549]	7284	[4025, 9545]	10357	[9590, 11623]
1139	[2106, 2107]	4212	[5845, 5343]	7285	[9546, 4731]	10358	[11486, 11624]
1140	[2108, 2109]	4213	[6584, 5913]	7286	[9547, 4512]	10359	[3902, 1471]
1141	[1866, 1796]	4214	[6585, 6586]	7287	[5090, 9548]	10360	[4467, 11625]
1142	[2110, 235]	4215	[6587, 6588]	7288	[9549, 1545]	10361	[8743, 3192]
1143	[2111, 2112]	4216	[5836, 5608]	7289	[8059, 9550]	10362	[11626, 1579]
1144	[2113, 2114]	4217	[6589, 6590]	7290	[8864, 9551]	10363	[3411, 7974]
1145	[2115, 2116]	4218	[6481, 6303]	7291	[9552, 8262]	10364	[9344, 3175]
1146	[2117, 2118]	4219	[6591, 6592]	7292	[1261, 9553]	10365	[8073, 11627]
1147	[2119, 2120]	4220	[5673, 5810]	7293	[9554, 9555]	10366	[8219, 9042]
1148	[2121, 141]	4221	[6593, 6594]	7294	[9556, 9557]	10367	[11628, 3414]
1149	[2122, 2123]	4222	[6595, 1791]	7295	[8724, 8762]	10368	[87, 11629]
1150	[646, 2124]	4223	[3080, 6596]	7296	[9558, 9559]	10369	[11305, 11630]
1151	[2125, 2126]	4224	[6597, 6598]	7297	[8888, 9560]	10370	[8236, 11631]
1152	[2127, 2128]	4225	[6599, 6600]	7298	[4074, 9561]	10371	[11373, 1510]
1153	[2129, 2130]	4226	[6209, 6505]	7299	[8217, 7849]	10372	[3927, 11632]
1154	[2131, 2132]	4227	[5457, 5773]	7300	[5156, 8345]	10373	[8729, 7862]
1155	[2133, 2134]	4228	[6601, 5342]	7301	[3984, 8390]	10374	[11633, 7687]
1156	[2135, 162]	4229	[6602, 6603]	7302	[9562, 9563]	10375	[1740, 11484]
1157	[2136, 2137]	4230	[6499, 6604]	7303	[9564, 4990]	10376	[1244, 11634]
1158	[2138, 2139]	4231	[6605, 6606]	7304	[9565, 4699]	10377	[9132, 3239]

1159	[2140, 2141]	4232	[6607, 2769]	7305	[9566, 9567]	10378	[305, 8646]
1160	[2142, 2143]	4233	[6608, 6609]	7306	[4832, 7837]	10379	[1473, 106]
1161	[2144, 2145]	4234	[6610, 1867]	7307	[9568, 9569]	10380	[8566, 11635]
1162	[846, 2146]	4235	[6611, 6020]	7308	[255, 8726]	10381	[11496, 4313]
1163	[842, 2147]	4236	[5778, 6612]	7309	[9129, 1365]	10382	[4388, 8062]
1164	[2148, 2149]	4237	[6613, 6614]	7310	[4235, 7925]	10383	[1668, 1262]
1165	[2150, 2151]	4238	[6615, 6616]	7311	[1188, 8099]	10384	[9141, 11402]
1166	[2152, 2153]	4239	[6617, 6618]	7312	[9570, 7791]	10385	[11636, 7753]
1167	[2154, 2155]	4240	[6619, 6620]	7313	[9571, 1118]	10386	[1372, 385]
1168	[2156, 2157]	4241	[6621, 5547]	7314	[9572, 70]	10387	[11637, 4372]
1169	[2158, 2159]	4242	[875, 6622]	7315	[4284, 9470]	10388	[4136, 9694]
1170	[2160, 2161]	4243	[1804, 657]	7316	[9021, 4479]	10389	[5079, 11638]
1171	[2162, 2163]	4244	[6623, 6624]	7317	[9573, 1021]	10390	[9727, 1592]
1172	[2164, 2165]	4245	[6625, 6626]	7318	[9574, 4681]	10391	[1000, 11639]
1173	[2166, 943]	4246	[2061, 6627]	7319	[7654, 9575]	10392	[11640, 11641]
1174	[2167, 2168]	4247	[6628, 5354]	7320	[7679, 4012]	10393	[8741, 262]
1175	[2169, 2170]	4248	[6629, 5679]	7321	[9576, 9265]	10394	[8127, 11642]
1176	[135, 2171]	4249	[6630, 6631]	7322	[4397, 1568]	10395	[3709, 11643]
1177	[139, 2172]	4250	[5482, 6632]	7323	[9577, 4580]	10396	[8495, 7986]
1178	[2173, 2174]	4251	[6633, 6634]	7324	[9578, 3315]	10397	[11644, 11645]
1179	[2175, 935]	4252	[6635, 3130]	7325	[3435, 9579]	10398	[11646, 3443]
1180	[525, 2176]	4253	[5232, 6636]	7326	[9381, 8093]	10399	[7748, 11647]
1181	[527, 2177]	4254	[612, 5643]	7327	[9580, 9581]	10400	[11327, 1609]
1182	[2178, 2179]	4255	[2997, 6637]	7328	[9582, 1380]	10401	[9694, 11648]
1183	[2180, 2181]	4256	[5890, 5240]	7329	[9583, 9584]	10402	[470, 7612]
1184	[2182, 2183]	4257	[6638, 2355]	7330	[9585, 9586]	10403	[3429, 4860]
1185	[2177, 2184]	4258	[6639, 6640]	7331	[8522, 9093]	10404	[11649, 11650]
1186	[2185, 2186]	4259	[1857, 2309]	7332	[9587, 1132]	10405	[473, 4865]
1187	[2187, 2188]	4260	[6641, 145]	7333	[9588, 9589]	10406	[4377, 3559]
1188	[2189, 2190]	4261	[6642, 6643]	7334	[298, 3517]	10407	[7607, 3469]
1189	[2191, 2192]	4262	[2888, 759]	7335	[3375, 457]	10408	[1645, 4858]
1190	[2193, 2194]	4263	[6644, 6645]	7336	[3777, 8703]	10409	[11651, 4934]
1191	[2195, 2196]	4264	[6646, 6647]	7337	[9590, 4762]	10410	[3300, 9379]
1192	[2197, 2198]	4265	[6648, 6649]	7338	[9348, 5209]	10411	[4644, 4051]
1193	[2199, 2200]	4266	[6650, 6651]	7339	[409, 3220]	10412	[11652, 7971]
1194	[2201, 2202]	4267	[3038, 2997]	7340	[5195, 9451]	10413	[8798, 3874]
1195	[2203, 641]	4268	[6652, 779]	7341	[4913, 4642]	10414	[8551, 1676]
1196	[2204, 2205]	4269	[6653, 37]	7342	[9591, 3813]	10415	[3169, 9012]
1197	[2206, 2207]	4270	[6654, 937]	7343	[9592, 3510]	10416	[4240, 1209]
1198	[650, 2208]	4271	[2373, 6655]	7344	[1370, 9138]	10417	[11653, 11654]
1199	[2209, 2210]	4272	[6656, 6657]	7345	[1056, 3781]	10418	[11655, 9016]
1200	[2211, 2212]	4273	[6658, 6659]	7346	[9593, 1115]	10419	[4138, 3511]
1201	[2213, 731]	4274	[5417, 2665]	7347	[8321, 9594]	10420	[1626, 4506]
1202	[2214, 2215]	4275	[6073, 6660]	7348	[8881, 9595]	10421	[1507, 11656]

1203	[2216, 2217]	4276	[6661, 647]	7349	[4981, 9091]	10422	[9380, 11657]
1204	[2218, 2219]	4277	[6662, 6663]	7350	[3846, 8970]	10423	[9488, 11658]
1205	[2220, 2221]	4278	[2777, 5503]	7351	[9596, 9597]	10424	[9497, 8632]
1206	[2222, 2223]	4279	[6245, 2668]	7352	[9027, 7934]	10425	[11659, 4542]
1207	[2224, 2225]	4280	[6664, 5408]	7353	[1229, 9598]	10426	[7974, 8431]
1208	[2226, 2227]	4281	[6665, 6666]	7354	[4991, 1198]	10427	[9338, 4188]
1209	[2228, 2229]	4282	[5420, 6667]	7355	[7998, 9599]	10428	[3239, 8174]
1210	[2230, 2231]	4283	[6668, 6669]	7356	[9600, 7935]	10429	[11503, 5025]
1211	[2232, 2233]	4284	[6670, 5634]	7357	[9601, 8566]	10430	[299, 3518]
1212	[2234, 2235]	4285	[6671, 554]	7358	[1064, 9602]	10431	[5167, 9340]
1213	[2236, 2237]	4286	[6672, 6673]	7359	[3515, 3937]	10432	[11660, 8378]
1214	[2238, 2239]	4287	[6674, 2476]	7360	[9603, 423]	10433	[7979, 4874]
1215	[2240, 2241]	4288	[6504, 6675]	7361	[9604, 3378]	10434	[9020, 11661]
1216	[2242, 2243]	4289	[6676, 2177]	7362	[9605, 4440]	10435	[11662, 3288]
1217	[2244, 2245]	4290	[712, 6677]	7363	[4657, 4626]	10436	[11663, 3219]
1218	[2246, 2247]	4291	[5282, 870]	7364	[116, 9606]	10437	[9349, 11664]
1219	[2248, 2249]	4292	[2951, 6678]	7365	[3821, 5082]	10438	[11623, 4763]
1220	[2250, 2251]	4293	[6679, 6680]	7366	[9019, 4154]	10439	[8605, 11321]
1221	[2252, 1959]	4294	[6681, 2632]	7367	[1313, 9607]	10440	[11514, 11401]
1222	[1812, 2253]	4295	[5375, 2218]	7368	[3270, 5027]	10441	[296, 11665]
1223	[2254, 2255]	4296	[1930, 895]	7369	[9608, 9609]	10442	[11666, 7793]
1224	[2256, 2257]	4297	[6682, 6683]	7370	[440, 1676]	10443	[11667, 8353]
1225	[2258, 2259]	4298	[6684, 5714]	7371	[1026, 320]	10444	[7867, 11668]
1226	[813, 2260]	4299	[6559, 5727]	7372	[9136, 3488]	10445	[9332, 8520]
1227	[2261, 2262]	4300	[6685, 6686]	7373	[7736, 9610]	10446	[7725, 11669]
1228	[2263, 2264]	4301	[2066, 3034]	7374	[8764, 1499]	10447	[9611, 11670]
1229	[2265, 2266]	4302	[930, 6583]	7375	[309, 1581]	10448	[11671, 11672]
1230	[2267, 2268]	4303	[6687, 1970]	7376	[9611, 9559]	10449	[11310, 3454]
1231	[2269, 750]	4304	[2108, 6688]	7377	[9612, 4834]	10450	[11673, 9174]
1232	[2270, 2271]	4305	[6689, 5366]	7378	[4859, 9613]	10451	[7833, 4311]
1233	[509, 2272]	4306	[6690, 6691]	7379	[9609, 4839]	10452	[3495, 11674]
1234	[2273, 2274]	4307	[6692, 6693]	7380	[9614, 9615]	10453	[7618, 4581]
1235	[2275, 2276]	4308	[6694, 2146]	7381	[8545, 9616]	10454	[1250, 11675]
1236	[2277, 2125]	4309	[6695, 6183]	7382	[4220, 3816]	10455	[8655, 8978]
1237	[2278, 1969]	4310	[6696, 6697]	7383	[8033, 4516]	10456	[4207, 1065]
1238	[2279, 2280]	4311	[6698, 6699]	7384	[8160, 1027]	10457	[7710, 3365]
1239	[2281, 2282]	4312	[6700, 5307]	7385	[1048, 3598]	10458	[9430, 3730]
1240	[2283, 2284]	4313	[6701, 6702]	7386	[9617, 3734]	10459	[11676, 11584]
1241	[2285, 2286]	4314	[6703, 6704]	7387	[5077, 5210]	10460	[4013, 5114]
1242	[2287, 2288]	4315	[6705, 5898]	7388	[9482, 8838]	10461	[1522, 11677]
1243	[2289, 2290]	4316	[5960, 6706]	7389	[7860, 9445]	10462	[3947, 1572]
1244	[848, 2291]	4317	[6707, 5870]	7390	[9618, 4633]	10463	[11381, 11678]
1245	[2292, 2293]	4318	[6708, 6709]	7391	[7642, 4019]	10464	[4193, 7823]
1246	[2294, 2295]	4319	[6710, 6711]	7392	[1473, 3972]	10465	[3335, 1350]

1247	[2296, 2297]	4320	[6712, 2056]	7393	[9619, 9620]	10466	[3170, 3840]
1248	[2298, 658]	4321	[6713, 6714]	7394	[9621, 9622]	10467	[9646, 11679]
1249	[1979, 871]	4322	[2773, 2951]	7395	[9623, 8421]	10468	[11649, 91]
1250	[2299, 2300]	4323	[6715, 6716]	7396	[4838, 9508]	10469	[9367, 11680]
1251	[2301, 659]	4324	[6717, 2363]	7397	[9624, 4863]	10470	[8041, 4641]
1252	[2302, 2303]	4325	[6230, 6718]	7398	[9625, 1702]	10471	[8119, 11681]
1253	[2304, 2305]	4326	[6719, 172]	7399	[9626, 9111]	10472	[9455, 9613]
1254	[2306, 2307]	4327	[6720, 6721]	7400	[9111, 5075]	10473	[21, 431]
1255	[1810, 2308]	4328	[6722, 6723]	7401	[9627, 1712]	10474	[4577, 11682]
1256	[2309, 2310]	4329	[6724, 5570]	7402	[3293, 9628]	10475	[4599, 4105]
1257	[2311, 2253]	4330	[2981, 6198]	7403	[3859, 9629]	10476	[4675, 8816]
1258	[2312, 2313]	4331	[6725, 2654]	7404	[8317, 9134]	10477	[11683, 4348]
1259	[2314, 2023]	4332	[6726, 902]	7405	[121, 9630]	10478	[8813, 4104]
1260	[2315, 2316]	4333	[5817, 6727]	7406	[4892, 8153]	10479	[5117, 4270]
1261	[2317, 2018]	4334	[6728, 182]	7407	[3875, 4659]	10480	[8595, 11684]
1262	[2003, 667]	4335	[6208, 6729]	7408	[7939, 4245]	10481	[294, 4778]
1263	[2318, 2319]	4336	[6730, 6415]	7409	[9433, 9631]	10482	[1321, 11685]
1264	[771, 2320]	4337	[6731, 6732]	7410	[8636, 3656]	10483	[7719, 11686]
1265	[2321, 2322]	4338	[6733, 3111]	7411	[4022, 8869]	10484	[11413, 11687]
1266	[2323, 2324]	4339	[6734, 6735]	7412	[4124, 9632]	10485	[9681, 1226]
1267	[2325, 2326]	4340	[6703, 2227]	7413	[8247, 3536]	10486	[11688, 4161]
1268	[2327, 2328]	4341	[6736, 2714]	7414	[9633, 4356]	10487	[9742, 8569]
1269	[2329, 2330]	4342	[6737, 5643]	7415	[4043, 9634]	10488	[4590, 5035]
1270	[2331, 2332]	4343	[578, 5851]	7416	[5102, 9635]	10489	[11689, 9057]
1271	[2047, 2333]	4344	[34, 611]	7417	[3186, 3204]	10490	[11690, 9496]
1272	[2334, 2335]	4345	[5747, 2934]	7418	[9636, 9637]	10491	[4133, 8254]
1273	[2336, 2337]	4346	[2903, 2537]	7419	[4795, 9638]	10492	[11691, 3410]
1274	[2338, 2339]	4347	[589, 6738]	7420	[9639, 9590]	10493	[3209, 3465]
1275	[2340, 157]	4348	[6739, 2171]	7421	[9640, 5160]	10494	[11692, 11693]
1276	[2341, 2342]	4349	[6740, 6715]	7422	[9641, 4658]	10495	[11694, 11549]
1277	[2315, 2343]	4350	[6741, 6269]	7423	[9642, 9643]	10496	[338, 4973]
1278	[2344, 2345]	4351	[6742, 6743]	7424	[9644, 7933]	10497	[4347, 11695]
1279	[2064, 2346]	4352	[215, 6122]	7425	[5035, 4045]	10498	[9187, 11696]
1280	[2347, 2348]	4353	[6744, 6264]	7426	[9645, 9609]	10499	[1670, 4330]
1281	[2349, 2350]	4354	[6745, 6565]	7427	[4108, 3464]	10500	[9697, 11697]
1282	[2351, 2352]	4355	[2611, 6723]	7428	[9646, 9622]	10501	[8688, 1660]
1283	[2353, 2354]	4356	[2027, 5238]	7429	[9647, 9455]	10502	[962, 4106]
1284	[2355, 808]	4357	[2993, 6532]	7430	[9648, 3949]	10503	[9088, 5052]
1285	[2356, 2357]	4358	[6746, 5902]	7431	[3904, 9649]	10504	[9359, 4688]
1286	[2246, 2358]	4359	[6747, 6748]	7432	[8842, 8902]	10505	[11698, 11699]
1287	[2359, 2360]	4360	[6749, 6750]	7433	[8947, 9650]	10506	[9470, 1698]
1288	[2361, 2362]	4361	[6751, 2109]	7434	[1146, 4900]	10507	[11516, 3348]
1289	[2363, 2364]	4362	[3123, 5963]	7435	[8912, 4072]	10508	[980, 8170]
1290	[2365, 676]	4363	[2545, 6752]	7436	[9651, 1251]	10509	[1589, 7718]

1291	[2366, 2367]	4364	[35, 2531]	7437	[3819, 9652]	10510	[349, 11700]
1292	[2368, 906]	4365	[5669, 6753]	7438	[8385, 9653]	10511	[4251, 11701]
1293	[615, 2369]	4366	[512, 5746]	7439	[9654, 9615]	10512	[4958, 4392]
1294	[2370, 245]	4367	[6754, 6755]	7440	[9452, 1307]	10513	[8485, 4428]
1295	[2371, 2372]	4368	[2031, 5275]	7441	[3803, 9655]	10514	[8015, 3202]
1296	[2373, 1997]	4369	[6616, 6756]	7442	[9375, 4728]	10515	[11702, 11703]
1297	[2374, 2375]	4370	[6757, 5239]	7443	[1519, 8365]	10516	[11704, 1399]
1298	[2376, 628]	4371	[6758, 6759]	7444	[5014, 9656]	10517	[11705, 9393]
1299	[2377, 2378]	4372	[3144, 721]	7445	[9657, 1743]	10518	[11326, 1708]
1300	[2379, 2380]	4373	[5760, 2733]	7446	[8694, 9658]	10519	[8083, 8253]
1301	[2381, 2382]	4374	[5764, 5387]	7447	[9659, 4640]	10520	[9313, 11706]
1302	[2383, 2384]	4375	[189, 6760]	7448	[9660, 9661]	10521	[7625, 11707]
1303	[2385, 2386]	4376	[6761, 6762]	7449	[9662, 9581]	10522	[11560, 11708]
1304	[2387, 2388]	4377	[6763, 6595]	7450	[7629, 8470]	10523	[7801, 1494]
1305	[2389, 2390]	4378	[5354, 1909]	7451	[9663, 5150]	10524	[11543, 4977]
1306	[2391, 2392]	4379	[6764, 5638]	7452	[9664, 9131]	10525	[394, 4256]
1307	[2393, 2394]	4380	[6765, 6766]	7453	[9665, 8399]	10526	[8003, 11709]
1308	[2395, 2396]	4381	[6767, 3099]	7454	[4100, 9666]	10527	[8681, 1289]
1309	[2397, 2033]	4382	[6768, 2445]	7455	[9667, 9563]	10528	[8774, 3746]
1310	[2398, 2399]	4383	[6769, 2633]	7456	[9668, 7661]	10529	[3394, 7997]
1311	[2400, 2401]	4384	[6770, 6771]	7457	[9002, 71]	10530	[4921, 3494]
1312	[2402, 2403]	4385	[6772, 3036]	7458	[9669, 8263]	10531	[3954, 4899]
1313	[2404, 2405]	4386	[6773, 822]	7459	[7651, 8336]	10532	[9265, 1349]
1314	[2406, 2407]	4387	[6012, 1830]	7460	[9670, 4556]	10533	[11646, 11710]
1315	[2408, 2409]	4388	[2192, 6774]	7461	[4994, 3203]	10534	[11711, 11712]
1316	[2410, 2411]	4389	[6677, 6775]	7462	[9671, 9672]	10535	[4, 4036]
1317	[1822, 2412]	4390	[6776, 6777]	7463	[4686, 1397]	10536	[8855, 9731]
1318	[2413, 2414]	4391	[5994, 6778]	7464	[9673, 9674]	10537	[11660, 11713]
1319	[2415, 2416]	4392	[6779, 6780]	7465	[9675, 9676]	10538	[3433, 1243]
1320	[2417, 2418]	4393	[6781, 6782]	7466	[8132, 9018]	10539	[11714, 3633]
1321	[2419, 895]	4394	[6783, 2927]	7467	[3868, 1299]	10540	[8479, 7760]
1322	[684, 2420]	4395	[2667, 2749]	7468	[8254, 3167]	10541	[9079, 3308]
1323	[2421, 2422]	4396	[6784, 6785]	7469	[9677, 9196]	10542	[8297, 3968]
1324	[2423, 2424]	4397	[6786, 836]	7470	[9678, 9679]	10543	[8357, 11715]
1325	[2425, 2426]	4398	[6787, 6788]	7471	[459, 5178]	10544	[8347, 11462]
1326	[2427, 1832]	4399	[6789, 2175]	7472	[9680, 373]	10545	[11716, 4840]
1327	[2428, 2429]	4400	[6790, 6791]	7473	[9681, 1536]	10546	[1635, 11717]
1328	[2175, 2430]	4401	[2070, 6557]	7474	[9682, 1705]	10547	[11718, 3610]
1329	[2431, 2405]	4402	[6323, 6792]	7475	[7639, 9224]	10548	[11719, 4816]
1330	[2432, 2433]	4403	[5762, 624]	7476	[3359, 9683]	10549	[9614, 11720]
1331	[2434, 2435]	4404	[6793, 2132]	7477	[9684, 8098]	10550	[11721, 7893]
1332	[2436, 2437]	4405	[6336, 6355]	7478	[9685, 9686]	10551	[11671, 9267]
1333	[2438, 1831]	4406	[943, 6794]	7479	[1379, 9687]	10552	[4697, 11722]
1334	[2439, 2440]	4407	[6795, 6796]	7480	[438, 8881]	10553	[11723, 11441]

1335	[2441, 809]	4408	[3119, 6797]	7481	[7949, 1599]	10554	[11724, 7813]
1336	[2442, 2127]	4409	[6798, 6799]	7482	[3200, 9688]	10555	[4979, 1464]
1337	[2443, 2444]	4410	[6800, 6801]	7483	[1331, 5163]	10556	[9009, 11725]
1338	[2445, 2446]	4411	[6802, 5359]	7484	[9689, 9690]	10557	[3320, 3623]
1339	[2447, 2448]	4412	[6168, 654]	7485	[9691, 3940]	10558	[7765, 1612]
1340	[2449, 2450]	4413	[6803, 6804]	7486	[3823, 9692]	10559	[8729, 425]
1341	[2451, 2452]	4414	[6678, 5471]	7487	[4055, 9693]	10560	[5147, 992]
1342	[2453, 2166]	4415	[2407, 6805]	7488	[9694, 8507]	10561	[11704, 7967]
1343	[2454, 2455]	4416	[6806, 2364]	7489	[9695, 3764]	10562	[4634, 1531]
1344	[2456, 2457]	4417	[6807, 5869]	7490	[9696, 9697]	10563	[8754, 11726]
1345	[2458, 2459]	4418	[6808, 6245]	7491	[3663, 4735]	10564	[8699, 3576]
1346	[2413, 38]	4419	[6809, 6810]	7492	[3620, 4322]	10565	[1016, 468]
1347	[2460, 2461]	4420	[6811, 6812]	7493	[7797, 3266]	10566	[3488, 1029]
1348	[2462, 2463]	4421	[6620, 6813]	7494	[1575, 4779]	10567	[1326, 979]
1349	[2464, 2465]	4422	[6084, 6814]	7495	[8975, 3295]	10568	[1196, 8992]
1350	[2466, 2467]	4423	[821, 6815]	7496	[9698, 4239]	10569	[9393, 3974]
1351	[2468, 2469]	4424	[6816, 2175]	7497	[9142, 4693]	10570	[3239, 9707]
1352	[2470, 2471]	4425	[6817, 6818]	7498	[8873, 9699]	10571	[3437, 1320]
1353	[2472, 2473]	4426	[6819, 161]	7499	[9700, 9062]	10572	[295, 11727]
1354	[2249, 2474]	4427	[2539, 5435]	7500	[9701, 8687]	10573	[9238, 4741]
1355	[2475, 2476]	4428	[6820, 570]	7501	[3649, 7737]	10574	[11717, 8267]
1356	[2477, 707]	4429	[5875, 6563]	7502	[4168, 9164]	10575	[11728, 9405]
1357	[879, 2478]	4430	[6030, 6821]	7503	[1603, 1351]	10576	[3959, 4725]
1358	[2422, 2479]	4431	[2802, 2928]	7504	[7817, 9702]	10577	[11729, 1623]
1359	[2480, 2234]	4432	[6822, 6446]	7505	[8137, 1143]	10578	[3215, 4414]
1360	[2481, 2482]	4433	[6823, 6824]	7506	[9070, 8122]	10579	[9099, 11730]
1361	[2483, 2484]	4434	[1901, 6825]	7507	[9138, 4005]	10580	[7972, 8033]
1362	[2485, 2486]	4435	[6826, 6827]	7508	[3887, 7638]	10581	[8366, 4004]
1363	[2487, 2488]	4436	[6828, 6829]	7509	[9703, 9704]	10582	[330, 11731]
1364	[2489, 2490]	4437	[6830, 2778]	7510	[9705, 7839]	10583	[11732, 1556]
1365	[2491, 2492]	4438	[2328, 6143]	7511	[9151, 4813]	10584	[8294, 11733]
1366	[2493, 2494]	4439	[2900, 5324]	7512	[8148, 9706]	10585	[11734, 8368]
1367	[2495, 2496]	4440	[6831, 6191]	7513	[9707, 8175]	10586	[4019, 11735]
1368	[2497, 2498]	4441	[6832, 6833]	7514	[8948, 3208]	10587	[8428, 1538]
1369	[2499, 2500]	4442	[5632, 5758]	7515	[9708, 9709]	10588	[4845, 1356]
1370	[2501, 2502]	4443	[6834, 6200]	7516	[9228, 9710]	10589	[11736, 11737]
1371	[2503, 2504]	4444	[6835, 6836]	7517	[9633, 9711]	10590	[11738, 9074]
1372	[2505, 2154]	4445	[6837, 6442]	7518	[4618, 7617]	10591	[8650, 11739]
1373	[2506, 2507]	4446	[6838, 5646]	7519	[9103, 9522]	10592	[9460, 11740]
1374	[1926, 2508]	4447	[6839, 563]	7520	[9712, 9713]	10593	[4167, 1144]
1375	[2509, 2510]	4448	[3126, 6840]	7521	[1187, 8329]	10594	[8257, 11741]
1376	[2291, 2511]	4449	[6588, 6841]	7522	[9714, 1776]	10595	[11742, 4238]
1377	[2512, 2513]	4450	[6842, 6843]	7523	[1087, 9715]	10596	[11743, 7970]
1378	[2514, 1910]	4451	[2621, 6844]	7524	[9716, 9717]	10597	[3341, 5064]

1379	[2145, 2515]	4452	[6845, 249]	7525	[9165, 9718]	10598	[11480, 3292]
1380	[2516, 2517]	4453	[672, 1799]	7526	[3411, 4195]	10599	[9442, 7796]
1381	[2518, 2519]	4454	[6846, 3115]	7527	[7988, 1345]	10600	[4752, 1722]
1382	[2520, 2521]	4455	[6847, 6848]	7528	[3256, 1420]	10601	[3643, 11744]
1383	[2508, 2522]	4456	[6849, 6850]	7529	[9659, 4092]	10602	[3490, 987]
1384	[2523, 1836]	4457	[5781, 5468]	7530	[9719, 4507]	10603	[11732, 4786]
1385	[2524, 2525]	4458	[6851, 2618]	7531	[8452, 1559]	10604	[11435, 11745]
1386	[2526, 2527]	4459	[510, 6852]	7532	[9720, 7669]	10605	[11655, 11746]
1387	[2528, 2335]	4460	[6853, 6854]	7533	[9409, 7811]	10606	[11366, 1131]
1388	[2529, 2530]	4461	[2398, 6855]	7534	[7925, 3743]	10607	[1600, 11499]
1389	[2531, 2532]	4462	[6856, 6857]	7535	[9721, 9074]	10608	[8447, 315]
1390	[2533, 2534]	4463	[6715, 6805]	7536	[483, 9179]	10609	[5034, 9347]
1391	[48, 2535]	4464	[6858, 2770]	7537	[9555, 3550]	10610	[8104, 4349]
1392	[2536, 2537]	4465	[1972, 11]	7538	[7685, 3911]	10611	[8992, 1394]
1393	[2538, 2539]	4466	[6859, 5744]	7539	[9722, 8388]	10612	[406, 1129]
1394	[2540, 234]	4467	[5513, 6149]	7540	[8667, 9217]	10613	[11717, 1308]
1395	[2541, 2542]	4468	[6860, 6861]	7541	[3354, 1343]	10614	[9603, 9308]
1396	[2543, 2544]	4469	[6862, 6863]	7542	[1500, 9639]	10615	[11547, 9726]
1397	[2545, 2546]	4470	[2875, 6864]	7543	[8506, 9723]	10616	[11747, 9294]
1398	[553, 162]	4471	[6865, 6866]	7544	[9309, 8460]	10617	[9235, 1002]
1399	[2547, 2548]	4472	[6867, 2851]	7545	[9724, 9725]	10618	[11477, 8216]
1400	[2549, 2550]	4473	[5614, 6868]	7546	[9726, 4500]	10619	[8414, 4467]
1401	[2551, 2552]	4474	[6869, 6870]	7547	[9727, 9728]	10620	[8064, 1763]
1402	[2553, 2554]	4475	[6871, 6872]	7548	[5038, 5004]	10621	[4171, 9027]
1403	[2555, 2556]	4476	[6873, 6005]	7549	[3857, 4680]	10622	[7727, 8767]
1404	[2557, 2558]	4477	[6874, 823]	7550	[8209, 3698]	10623	[11748, 11243]
1405	[2559, 2560]	4478	[6875, 543]	7551	[4202, 9729]	10624	[11749, 11750]
1406	[2561, 2562]	4479	[6876, 2572]	7552	[9605, 7734]	10625	[11751, 8617]
1407	[2563, 160]	4480	[6877, 6347]	7553	[9130, 1366]	10626	[11752, 9653]
1408	[2564, 2565]	4481	[5395, 5878]	7554	[9730, 9717]	10627	[313, 11753]
1409	[2566, 2567]	4482	[6878, 6879]	7555	[7881, 9731]	10628	[1602, 25]
1410	[2568, 2569]	4483	[6880, 6881]	7556	[4224, 9732]	10629	[11748, 11748]
1411	[2570, 2571]	4484	[1928, 6882]	7557	[9733, 8658]	10630	[7703, 8835]
1412	[2572, 2573]	4485	[2757, 5526]	7558	[9667, 9734]	10631	[11349, 88]
1413	[2574, 2575]	4486	[5573, 6883]	7559	[9298, 8516]	10632	[8752, 9509]
1414	[663, 2576]	4487	[203, 6884]	7560	[9735, 9736]	10633	[4052, 11754]
1415	[2577, 2578]	4488	[6885, 2802]	7561	[3961, 3574]	10634	[11755, 9679]
1416	[2579, 2580]	4489	[6886, 6887]	7562	[3513, 9292]	10635	[5221, 1461]
1417	[2581, 2582]	4490	[6888, 6889]	7563	[3642, 7868]	10636	[1231, 384]
1418	[1823, 2583]	4491	[6599, 6890]	7564	[4009, 4892]	10637	[11756, 11362]
1419	[2584, 2585]	4492	[6475, 6891]	7565	[9048, 3275]	10638	[11757, 11758]
1420	[2586, 61]	4493	[903, 6892]	7566	[4258, 3947]	10639	[287, 1457]
1421	[2587, 2588]	4494	[6859, 6893]	7567	[3512, 3966]	10640	[8226, 11759]
1422	[2589, 206]	4495	[2515, 5872]	7568	[9737, 9738]	10641	[1050, 1286]

1423	[2590, 2591]	4496	[6894, 6359]	7569	[5, 3393]	10642	[11760, 999]
1424	[2592, 1834]	4497	[6895, 5922]	7570	[3830, 4444]	10643	[5115, 1190]
1425	[2593, 810]	4498	[6645, 6896]	7571	[9337, 3410]	10644	[5183, 9240]
1426	[2161, 2594]	4499	[806, 5358]	7572	[9739, 9740]	10645	[9192, 11527]
1427	[1902, 2595]	4500	[2478, 5619]	7573	[9696, 4861]	10646	[8758, 8904]
1428	[2596, 2597]	4501	[6897, 6082]	7574	[8454, 9741]	10647	[1684, 3688]
1429	[2598, 2599]	4502	[6898, 5941]	7575	[4034, 338]	10648	[11761, 7933]
1430	[2600, 2601]	4503	[2452, 6764]	7576	[9742, 9743]	10649	[348, 3521]
1431	[2602, 1879]	4504	[6693, 6334]	7577	[9744, 4588]	10650	[8934, 1748]
1432	[2603, 2604]	4505	[6899, 6900]	7578	[9745, 9746]	10651	[11446, 11762]
1433	[2605, 2606]	4506	[647, 5325]	7579	[9747, 4334]	10652	[9644, 9424]
1434	[2607, 546]	4507	[6901, 6902]	7580	[8434, 9748]	10653	[11763, 8310]
1435	[2608, 2609]	4508	[6903, 558]	7581	[3805, 9749]	10654	[1157, 1730]
1436	[2610, 2611]	4509	[6904, 2027]	7582	[1411, 9750]	10655	[8909, 3233]
1437	[2612, 2543]	4510	[6905, 6906]	7583	[8467, 1413]	10656	[9259, 1055]
1438	[2613, 2614]	4511	[6781, 5678]	7584	[9751, 9752]	10657	[3924, 4118]
1439	[2615, 2616]	4512	[6907, 6257]	7585	[9753, 9219]	10658	[9068, 8171]
1440	[2617, 2618]	4513	[6908, 6909]	7586	[9754, 8371]	10659	[8758, 4332]
1441	[703, 2619]	4514	[6910, 6911]	7587	[9755, 1578]	10660	[8704, 11764]
1442	[2620, 2621]	4515	[2795, 5340]	7588	[1330, 5162]	10661	[11765, 8188]
1443	[2622, 2623]	4516	[6912, 5940]	7589	[293, 4777]	10662	[11633, 8303]
1444	[2624, 2625]	4517	[6798, 2026]	7590	[3304, 1135]	10663	[4443, 4451]
1445	[2626, 2627]	4518	[6913, 6516]	7591	[9756, 9757]	10664	[4023, 1725]
1446	[2519, 2628]	4519	[6614, 2088]	7592	[5589, 9758]	10665	[8301, 1326]
1447	[2629, 2395]	4520	[5876, 6914]	7593	[9759, 9760]	10666	[1491, 9040]
1448	[2630, 2631]	4521	[6649, 6915]	7594	[9761, 9762]	10667	[9108, 11766]
1449	[2632, 2633]	4522	[6916, 6083]	7595	[9763, 2837]	10668	[7938, 11767]
1450	[2634, 2635]	4523	[6917, 3156]	7596	[9764, 2323]	10669	[4538, 8741]
1451	[2636, 2637]	4524	[6918, 3077]	7597	[834, 3056]	10670	[11402, 1208]
1452	[2638, 507]	4525	[6919, 6500]	7598	[9765, 9766]	10671	[3686, 1695]
1453	[2639, 2640]	4526	[6920, 6921]	7599	[9767, 799]	10672	[8826, 8781]
1454	[2641, 188]	4527	[6922, 5896]	7600	[9768, 1790]	10673	[9384, 4226]
1455	[2642, 2643]	4528	[6923, 6924]	7601	[9769, 2719]	10674	[11768, 1727]
1456	[2644, 2645]	4529	[6925, 6926]	7602	[7053, 5938]	10675	[3249, 11769]
1457	[2299, 596]	4530	[6927, 6928]	7603	[9770, 9771]	10676	[3525, 1419]
1458	[2646, 936]	4531	[6929, 1851]	7604	[9772, 3015]	10677	[111, 4017]
1459	[2647, 2648]	4532	[2320, 6930]	7605	[9773, 9774]	10678	[9054, 4765]
1460	[2649, 2650]	4533	[914, 826]	7606	[9775, 2206]	10679	[11446, 3958]
1461	[2651, 2652]	4534	[6931, 6932]	7607	[7448, 2782]	10680	[11770, 11771]
1462	[2653, 2654]	4535	[6933, 6934]	7608	[5256, 3033]	10681	[1450, 3762]
1463	[2655, 2656]	4536	[6935, 6936]	7609	[5798, 2710]	10682	[8598, 1552]
1464	[2657, 702]	4537	[5297, 5766]	7610	[9776, 9777]	10683	[9573, 8708]
1465	[2658, 709]	4538	[6728, 515]	7611	[9778, 9779]	10684	[9501, 11772]
1466	[2659, 2660]	4539	[6937, 6938]	7612	[9780, 9781]	10685	[4792, 3235]

1467	[567, 2661]	4540	[6939, 1930]	7613	[9782, 42]	10686	[4916, 11773]
1468	[2662, 2663]	4541	[6333, 2126]	7614	[2577, 7054]	10687	[11747, 11774]
1469	[2664, 2665]	4542	[6940, 2352]	7615	[9783, 5551]	10688	[3169, 1263]
1470	[2666, 2667]	4543	[6234, 2039]	7616	[9784, 9785]	10689	[8411, 4003]
1471	[2668, 2669]	4544	[6941, 6942]	7617	[9786, 5377]	10690	[4614, 11775]
1472	[2670, 2671]	4545	[6943, 3008]	7618	[9787, 6286]	10691	[11318, 9167]
1473	[2672, 214]	4546	[6944, 1896]	7619	[9788, 5861]	10692	[7600, 955]
1474	[2673, 2674]	4547	[5984, 6795]	7620	[1945, 9789]	10693	[8671, 9234]
1475	[2675, 2676]	4548	[636, 6945]	7621	[9790, 9791]	10694	[9284, 4723]
1476	[1790, 2677]	4549	[6946, 5669]	7622	[9792, 7330]	10695	[4946, 1374]
1477	[2678, 519]	4550	[6947, 6948]	7623	[586, 2700]	10696	[11776, 11478]
1478	[2679, 2680]	4551	[6949, 6748]	7624	[5573, 2708]	10697	[11777, 982]
1479	[2681, 2682]	4552	[6927, 1906]	7625	[9793, 6209]	10698	[7796, 11479]
1480	[2683, 765]	4553	[6950, 6951]	7626	[3075, 5469]	10699	[11778, 3595]
1481	[2684, 2685]	4554	[6195, 3021]	7627	[9794, 9795]	10700	[7994, 8864]
1482	[2686, 2687]	4555	[1836, 6952]	7628	[5906, 216]	10701	[11778, 11779]
1483	[2688, 2689]	4556	[787, 5566]	7629	[6329, 9796]	10702	[7938, 11494]
1484	[2690, 500]	4557	[6953, 535]	7630	[6560, 6780]	10703	[8615, 11780]
1485	[2691, 2692]	4558	[6954, 6422]	7631	[7468, 9797]	10704	[11293, 9159]
1486	[2693, 2694]	4559	[6363, 6955]	7632	[3021, 9798]	10705	[11676, 1570]
1487	[1795, 2695]	4560	[6956, 2448]	7633	[5880, 9799]	10706	[11781, 11782]
1488	[2696, 2697]	4561	[6957, 6958]	7634	[9800, 9801]	10707	[1416, 9035]
1489	[2698, 2699]	4562	[6959, 6960]	7635	[2850, 5659]	10708	[9712, 4521]
1490	[2700, 903]	4563	[6961, 6962]	7636	[9802, 9803]	10709	[7703, 11783]
1491	[2701, 2702]	4564	[6963, 551]	7637	[1799, 5407]	10710	[11312, 8186]
1492	[2703, 2704]	4565	[6964, 2995]	7638	[9804, 9805]	10711	[11784, 7809]
1493	[2705, 2706]	4566	[2734, 6965]	7639	[6194, 7121]	10712	[11785, 7774]
1494	[2707, 733]	4567	[6966, 3084]	7640	[9806, 9807]	10713	[454, 11547]
1495	[2708, 2709]	4568	[6967, 499]	7641	[9808, 1934]	10714	[11786, 3377]
1496	[2710, 2711]	4569	[6968, 6969]	7642	[710, 2615]	10715	[3275, 454]
1497	[2712, 2713]	4570	[6970, 2303]	7643	[7444, 9809]	10716	[7867, 9366]
1498	[2714, 2715]	4571	[2438, 6971]	7644	[7542, 9810]	10717	[8504, 11787]
1499	[2716, 921]	4572	[6969, 6972]	7645	[608, 45]	10718	[11499, 4856]
1500	[2717, 2718]	4573	[5492, 6973]	7646	[6788, 5352]	10719	[9399, 5117]
1501	[2719, 2720]	4574	[2450, 3061]	7647	[9811, 7428]	10720	[9085, 11788]
1502	[1924, 2721]	4575	[6974, 6975]	7648	[5306, 9812]	10721	[9636, 4385]
1503	[665, 2722]	4576	[6437, 2917]	7649	[5834, 2521]	10722	[11651, 5008]
1504	[2723, 2724]	4577	[5532, 2750]	7650	[9813, 9814]	10723	[8528, 9436]
1505	[2725, 2726]	4578	[2216, 6976]	7651	[2507, 2535]	10724	[11789, 1781]
1506	[2727, 2728]	4579	[6977, 2576]	7652	[5953, 946]	10725	[1366, 9534]
1507	[1848, 2729]	4580	[6978, 5457]	7653	[9815, 9816]	10726	[1663, 8478]
1508	[604, 2245]	4581	[6979, 2057]	7654	[6047, 9817]	10727	[11736, 4291]
1509	[2730, 2731]	4582	[6980, 6981]	7655	[6288, 9818]	10728	[9338, 1011]
1510	[2732, 2733]	4583	[6031, 6830]	7656	[9819, 9820]	10729	[4317, 3628]

1511	[2734, 2568]	4584	[6982, 6983]	7657	[909, 1870]	10730	[11299, 3707]
1512	[2735, 2736]	4585	[563, 825]	7658	[6362, 9821]	10731	[3507, 1406]
1513	[889, 2737]	4586	[6984, 6985]	7659	[7538, 5626]	10732	[11790, 11791]
1514	[2738, 2246]	4587	[6986, 1946]	7660	[828, 5442]	10733	[11422, 966]
1515	[2739, 168]	4588	[6626, 5981]	7661	[9822, 2456]	10734	[8471, 11792]
1516	[2740, 2741]	4589	[6838, 6987]	7662	[6421, 7219]	10735	[11793, 9690]
1517	[2480, 617]	4590	[6988, 5997]	7663	[9823, 9824]	10736	[11509, 11794]
1518	[1971, 2742]	4591	[2664, 6989]	7664	[9825, 741]	10737	[3668, 11309]
1519	[2743, 2627]	4592	[6990, 6479]	7665	[9826, 9827]	10738	[9663, 9669]
1520	[2744, 2745]	4593	[6991, 6992]	7666	[2055, 2225]	10739	[11398, 11795]
1521	[2746, 1833]	4594	[6993, 6994]	7667	[9828, 9829]	10740	[11385, 11796]
1522	[2747, 2748]	4595	[6995, 6996]	7668	[230, 2547]	10741	[11797, 11798]
1523	[2749, 2750]	4596	[1860, 5719]	7669	[5895, 211]	10742	[4822, 8323]
1524	[2751, 807]	4597	[6997, 6998]	7670	[9830, 2387]	10743	[4888, 4433]
1525	[2752, 2753]	4598	[6999, 814]	7671	[9831, 7507]	10744	[9499, 7651]
1526	[2754, 2755]	4599	[7000, 7001]	7672	[9832, 5278]	10745	[8481, 8273]
1527	[2756, 2757]	4600	[7002, 6218]	7673	[6236, 2346]	10746	[3577, 11799]
1528	[2758, 2578]	4601	[5641, 7003]	7674	[6486, 1875]	10747	[8341, 11800]
1529	[2759, 2760]	4602	[7004, 837]	7675	[7230, 2358]	10748	[11801, 4623]
1530	[2761, 2762]	4603	[6241, 7005]	7676	[9833, 9834]	10749	[4042, 11802]
1531	[2763, 2764]	4604	[7006, 5371]	7677	[800, 148]	10750	[11588, 11803]
1532	[2765, 2766]	4605	[741, 1802]	7678	[9835, 6548]	10751	[9243, 386]
1533	[2767, 2661]	4606	[2908, 5868]	7679	[9836, 9837]	10752	[11804, 1071]
1534	[2768, 2769]	4607	[7007, 6959]	7680	[9838, 6621]	10753	[11805, 1150]
1535	[2770, 1806]	4608	[6009, 685]	7681	[9839, 9840]	10754	[1302, 4375]
1536	[2771, 2376]	4609	[6067, 7008]	7682	[7467, 678]	10755	[4953, 9025]
1537	[2772, 2773]	4610	[7009, 7010]	7683	[6146, 9841]	10756	[1669, 4329]
1538	[2774, 2775]	4611	[7011, 7012]	7684	[2414, 6099]	10757	[1398, 1554]
1539	[2776, 2777]	4612	[7013, 517]	7685	[2753, 3149]	10758	[8025, 8004]
1540	[2778, 2779]	4613	[7014, 7015]	7686	[9842, 9843]	10759	[7903, 8334]
1541	[2215, 2525]	4614	[6875, 7016]	7687	[7045, 6223]	10760	[8034, 3924]
1542	[2780, 2781]	4615	[2043, 2224]	7688	[9844, 9845]	10761	[11793, 11806]
1543	[231, 2548]	4616	[7017, 5460]	7689	[9846, 6122]	10762	[8137, 4167]
1544	[2782, 2783]	4617	[7018, 6050]	7690	[7252, 9847]	10763	[11807, 11808]
1545	[2784, 2785]	4618	[5985, 6796]	7691	[2919, 6481]	10764	[11809, 8874]
1546	[2786, 2787]	4619	[3096, 6421]	7692	[9848, 9849]	10765	[11455, 1423]
1547	[2788, 2789]	4620	[7019, 7020]	7693	[9831, 9850]	10766	[1512, 1677]
1548	[2790, 2791]	4621	[3090, 3002]	7694	[5392, 5988]	10767	[11810, 11811]
1549	[598, 1905]	4622	[7021, 5288]	7695	[2966, 5636]	10768	[11469, 3222]
1550	[2792, 2793]	4623	[7022, 2840]	7696	[9851, 9852]	10769	[8350, 1082]
1551	[2794, 2795]	4624	[2381, 3103]	7697	[6545, 2408]	10770	[11812, 11813]
1552	[2796, 2340]	4625	[6998, 2054]	7698	[7421, 7337]	10771	[7751, 5102]
1553	[2797, 2798]	4626	[2534, 6890]	7699	[5733, 9853]	10772	[3374, 8944]
1554	[555, 651]	4627	[7023, 7024]	7700	[9854, 5368]	10773	[9300, 317]

1555	[2799, 2800]	4628	[7025, 7026]	7701	[9855, 1793]	10774	[7798, 3267]
1556	[2571, 2801]	4629	[6440, 5271]	7702	[9856, 9857]	10775	[11814, 9442]
1557	[557, 2124]	4630	[7027, 7028]	7703	[2724, 2561]	10776	[11776, 4216]
1558	[2802, 2803]	4631	[5586, 2539]	7704	[6984, 2527]	10777	[3366, 4743]
1559	[2804, 2805]	4632	[6808, 6907]	7705	[2718, 2037]	10778	[8807, 388]
1560	[2011, 2533]	4633	[2849, 5292]	7706	[9858, 1954]	10779	[3661, 5214]
1561	[2806, 2807]	4634	[549, 7029]	7707	[9859, 9860]	10780	[7870, 4352]
1562	[2733, 2808]	4635	[7030, 7031]	7708	[7303, 217]	10781	[9010, 3297]
1563	[170, 2809]	4636	[7032, 7033]	7709	[2481, 9861]	10782	[9716, 11815]
1564	[2132, 2810]	4637	[5570, 2020]	7710	[2026, 9862]	10783	[9571, 11816]
1565	[2811, 2159]	4638	[6044, 1880]	7711	[9863, 9864]	10784	[8938, 4079]
1566	[2812, 2813]	4639	[1953, 7034]	7712	[2188, 7146]	10785	[7848, 1031]
1567	[2814, 2009]	4640	[6352, 7035]	7713	[9865, 9866]	10786	[9447, 8238]
1568	[2785, 2815]	4641	[5327, 783]	7714	[2350, 9867]	10787	[4202, 8339]
1569	[2816, 2817]	4642	[7036, 7037]	7715	[926, 5921]	10788	[11817, 11534]
1570	[781, 2818]	4643	[7038, 7039]	7716	[9868, 2128]	10789	[8571, 3285]
1571	[2819, 2820]	4644	[7040, 6802]	7717	[9869, 9870]	10790	[93, 8853]
1572	[2354, 2220]	4645	[6326, 3074]	7718	[7553, 5258]	10791	[4325, 11818]
1573	[2821, 2822]	4646	[7041, 2895]	7719	[5731, 2317]	10792	[1667, 1080]
1574	[2823, 2824]	4647	[7042, 5743]	7720	[214, 9846]	10793	[11689, 5206]
1575	[2825, 2826]	4648	[2826, 5281]	7721	[9871, 5280]	10794	[11819, 4432]
1576	[2827, 2828]	4649	[7043, 817]	7722	[9872, 6239]	10795	[11820, 8397]
1577	[2829, 2830]	4650	[7044, 2121]	7723	[6673, 5782]	10796	[11801, 1455]
1578	[949, 2831]	4651	[3008, 7045]	7724	[9872, 9873]	10797	[9007, 11821]
1579	[2832, 2833]	4652	[7046, 7047]	7725	[9874, 9875]	10798	[1754, 1076]
1580	[2834, 2835]	4653	[7048, 7049]	7726	[9876, 6814]	10799	[8194, 3170]
1581	[2836, 2837]	4654	[44, 7050]	7727	[9877, 9878]	10800	[3277, 11822]
1582	[2838, 2756]	4655	[7051, 6627]	7728	[9879, 1902]	10801	[11711, 3310]
1583	[2784, 2839]	4656	[6349, 2534]	7729	[9880, 9881]	10802	[11823, 11824]
1584	[2840, 2841]	4657	[7052, 2483]	7730	[9882, 6047]	10803	[7663, 5132]
1585	[173, 793]	4658	[2303, 7033]	7731	[9883, 2292]	10804	[11636, 303]
1586	[2842, 2329]	4659	[7053, 3073]	7732	[6930, 2582]	10805	[3744, 1376]
1587	[2843, 2844]	4660	[7054, 7055]	7733	[9884, 9885]	10806	[9342, 8348]
1588	[2845, 789]	4661	[5391, 5429]	7734	[6382, 7419]	10807	[11584, 1571]
1589	[2846, 2608]	4662	[7056, 2318]	7735	[2721, 2299]	10808	[7872, 11825]
1590	[2847, 2848]	4663	[7057, 7006]	7736	[9886, 9887]	10809	[11492, 7670]
1591	[2849, 2850]	4664	[2782, 2297]	7737	[3071, 634]	10810	[7715, 4724]
1592	[2851, 2852]	4665	[705, 3150]	7738	[9888, 6657]	10811	[11419, 11826]
1593	[2853, 538]	4666	[7058, 6892]	7739	[725, 1974]	10812	[4116, 9222]
1594	[2854, 2855]	4667	[7059, 7060]	7740	[761, 2585]	10813	[5040, 11827]
1595	[2856, 2857]	4668	[5643, 2948]	7741	[9889, 13]	10814	[3951, 11828]
1596	[1925, 2858]	4669	[2291, 5446]	7742	[9890, 6001]	10815	[11399, 11829]
1597	[2859, 2319]	4670	[5656, 2290]	7743	[9891, 9892]	10816	[3258, 11830]
1598	[1795, 2860]	4671	[7061, 6329]	7744	[9893, 9894]	10817	[8762, 8447]

1599	[2861, 2862]	4672	[7062, 2073]	7745	[9895, 7499]	10818	[1085, 5000]
1600	[2863, 2864]	4673	[7063, 7064]	7746	[3028, 9896]	10819	[1769, 9513]
1601	[2865, 2866]	4674	[7065, 1905]	7747	[1900, 187]	10820	[11338, 8226]
1602	[2867, 2868]	4675	[5356, 5559]	7748	[9897, 9898]	10821	[9591, 3177]
1603	[2869, 2470]	4676	[2485, 2425]	7749	[9899, 5230]	10822	[11831, 3313]
1604	[2870, 2871]	4677	[7066, 7067]	7750	[5854, 9900]	10823	[4057, 4797]
1605	[2872, 2873]	4678	[7068, 7069]	7751	[6393, 156]	10824	[4568, 7806]
1606	[2874, 2875]	4679	[2992, 6586]	7752	[7563, 6934]	10825	[8555, 5032]
1607	[2876, 2236]	4680	[7070, 7071]	7753	[9901, 9902]	10826	[4565, 7957]
1608	[2877, 2878]	4681	[6427, 5409]	7754	[9903, 9904]	10827	[8464, 11832]
1609	[2879, 2880]	4682	[6648, 7072]	7755	[9905, 6214]	10828	[9537, 11833]
1610	[2881, 2882]	4683	[5336, 7073]	7756	[9906, 49]	10829	[22, 432]
1611	[2883, 2884]	4684	[7074, 6437]	7757	[9907, 2415]	10830	[8567, 1386]
1612	[2885, 2886]	4685	[7075, 7076]	7758	[2465, 5269]	10831	[11834, 11835]
1613	[2887, 2888]	4686	[7077, 194]	7759	[7506, 834]	10832	[11836, 8545]
1614	[2889, 2890]	4687	[7078, 6137]	7760	[9908, 6561]	10833	[11772, 9647]
1615	[2891, 2892]	4688	[7079, 2462]	7761	[9909, 2657]	10834	[1524, 8930]
1616	[2893, 2894]	4689	[7080, 7081]	7762	[9910, 195]	10835	[3825, 3396]
1617	[2895, 2896]	4690	[866, 2533]	7763	[7523, 9911]	10836	[8668, 4384]
1618	[2897, 2898]	4691	[7082, 5514]	7764	[5817, 6527]	10837	[9069, 5198]
1619	[2899, 2900]	4692	[7083, 7084]	7765	[9912, 5578]	10838	[1672, 5098]
1620	[2901, 2902]	4693	[5485, 5599]	7766	[670, 832]	10839	[7795, 4147]
1621	[2903, 2904]	4694	[5933, 7085]	7767	[6020, 893]	10840	[11617, 11837]
1622	[2905, 1873]	4695	[2196, 6133]	7768	[7020, 2220]	10841	[9359, 3305]
1623	[2906, 2907]	4696	[7086, 1954]	7769	[150, 1946]	10842	[4628, 9107]
1624	[2908, 1822]	4697	[7087, 650]	7770	[9913, 9914]	10843	[4656, 4625]
1625	[2909, 2910]	4698	[7088, 649]	7771	[5909, 57]	10844	[8802, 3258]
1626	[2911, 2912]	4699	[7089, 7090]	7772	[9915, 9916]	10845	[8176, 4299]
1627	[2913, 2914]	4700	[5619, 6669]	7773	[5798, 5508]	10846	[8267, 1309]
1628	[2915, 2916]	4701	[7091, 2046]	7774	[9917, 9918]	10847	[11838, 8575]
1629	[2917, 763]	4702	[6365, 155]	7775	[5442, 9919]	10848	[8908, 11839]
1630	[796, 2918]	4703	[7092, 5829]	7776	[9920, 6212]	10849	[1662, 3409]
1631	[2919, 2671]	4704	[7093, 7094]	7777	[2461, 6681]	10850	[3441, 11609]
1632	[2920, 2921]	4705	[7095, 7096]	7778	[832, 2846]	10851	[11414, 11840]
1633	[631, 2922]	4706	[5893, 7097]	7779	[9921, 9922]	10852	[4271, 3473]
1634	[2923, 2924]	4707	[7098, 2995]	7780	[7449, 9923]	10853	[4183, 8201]
1635	[2925, 2926]	4708	[7099, 7100]	7781	[2307, 6452]	10854	[7800, 7835]
1636	[2927, 2928]	4709	[7101, 2613]	7782	[5519, 3079]	10855	[8626, 1733]
1637	[2929, 2930]	4710	[2730, 7102]	7783	[1860, 9924]	10856	[8081, 8398]
1638	[2931, 2932]	4711	[6345, 7103]	7784	[6359, 9762]	10857	[8010, 3350]
1639	[2933, 2486]	4712	[7104, 5244]	7785	[3041, 6305]	10858	[9423, 4925]
1640	[2394, 2934]	4713	[7105, 7106]	7786	[9925, 9926]	10859	[11841, 337]
1641	[2935, 2936]	4714	[7107, 7108]	7787	[6505, 3110]	10860	[11842, 4152]
1642	[2937, 1840]	4715	[7109, 2357]	7788	[6067, 2496]	10861	[8917, 4583]

1643	[2938, 2939]	4716	[7110, 7111]	7789	[9927, 1988]	10862	[9282, 4480]
1644	[2940, 2941]	4717	[2320, 2581]	7790	[9928, 9929]	10863	[5125, 1355]
1645	[2942, 2943]	4718	[7112, 7113]	7791	[790, 9930]	10864	[9535, 11843]
1646	[2944, 2945]	4719	[7114, 2705]	7792	[9931, 2840]	10865	[9552, 11844]
1647	[2946, 2947]	4720	[2177, 2034]	7793	[155, 1786]	10866	[11749, 456]
1648	[2948, 2114]	4721	[7010, 2244]	7794	[5404, 9932]	10867	[9720, 11704]
1649	[2949, 1866]	4722	[7115, 6634]	7795	[833, 6502]	10868	[1037, 435]
1650	[2950, 2951]	4723	[7116, 5501]	7796	[6659, 653]	10869	[8115, 3641]
1651	[2952, 2914]	4724	[6888, 2207]	7797	[9933, 5375]	10870	[4441, 5029]
1652	[2953, 2938]	4725	[537, 7117]	7798	[9934, 9935]	10871	[9311, 4705]
1653	[2333, 2954]	4726	[770, 7118]	7799	[9936, 5890]	10872	[11659, 3752]
1654	[2041, 2558]	4727	[2121, 6289]	7800	[9937, 2759]	10873	[1458, 1344]
1655	[2955, 2956]	4728	[6675, 701]	7801	[9938, 170]	10874	[7715, 11845]
1656	[2957, 2958]	4729	[7119, 7120]	7802	[9939, 9879]	10875	[8161, 1632]
1657	[2313, 2959]	4730	[7121, 3071]	7803	[9940, 9941]	10876	[8915, 11846]
1658	[2960, 2961]	4731	[3120, 2494]	7804	[9942, 9943]	10877	[9029, 3]
1659	[2962, 2963]	4732	[746, 2097]	7805	[9944, 6797]	10878	[4306, 9063]
1660	[2964, 2091]	4733	[7122, 671]	7806	[9945, 2373]	10879	[11847, 97]
1661	[2965, 2966]	4734	[7123, 2848]	7807	[210, 5263]	10880	[262, 11848]
1662	[2272, 2967]	4735	[5893, 3107]	7808	[2524, 9946]	10881	[3910, 9075]
1663	[2968, 2969]	4736	[7124, 7060]	7809	[9947, 871]	10882	[9193, 11849]
1664	[2970, 2971]	4737	[7125, 3132]	7810	[9948, 6812]	10883	[9713, 11850]
1665	[2972, 2973]	4738	[6116, 7126]	7811	[9949, 9950]	10884	[3646, 4734]
1666	[2974, 2975]	4739	[7127, 7128]	7812	[9941, 7304]	10885	[26, 11851]
1667	[2976, 2977]	4740	[5796, 2400]	7813	[9951, 6361]	10886	[4212, 9392]
1668	[2978, 2979]	4741	[7129, 7130]	7814	[7458, 9905]	10887	[8020, 8897]
1669	[2980, 2981]	4742	[7131, 6534]	7815	[2962, 9952]	10888	[4499, 8282]
1670	[1994, 2982]	4743	[1864, 6105]	7816	[559, 1889]	10889	[11626, 4205]
1671	[2431, 2983]	4744	[1993, 5787]	7817	[9953, 6447]	10890	[1617, 8634]
1672	[2984, 2985]	4745	[7132, 7133]	7818	[9954, 9955]	10891	[9046, 3785]
1673	[2895, 2561]	4746	[7134, 1991]	7819	[5487, 7555]	10892	[11804, 4504]
1674	[2986, 2987]	4747	[7135, 7136]	7820	[5550, 9956]	10893	[4146, 11852]
1675	[2988, 2989]	4748	[7106, 6525]	7821	[2465, 5960]	10894	[11836, 1593]
1676	[2990, 2991]	4749	[2190, 6693]	7822	[9957, 9958]	10895	[3778, 11853]
1677	[856, 2879]	4750	[6041, 7137]	7823	[2633, 2823]	10896	[11789, 9555]
1678	[2992, 2993]	4751	[7138, 831]	7824	[7202, 5956]	10897	[1632, 11854]
1679	[2994, 2855]	4752	[7139, 5644]	7825	[2449, 9959]	10898	[1719, 8061]
1680	[2995, 2996]	4753	[7140, 698]	7826	[7554, 9960]	10899	[11367, 11716]
1681	[2997, 2998]	4754	[7141, 6731]	7827	[608, 1920]	10900	[8579, 4450]
1682	[2999, 3000]	4755	[7142, 2756]	7828	[9961, 9962]	10901	[11855, 3577]
1683	[3001, 3002]	4756	[7143, 7144]	7829	[943, 2687]	10902	[11856, 11857]
1684	[3003, 1950]	4757	[7145, 5421]	7830	[9963, 9964]	10903	[8966, 9218]
1685	[3004, 3005]	4758	[1889, 7146]	7831	[6799, 9965]	10904	[9697, 4862]
1686	[3006, 3007]	4759	[7147, 7148]	7832	[9966, 9967]	10905	[8942, 11820]

1687	[501, 3008]	4760	[7149, 7150]	7833	[9968, 5759]	10906	[9043, 352]
1688	[3009, 3010]	4761	[6620, 7151]	7834	[9969, 5850]	10907	[8129, 11858]
1689	[3011, 1898]	4762	[7152, 6948]	7835	[9970, 9971]	10908	[9675, 4016]
1690	[3012, 3013]	4763	[2037, 7153]	7836	[9972, 9973]	10909	[3504, 7674]
1691	[3014, 3015]	4764	[7154, 7155]	7837	[2809, 9974]	10910	[11859, 9519]
1692	[3016, 3017]	4765	[7156, 7157]	7838	[5672, 5809]	10911	[474, 4866]
1693	[3018, 3019]	4766	[5261, 7158]	7839	[9975, 5787]	10912	[9161, 11860]
1694	[559, 2188]	4767	[2006, 2257]	7840	[5377, 9976]	10913	[3206, 1424]
1695	[3020, 3021]	4768	[7159, 7160]	7841	[2739, 7219]	10914	[11529, 1422]
1696	[3022, 3023]	4769	[7161, 2229]	7842	[1952, 5440]	10915	[8236, 9033]
1697	[3024, 3025]	4770	[6028, 6582]	7843	[9977, 9978]	10916	[11392, 11861]
1698	[250, 2625]	4771	[5557, 6476]	7844	[9979, 9980]	10917	[4934, 9511]
1699	[3026, 3027]	4772	[6136, 7162]	7845	[7105, 5321]	10918	[11377, 7692]
1700	[3028, 2080]	4773	[2053, 7163]	7846	[9981, 9982]	10919	[3646, 3663]
1701	[3029, 3030]	4774	[54, 7164]	7847	[171, 9974]	10920	[9593, 8388]
1702	[2877, 3031]	4775	[7165, 7166]	7848	[9983, 1921]	10921	[3379, 7732]
1703	[3032, 3033]	4776	[2900, 647]	7849	[9984, 7115]	10922	[3570, 469]
1704	[3034, 248]	4777	[7167, 7168]	7850	[9985, 9986]	10923	[8537, 11862]
1705	[3035, 3036]	4778	[576, 7169]	7851	[5408, 9987]	10924	[11566, 9147]
1706	[3037, 3038]	4779	[7170, 7043]	7852	[7496, 5780]	10925	[11863, 5201]
1707	[48, 3039]	4780	[7171, 7172]	7853	[9988, 9989]	10926	[4864, 5053]
1708	[3040, 3041]	4781	[7063, 6618]	7854	[9990, 5499]	10927	[5129, 1729]
1709	[3042, 3043]	4782	[7173, 7174]	7855	[2818, 7515]	10928	[9680, 11864]
1710	[3044, 3045]	4783	[7175, 6031]	7856	[5539, 2664]	10929	[7936, 9542]
1711	[3046, 3047]	4784	[7176, 7177]	7857	[9991, 9992]	10930	[7643, 1319]
1712	[3048, 3049]	4785	[7178, 7179]	7858	[5664, 9993]	10931	[9229, 4568]
1713	[3050, 3051]	4786	[7180, 7181]	7859	[9994, 9995]	10932	[1540, 9356]
1714	[3052, 3053]	4787	[2800, 5981]	7860	[739, 7014]	10933	[7812, 9638]
1715	[141, 2707]	4788	[6651, 2697]	7861	[6886, 9996]	10934	[120, 3793]
1716	[3054, 3055]	4789	[6046, 2224]	7862	[9997, 5874]	10935	[11865, 8425]
1717	[594, 3056]	4790	[7109, 6012]	7863	[9998, 9999]	10936	[8685, 1200]
1718	[3057, 3058]	4791	[7182, 7183]	7864	[10000, 9930]	10937	[1004, 3272]
1719	[3059, 3060]	4792	[6735, 2296]	7865	[10001, 5923]	10938	[11866, 3477]
1720	[3061, 3062]	4793	[7184, 1841]	7866	[2048, 10002]	10939	[11553, 3709]
1721	[3063, 609]	4794	[7185, 1974]	7867	[7434, 219]	10940	[11867, 4601]
1722	[3064, 3065]	4795	[7186, 7187]	7868	[575, 6412]	10941	[11868, 11323]
1723	[2729, 784]	4796	[7188, 5911]	7869	[699, 597]	10942	[5116, 1191]
1724	[841, 920]	4797	[6857, 2330]	7870	[10003, 5625]	10943	[3340, 9426]
1725	[3066, 3067]	4798	[2325, 226]	7871	[7001, 7270]	10944	[9163, 1624]
1726	[56, 2168]	4799	[7031, 709]	7872	[6559, 10004]	10945	[11488, 3265]
1727	[3068, 3069]	4800	[7189, 7190]	7873	[801, 149]	10946	[8099, 11869]
1728	[3070, 3071]	4801	[6706, 7191]	7874	[2388, 10005]	10947	[9228, 3458]
1729	[809, 3072]	4802	[5348, 6516]	7875	[7175, 10006]	10948	[1471, 11870]
1730	[2476, 3073]	4803	[7192, 6477]	7876	[6678, 152]	10949	[267, 957]

1731	[3074, 846]	4804	[7193, 7194]	7877	[165, 751]	10950	[11505, 7708]
1732	[3075, 3076]	4805	[862, 7195]	7878	[10007, 6192]	10951	[11871, 8596]
1733	[3077, 2542]	4806	[7196, 7197]	7879	[2767, 10008]	10952	[4427, 11872]
1734	[3078, 3079]	4807	[7198, 7199]	7880	[5773, 6620]	10953	[9315, 448]
1735	[3080, 3081]	4808	[7200, 6393]	7881	[10009, 2416]	10954	[8644, 11873]
1736	[3082, 3083]	4809	[7201, 7202]	7882	[10010, 2708]	10955	[5170, 3251]
1737	[3084, 3085]	4810	[7203, 7204]	7883	[171, 10011]	10956	[8847, 4674]
1738	[3086, 3087]	4811	[5358, 5426]	7884	[10012, 10013]	10957	[11874, 988]
1739	[3088, 2566]	4812	[839, 5937]	7885	[2397, 10014]	10958	[11595, 1416]
1740	[3089, 3090]	4813	[535, 5905]	7886	[10015, 5278]	10959	[11875, 3224]
1741	[3091, 142]	4814	[7205, 7206]	7887	[10016, 5832]	10960	[11876, 9434]
1742	[3092, 1858]	4815	[7207, 5386]	7888	[5874, 10017]	10961	[8836, 4608]
1743	[844, 3093]	4816	[7118, 2320]	7889	[10018, 2698]	10962	[4610, 8684]
1744	[3094, 2116]	4817	[7208, 801]	7890	[10004, 7512]	10963	[8228, 481]
1745	[3095, 3096]	4818	[7209, 7210]	7891	[10019, 10020]	10964	[4705, 380]
1746	[42, 3097]	4819	[7211, 619]	7892	[2426, 550]	10965	[3160, 8150]
1747	[143, 824]	4820	[3074, 6694]	7893	[7155, 2200]	10966	[7859, 8023]
1748	[3098, 3099]	4821	[7212, 2217]	7894	[10021, 677]	10967	[11591, 3452]
1749	[3100, 3101]	4822	[2902, 7213]	7895	[10022, 10023]	10968	[960, 4351]
1750	[3102, 3103]	4823	[7214, 5586]	7896	[6457, 6174]	10969	[11785, 8666]
1751	[3104, 3105]	4824	[7215, 7216]	7897	[10024, 10025]	10970	[11777, 11877]
1752	[3106, 3107]	4825	[6192, 2956]	7898	[10026, 2777]	10971	[11878, 5019]
1753	[3108, 1997]	4826	[7217, 167]	7899	[10027, 10028]	10972	[8668, 9636]
1754	[3109, 3110]	4827	[6248, 7218]	7900	[10029, 10030]	10973	[11879, 4307]
1755	[3111, 3112]	4828	[7219, 582]	7901	[10031, 2789]	10974	[1132, 8951]
1756	[3113, 3114]	4829	[7220, 7221]	7902	[6412, 7169]	10975	[81, 11836]
1757	[2432, 3115]	4830	[7222, 6746]	7903	[10032, 5487]	10976	[9599, 1354]
1758	[3116, 2584]	4831	[7223, 7224]	7904	[7341, 5804]	10977	[4853, 11880]
1759	[1956, 3117]	4832	[7225, 7226]	7905	[723, 5670]	10978	[4670, 3317]
1760	[3118, 3119]	4833	[2016, 7227]	7906	[10033, 2081]	10979	[11751, 11881]
1761	[3120, 3121]	4834	[7228, 2884]	7907	[6588, 7003]	10980	[11882, 4089]
1762	[3122, 3123]	4835	[2615, 6315]	7908	[198, 6290]	10981	[8279, 11883]
1763	[3124, 3125]	4836	[7229, 7230]	7909	[10034, 10035]	10982	[8810, 11884]
1764	[3126, 3127]	4837	[7231, 7232]	7910	[2626, 10036]	10983	[8750, 8586]
1765	[143, 3128]	4838	[7233, 7234]	7911	[5797, 5957]	10984	[3957, 8511]
1766	[3129, 2580]	4839	[7235, 7236]	7912	[7508, 5268]	10985	[11820, 1465]
1767	[3130, 2650]	4840	[7237, 3049]	7913	[5661, 10037]	10986	[9236, 8612]
1768	[3131, 3132]	4841	[7238, 7239]	7914	[6443, 5284]	10987	[1690, 11885]
1769	[3133, 3134]	4842	[7240, 6722]	7915	[5572, 10010]	10988	[1576, 4648]
1770	[3135, 3136]	4843	[7241, 2790]	7916	[10038, 9952]	10989	[9098, 970]
1771	[3137, 3138]	4844	[2578, 7242]	7917	[627, 7484]	10990	[8303, 8637]
1772	[3139, 2361]	4845	[7243, 6777]	7918	[10039, 5294]	10991	[9395, 3655]
1773	[3140, 3141]	4846	[7244, 5275]	7919	[10040, 10041]	10992	[7695, 3374]
1774	[3142, 2810]	4847	[6324, 3065]	7920	[10042, 2038]	10993	[9038, 9021]

1775	[3143, 3144]	4848	[2074, 7245]	7921	[10043, 788]	10994	[1421, 30]
1776	[2346, 691]	4849	[7246, 1916]	7922	[10044, 10045]	10995	[11467, 11886]
1777	[3145, 3146]	4850	[7247, 7248]	7923	[6672, 2462]	10996	[7639, 11887]
1778	[3147, 2712]	4851	[7249, 2396]	7924	[250, 10046]	10997	[8547, 11888]
1779	[3148, 1874]	4852	[6202, 5630]	7925	[10045, 7295]	10998	[8613, 8702]
1780	[3149, 3150]	4853	[7250, 1860]	7926	[2083, 2466]	10999	[3663, 11889]
1781	[3151, 2390]	4854	[7251, 3120]	7927	[7383, 2626]	11000	[11868, 11890]
1782	[3152, 3153]	4855	[7252, 6448]	7928	[10047, 2185]	11001	[11562, 11891]
1783	[3154, 3155]	4856	[7253, 2989]	7929	[6563, 6914]	11002	[1119, 11892]
1784	[2001, 3156]	4857	[7254, 2990]	7930	[10048, 10049]	11003	[11893, 11894]
1785	[3157, 1006]	4858	[2878, 7255]	7931	[10050, 5611]	11004	[8685, 1100]
1786	[3158, 3159]	4859	[2882, 2877]	7932	[7078, 5576]	11005	[3655, 5187]
1787	[309, 1508]	4860	[7256, 7253]	7933	[6348, 5648]	11006	[7681, 8463]
1788	[3160, 3161]	4861	[7257, 2879]	7934	[6531, 7514]	11007	[1763, 11895]
1789	[3162, 3163]	4862	[7258, 7237]	7935	[2307, 6721]	11008	[8545, 1594]
1790	[3164, 3165]	4863	[7259, 7260]	7936	[245, 10051]	11009	[1440, 8954]
1791	[3166, 3167]	4864	[7261, 2986]	7937	[2149, 6040]	11010	[3397, 9082]
1792	[3168, 3169]	4865	[7262, 2881]	7938	[10052, 6972]	11011	[8844, 1460]
1793	[3170, 3171]	4866	[7263, 2883]	7939	[10053, 2061]	11012	[4669, 7610]
1794	[3172, 3173]	4867	[7264, 7265]	7940	[10054, 130]	11013	[1430, 9001]
1795	[3174, 3175]	4868	[7266, 5496]	7941	[5682, 2628]	11014	[4908, 3891]
1796	[3176, 3177]	4869	[1960, 6261]	7942	[5395, 10055]	11015	[9089, 11896]
1797	[3178, 3179]	4870	[2533, 6599]	7943	[10056, 5332]	11016	[1752, 4770]
1798	[3180, 3181]	4871	[7267, 795]	7944	[3087, 6633]	11017	[11416, 11897]
1799	[3182, 1528]	4872	[6959, 7268]	7945	[767, 2154]	11018	[9295, 11898]
1800	[3183, 3184]	4873	[777, 7269]	7946	[10057, 3064]	11019	[9601, 4601]
1801	[3185, 3186]	4874	[2437, 7270]	7947	[10058, 10059]	11020	[11298, 11899]
1802	[1411, 3187]	4875	[7271, 7272]	7948	[765, 5625]	11021	[7844, 11900]
1803	[974, 3188]	4876	[7273, 2823]	7949	[10060, 6096]	11022	[3896, 4535]
1804	[1187, 3189]	4877	[5397, 7274]	7950	[6948, 1822]	11023	[11901, 7666]
1805	[369, 3190]	4878	[7275, 6924]	7951	[10061, 6846]	11024	[3944, 11902]
1806	[3191, 3192]	4879	[7276, 7277]	7952	[9876, 10062]	11025	[7898, 4277]
1807	[3193, 3194]	4880	[7278, 6806]	7953	[5247, 10063]	11026	[11903, 4631]
1808	[1671, 3195]	4881	[673, 7279]	7954	[10064, 10065]	11027	[1722, 3456]
1809	[3196, 3197]	4882	[5746, 2333]	7955	[10049, 52]	11028	[11692, 7877]
1810	[3198, 3199]	4883	[7280, 7281]	7956	[1819, 10066]	11029	[1750, 11904]
1811	[1030, 3200]	4884	[6532, 3111]	7957	[10067, 6498]	11030	[3374, 11905]
1812	[3201, 3202]	4885	[7282, 2289]	7958	[2995, 191]	11031	[7933, 3988]
1813	[3203, 3204]	4886	[7283, 5598]	7959	[5666, 6678]	11032	[1011, 11906]
1814	[3205, 358]	4887	[6097, 7284]	7960	[1896, 6512]	11033	[7619, 4387]
1815	[3206, 3207]	4888	[7285, 6402]	7961	[5848, 10068]	11034	[4503, 8311]
1816	[3208, 3209]	4889	[6845, 7286]	7962	[5713, 2336]	11035	[8765, 11907]
1817	[3210, 3211]	4890	[5834, 6150]	7963	[10069, 2029]	11036	[11770, 462]
1818	[3212, 3213]	4891	[3073, 5654]	7964	[10070, 2571]	11037	[7824, 3196]

1819	[3214, 3215]	4892	[7287, 7288]	7965	[609, 10071]	11038	[9308, 424]
1820	[3216, 3217]	4893	[7289, 6531]	7966	[7286, 250]	11039	[11908, 11909]
1821	[3218, 3219]	4894	[7290, 2053]	7967	[10072, 720]	11040	[11382, 8572]
1822	[1535, 3220]	4895	[7075, 7291]	7968	[10073, 10074]	11041	[359, 1429]
1823	[3221, 3222]	4896	[6332, 5689]	7969	[7446, 10075]	11042	[8741, 421]
1824	[3223, 1656]	4897	[7292, 6587]	7970	[10076, 2449]	11043	[1605, 11910]
1825	[3224, 3225]	4898	[7293, 1981]	7971	[3006, 2400]	11044	[3317, 3800]
1826	[3226, 3227]	4899	[7294, 5392]	7972	[1984, 10077]	11045	[11812, 4572]
1827	[3228, 3229]	4900	[6284, 7295]	7973	[10078, 10079]	11046	[9566, 8911]
1828	[3230, 3231]	4901	[6627, 7296]	7974	[10080, 10081]	11047	[4240, 4760]
1829	[3232, 3233]	4902	[6955, 6559]	7975	[5931, 7386]	11048	[11911, 11912]
1830	[3234, 3235]	4903	[7297, 6720]	7976	[6207, 10082]	11049	[4736, 8197]
1831	[3236, 3237]	4904	[7298, 7299]	7977	[10083, 10084]	11050	[11716, 8968]
1832	[3238, 3239]	4905	[7300, 7301]	7978	[10085, 6123]	11051	[11913, 1185]
1833	[3240, 3241]	4906	[7302, 7303]	7979	[6970, 7032]	11052	[7981, 11296]
1834	[3242, 3243]	4907	[7304, 7015]	7980	[10086, 6044]	11053	[11914, 11915]
1835	[3244, 3245]	4908	[7305, 7306]	7981	[3000, 1982]	11054	[9149, 4596]
1836	[3246, 3247]	4909	[7307, 2623]	7982	[9765, 10087]	11055	[8324, 11916]
1837	[3248, 979]	4910	[2007, 7308]	7983	[10088, 10063]	11056	[11637, 11917]
1838	[3249, 3250]	4911	[898, 7309]	7984	[1945, 10089]	11057	[11344, 346]
1839	[3251, 3252]	4912	[5330, 2804]	7985	[10090, 6508]	11058	[1783, 11918]
1840	[3253, 3254]	4913	[3088, 7038]	7986	[10091, 10092]	11059	[3394, 4070]
1841	[1683, 3255]	4914	[7085, 7310]	7987	[9826, 1957]	11060	[4648, 3198]
1842	[3256, 3257]	4915	[7311, 2350]	7988	[2909, 10093]	11061	[3466, 8038]
1843	[3258, 3259]	4916	[3007, 7312]	7989	[10094, 6318]	11062	[11388, 4473]
1844	[3260, 3261]	4917	[2852, 2489]	7990	[6922, 1824]	11063	[8035, 11919]
1845	[3262, 3263]	4918	[6190, 6250]	7991	[5949, 10095]	11064	[9400, 1294]
1846	[3264, 3265]	4919	[5433, 7313]	7992	[5691, 3062]	11065	[3932, 4948]
1847	[3266, 3267]	4920	[695, 1869]	7993	[1937, 9799]	11066	[1612, 427]
1848	[3268, 3269]	4921	[2339, 6064]	7994	[1939, 6073]	11067	[11920, 8101]
1849	[3270, 3271]	4922	[6150, 7314]	7995	[10096, 10097]	11068	[11855, 4087]
1850	[3272, 3273]	4923	[7315, 7316]	7996	[5491, 6884]	11069	[9582, 9313]
1851	[3274, 3197]	4924	[5898, 7317]	7997	[10098, 2472]	11070	[8098, 1713]
1852	[3275, 3276]	4925	[7318, 797]	7998	[10099, 9978]	11071	[11786, 11921]
1853	[3277, 3278]	4926	[7319, 7320]	7999	[7499, 10100]	11072	[8281, 1658]
1854	[3279, 3280]	4927	[7321, 7322]	8000	[7215, 10101]	11073	[11559, 11922]
1855	[3281, 3282]	4928	[5740, 7323]	8001	[6050, 7535]	11074	[1515, 8179]
1856	[3283, 3284]	4929	[1929, 2722]	8002	[2074, 7501]	11075	[8902, 5194]
1857	[3285, 3286]	4930	[928, 2144]	8003	[10102, 1891]	11076	[5103, 8191]
1858	[3287, 3288]	4931	[7324, 1874]	8004	[1985, 1813]	11077	[11805, 8457]
1859	[3289, 1456]	4932	[7033, 6404]	8005	[10103, 6580]	11078	[8083, 4133]
1860	[3290, 3291]	4933	[50, 5486]	8006	[10104, 10105]	11079	[11609, 3830]
1861	[3292, 3293]	4934	[7325, 7326]	8007	[10106, 6913]	11080	[1569, 11923]
1862	[3294, 3295]	4935	[3046, 7327]	8008	[10107, 10108]	11081	[9324, 7867]

1863	[3296, 3297]	4936	[5289, 2898]	8009	[6990, 10109]	11082	[9739, 5068]
1864	[3298, 3299]	4937	[141, 732]	8010	[6104, 10110]	11083	[9682, 1474]
1865	[3300, 3301]	4938	[7328, 6946]	8011	[5556, 2432]	11084	[8743, 11924]
1866	[3302, 1449]	4939	[829, 5443]	8012	[5785, 5812]	11085	[11429, 8721]
1867	[3303, 3304]	4940	[7329, 6333]	8013	[10111, 5291]	11086	[4745, 11925]
1868	[3305, 3306]	4941	[5721, 7330]	8014	[2697, 10101]	11087	[9147, 7941]
1869	[1327, 980]	4942	[2483, 2081]	8015	[10112, 2278]	11088	[11926, 11927]
1870	[1706, 3307]	4943	[3154, 7331]	8016	[10113, 6849]	11089	[11507, 9055]
1871	[1708, 3308]	4944	[5805, 2897]	8017	[10114, 2976]	11090	[11718, 3542]
1872	[3309, 3310]	4945	[7332, 2399]	8018	[5367, 37]	11091	[1449, 4031]
1873	[3311, 3312]	4946	[7333, 7334]	8019	[6408, 2249]	11092	[1711, 11928]
1874	[3313, 3314]	4947	[6305, 5334]	8020	[10115, 10116]	11093	[3177, 3814]
1875	[3315, 3316]	4948	[7335, 6255]	8021	[7019, 2354]	11094	[11929, 5061]
1876	[3317, 3318]	4949	[7336, 7337]	8022	[2205, 7164]	11095	[7957, 11930]
1877	[3319, 3320]	4950	[7338, 7339]	8023	[10117, 2704]	11096	[4394, 1447]
1878	[292, 1415]	4951	[1998, 1898]	8024	[9995, 933]	11097	[9239, 104]
1879	[3321, 3322]	4952	[197, 7340]	8025	[10118, 10119]	11098	[9249, 8222]
1880	[3323, 3324]	4953	[5269, 5961]	8026	[5794, 6781]	11099	[3319, 3622]
1881	[3325, 3326]	4954	[7341, 3147]	8027	[10120, 2215]	11100	[4586, 1106]
1882	[3308, 3327]	4955	[7342, 6789]	8028	[10121, 5858]	11101	[11790, 4403]
1883	[3328, 3329]	4956	[7343, 7344]	8029	[5294, 10122]	11102	[3215, 11931]
1884	[3330, 3331]	4957	[7345, 2152]	8030	[6963, 10123]	11103	[7710, 11591]
1885	[3332, 1486]	4958	[7346, 3057]	8031	[10124, 10125]	11104	[8950, 1689]
1886	[3333, 3334]	4959	[7347, 6617]	8032	[10126, 10000]	11105	[8878, 9220]
1887	[3335, 3336]	4960	[2522, 6798]	8033	[6891, 6798]	11106	[4835, 4159]
1888	[3337, 3338]	4961	[7348, 7349]	8034	[10007, 2955]	11107	[11882, 4013]
1889	[3339, 3340]	4962	[7350, 821]	8035	[7459, 1798]	11108	[11879, 3981]
1890	[3341, 3342]	4963	[7351, 7352]	8036	[10127, 10128]	11109	[8011, 1756]
1891	[3343, 3344]	4964	[3087, 7115]	8037	[10129, 6564]	11110	[1752, 11298]
1892	[3345, 3346]	4965	[5712, 1786]	8038	[2938, 2890]	11111	[9516, 8716]
1893	[3347, 3348]	4966	[7353, 7354]	8039	[10130, 1957]	11112	[11605, 11932]
1894	[3349, 3350]	4967	[7355, 7356]	8040	[6027, 6402]	11113	[9167, 5048]
1895	[3351, 3352]	4968	[7357, 5934]	8041	[506, 10131]	11114	[11933, 4501]
1896	[3353, 3354]	4969	[7358, 7359]	8042	[10132, 6205]	11115	[11570, 4887]
1897	[3355, 3356]	4970	[6746, 7360]	8043	[2850, 10133]	11116	[15, 1519]
1898	[3357, 3358]	4971	[7361, 2514]	8044	[10134, 10135]	11117	[11933, 3986]
1899	[3359, 3360]	4972	[3002, 2579]	8045	[10136, 10137]	11118	[4666, 11532]
1900	[3361, 6]	4973	[7362, 2577]	8046	[10138, 7072]	11119	[9230, 11934]
1901	[3362, 3363]	4974	[2728, 7363]	8047	[6264, 6348]	11120	[9192, 11935]
1902	[3364, 3365]	4975	[7364, 7365]	8048	[10139, 6441]	11121	[1504, 11410]
1903	[3366, 3367]	4976	[6591, 7366]	8049	[10140, 7442]	11122	[11810, 1584]
1904	[3368, 3369]	4977	[7367, 7368]	8050	[6531, 10141]	11123	[3689, 11936]
1905	[1150, 3370]	4978	[7369, 7370]	8051	[1846, 10142]	11124	[9164, 11287]
1906	[3371, 3372]	4979	[7371, 7372]	8052	[10143, 6958]	11125	[8630, 8771]

1907	[3373, 3374]	4980	[7373, 681]	8053	[2699, 2301]	11126	[8862, 124]
1908	[3375, 1170]	4981	[2746, 7374]	8054	[2192, 6091]	11127	[8509, 8064]
1909	[3376, 3377]	4982	[7375, 7376]	8055	[2564, 10144]	11128	[11755, 11937]
1910	[3378, 1539]	4983	[856, 7254]	8056	[6632, 5828]	11129	[11938, 8794]
1911	[3379, 3380]	4984	[7377, 7378]	8057	[10145, 10146]	11130	[4848, 8984]
1912	[3381, 3382]	4985	[7379, 892]	8058	[5778, 2824]	11131	[4608, 1084]
1913	[3383, 3384]	4986	[5355, 7380]	8059	[7576, 5692]	11132	[11831, 4367]
1914	[3385, 3386]	4987	[7381, 7382]	8060	[2374, 10147]	11133	[11493, 319]
1915	[1393, 3387]	4988	[7383, 2743]	8061	[137, 2280]	11134	[4476, 3399]
1916	[3388, 1021]	4989	[7384, 736]	8062	[10148, 6992]	11135	[3355, 1681]
1917	[1661, 3389]	4990	[6087, 6398]	8063	[6478, 10149]	11136	[4464, 9233]
1918	[3390, 3391]	4991	[2905, 2209]	8064	[10150, 10151]	11137	[11378, 5182]
1919	[3392, 92]	4992	[7385, 7386]	8065	[9858, 10152]	11138	[8252, 1734]
1920	[3393, 3394]	4993	[5559, 1900]	8066	[10153, 2871]	11139	[8316, 9120]
1921	[3395, 3396]	4994	[7387, 5287]	8067	[766, 2505]	11140	[11847, 3636]
1922	[3397, 3398]	4995	[7388, 6027]	8068	[10154, 5886]	11141	[9688, 11939]
1923	[3399, 3400]	4996	[7389, 7390]	8069	[7004, 10155]	11142	[4338, 1166]
1924	[3401, 1145]	4997	[7391, 2304]	8070	[10156, 53]	11143	[4441, 11940]
1925	[431, 3402]	4998	[6952, 7392]	8071	[6253, 3069]	11144	[8663, 4730]
1926	[3403, 3404]	4999	[7255, 7370]	8072	[7420, 7336]	11145	[7835, 11941]
1927	[3405, 3406]	5000	[7393, 7234]	8073	[10157, 10158]	11146	[1103, 7827]
1928	[3407, 3408]	5001	[7394, 2974]	8074	[10159, 2119]	11147	[8447, 4303]
1929	[3389, 3409]	5002	[7395, 7259]	8075	[9827, 5255]	11148	[9713, 4788]
1930	[958, 1181]	5003	[7396, 7393]	8076	[10160, 637]	11149	[8249, 11942]
1931	[3410, 3411]	5004	[7397, 6473]	8077	[10161, 6004]	11150	[9157, 4736]
1932	[3412, 1562]	5005	[892, 7398]	8078	[7196, 10162]	11151	[9753, 8878]
1933	[3413, 3414]	5006	[6473, 2883]	8079	[6166, 9905]	11152	[1394, 116]
1934	[3415, 3416]	5007	[7399, 7400]	8080	[10163, 5556]	11153	[8051, 8649]
1935	[3417, 3311]	5008	[7401, 7233]	8081	[10164, 7447]	11154	[375, 8288]
1936	[3418, 3419]	5009	[7402, 5586]	8082	[7081, 10165]	11155	[9570, 11943]
1937	[3420, 3421]	5010	[7403, 568]	8083	[10166, 10167]	11156	[8996, 4164]
1938	[3422, 3423]	5011	[6366, 3085]	8084	[10168, 5847]	11157	[5205, 3630]
1939	[3424, 1420]	5012	[6767, 7404]	8085	[6115, 2713]	11158	[11944, 3236]
1940	[3425, 3426]	5013	[2034, 5592]	8086	[10169, 7288]	11159	[9225, 11945]
1941	[3427, 3428]	5014	[7405, 7406]	8087	[2067, 10170]	11160	[11343, 11946]
1942	[3429, 1600]	5015	[3004, 7407]	8088	[10171, 2254]	11161	[4311, 11688]
1943	[338, 291]	5016	[2511, 5447]	8089	[10172, 10173]	11162	[8437, 8091]
1944	[3430, 3431]	5017	[7408, 5958]	8090	[6313, 10174]	11163	[11876, 1043]
1945	[3432, 3433]	5018	[7409, 5466]	8091	[10175, 6337]	11164	[7745, 7662]
1946	[3434, 3435]	5019	[3021, 7410]	8092	[10176, 10177]	11165	[9219, 11947]
1947	[3436, 3437]	5020	[7411, 6837]	8093	[7266, 6241]	11166	[3166, 11948]
1948	[3438, 3439]	5021	[7412, 7413]	8094	[10178, 10179]	11167	[4876, 11949]
1949	[3440, 3441]	5022	[3082, 2663]	8095	[6647, 2190]	11168	[4922, 7719]
1950	[3442, 3443]	5023	[7059, 7414]	8096	[10180, 10181]	11169	[8227, 18]

1951	[3444, 3445]	5024	[7415, 6859]	8097	[2312, 864]	11170	[8683, 3971]
1952	[3446, 3447]	5025	[1814, 6728]	8098	[9821, 6558]	11171	[8850, 9524]
1953	[3448, 1654]	5026	[7416, 7417]	8099	[10182, 10183]	11172	[1235, 4]
1954	[3449, 3450]	5027	[6829, 1850]	8100	[5314, 7249]	11173	[11950, 11951]
1955	[3451, 1403]	5028	[7418, 2649]	8101	[6164, 5370]	11174	[11807, 4695]
1956	[3365, 3452]	5029	[7419, 6252]	8102	[10184, 10185]	11175	[7950, 1316]
1957	[3453, 3454]	5030	[7420, 7421]	8103	[2669, 2196]	11176	[11878, 11952]
1958	[1649, 3455]	5031	[7422, 5509]	8104	[5910, 10186]	11177	[4213, 9007]
1959	[3456, 357]	5032	[7423, 7424]	8105	[10187, 9964]	11178	[11875, 11466]
1960	[3457, 3458]	5033	[6627, 2630]	8106	[10188, 10189]	11179	[9436, 4523]
1961	[3459, 3460]	5034	[7425, 7426]	8107	[5500, 10190]	11180	[7813, 11953]
1962	[3461, 3462]	5035	[7427, 7428]	8108	[2183, 5899]	11181	[7944, 11954]
1963	[368, 3463]	5036	[7429, 7430]	8109	[7293, 10191]	11182	[353, 11955]
1964	[3464, 3465]	5037	[6282, 2471]	8110	[10192, 246]	11183	[11644, 8168]
1965	[3466, 3467]	5038	[7431, 7432]	8111	[10193, 6334]	11184	[8794, 11956]
1966	[3468, 3469]	5039	[915, 7432]	8112	[5287, 7324]	11185	[8232, 3332]
1967	[3470, 3471]	5040	[5947, 7293]	8113	[10194, 5404]	11186	[5180, 8422]
1968	[3472, 3473]	5041	[5674, 6011]	8114	[10195, 828]	11187	[8924, 9454]
1969	[3474, 3475]	5042	[2338, 5784]	8115	[6806, 10196]	11188	[7986, 1496]
1970	[3476, 3477]	5043	[7433, 7434]	8116	[6187, 2106]	11189	[1005, 11957]
1971	[3478, 3479]	5044	[7039, 5601]	8117	[9948, 10197]	11190	[1301, 95]
1972	[3480, 3481]	5045	[6099, 7435]	8118	[10198, 830]	11191	[4304, 3495]
1973	[3482, 3369]	5046	[7436, 6002]	8119	[10199, 10200]	11192	[4297, 3853]
1974	[1383, 3483]	5047	[7437, 7438]	8120	[10201, 5855]	11193	[1435, 5134]
1975	[3484, 3485]	5048	[7439, 7440]	8121	[2319, 2056]	11194	[4617, 11958]
1976	[3486, 3487]	5049	[2688, 2392]	8122	[6589, 6194]	11195	[11581, 11959]
1977	[3488, 3489]	5050	[7441, 7442]	8123	[10202, 34]	11196	[8817, 1036]
1978	[3490, 1637]	5051	[6520, 7226]	8124	[10203, 10204]	11197	[11960, 1064]
1979	[3491, 3492]	5052	[7443, 2894]	8125	[6789, 934]	11198	[11374, 8778]
1980	[3493, 3494]	5053	[7260, 2975]	8126	[10205, 10206]	11199	[9191, 9215]
1981	[3495, 3496]	5054	[7444, 7445]	8127	[2100, 6977]	11200	[3597, 1696]
1982	[3497, 3498]	5055	[7446, 7447]	8128	[2778, 6833]	11201	[7951, 11961]
1983	[1527, 3499]	5056	[7448, 2296]	8129	[10207, 5903]	11202	[11903, 11962]
1984	[3500, 3168]	5057	[7398, 7396]	8130	[34, 10208]	11203	[8906, 9712]
1985	[3501, 3205]	5058	[180, 952]	8131	[6070, 595]	11204	[1125, 4407]
1986	[3502, 3503]	5059	[2513, 7449]	8132	[10209, 9908]	11205	[11698, 8787]
1987	[3504, 3505]	5060	[6280, 5978]	8133	[10210, 1912]	11206	[8707, 4229]
1988	[3506, 347]	5061	[7450, 7451]	8134	[641, 10211]	11207	[8008, 1448]
1989	[3507, 3508]	5062	[7452, 2808]	8135	[7495, 1977]	11208	[11920, 11963]
1990	[3509, 3510]	5063	[7453, 7202]	8136	[6883, 2075]	11209	[9358, 3358]
1991	[3511, 3512]	5064	[7454, 7455]	8137	[5319, 2113]	11210	[11765, 11964]
1992	[3513, 3514]	5065	[5482, 2490]	8138	[10212, 7436]	11211	[3683, 9585]
1993	[3515, 3516]	5066	[7456, 7457]	8139	[2859, 6712]	11212	[11965, 11966]
1994	[3517, 3518]	5067	[7458, 6213]	8140	[2208, 10213]	11213	[3866, 1569]

1995	[3519, 3520]	5068	[7459, 214]	8141	[6962, 2731]	11214	[11797, 1241]
1996	[3521, 1428]	5069	[2759, 7460]	8142	[2667, 5532]	11215	[11768, 5147]
1997	[3522, 3523]	5070	[1966, 2474]	8143	[10214, 3063]	11216	[5108, 4817]
1998	[3524, 1764]	5071	[7461, 1985]	8144	[10215, 10216]	11217	[8608, 11967]
1999	[3525, 3526]	5072	[2745, 230]	8145	[10217, 2841]	11218	[1647, 9303]
2000	[3527, 3528]	5073	[6480, 6051]	8146	[6196, 7410]	11219	[3419, 8570]
2001	[3529, 3530]	5074	[7462, 7463]	8147	[5445, 9838]	11220	[4315, 26]
2002	[3531, 1278]	5075	[7464, 7379]	8148	[2656, 2860]	11221	[8393, 11968]
2003	[3532, 3533]	5076	[7465, 7466]	8149	[10116, 6203]	11222	[7740, 8269]
2004	[3534, 3535]	5077	[7467, 7468]	8150	[6874, 143]	11223	[9101, 11756]
2005	[379, 3536]	5078	[2136, 5524]	8151	[5995, 514]	11224	[9025, 8172]
2006	[3537, 3538]	5079	[7284, 5582]	8152	[10202, 5629]	11225	[9313, 1381]
2007	[3539, 1050]	5080	[7469, 2254]	8153	[5626, 10218]	11226	[7890, 4114]
2008	[3540, 3541]	5081	[7470, 7470]	8154	[10219, 2748]	11227	[9334, 3160]
2009	[3542, 3543]	5082	[2991, 7378]	8155	[7589, 2816]	11228	[11653, 11301]
2010	[3544, 3545]	5083	[2986, 2881]	8156	[10220, 2351]	11229	[4853, 1547]
2011	[3546, 3547]	5084	[7471, 7472]	8157	[10221, 2819]	11230	[11379, 3719]
2012	[3548, 3549]	5085	[7473, 6526]	8158	[10222, 6129]	11231	[3520, 8605]
2013	[1781, 3550]	5086	[5568, 2817]	8159	[10223, 10224]	11232	[1426, 1392]
2014	[3551, 3552]	5087	[6471, 7474]	8160	[10225, 1913]	11233	[980, 3695]
2015	[3553, 3554]	5088	[5940, 713]	8161	[7537, 631]	11234	[6, 3394]
2016	[3186, 3555]	5089	[5961, 7475]	8162	[2292, 10226]	11235	[4833, 11969]
2017	[3556, 3557]	5090	[7476, 6887]	8163	[10227, 562]	11236	[7734, 4441]
2018	[3558, 3559]	5091	[6318, 6445]	8164	[1846, 6405]	11237	[3970, 1342]
2019	[3560, 3561]	5092	[1796, 2831]	8165	[9802, 10228]	11238	[7662, 11970]
2020	[3562, 3563]	5093	[747, 2098]	8166	[6022, 898]	11239	[3483, 11971]
2021	[3564, 3565]	5094	[7477, 6781]	8167	[5528, 3129]	11240	[9240, 4772]
2022	[3566, 3567]	5095	[7478, 2854]	8168	[2359, 710]	11241	[7713, 4577]
2023	[3568, 3569]	5096	[7479, 7480]	8169	[10229, 2784]	11242	[3719, 11972]
2024	[3570, 3331]	5097	[2007, 5398]	8170	[10230, 10231]	11243	[11243, 11243]
2025	[3571, 3572]	5098	[2698, 2298]	8171	[10232, 10233]	11244	[9688, 3269]
2026	[1009, 3294]	5099	[5354, 2514]	8172	[10234, 1893]	11245	[5050, 11973]
2027	[3573, 3574]	5100	[7481, 2169]	8173	[10235, 171]	11246	[3972, 11974]
2028	[3575, 1367]	5101	[7482, 7483]	8174	[10236, 2489]	11247	[4945, 1373]
2029	[3576, 93]	5102	[7484, 5998]	8175	[10160, 494]	11248	[9314, 11975]
2030	[3577, 3578]	5103	[7485, 7469]	8176	[3129, 10237]	11249	[8572, 9706]
2031	[3579, 400]	5104	[7486, 6500]	8177	[10238, 6126]	11250	[406, 4158]
2032	[3580, 3581]	5105	[7487, 2862]	8178	[10239, 10240]	11251	[7622, 11976]
2033	[3582, 3583]	5106	[7125, 7488]	8179	[9810, 10241]	11252	[4649, 3199]
2034	[3584, 3585]	5107	[7489, 5700]	8180	[10242, 10243]	11253	[9448, 11977]
2035	[3586, 3587]	5108	[7490, 7491]	8181	[2700, 7058]	11254	[26, 3651]
2036	[3588, 3589]	5109	[5981, 2252]	8182	[10244, 2006]	11255	[4927, 11874]
2037	[3590, 1673]	5110	[7492, 2388]	8183	[10245, 2240]	11256	[3479, 3523]
2038	[3591, 3592]	5111	[506, 6509]	8184	[10246, 6818]	11257	[352, 4552]

2039	[3593, 1248]	5112	[7493, 5525]	8185	[5296, 5765]	11258	[5163, 3838]
2040	[3594, 3595]	5113	[7494, 6053]	8186	[2242, 1787]	11259	[3229, 4292]
2041	[3596, 3597]	5114	[6435, 6171]	8187	[1850, 10247]	11260	[9672, 11978]
2042	[3598, 3599]	5115	[6257, 2195]	8188	[528, 587]	11261	[11606, 1403]
2043	[3600, 3601]	5116	[2907, 7495]	8189	[10248, 6728]	11262	[4134, 8608]
2044	[3602, 3603]	5117	[6609, 2910]	8190	[5978, 2612]	11263	[11979, 11749]
2045	[3604, 3605]	5118	[5574, 7496]	8191	[10249, 7108]	11264	[9169, 3427]
2046	[3606, 3607]	5119	[2394, 7497]	8192	[2636, 10250]	11265	[11673, 11980]
2047	[3608, 121]	5120	[7498, 7301]	8193	[126, 570]	11266	[11950, 9365]
2048	[3609, 3610]	5121	[7499, 6872]	8194	[10251, 5243]	11267	[3755, 1653]
2049	[3611, 3612]	5122	[7500, 7501]	8195	[6821, 5372]	11268	[4124, 7762]
2050	[1064, 3613]	5123	[6223, 6945]	8196	[10252, 5834]	11269	[11535, 7698]
2051	[3614, 3615]	5124	[7502, 7243]	8197	[7082, 50]	11270	[7805, 3996]
2052	[1087, 3616]	5125	[7503, 2477]	8198	[5270, 10253]	11271	[3340, 3739]
2053	[3617, 3618]	5126	[5331, 2805]	8199	[6364, 518]	11272	[3988, 8395]
2054	[3619, 3620]	5127	[3038, 5264]	8200	[9832, 3012]	11273	[9647, 4859]
2055	[3621, 1186]	5128	[3041, 5588]	8201	[5277, 237]	11274	[8255, 4666]
2056	[3622, 3623]	5129	[7504, 2705]	8202	[10254, 5863]	11275	[9745, 3895]
2057	[3624, 3625]	5130	[2238, 5419]	8203	[2415, 10255]	11276	[9417, 11981]
2058	[3626, 3627]	5131	[942, 2686]	8204	[10256, 5697]	11277	[4001, 11288]
2059	[3628, 3629]	5132	[6064, 2601]	8205	[2106, 2492]	11278	[3236, 11982]
2060	[3630, 3631]	5133	[7505, 7506]	8206	[10257, 10258]	11279	[5174, 11983]
2061	[3632, 3633]	5134	[6525, 7507]	8207	[10259, 6615]	11280	[11362, 4985]
2062	[3634, 3635]	5135	[7246, 2940]	8208	[10260, 5353]	11281	[11728, 11984]
2063	[3636, 3637]	5136	[7508, 2465]	8209	[10261, 7145]	11282	[9733, 11985]
2064	[3638, 1320]	5137	[820, 6834]	8210	[158, 5224]	11283	[11986, 7844]
2065	[3338, 3639]	5138	[7509, 3017]	8211	[3011, 5786]	11284	[8985, 1003]
2066	[3640, 3641]	5139	[7510, 7511]	8212	[5838, 2362]	11285	[9835, 6583]
2067	[1124, 3642]	5140	[7512, 5665]	8213	[7419, 10262]	11286	[6914, 7318]
2068	[3643, 3644]	5141	[7513, 7514]	8214	[6587, 5641]	11287	[11987, 2726]
2069	[444, 3645]	5142	[7515, 2720]	8215	[1920, 10263]	11288	[10550, 6241]
2070	[1039, 3646]	5143	[7516, 1863]	8216	[10264, 9873]	11289	[7388, 7285]
2071	[3647, 3648]	5144	[7517, 6623]	8217	[10265, 7049]	11290	[6736, 2613]
2072	[434, 3616]	5145	[7518, 7519]	8218	[2029, 10266]	11291	[11988, 2017]
2073	[1728, 3649]	5146	[7520, 7521]	8219	[6442, 7196]	11292	[6425, 7537]
2074	[3650, 3651]	5147	[6657, 5896]	8220	[2949, 948]	11293	[10021, 11989]
2075	[3652, 3653]	5148	[2917, 7522]	8221	[193, 10267]	11294	[675, 5277]
2076	[3654, 3655]	5149	[6555, 7495]	8222	[2461, 10097]	11295	[11990, 11991]
2077	[3656, 3657]	5150	[7111, 5966]	8223	[5257, 10254]	11296	[10788, 6084]
2078	[3658, 3659]	5151	[7523, 7524]	8224	[10268, 6204]	11297	[6757, 5890]
2079	[3660, 3661]	5152	[7525, 7526]	8225	[10269, 2456]	11298	[11992, 2115]
2080	[63, 962]	5153	[1858, 7117]	8226	[10270, 10271]	11299	[11993, 11994]
2081	[3662, 3663]	5154	[7527, 7528]	8227	[6282, 10272]	11300	[11995, 11996]
2082	[3664, 3665]	5155	[7529, 802]	8228	[10273, 7445]	11301	[5342, 2236]

2083	[1052, 3666]	5156	[7530, 7531]	8229	[10274, 5345]	11302	[11997, 11998]
2084	[3667, 1233]	5157	[5738, 670]	8230	[10275, 944]	11303	[7389, 7143]
2085	[3668, 3669]	5158	[2003, 7532]	8231	[807, 5512]	11304	[10707, 9887]
2086	[3670, 3671]	5159	[5376, 5724]	8232	[5460, 2693]	11305	[11999, 6661]
2087	[1166, 3672]	5160	[6203, 3126]	8233	[867, 10276]	11306	[12000, 12001]
2088	[3673, 3674]	5161	[7533, 7534]	8234	[6993, 9989]	11307	[10815, 862]
2089	[3675, 3676]	5162	[7535, 6428]	8235	[10277, 10278]	11308	[2970, 12002]
2090	[3677, 3444]	5163	[7536, 2546]	8236	[10084, 6134]	11309	[2542, 179]
2091	[386, 3678]	5164	[185, 603]	8237	[10279, 9803]	11310	[10948, 10171]
2092	[3679, 3680]	5165	[7537, 1803]	8238	[9986, 5823]	11311	[6685, 6524]
2093	[3681, 3682]	5166	[7538, 7539]	8239	[907, 10280]	11312	[12003, 12004]
2094	[3683, 3684]	5167	[628, 7540]	8240	[7119, 60]	11313	[7517, 549]
2095	[3315, 3685]	5168	[6512, 7541]	8241	[6030, 5371]	11314	[5924, 2135]
2096	[3686, 3597]	5169	[6568, 6916]	8242	[1812, 10281]	11315	[1877, 10158]
2097	[3687, 3688]	5170	[7542, 5989]	8243	[5905, 5948]	11316	[12005, 10485]
2098	[3689, 3690]	5171	[7543, 7544]	8244	[7296, 2631]	11317	[584, 12006]
2099	[3691, 3692]	5172	[1871, 6366]	8245	[2588, 5688]	11318	[12007, 7439]
2100	[3693, 3694]	5173	[7545, 7546]	8246	[10282, 5614]	11319	[2845, 6610]
2101	[3695, 3696]	5174	[7547, 7548]	8247	[5768, 9923]	11320	[10209, 5585]
2102	[3697, 3698]	5175	[7549, 5977]	8248	[6865, 6921]	11321	[5727, 7512]
2103	[3699, 3700]	5176	[2263, 7550]	8249	[2304, 10283]	11322	[12008, 12009]
2104	[1183, 3701]	5177	[1811, 2311]	8250	[6673, 2463]	11323	[10481, 6764]
2105	[3702, 1416]	5178	[7551, 7552]	8251	[10284, 778]	11324	[6539, 12010]
2106	[3703, 3704]	5179	[853, 2943]	8252	[10152, 3080]	11325	[10644, 5808]
2107	[3705, 3706]	5180	[7553, 7554]	8253	[10285, 2794]	11326	[6572, 12011]
2108	[3707, 3708]	5181	[7555, 6824]	8254	[10167, 7197]	11327	[10723, 12012]
2109	[3709, 3710]	5182	[6410, 133]	8255	[10286, 6231]	11328	[7083, 2550]
2110	[3711, 3712]	5183	[2435, 7556]	8256	[10287, 2509]	11329	[12013, 10180]
2111	[3713, 3714]	5184	[2469, 7250]	8257	[741, 10288]	11330	[12013, 6731]
2112	[3715, 24]	5185	[2681, 7557]	8258	[10289, 924]	11331	[11120, 2061]
2113	[1177, 1715]	5186	[795, 2272]	8259	[10290, 10031]	11332	[5727, 5664]
2114	[71, 3716]	5187	[7558, 7559]	8260	[5684, 630]	11333	[1903, 2112]
2115	[3717, 3718]	5188	[7560, 7561]	8261	[10291, 10292]	11334	[5882, 12014]
2116	[3719, 3720]	5189	[7562, 7563]	8262	[689, 6550]	11335	[12015, 7122]
2117	[3721, 3722]	5190	[2352, 3075]	8263	[10006, 6830]	11336	[3042, 6714]
2118	[3723, 3724]	5191	[7564, 7565]	8264	[10293, 874]	11337	[12008, 9950]
2119	[3725, 3726]	5192	[7566, 7567]	8265	[10294, 9855]	11338	[7480, 12016]
2120	[3727, 3728]	5193	[7568, 2311]	8266	[2208, 508]	11339	[5328, 6650]
2121	[3729, 3730]	5194	[7569, 1919]	8267	[10295, 2325]	11340	[10163, 10061]
2122	[3731, 3732]	5195	[7509, 7570]	8268	[10296, 201]	11341	[12017, 12018]
2123	[3733, 3734]	5196	[2935, 7571]	8269	[6902, 804]	11342	[6995, 2599]
2124	[1070, 3735]	5197	[6914, 796]	8270	[5448, 6451]	11343	[6022, 2058]
2125	[3736, 3737]	5198	[7572, 7573]	8271	[10297, 10081]	11344	[10957, 12019]
2126	[3738, 3739]	5199	[6826, 6308]	8272	[10298, 10299]	11345	[12020, 2501]

2127	[3740, 3741]	5200	[7574, 7575]	8273	[7093, 5754]	11346	[6220, 6751]
2128	[3742, 3743]	5201	[7231, 2877]	8274	[5452, 10300]	11347	[12021, 7571]
2129	[3744, 3745]	5202	[5905, 3041]	8275	[3094, 10301]	11348	[847, 7184]
2130	[3746, 3747]	5203	[2123, 5999]	8276	[6677, 5427]	11349	[10564, 12022]
2131	[3748, 3749]	5204	[7576, 1962]	8277	[6951, 10302]	11350	[9873, 12023]
2132	[3750, 3751]	5205	[7577, 5872]	8278	[9937, 5711]	11351	[10657, 5965]
2133	[3752, 3753]	5206	[6868, 6909]	8279	[5815, 39]	11352	[12024, 1888]
2134	[1088, 3188]	5207	[7578, 622]	8280	[7247, 6639]	11353	[5371, 12025]
2135	[1364, 3754]	5208	[6284, 7579]	8281	[10303, 2856]	11354	[11058, 2151]
2136	[3755, 3466]	5209	[7580, 7421]	8282	[10304, 10305]	11355	[5618, 839]
2137	[3756, 3757]	5210	[7581, 2004]	8283	[5358, 1983]	11356	[2131, 3142]
2138	[104, 3758]	5211	[7468, 679]	8284	[2351, 5781]	11357	[12026, 12027]
2139	[3759, 3760]	5212	[7582, 2279]	8285	[5911, 10306]	11358	[12028, 7496]
2140	[3761, 3762]	5213	[586, 902]	8286	[10307, 6157]	11359	[5529, 10366]
2141	[3763, 3764]	5214	[7081, 2554]	8287	[10308, 9879]	11360	[6857, 12029]
2142	[3765, 3766]	5215	[5787, 7583]	8288	[6946, 723]	11361	[5229, 12030]
2143	[28, 1726]	5216	[7584, 6450]	8289	[576, 10309]	11362	[12031, 6114]
2144	[16, 3767]	5217	[7585, 7586]	8290	[6950, 6835]	11363	[5609, 7552]
2145	[3768, 3769]	5218	[6039, 7587]	8291	[10310, 2398]	11364	[5757, 12032]
2146	[3770, 3771]	5219	[6797, 7588]	8292	[10311, 10312]	11365	[529, 588]
2147	[3772, 3694]	5220	[7589, 5568]	8293	[2182, 5898]	11366	[10819, 12033]
2148	[3773, 3774]	5221	[7590, 589]	8294	[6364, 2678]	11367	[12034, 12035]
2149	[3775, 3776]	5222	[5736, 6219]	8295	[2426, 6963]	11368	[9882, 10940]
2150	[356, 3777]	5223	[7591, 4310]	8296	[6616, 6936]	11369	[10667, 12036]
2151	[3778, 311]	5224	[7592, 4210]	8297	[717, 7343]	11370	[11092, 12037]
2152	[3779, 3780]	5225	[7593, 4649]	8298	[10313, 6432]	11371	[12038, 10050]
2153	[3781, 3782]	5226	[4808, 7594]	8299	[2310, 7284]	11372	[9890, 7436]
2154	[1455, 3783]	5227	[1216, 7595]	8300	[7013, 10314]	11373	[6908, 12039]
2155	[3784, 3785]	5228	[7596, 7597]	8301	[10315, 10316]	11374	[903, 12040]
2156	[3786, 995]	5229	[7598, 7599]	8302	[2618, 2161]	11375	[12041, 5580]
2157	[3787, 3788]	5230	[7600, 7601]	8303	[10317, 6942]	11376	[11043, 11193]
2158	[3789, 3790]	5231	[7602, 3679]	8304	[6955, 5726]	11377	[6969, 12042]
2159	[3791, 3792]	5232	[7603, 4073]	8305	[10318, 5949]	11378	[6497, 12043]
2160	[3793, 3794]	5233	[7604, 4855]	8306	[6219, 830]	11379	[12044, 5994]
2161	[3795, 3796]	5234	[7605, 7606]	8307	[10319, 10153]	11380	[7066, 10676]
2162	[3797, 3798]	5235	[7607, 7608]	8308	[6933, 10320]	11381	[12045, 6933]
2163	[3799, 3800]	5236	[7609, 1495]	8309	[10321, 5483]	11382	[5942, 12046]
2164	[1365, 3801]	5237	[7610, 3317]	8310	[10322, 2730]	11383	[12047, 12048]
2165	[3802, 3784]	5238	[4081, 7611]	8311	[10323, 10324]	11384	[10828, 6418]
2166	[462, 3803]	5239	[7612, 1311]	8312	[10311, 2345]	11385	[10763, 12049]
2167	[3804, 3445]	5240	[4646, 295]	8313	[10325, 10326]	11386	[12050, 12051]
2168	[111, 3805]	5241	[7613, 1745]	8314	[10327, 3001]	11387	[857, 7559]
2169	[3806, 1102]	5242	[7614, 7615]	8315	[10328, 946]	11388	[5612, 10147]
2170	[1599, 3807]	5243	[7616, 1754]	8316	[9767, 10329]	11389	[9940, 739]

2171	[268, 1180]	5244	[7617, 3268]	8317	[2772, 2950]	11390	[6895, 12052]
2172	[276, 3808]	5245	[7618, 4607]	8318	[10330, 10331]	11391	[10607, 7204]
2173	[3809, 3810]	5246	[5215, 3315]	8319	[10332, 10333]	11392	[2893, 12053]
2174	[3811, 3812]	5247	[4470, 7619]	8320	[2563, 6819]	11393	[11024, 129]
2175	[3813, 3814]	5248	[3342, 5065]	8321	[6651, 7215]	11394	[10040, 9771]
2176	[1014, 3815]	5249	[7620, 5]	8322	[10334, 10335]	11395	[7154, 2199]
2177	[1018, 3816]	5250	[4417, 1404]	8323	[2161, 2094]	11396	[11095, 11998]
2178	[3817, 3818]	5251	[3977, 7621]	8324	[10336, 5779]	11397	[12054, 2173]
2179	[3819, 3820]	5252	[7622, 4246]	8325	[9869, 5489]	11398	[12055, 5348]
2180	[3821, 3822]	5253	[4324, 4416]	8326	[5900, 5921]	11399	[10282, 10891]
2181	[3823, 3824]	5254	[7623, 7624]	8327	[10337, 1926]	11400	[12056, 12057]
2182	[3825, 3826]	5255	[7625, 7626]	8328	[10338, 2565]	11401	[2484, 2082]
2183	[3827, 3828]	5256	[1606, 7627]	8329	[10298, 2241]	11402	[12058, 2228]
2184	[3829, 3830]	5257	[254, 1296]	8330	[10339, 6095]	11403	[12059, 175]
2185	[3831, 3832]	5258	[3657, 7628]	8331	[10340, 10341]	11404	[9884, 2517]
2186	[3833, 3834]	5259	[1366, 4361]	8332	[2683, 10003]	11405	[10222, 12060]
2187	[3834, 3835]	5260	[7629, 1174]	8333	[10342, 10343]	11406	[10629, 11129]
2188	[3836, 3837]	5261	[4196, 7630]	8334	[10344, 6433]	11407	[607, 1919]
2189	[3838, 3839]	5262	[7631, 4289]	8335	[10345, 6573]	11408	[7182, 12051]
2190	[3840, 3841]	5263	[7632, 7633]	8336	[6719, 2221]	11409	[10464, 12061]
2191	[3842, 3843]	5264	[5066, 291]	8337	[10346, 6480]	11410	[10764, 6057]
2192	[3812, 3844]	5265	[7634, 7635]	8338	[10347, 49]	11411	[5892, 5621]
2193	[3845, 3846]	5266	[4139, 3512]	8339	[6569, 6083]	11412	[10210, 12062]
2194	[3847, 3848]	5267	[3463, 7636]	8340	[10348, 6342]	11413	[12063, 10697]
2195	[3849, 3850]	5268	[3790, 7637]	8341	[10349, 10350]	11414	[12064, 10412]
2196	[3851, 3852]	5269	[7638, 7639]	8342	[2535, 5431]	11415	[5329, 2696]
2197	[3853, 3854]	5270	[7640, 7641]	8343	[10351, 6424]	11416	[6647, 6692]
2198	[457, 1171]	5271	[5187, 5202]	8344	[10352, 6699]	11417	[5593, 5686]
2199	[3855, 3856]	5272	[7642, 1438]	8345	[10353, 10354]	11418	[6642, 5742]
2200	[3857, 1639]	5273	[7643, 7644]	8346	[10355, 10356]	11419	[11029, 12065]
2201	[3858, 3859]	5274	[4937, 374]	8347	[10357, 10331]	11420	[5400, 6423]
2202	[3860, 3861]	5275	[7645, 7646]	8348	[2722, 2924]	11421	[657, 5454]
2203	[3862, 3863]	5276	[319, 7647]	8349	[10358, 10359]	11422	[6294, 12066]
2204	[3864, 3338]	5277	[7648, 7649]	8350	[10360, 10361]	11423	[2341, 2660]
2205	[3865, 3866]	5278	[7650, 7651]	8351	[10362, 836]	11424	[10517, 2820]
2206	[3867, 3868]	5279	[4361, 7652]	8352	[10363, 5565]	11425	[6399, 2431]
2207	[3869, 3870]	5280	[7653, 3303]	8353	[10292, 5264]	11426	[6976, 6560]
2208	[1247, 3871]	5281	[4789, 7654]	8354	[6499, 10364]	11427	[11062, 12067]
2209	[3872, 3873]	5282	[7655, 382]	8355	[10365, 10366]	11428	[5543, 10547]
2210	[3874, 3732]	5283	[7656, 270]	8356	[6755, 10367]	11429	[5647, 7093]
2211	[3875, 3876]	5284	[7657, 1311]	8357	[10368, 948]	11430	[12068, 6166]
2212	[3877, 3878]	5285	[1058, 7658]	8358	[138, 6450]	11431	[6478, 12069]
2213	[3879, 3880]	5286	[7659, 4010]	8359	[3083, 6503]	11432	[5633, 12070]
2214	[3881, 3882]	5287	[7660, 3313]	8360	[6896, 231]	11433	[5720, 9792]

2215	[3883, 3884]	5288	[7661, 1343]	8361	[10369, 6995]	11434	[9931, 10217]
2216	[1580, 3885]	5289	[4080, 7662]	8362	[6593, 6975]	11435	[728, 12071]
2217	[3886, 3887]	5290	[7663, 7664]	8363	[10370, 10371]	11436	[718, 7344]
2218	[3888, 3889]	5291	[7665, 7666]	8364	[9859, 643]	11437	[2213, 12072]
2219	[3890, 3891]	5292	[7667, 1607]	8365	[10372, 7376]	11438	[6706, 7475]
2220	[3892, 3893]	5293	[7668, 7669]	8366	[3136, 788]	11439	[10627, 10243]
2221	[3894, 3895]	5294	[7670, 7671]	8367	[10373, 10374]	11440	[2641, 130]
2222	[3896, 3897]	5295	[3772, 7672]	8368	[7539, 10218]	11441	[10280, 5297]
2223	[3898, 3899]	5296	[7673, 7674]	8369	[3153, 10375]	11442	[6374, 9882]
2224	[397, 3900]	5297	[7675, 4479]	8370	[2439, 6205]	11443	[2648, 6072]
2225	[3901, 1188]	5298	[4995, 7676]	8371	[6338, 7153]	11444	[12059, 7350]
2226	[3902, 3903]	5299	[7677, 4793]	8372	[10376, 3064]	11445	[12041, 12073]
2227	[3904, 3905]	5300	[3346, 990]	8373	[10115, 6202]	11446	[12074, 5545]
2228	[3906, 1140]	5301	[7678, 4615]	8374	[871, 10377]	11447	[12075, 10120]
2229	[3907, 3908]	5302	[7679, 4597]	8375	[10378, 6639]	11448	[10837, 7489]
2230	[1548, 3909]	5303	[7680, 3334]	8376	[10379, 10156]	11449	[10214, 5253]
2231	[3910, 483]	5304	[7681, 7682]	8377	[10380, 9868]	11450	[11995, 6579]
2232	[3911, 3912]	5305	[4367, 3314]	8378	[839, 2418]	11451	[12076, 2740]
2233	[3913, 3914]	5306	[1339, 7683]	8379	[10381, 2493]	11452	[2669, 6132]
2234	[3915, 3760]	5307	[4894, 7684]	8380	[6981, 5405]	11453	[7115, 12077]
2235	[3916, 3917]	5308	[7685, 1779]	8381	[10382, 10383]	11454	[6563, 6233]
2236	[3918, 3919]	5309	[7686, 7687]	8382	[10384, 9934]	11455	[12078, 2592]
2237	[3920, 3921]	5310	[3845, 4949]	8383	[10385, 5369]	11456	[7092, 7179]
2238	[3677, 3804]	5311	[3398, 3185]	8384	[10386, 6035]	11457	[1926, 6475]
2239	[3776, 3922]	5312	[7688, 7689]	8385	[5622, 10387]	11458	[12079, 10183]
2240	[3923, 1398]	5313	[7690, 3699]	8386	[10388, 6121]	11459	[12080, 2248]
2241	[3924, 1655]	5314	[7691, 3706]	8387	[6441, 10166]	11460	[10193, 6211]
2242	[3925, 3926]	5315	[7692, 4312]	8388	[2223, 7363]	11461	[12078, 6369]
2243	[3927, 3928]	5316	[5140, 1704]	8389	[10389, 2256]	11462	[12081, 10719]
2244	[3929, 398]	5317	[7693, 4327]	8390	[5312, 620]	11463	[12082, 10470]
2245	[1162, 1379]	5318	[7654, 1207]	8391	[5886, 10390]	11464	[11007, 10151]
2246	[3930, 3931]	5319	[7694, 71]	8392	[10391, 56]	11465	[12083, 12084]
2247	[3932, 3845]	5320	[7695, 7696]	8393	[10392, 10393]	11466	[12085, 6476]
2248	[1655, 3933]	5321	[7697, 7698]	8394	[5980, 614]	11467	[2854, 12086]
2249	[3934, 3935]	5322	[7699, 3959]	8395	[10394, 6671]	11468	[5750, 6515]
2250	[3936, 3937]	5323	[7700, 7701]	8396	[10395, 9918]	11469	[6317, 6444]
2251	[3739, 3938]	5324	[7702, 7703]	8397	[10396, 2264]	11470	[12087, 2926]
2252	[3939, 3457]	5325	[4887, 3421]	8398	[10397, 10398]	11471	[10411, 3098]
2253	[3200, 3268]	5326	[4238, 7704]	8399	[10399, 10400]	11472	[9805, 6935]
2254	[3940, 3941]	5327	[1501, 7705]	8400	[5913, 1949]	11473	[10741, 2621]
2255	[3942, 3943]	5328	[4762, 7706]	8401	[7311, 6629]	11474	[5820, 6489]
2256	[3782, 3944]	5329	[7707, 7708]	8402	[10401, 6411]	11475	[7277, 12088]
2257	[3945, 3946]	5330	[7705, 4762]	8403	[671, 61]	11476	[10336, 6297]
2258	[3947, 3948]	5331	[7709, 7710]	8404	[10402, 10403]	11477	[2199, 12089]

2259	[3949, 3950]	5332	[7711, 7712]	8405	[10404, 2796]	11478	[12090, 2431]
2260	[3951, 383]	5333	[7713, 1628]	8406	[5970, 10405]	11479	[12091, 10517]
2261	[3952, 3953]	5334	[7714, 7715]	8407	[10307, 10406]	11480	[5568, 12092]
2262	[3954, 1146]	5335	[7716, 5193]	8408	[2604, 5975]	11481	[2436, 7001]
2263	[3323, 3955]	5336	[7717, 7718]	8409	[10296, 2042]	11482	[7213, 7302]
2264	[3956, 3957]	5337	[7719, 4781]	8410	[6546, 10407]	11483	[10532, 5704]
2265	[1402, 3958]	5338	[3635, 4041]	8411	[6458, 10408]	11484	[7586, 6843]
2266	[3418, 1382]	5339	[1029, 4618]	8412	[9925, 7565]	11485	[2290, 12093]
2267	[3959, 451]	5340	[4504, 1072]	8413	[7254, 2880]	11486	[9855, 12094]
2268	[444, 3960]	5341	[7720, 7721]	8414	[10409, 10410]	11487	[2044, 9995]
2269	[1138, 1430]	5342	[7722, 3920]	8415	[10411, 6767]	11488	[12095, 10902]
2270	[3961, 3962]	5343	[7723, 3560]	8416	[5734, 5401]	11489	[1999, 5242]
2271	[3963, 3964]	5344	[3274, 7724]	8417	[10412, 10413]	11490	[10205, 12096]
2272	[3965, 3966]	5345	[7725, 7726]	8418	[10330, 10414]	11491	[6112, 12097]
2273	[3967, 3968]	5346	[7727, 7728]	8419	[10334, 7463]	11492	[7106, 9831]
2274	[3969, 3970]	5347	[7729, 7730]	8420	[10415, 10416]	11493	[10670, 627]
2275	[3971, 3972]	5348	[7731, 7732]	8421	[3031, 7255]	11494	[6645, 230]
2276	[3973, 3974]	5349	[7733, 7734]	8422	[10417, 7286]	11495	[12098, 3024]
2277	[3975, 3738]	5350	[7735, 1456]	8423	[7554, 5259]	11496	[12099, 724]
2278	[3976, 3977]	5351	[3334, 4241]	8424	[2085, 664]	11497	[10587, 9834]
2279	[3978, 3979]	5352	[7736, 4328]	8425	[6225, 2120]	11498	[11076, 2513]
2280	[272, 3980]	5353	[993, 7737]	8426	[9860, 10418]	11499	[12100, 12101]
2281	[3981, 3982]	5354	[7738, 7739]	8427	[6566, 6838]	11500	[6601, 2876]
2282	[3983, 3249]	5355	[391, 7740]	8428	[9762, 10419]	11501	[10943, 3114]
2283	[3984, 3985]	5356	[7741, 3361]	8429	[7139, 2325]	11502	[6466, 2762]
2284	[1393, 3919]	5357	[7742, 3725]	8430	[7249, 10420]	11503	[6884, 12102]
2285	[3986, 3987]	5358	[5017, 3695]	8431	[10421, 6570]	11504	[204, 11144]
2286	[3988, 3541]	5359	[7743, 4114]	8432	[10422, 6018]	11505	[6965, 12103]
2287	[3989, 3990]	5360	[7744, 7745]	8433	[5733, 2013]	11506	[10159, 6225]
2288	[3991, 3992]	5361	[7746, 7747]	8434	[10423, 2485]	11507	[708, 12104]
2289	[3993, 3994]	5362	[3463, 3190]	8435	[1975, 10424]	11508	[10842, 11022]
2290	[3995, 3996]	5363	[5110, 3386]	8436	[6623, 7029]	11509	[2574, 12105]
2291	[3997, 3998]	5364	[3869, 7748]	8437	[6694, 10425]	11510	[7025, 12106]
2292	[1072, 3999]	5365	[7749, 3716]	8438	[5402, 7024]	11511	[10706, 2483]
2293	[4000, 1749]	5366	[7750, 4972]	8439	[10426, 10427]	11512	[12017, 10731]
2294	[4001, 3775]	5367	[7751, 77]	8440	[5920, 10428]	11513	[10561, 6229]
2295	[4002, 4003]	5368	[1749, 4405]	8441	[6006, 3153]	11514	[6174, 7009]
2296	[4004, 404]	5369	[7752, 7626]	8442	[10208, 612]	11515	[10401, 575]
2297	[4005, 4006]	5370	[7753, 1716]	8443	[7039, 10429]	11516	[12082, 12107]
2298	[4007, 1263]	5371	[7754, 476]	8444	[1946, 10430]	11517	[10521, 7013]
2299	[4008, 1333]	5372	[1770, 7755]	8445	[1954, 3080]	11518	[10728, 5332]
2300	[4009, 4010]	5373	[978, 7756]	8446	[10431, 10432]	11519	[2785, 12108]
2301	[4011, 4012]	5374	[7757, 7758]	8447	[9922, 619]	11520	[2323, 10972]
2302	[4013, 4014]	5375	[7759, 7760]	8448	[10153, 10433]	11521	[7223, 7365]

2303	[4015, 4016]	5376	[7761, 7762]	8449	[10434, 6136]	11522	[12109, 3035]
2304	[4017, 4018]	5377	[7763, 7764]	8450	[9778, 10435]	11523	[7479, 9934]
2305	[4019, 1439]	5378	[7765, 7766]	8451	[10436, 10122]	11524	[9846, 10085]
2306	[3987, 4020]	5379	[7767, 7768]	8452	[10437, 2032]	11525	[1873, 2210]
2307	[4021, 4022]	5380	[4224, 7769]	8453	[2751, 2355]	11526	[6656, 6922]
2308	[3261, 4023]	5381	[7770, 7716]	8454	[10438, 10439]	11527	[6109, 5481]
2309	[4024, 4025]	5382	[1174, 7771]	8455	[6721, 10440]	11528	[6905, 5561]
2310	[4026, 4027]	5383	[4076, 1543]	8456	[6038, 2305]	11529	[11223, 12110]
2311	[1032, 4028]	5384	[7772, 7773]	8457	[10441, 10442]	11530	[2441, 10626]
2312	[4029, 3691]	5385	[7774, 4545]	8458	[7011, 5437]	11531	[2267, 9967]
2313	[4030, 1604]	5386	[7775, 1095]	8459	[5422, 9947]	11532	[12111, 10374]
2314	[4031, 4032]	5387	[7776, 1445]	8460	[1834, 5518]	11533	[6684, 2740]
2315	[4033, 4034]	5388	[7777, 4293]	8461	[6174, 185]	11534	[7069, 6016]
2316	[4035, 1306]	5389	[7778, 3592]	8462	[2528, 6990]	11535	[5277, 12112]
2317	[1432, 4036]	5390	[3178, 7779]	8463	[10443, 2155]	11536	[5364, 6145]
2318	[4037, 3622]	5391	[1710, 7780]	8464	[10444, 10445]	11537	[6106, 10092]
2319	[4038, 3624]	5392	[7781, 4104]	8465	[10446, 6680]	11538	[522, 12113]
2320	[4039, 4040]	5393	[3281, 3535]	8466	[10447, 5480]	11539	[6567, 2204]
2321	[4041, 4042]	5394	[3412, 7782]	8467	[7307, 10252]	11540	[10765, 5869]
2322	[4043, 4044]	5395	[7783, 7784]	8468	[5701, 540]	11541	[10893, 774]
2323	[4045, 3724]	5396	[7785, 3973]	8469	[2843, 10173]	11542	[10831, 177]
2324	[4046, 4047]	5397	[7786, 7787]	8470	[10448, 7155]	11543	[2944, 12114]
2325	[4048, 4049]	5398	[3944, 7788]	8471	[7248, 10449]	11544	[9815, 10924]
2326	[4050, 477]	5399	[1264, 7789]	8472	[6026, 10450]	11545	[2799, 6626]
2327	[4051, 4052]	5400	[7790, 7791]	8473	[7276, 5582]	11546	[6430, 545]
2328	[4053, 1490]	5401	[5155, 3836]	8474	[10451, 2106]	11547	[12115, 12116]
2329	[4054, 3678]	5402	[3479, 7792]	8475	[10452, 10453]	11548	[7321, 6180]
2330	[4055, 4056]	5403	[7793, 953]	8476	[603, 2244]	11549	[6369, 1834]
2331	[4057, 4058]	5404	[7794, 7795]	8477	[6336, 6299]	11550	[11278, 527]
2332	[4059, 1766]	5405	[1619, 4775]	8478	[5923, 5760]	11551	[5605, 10096]
2333	[1406, 4060]	5406	[7796, 477]	8479	[10454, 10455]	11552	[6100, 5549]
2334	[4061, 4062]	5407	[1288, 3747]	8480	[1826, 6570]	11553	[11186, 2825]
2335	[4063, 4064]	5408	[4392, 1718]	8481	[5267, 2690]	11554	[10658, 5819]
2336	[4065, 1743]	5409	[7797, 7798]	8482	[10456, 6671]	11555	[2056, 12117]
2337	[4066, 1121]	5410	[4701, 7799]	8483	[10246, 10457]	11556	[2709, 2076]
2338	[3956, 4067]	5411	[7800, 1528]	8484	[2705, 5226]	11557	[2103, 5695]
2339	[4068, 1523]	5412	[7801, 7802]	8485	[637, 10458]	11558	[2763, 12118]
2340	[4069, 4070]	5413	[7803, 4794]	8486	[6021, 6082]	11559	[12119, 12106]
2341	[1212, 4071]	5414	[7804, 7805]	8487	[10459, 10460]	11560	[12120, 5444]
2342	[4072, 4073]	5415	[7806, 254]	8488	[10461, 10462]	11561	[12121, 6959]
2343	[4074, 4075]	5416	[7807, 4751]	8489	[5589, 5335]	11562	[11165, 722]
2344	[4076, 4077]	5417	[7808, 7809]	8490	[5622, 2828]	11563	[41, 6111]
2345	[4078, 1679]	5418	[4786, 7810]	8491	[6878, 2015]	11564	[10016, 538]
2346	[4079, 4080]	5419	[4393, 1446]	8492	[7350, 6773]	11565	[10461, 7511]

2347	[4081, 4082]	5420	[7811, 7812]	8493	[10463, 2905]	11566	[2518, 5682]
2348	[4083, 4084]	5421	[7813, 7814]	8494	[10464, 207]	11567	[12121, 11105]
2349	[3916, 4085]	5422	[3512, 7815]	8495	[6956, 10465]	11568	[12122, 528]
2350	[4086, 4087]	5423	[7816, 7817]	8496	[10466, 2189]	11569	[7384, 530]
2351	[4088, 4089]	5424	[7818, 7819]	8497	[6398, 7035]	11570	[6148, 12123]
2352	[4090, 4091]	5425	[7820, 1444]	8498	[10275, 6328]	11571	[10890, 626]
2353	[4092, 3892]	5426	[7821, 3697]	8499	[10467, 10468]	11572	[6387, 6697]
2354	[4093, 4094]	5427	[3629, 5093]	8500	[10469, 10470]	11573	[7421, 12124]
2355	[4095, 4096]	5428	[7822, 3970]	8501	[6883, 2709]	11574	[6018, 6043]
2356	[4097, 4098]	5429	[4031, 7823]	8502	[6965, 2569]	11575	[10024, 5889]
2357	[4099, 3236]	5430	[3921, 7824]	8503	[2048, 2954]	11576	[10471, 6702]
2358	[4100, 3994]	5431	[97, 3637]	8504	[10471, 10472]	11577	[10104, 546]
2359	[4101, 3647]	5432	[7825, 3848]	8505	[10473, 218]	11578	[10591, 6248]
2360	[4102, 4103]	5433	[7826, 7827]	8506	[10474, 10475]	11579	[5315, 6631]
2361	[4104, 4105]	5434	[7828, 5141]	8507	[7410, 6730]	11580	[10404, 6393]
2362	[4106, 415]	5435	[4379, 7829]	8508	[6089, 860]	11581	[906, 6510]
2363	[4107, 3679]	5436	[7770, 7830]	8509	[5286, 5730]	11582	[12125, 10039]
2364	[4108, 3209]	5437	[7831, 4898]	8510	[10476, 5545]	11583	[11170, 6468]
2365	[4109, 4110]	5438	[7832, 1120]	8511	[6288, 2556]	11584	[12126, 7466]
2366	[4111, 4112]	5439	[7833, 4518]	8512	[6155, 2250]	11585	[6944, 6511]
2367	[4113, 1566]	5440	[7834, 1378]	8513	[10477, 6085]	11586	[10327, 3090]
2368	[4114, 1703]	5441	[7835, 1529]	8514	[9995, 10478]	11587	[10662, 2976]
2369	[4115, 4116]	5442	[7836, 3949]	8515	[2647, 1938]	11588	[12127, 12128]
2370	[4117, 484]	5443	[1564, 7837]	8516	[7371, 2176]	11589	[1986, 10248]
2371	[4118, 4119]	5444	[3541, 7838]	8517	[2281, 10479]	11590	[11246, 5652]
2372	[4120, 4121]	5445	[7839, 3564]	8518	[2309, 6097]	11591	[12129, 2681]
2373	[4122, 4123]	5446	[7840, 7841]	8519	[10480, 10481]	11592	[12130, 501]
2374	[3225, 4124]	5447	[3998, 3854]	8520	[6590, 7121]	11593	[1973, 728]
2375	[4125, 4126]	5448	[7842, 7843]	8521	[10482, 7539]	11594	[12131, 7150]
2376	[4127, 4128]	5449	[7844, 1557]	8522	[10483, 2275]	11595	[12132, 12037]
2377	[4129, 4130]	5450	[3747, 7845]	8523	[10207, 5375]	11596	[10862, 1829]
2378	[4131, 1119]	5451	[7846, 7847]	8524	[10277, 10412]	11597	[7494, 781]
2379	[4132, 4133]	5452	[3935, 7848]	8525	[6072, 744]	11598	[9928, 1932]
2380	[3441, 3829]	5453	[7849, 4721]	8526	[9938, 10235]	11599	[5273, 12133]
2381	[4134, 4135]	5454	[1259, 1657]	8527	[10484, 10485]	11600	[9883, 6127]
2382	[4136, 4137]	5455	[4810, 7850]	8528	[10486, 10487]	11601	[10791, 12134]
2383	[4138, 4139]	5456	[7851, 3635]	8529	[10488, 3014]	11602	[11235, 10410]
2384	[4140, 4141]	5457	[485, 7852]	8530	[10489, 5329]	11603	[11083, 1836]
2385	[4142, 4143]	5458	[7853, 7854]	8531	[10490, 7103]	11604	[10586, 5291]
2386	[3312, 4144]	5459	[7855, 5141]	8532	[10491, 2682]	11605	[7373, 12135]
2387	[4145, 4146]	5460	[7856, 4613]	8533	[10492, 10493]	11606	[939, 2557]
2388	[4147, 4148]	5461	[7857, 7834]	8534	[10494, 9777]	11607	[2258, 6766]
2389	[4149, 4150]	5462	[7858, 7859]	8535	[2130, 10495]	11608	[2385, 2856]
2390	[4151, 4152]	5463	[7860, 7856]	8536	[10496, 2965]	11609	[12136, 6835]

2391	[4153, 4154]	5464	[7861, 3954]	8537	[10497, 7474]	11610	[12137, 12138]
2392	[4155, 4156]	5465	[7862, 426]	8538	[7277, 5583]	11611	[6899, 10216]
2393	[4157, 3520]	5466	[7863, 7864]	8539	[10498, 10499]	11612	[11231, 6755]
2394	[3567, 4158]	5467	[7865, 85]	8540	[10500, 10501]	11613	[10064, 11264]
2395	[4159, 4160]	5468	[7866, 7867]	8541	[10446, 10502]	11614	[10515, 2194]
2396	[3544, 4161]	5469	[4091, 7868]	8542	[10503, 3053]	11615	[10620, 6093]
2397	[4162, 3256]	5470	[7869, 304]	8543	[10476, 6485]	11616	[12139, 5632]
2398	[4163, 4164]	5471	[4956, 4399]	8544	[2062, 2630]	11617	[5762, 6873]
2399	[4165, 1720]	5472	[1388, 4180]	8545	[151, 10430]	11618	[5653, 2888]
2400	[4166, 4167]	5473	[1024, 7671]	8546	[10504, 5480]	11619	[10770, 5738]
2401	[4168, 4169]	5474	[1265, 7870]	8547	[10505, 10506]	11620	[10537, 12140]
2402	[4170, 4171]	5475	[1620, 4776]	8548	[557, 10507]	11621	[10389, 2006]
2403	[4172, 4173]	5476	[4600, 7871]	8549	[9798, 6730]	11622	[9800, 852]
2404	[4174, 3237]	5477	[3560, 3593]	8550	[5471, 153]	11623	[12141, 12142]
2405	[4175, 4176]	5478	[7872, 7873]	8551	[10508, 10509]	11624	[2002, 666]
2406	[4177, 4178]	5479	[3604, 4383]	8552	[5397, 2276]	11625	[10993, 10343]
2407	[3948, 4179]	5480	[7874, 3258]	8553	[10510, 6326]	11626	[2301, 2834]
2408	[4180, 4181]	5481	[4688, 3306]	8554	[10511, 10512]	11627	[11009, 6533]
2409	[4182, 3629]	5482	[7875, 5150]	8555	[10513, 10514]	11628	[11175, 2946]
2410	[4183, 4184]	5483	[7876, 7877]	8556	[7477, 5677]	11629	[10176, 5791]
2411	[4185, 4186]	5484	[4316, 7878]	8557	[10515, 10516]	11630	[12125, 5293]
2412	[4187, 4188]	5485	[7879, 7880]	8558	[7302, 216]	11631	[6954, 5400]
2413	[3367, 4189]	5486	[4445, 7881]	8559	[10517, 10518]	11632	[5326, 782]
2414	[4190, 4191]	5487	[4655, 7882]	8560	[5251, 1808]	11633	[2073, 7500]
2415	[4192, 4193]	5488	[7883, 7884]	8561	[10519, 9986]	11634	[12075, 2214]
2416	[1713, 4194]	5489	[7885, 4447]	8562	[10520, 1970]	11635	[805, 3000]
2417	[4195, 4196]	5490	[7886, 3274]	8563	[10521, 516]	11636	[12054, 3054]
2418	[4197, 4198]	5491	[7887, 1049]	8564	[7410, 6414]	11637	[2310, 7276]
2419	[4199, 4200]	5492	[7888, 4844]	8565	[824, 3003]	11638	[726, 5676]
2420	[4201, 4202]	5493	[7889, 3195]	8566	[10522, 5704]	11639	[12143, 10400]
2421	[24, 4203]	5494	[7890, 5139]	8567	[1896, 9839]	11640	[12144, 2945]
2422	[4204, 4205]	5495	[4740, 7657]	8568	[9808, 10523]	11641	[10720, 10906]
2423	[4206, 4207]	5496	[7891, 7892]	8569	[659, 2835]	11642	[6635, 2649]
2424	[3747, 4208]	5497	[7893, 7894]	8570	[10524, 10501]	11643	[10872, 3045]
2425	[4209, 4210]	5498	[7895, 7896]	8571	[2584, 10525]	11644	[12145, 12146]
2426	[3808, 4211]	5499	[7897, 7898]	8572	[10526, 6533]	11645	[10684, 2181]
2427	[4212, 3240]	5500	[7899, 3806]	8573	[5472, 1821]	11646	[7289, 7513]
2428	[4213, 4214]	5501	[7858, 3181]	8574	[2142, 10527]	11647	[12056, 5802]
2429	[4215, 4216]	5502	[7900, 7901]	8575	[820, 2572]	11648	[10029, 6848]
2430	[4217, 4218]	5503	[7902, 3836]	8576	[10528, 10087]	11649	[7211, 5312]
2431	[4219, 4220]	5504	[7903, 7904]	8577	[10529, 10530]	11650	[10794, 820]
2432	[4221, 4222]	5505	[5191, 7905]	8578	[10531, 2909]	11651	[12147, 7327]
2433	[4223, 3391]	5506	[1289, 1269]	8579	[10532, 1941]	11652	[54, 12148]
2434	[1398, 4224]	5507	[7906, 3807]	8580	[10533, 7043]	11653	[2515, 11051]

2435	[4225, 4226]	5508	[4216, 7907]	8581	[10534, 10535]	11654	[9972, 9795]
2436	[4227, 4228]	5509	[7908, 1402]	8582	[3062, 2932]	11655	[11071, 6739]
2437	[4229, 4230]	5510	[5093, 7909]	8583	[6119, 3108]	11656	[11094, 2066]
2438	[4231, 3824]	5511	[7910, 7911]	8584	[3026, 6159]	11657	[10936, 5762]
2439	[3998, 4232]	5512	[7912, 7913]	8585	[10187, 10536]	11658	[11106, 5314]
2440	[1400, 369]	5513	[4096, 7914]	8586	[7110, 708]	11659	[2466, 12149]
2441	[4233, 4234]	5514	[7915, 4655]	8587	[10537, 10538]	11660	[1968, 12150]
2442	[4235, 3742]	5515	[3556, 7916]	8588	[7264, 7326]	11661	[12026, 10258]
2443	[4236, 4237]	5516	[7917, 7918]	8589	[6722, 10539]	11662	[10175, 10764]
2444	[4238, 1271]	5517	[7919, 294]	8590	[6318, 10540]	11663	[11012, 10565]
2445	[4239, 4240]	5518	[5107, 4350]	8591	[2086, 872]	11664	[6734, 7448]
2446	[3212, 4241]	5519	[3983, 7920]	8592	[10274, 10541]	11665	[10001, 5759]
2447	[4242, 4243]	5520	[5206, 7921]	8593	[2618, 2093]	11666	[12005, 12151]
2448	[4244, 484]	5521	[7922, 7923]	8594	[6396, 10542]	11667	[713, 12152]
2449	[4245, 4246]	5522	[7924, 7925]	8595	[10543, 6871]	11668	[6439, 5270]
2450	[4247, 4248]	5523	[4379, 7926]	8596	[2005, 2688]	11669	[5816, 6526]
2451	[443, 4249]	5524	[7927, 1444]	8597	[2838, 2122]	11670	[5735, 6218]
2452	[4250, 4251]	5525	[7928, 7929]	8598	[10544, 10545]	11671	[12153, 6947]
2453	[4252, 1541]	5526	[3732, 4608]	8599	[2989, 2986]	11672	[9877, 9898]
2454	[4253, 1304]	5527	[7930, 7931]	8600	[10546, 10547]	11673	[11119, 2919]
2455	[313, 4254]	5528	[7932, 5037]	8601	[10006, 10548]	11674	[2406, 6715]
2456	[4255, 4256]	5529	[4594, 4957]	8602	[10549, 10550]	11675	[6574, 12084]
2457	[4257, 4258]	5530	[7933, 3540]	8603	[7147, 5993]	11676	[10289, 12154]
2458	[4259, 4260]	5531	[404, 3728]	8604	[7299, 10551]	11677	[6434, 2916]
2459	[4261, 4262]	5532	[4575, 7934]	8605	[10552, 2214]	11678	[9961, 1789]
2460	[4263, 4264]	5533	[4670, 3799]	8606	[7135, 9892]	11679	[3029, 12155]
2461	[4265, 4266]	5534	[1255, 7935]	8607	[5707, 10464]	11680	[10568, 6576]
2462	[4267, 4268]	5535	[7936, 4342]	8608	[2781, 833]	11681	[11283, 6603]
2463	[4269, 4270]	5536	[7937, 7938]	8609	[6772, 10553]	11682	[682, 6902]
2464	[4271, 4272]	5537	[7939, 7622]	8610	[7505, 593]	11683	[2653, 2063]
2465	[4273, 4274]	5538	[7940, 7941]	8611	[5630, 5425]	11684	[11086, 10857]
2466	[4275, 4276]	5539	[3348, 4573]	8612	[2780, 832]	11685	[10498, 10879]
2467	[4277, 4278]	5540	[7942, 3530]	8613	[10554, 5420]	11686	[10732, 2228]
2468	[4279, 1470]	5541	[3631, 7943]	8614	[5311, 10555]	11687	[10245, 10298]
2469	[4280, 3290]	5542	[7944, 7945]	8615	[10556, 6916]	11688	[12156, 2971]
2470	[3455, 1001]	5543	[7656, 7946]	8616	[2604, 6068]	11689	[5236, 10043]
2471	[4281, 1548]	5544	[3508, 4060]	8617	[10097, 2632]	11690	[2021, 12157]
2472	[4282, 4283]	5545	[7947, 7948]	8618	[5771, 10557]	11691	[12131, 12158]
2473	[4284, 1697]	5546	[7949, 7906]	8619	[10558, 7424]	11692	[12159, 12160]
2474	[4285, 89]	5547	[7950, 7951]	8620	[601, 10559]	11693	[5745, 10153]
2475	[4286, 4287]	5548	[7952, 7953]	8621	[10560, 5661]	11694	[12161, 12162]
2476	[4288, 4289]	5549	[7954, 7955]	8622	[10057, 6324]	11695	[6809, 3060]
2477	[4290, 4291]	5550	[7956, 1306]	8623	[10561, 10562]	11696	[2069, 5424]
2478	[1651, 4292]	5551	[7957, 7958]	8624	[7118, 5967]	11697	[7574, 12035]

2479	[4293, 4294]	5552	[3506, 3501]	8625	[812, 1907]	11698	[6064, 12163]
2480	[4295, 4296]	5553	[3989, 7959]	8626	[10563, 5674]	11699	[7077, 9910]
2481	[252, 4083]	5554	[343, 7960]	8627	[10564, 233]	11700	[865, 2011]
2482	[4297, 3998]	5555	[1184, 7961]	8628	[10488, 9772]	11701	[12120, 3022]
2483	[4298, 4299]	5556	[7962, 5168]	8629	[10565, 5237]	11702	[5699, 12164]
2484	[4300, 4301]	5557	[7963, 7964]	8630	[10566, 10567]	11703	[7188, 6342]
2485	[4302, 3808]	5558	[7965, 7966]	8631	[10568, 10569]	11704	[12165, 6042]
2486	[4303, 316]	5559	[7967, 368]	8632	[2221, 792]	11705	[5462, 12166]
2487	[4304, 4305]	5560	[7968, 1272]	8633	[10570, 10571]	11706	[11178, 6271]
2488	[4306, 313]	5561	[7969, 7970]	8634	[10572, 6904]	11707	[10563, 909]
2489	[4307, 4308]	5562	[4177, 7971]	8635	[2896, 2562]	11708	[10139, 6837]
2490	[4309, 4195]	5563	[7972, 7863]	8636	[10573, 7241]	11709	[11160, 5301]
2491	[4310, 3561]	5564	[7973, 3769]	8637	[10574, 6418]	11710	[6931, 2597]
2492	[4311, 3544]	5565	[3295, 3416]	8638	[6414, 10575]	11711	[2389, 12167]
2493	[4312, 1189]	5566	[7974, 4196]	8639	[2045, 10576]	11712	[760, 2584]
2494	[4313, 371]	5567	[4126, 7975]	8640	[10018, 561]	11713	[10952, 2530]
2495	[4314, 3554]	5568	[7976, 5186]	8641	[2148, 6039]	11714	[9977, 12168]
2496	[3462, 389]	5569	[1564, 3562]	8642	[10577, 6137]	11715	[10423, 2933]
2497	[1602, 4315]	5570	[7977, 7978]	8643	[10238, 10578]	11716	[12169, 12140]
2498	[4316, 80]	5571	[1298, 3723]	8644	[10579, 755]	11717	[12170, 2397]
2499	[4317, 4182]	5572	[7979, 4635]	8645	[10443, 10580]	11718	[12139, 5757]
2500	[4318, 1779]	5573	[7980, 4637]	8646	[10581, 7448]	11719	[6569, 10788]
2501	[4319, 4320]	5574	[7981, 7982]	8647	[10582, 10583]	11720	[2487, 6804]
2502	[4321, 4322]	5575	[7983, 7984]	8648	[10584, 9808]	11721	[6395, 10021]
2503	[4323, 4324]	5576	[7985, 3613]	8649	[10585, 5773]	11722	[6937, 7451]
2504	[4325, 3850]	5577	[7986, 7987]	8650	[10586, 2849]	11723	[12171, 12172]
2505	[4326, 3784]	5578	[7988, 3263]	8651	[5355, 7166]	11724	[12068, 7458]
2506	[4327, 4328]	5579	[315, 7989]	8652	[6218, 10198]	11725	[6744, 6347]
2507	[4329, 4330]	5580	[7990, 3931]	8653	[2387, 6141]	11726	[1815, 897]
2508	[4331, 4332]	5581	[7991, 7992]	8654	[10587, 10588]	11727	[10964, 6801]
2509	[4333, 4334]	5582	[7993, 7994]	8655	[10589, 10590]	11728	[235, 942]
2510	[4335, 4336]	5583	[7995, 7996]	8656	[10591, 2152]	11729	[6947, 2908]
2511	[4337, 4338]	5584	[7997, 7998]	8657	[6976, 6779]	11730	[10700, 6432]
2512	[4339, 4340]	5585	[7999, 8000]	8658	[2173, 3055]	11731	[11077, 11085]
2513	[4341, 4342]	5586	[8001, 8002]	8659	[7547, 10403]	11732	[5721, 12173]
2514	[4343, 957]	5587	[8003, 3384]	8660	[10592, 2501]	11733	[2717, 2036]
2515	[3767, 4344]	5588	[5072, 8004]	8661	[10503, 10593]	11734	[10050, 10860]
2516	[4345, 4346]	5589	[5073, 5197]	8662	[1816, 5606]	11735	[10570, 2288]
2517	[4347, 4348]	5590	[8005, 4206]	8663	[10137, 5687]	11736	[12174, 12175]
2518	[4349, 4350]	5591	[8006, 3184]	8664	[10594, 1853]	11737	[10112, 1968]
2519	[4351, 4352]	5592	[4794, 7812]	8665	[2313, 10595]	11738	[12176, 5351]
2520	[4353, 4354]	5593	[8007, 7833]	8666	[6118, 5809]	11739	[6707, 2902]
2521	[4355, 4356]	5594	[8008, 3302]	8667	[5486, 10596]	11740	[12137, 7426]
2522	[4357, 4358]	5595	[8009, 4354]	8668	[10597, 6772]	11741	[10221, 10517]

2523	[3414, 4359]	5596	[8010, 3860]	8669	[10598, 10599]	11742	[737, 2047]
2524	[4360, 4068]	5597	[8011, 8012]	8670	[7283, 5485]	11743	[1941, 2370]
2525	[4361, 4362]	5598	[3421, 5079]	8671	[5522, 10600]	11744	[5986, 7334]
2526	[4363, 4364]	5599	[8013, 8014]	8672	[10601, 10602]	11745	[12176, 6788]
2527	[4365, 4366]	5600	[8015, 1236]	8673	[10603, 7368]	11746	[6449, 5374]
2528	[4367, 4368]	5601	[4422, 4168]	8674	[6369, 5517]	11747	[6043, 6668]
2529	[4369, 3686]	5602	[8016, 4455]	8675	[7267, 509]	11748	[12177, 12097]
2530	[4370, 3168]	5603	[8017, 8018]	8676	[7192, 2734]	11749	[12178, 2574]
2531	[4371, 4372]	5604	[8019, 1353]	8677	[10604, 10300]	11750	[10671, 586]
2532	[441, 1205]	5605	[8020, 8021]	8678	[10569, 6577]	11751	[10747, 12179]
2533	[3545, 4373]	5606	[3207, 4936]	8679	[699, 1806]	11752	[10533, 6186]
2534	[3547, 4374]	5607	[1197, 8022]	8680	[10605, 6858]	11753	[2443, 11185]
2535	[95, 4375]	5608	[8023, 8024]	8681	[3067, 10606]	11754	[2095, 11204]
2536	[4376, 4377]	5609	[5208, 8025]	8682	[10607, 10608]	11755	[6462, 12180]
2537	[4378, 3873]	5610	[8026, 8027]	8683	[10609, 10405]	11756	[12181, 10206]
2538	[1173, 4379]	5611	[8028, 8029]	8684	[10610, 7047]	11757	[2169, 12182]
2539	[4380, 4381]	5612	[8030, 7701]	8685	[10611, 2213]	11758	[7061, 5697]
2540	[3796, 463]	5613	[1579, 8031]	8686	[775, 5718]	11759	[224, 6154]
2541	[4382, 4383]	5614	[8032, 8033]	8687	[10442, 6850]	11760	[10436, 5432]
2542	[4384, 4385]	5615	[8034, 1654]	8688	[6297, 6151]	11761	[6450, 12183]
2543	[4386, 4387]	5616	[8035, 4141]	8689	[10612, 6152]	11762	[6869, 7544]
2544	[4388, 4128]	5617	[8036, 3471]	8690	[2319, 6979]	11763	[166, 12184]
2545	[4389, 4390]	5618	[8037, 4197]	8691	[7271, 10613]	11764	[5390, 5428]
2546	[1461, 301]	5619	[1653, 8038]	8692	[10614, 6060]	11765	[10970, 9783]
2547	[4391, 4392]	5620	[4651, 4964]	8693	[10615, 10616]	11766	[10126, 790]
2548	[454, 1357]	5621	[8039, 3360]	8694	[624, 10617]	11767	[10566, 10119]
2549	[4393, 4394]	5622	[7676, 8040]	8695	[10618, 10619]	11768	[6590, 3070]
2550	[4395, 4068]	5623	[8041, 8042]	8696	[10154, 239]	11769	[12000, 5411]
2551	[4396, 4397]	5624	[8043, 3835]	8697	[2219, 5725]	11770	[12079, 12185]
2552	[4398, 4399]	5625	[4598, 4625]	8698	[10620, 10621]	11771	[12186, 876]
2553	[4400, 4401]	5626	[4966, 4208]	8699	[10622, 10623]	11772	[12187, 12155]
2554	[1692, 122]	5627	[8044, 1067]	8700	[10624, 2889]	11773	[10340, 11261]
2555	[4402, 4403]	5628	[8045, 4684]	8701	[773, 10625]	11774	[6117, 5672]
2556	[4404, 4405]	5629	[8046, 8047]	8702	[10626, 3072]	11775	[2366, 7430]
2557	[4406, 4407]	5630	[8048, 5086]	8703	[2326, 227]	11776	[12188, 12189]
2558	[1325, 4408]	5631	[3860, 8049]	8704	[10627, 10628]	11777	[11053, 10491]
2559	[4409, 4410]	5632	[8050, 3725]	8705	[10629, 10630]	11778	[9905, 12190]
2560	[4411, 4412]	5633	[8051, 8052]	8706	[10477, 10175]	11779	[11253, 6243]
2561	[4413, 4414]	5634	[4718, 4027]	8707	[10631, 10632]	11780	[927, 8]
2562	[4415, 4416]	5635	[1292, 1016]	8708	[10633, 10634]	11781	[11194, 717]
2563	[4417, 4418]	5636	[8053, 8054]	8709	[10635, 2545]	11782	[7533, 6771]
2564	[4419, 4420]	5637	[8055, 4757]	8710	[6858, 699]	11783	[7292, 5516]
2565	[4421, 3929]	5638	[4251, 8056]	8711	[10636, 9910]	11784	[12191, 869]
2566	[3798, 4422]	5639	[5023, 8057]	8712	[2839, 2815]	11785	[12130, 6943]

2567	[4423, 4424]	5640	[1638, 1255]	8713	[10637, 10468]	11786	[11181, 11154]
2568	[4425, 4426]	5641	[7916, 8058]	8714	[9990, 9969]	11787	[10960, 12142]
2569	[4427, 1759]	5642	[8059, 8060]	8715	[10638, 10639]	11788	[9913, 10271]
2570	[4428, 4429]	5643	[1176, 8061]	8716	[6437, 762]	11789	[6186, 5769]
2571	[4430, 4431]	5644	[7809, 447]	8717	[10168, 828]	11790	[5666, 5470]
2572	[4432, 4433]	5645	[8062, 8063]	8718	[808, 6148]	11791	[6048, 6341]
2573	[4434, 4345]	5646	[8064, 3524]	8719	[7422, 1848]	11792	[2230, 2873]
2574	[4435, 4218]	5647	[8065, 7959]	8720	[10640, 10641]	11793	[6211, 10951]
2575	[4436, 4437]	5648	[1167, 8066]	8721	[9863, 7090]	11794	[11993, 10]
2576	[1269, 4438]	5649	[8067, 1371]	8722	[5526, 10642]	11795	[12099, 6339]
2577	[4439, 1650]	5650	[8068, 3943]	8723	[10023, 6355]	11796	[6708, 10398]
2578	[4440, 4441]	5651	[3337, 3164]	8724	[10643, 9922]	11797	[2224, 2480]
2579	[4442, 4443]	5652	[8069, 414]	8725	[10644, 10645]	11798	[12192, 2100]
2580	[4444, 4445]	5653	[359, 1440]	8726	[6002, 9779]	11799	[7209, 2591]
2581	[3938, 4446]	5654	[8070, 25]	8727	[10646, 10647]	11800	[6980, 5404]
2582	[4447, 1101]	5655	[4366, 8071]	8728	[3063, 827]	11801	[2812, 12193]
2583	[4448, 3569]	5656	[8072, 3845]	8729	[10648, 922]	11802	[2051, 10796]
2584	[4449, 4450]	5657	[1180, 8073]	8730	[10649, 10650]	11803	[2953, 2889]
2585	[1443, 4451]	5658	[8074, 1614]	8731	[10651, 5815]	11804	[5980, 12194]
2586	[4452, 124]	5659	[7666, 8075]	8732	[2486, 2426]	11805	[10696, 12195]
2587	[4453, 4454]	5660	[8076, 8077]	8733	[10652, 9984]	11806	[10897, 7457]
2588	[4455, 4456]	5661	[8078, 8079]	8734	[10653, 10654]	11807	[2639, 12196]
2589	[4457, 4458]	5662	[3470, 8080]	8735	[2087, 10655]	11808	[10875, 867]
2590	[4459, 4460]	5663	[8081, 360]	8736	[1971, 2118]	11809	[929, 9835]
2591	[4461, 1597]	5664	[8082, 8083]	8737	[10188, 5459]	11810	[12197, 12198]
2592	[4462, 4463]	5665	[1238, 7730]	8738	[6776, 10656]	11811	[10483, 5397]
2593	[4464, 1534]	5666	[8084, 8085]	8739	[10657, 7252]	11812	[10851, 5797]
2594	[4465, 4466]	5667	[4354, 8086]	8740	[10658, 10659]	11813	[10466, 6647]
2595	[3363, 4467]	5668	[4428, 3291]	8741	[175, 821]	11814	[2379, 12199]
2596	[4468, 4469]	5669	[8087, 8088]	8742	[2740, 5715]	11815	[10789, 2378]
2597	[4470, 4386]	5670	[1379, 7984]	8743	[10660, 10661]	11816	[10932, 7354]
2598	[4471, 4238]	5671	[334, 8089]	8744	[10662, 5864]	11817	[11195, 6420]
2599	[4472, 4473]	5672	[8090, 8091]	8745	[10663, 2457]	11818	[10755, 6617]
2600	[4474, 4475]	5673	[8092, 8093]	8746	[5827, 5713]	11819	[5487, 6823]
2601	[4476, 3564]	5674	[472, 4783]	8747	[10664, 2411]	11820	[12200, 7272]
2602	[4477, 4478]	5675	[8094, 5010]	8748	[533, 7568]	11821	[7080, 2553]
2603	[4479, 3674]	5676	[3216, 8095]	8749	[10665, 10666]	11822	[11112, 10616]
2604	[4480, 4481]	5677	[8096, 8097]	8750	[2127, 6978]	11823	[6555, 1976]
2605	[4482, 4483]	5678	[8098, 3708]	8751	[10667, 2179]	11824	[7412, 6666]
2606	[4207, 3631]	5679	[8099, 4749]	8752	[10668, 10669]	11825	[11002, 2738]
2607	[452, 1056]	5680	[8100, 8101]	8753	[2972, 2864]	11826	[10543, 7499]
2608	[4484, 4485]	5681	[4354, 8047]	8754	[1809, 591]	11827	[2559, 6087]
2609	[4486, 4487]	5682	[8102, 8103]	8755	[784, 2266]	11828	[10717, 6543]
2610	[4488, 4489]	5683	[8104, 5107]	8756	[10670, 2376]	11829	[12015, 6066]

2611	[4490, 4491]	5684	[4969, 8105]	8757	[10671, 6726]	11830	[1855, 11014]
2612	[4492, 4493]	5685	[3235, 1247]	8758	[7306, 590]	11831	[11118, 12201]
2613	[4494, 4495]	5686	[8106, 251]	8759	[5880, 10672]	11832	[505, 6508]
2614	[4496, 4497]	5687	[8107, 8108]	8760	[10382, 7320]	11833	[10510, 5680]
2615	[4498, 4499]	5688	[4454, 7637]	8761	[5499, 10673]	11834	[6902, 12202]
2616	[1358, 4500]	5689	[8109, 1460]	8762	[2225, 617]	11835	[6528, 11146]
2617	[4501, 3795]	5690	[8110, 8111]	8763	[2623, 2520]	11836	[12203, 2854]
2618	[4502, 3683]	5691	[8112, 4930]	8764	[10674, 919]	11837	[12047, 496]
2619	[1342, 4503]	5692	[8113, 5128]	8765	[1806, 7065]	11838	[12204, 6262]
2620	[4504, 3459]	5693	[8114, 425]	8766	[6232, 641]	11839	[9823, 10324]
2621	[4505, 4506]	5694	[8115, 8116]	8767	[10675, 10676]	11840	[10422, 879]
2622	[4507, 4508]	5695	[1046, 1162]	8768	[10495, 2424]	11841	[12192, 662]
2623	[4509, 4355]	5696	[4070, 8019]	8769	[10677, 7573]	11842	[12205, 2269]
2624	[4510, 4511]	5697	[8117, 8118]	8770	[10678, 10679]	11843	[12205, 164]
2625	[4512, 4513]	5698	[8119, 4698]	8771	[10680, 10681]	11844	[12206, 1884]
2626	[4514, 4515]	5699	[8120, 8121]	8772	[946, 10682]	11845	[6918, 2541]
2627	[4516, 4517]	5700	[5198, 8122]	8773	[10683, 3067]	11846	[192, 2004]
2628	[4350, 4463]	5701	[7776, 8123]	8774	[10684, 10685]	11847	[3083, 12207]
2629	[4518, 3544]	5702	[8124, 3737]	8775	[2190, 10193]	11848	[12044, 5861]
2630	[4519, 3305]	5703	[3696, 1339]	8776	[10686, 6024]	11849	[5639, 2212]
2631	[3635, 4520]	5704	[8125, 482]	8777	[10687, 6319]	11850	[6246, 7130]
2632	[4266, 4521]	5705	[4483, 8126]	8778	[1983, 2101]	11851	[11124, 6359]
2633	[4522, 4523]	5706	[8127, 8128]	8779	[6023, 10688]	11852	[6554, 2907]
2634	[4524, 4525]	5707	[3914, 407]	8780	[10198, 7138]	11853	[12098, 5874]
2635	[4526, 4527]	5708	[8129, 4064]	8781	[753, 5731]	11854	[10531, 6609]
2636	[4528, 4529]	5709	[8130, 8131]	8782	[5278, 10689]	11855	[2346, 5805]
2637	[4530, 4531]	5710	[8132, 8133]	8783	[10690, 10691]	11856	[12208, 12209]
2638	[4532, 4533]	5711	[8134, 3667]	8784	[2171, 5980]	11857	[9762, 10759]
2639	[4534, 4535]	5712	[1191, 8135]	8785	[10070, 6374]	11858	[7582, 137]
2640	[4536, 4537]	5713	[8136, 4066]	8786	[9825, 1801]	11859	[12143, 12210]
2641	[4538, 261]	5714	[1338, 8137]	8787	[2543, 5318]	11860	[9773, 11011]
2642	[4539, 1053]	5715	[8138, 5142]	8788	[10692, 10160]	11861	[6460, 12101]
2643	[118, 1370]	5716	[8139, 1784]	8789	[7214, 2538]	11862	[11276, 918]
2644	[4540, 4541]	5717	[4165, 4584]	8790	[10693, 7168]	11863	[7258, 3048]
2645	[4542, 4543]	5718	[8140, 8141]	8791	[10039, 10436]	11864	[12080, 6408]
2646	[964, 4544]	5719	[1471, 8142]	8792	[10694, 10026]	11865	[6795, 12211]
2647	[4545, 4546]	5720	[4465, 8143]	8793	[10653, 10695]	11866	[10395, 12212]
2648	[4547, 4548]	5721	[8144, 1662]	8794	[5774, 7151]	11867	[2008, 12213]
2649	[4549, 4550]	5722	[8074, 4650]	8795	[10696, 10697]	11868	[725, 577]
2650	[4551, 4552]	5723	[1122, 3646]	8796	[2738, 7230]	11869	[7099, 6312]
2651	[4553, 4554]	5724	[8145, 3284]	8797	[5866, 6331]	11870	[6749, 9852]
2652	[4555, 4556]	5725	[3889, 8146]	8798	[10698, 10699]	11871	[5400, 12214]
2653	[299, 4557]	5726	[8147, 8148]	8799	[10700, 10344]	11872	[2980, 6197]
2654	[4558, 4079]	5727	[8149, 8150]	8800	[10701, 10702]	11873	[9874, 6691]

2655	[4559, 4560]	5728	[3431, 4472]	8801	[7324, 6486]	11874	[12215, 10998]
2656	[4561, 4562]	5729	[1091, 8151]	8802	[5722, 5363]	11875	[12024, 12216]
2657	[4563, 4564]	5730	[8152, 7911]	8803	[10703, 9821]	11876	[9910, 12217]
2658	[3276, 1357]	5731	[4010, 8153]	8804	[2913, 10386]	11877	[11239, 7221]
2659	[3235, 4565]	5732	[4921, 8154]	8805	[7114, 5225]	11878	[2940, 12218]
2660	[4566, 4567]	5733	[4241, 3773]	8806	[2236, 10704]	11879	[10293, 12219]
2661	[4568, 253]	5734	[1753, 1075]	8807	[7138, 10705]	11880	[5795, 3006]
2662	[4569, 4570]	5735	[8155, 8156]	8808	[9844, 7037]	11881	[10349, 10108]
2663	[4571, 4572]	5736	[3358, 1567]	8809	[10683, 6741]	11882	[2749, 12220]
2664	[3350, 3861]	5737	[4257, 1283]	8810	[10706, 10033]	11883	[7527, 10445]
2665	[4573, 4574]	5738	[8157, 1570]	8811	[7122, 2586]	11884	[6538, 234]
2666	[4171, 4575]	5739	[1572, 8158]	8812	[10605, 698]	11885	[10381, 3120]
2667	[4576, 4577]	5740	[8159, 3684]	8813	[10707, 10708]	11886	[11208, 12116]
2668	[4578, 4579]	5741	[3218, 8160]	8814	[6409, 132]	11887	[12171, 2332]
2669	[4580, 4581]	5742	[8161, 4951]	8815	[5533, 2271]	11888	[9813, 6276]
2670	[4582, 4583]	5743	[8162, 8026]	8816	[10709, 6339]	11889	[7057, 6030]
2671	[4584, 1721]	5744	[3862, 4700]	8817	[2981, 10710]	11890	[10638, 2165]
2672	[4585, 423]	5745	[4397, 8163]	8818	[2201, 10711]	11891	[10351, 1893]
2673	[4586, 4587]	5746	[989, 8164]	8819	[7179, 5830]	11892	[9842, 3010]
2674	[4419, 4588]	5747	[8165, 8166]	8820	[10184, 5908]	11893	[9811, 12221]
2675	[4589, 3957]	5748	[8167, 8168]	8821	[10712, 5384]	11894	[12208, 5658]
2676	[3696, 3856]	5749	[8169, 3922]	8822	[10713, 10714]	11895	[5792, 5581]
2677	[4590, 1298]	5750	[5145, 279]	8823	[7396, 7233]	11896	[6581, 2295]
2678	[4591, 4592]	5751	[8170, 3696]	8824	[6429, 10715]	11897	[11221, 5595]
2679	[1220, 4593]	5752	[8171, 4156]	8825	[1942, 3019]	11898	[11102, 10490]
2680	[4594, 4337]	5753	[8172, 8173]	8826	[5577, 10716]	11899	[7405, 7199]
2681	[4595, 4596]	5754	[8174, 8175]	8827	[240, 3125]	11900	[10113, 10442]
2682	[4396, 1567]	5755	[8176, 8177]	8828	[10717, 10718]	11901	[2710, 12222]
2683	[4597, 4598]	5756	[8178, 1186]	8829	[6518, 10719]	11902	[10652, 3087]
2684	[4599, 4600]	5757	[8179, 297]	8830	[10720, 10721]	11903	[6011, 6966]
2685	[4601, 4602]	5758	[8180, 447]	8831	[2171, 613]	11904	[7391, 6038]
2686	[4603, 4604]	5759	[8181, 4665]	8832	[7487, 10722]	11905	[7381, 7096]
2687	[3803, 985]	5760	[8182, 3950]	8833	[10723, 10669]	11906	[10251, 2574]
2688	[381, 4605]	5761	[8183, 8184]	8834	[2875, 1951]	11907	[11060, 1844]
2689	[4606, 1156]	5762	[8185, 8186]	8835	[6799, 9862]	11908	[2588, 12223]
2690	[4607, 4227]	5763	[7927, 7776]	8836	[10724, 2012]	11909	[6306, 7069]
2691	[4608, 1742]	5764	[4998, 1253]	8837	[5748, 7074]	11910	[11990, 10681]
2692	[4609, 4610]	5765	[8187, 8188]	8838	[10725, 5952]	11911	[10594, 12224]
2693	[4611, 4612]	5766	[4186, 8189]	8839	[6328, 10726]	11912	[1897, 6009]
2694	[4613, 1469]	5767	[8190, 7948]	8840	[9908, 10727]	11913	[10049, 12225]
2695	[4614, 4615]	5768	[8191, 5080]	8841	[5968, 10146]	11914	[12226, 6652]
2696	[4616, 4617]	5769	[8192, 1197]	8842	[1959, 6260]	11915	[12188, 2680]
2697	[3489, 4618]	5770	[7741, 5]	8843	[3077, 178]	11916	[12161, 10432]
2698	[329, 4619]	5771	[4454, 8193]	8844	[10728, 522]	11917	[7282, 5656]

2699	[4620, 4621]	5772	[8194, 8195]	8845	[6533, 10729]	11918	[228, 10356]
2700	[4622, 347]	5773	[8196, 8197]	8846	[10730, 10731]	11919	[10259, 9805]
2701	[4623, 4624]	5774	[8198, 8199]	8847	[10732, 7161]	11920	[12087, 12227]
2702	[4625, 4626]	5775	[8200, 8201]	8848	[686, 10583]	11921	[7021, 2657]
2703	[4422, 4627]	5776	[1410, 7613]	8849	[2196, 10733]	11922	[10554, 7145]
2704	[4628, 4629]	5777	[977, 8202]	8850	[10734, 10735]	11923	[6761, 6033]
2705	[4630, 4631]	5778	[8203, 3251]	8851	[10736, 10509]	11924	[10290, 2788]
2706	[4632, 4633]	5779	[8204, 8205]	8852	[883, 10737]	11925	[7545, 901]
2707	[280, 4634]	5780	[8206, 3712]	8853	[185, 7010]	11926	[11210, 2087]
2708	[4635, 4636]	5781	[8207, 3278]	8854	[10738, 2282]	11927	[10778, 1883]
2709	[4637, 4638]	5782	[8208, 3249]	8855	[10739, 9810]	11928	[2891, 10821]
2710	[4639, 4640]	5783	[8209, 8210]	8856	[10740, 6484]	11929	[5760, 7452]
2711	[4641, 3894]	5784	[8211, 4476]	8857	[10741, 10486]	11930	[5504, 2384]
2712	[4642, 4643]	5785	[3751, 8212]	8858	[532, 2652]	11931	[12159, 2692]
2713	[3699, 488]	5786	[8213, 8214]	8859	[6443, 10742]	11932	[11224, 600]
2714	[74, 3475]	5787	[8215, 3437]	8860	[6285, 10743]	11933	[5509, 6320]
2715	[4644, 4283]	5788	[4155, 3210]	8861	[2727, 2223]	11934	[10701, 6081]
2716	[4645, 1730]	5789	[8216, 1691]	8862	[6823, 10744]	11935	[12038, 6014]
2717	[4646, 3590]	5790	[4609, 8217]	8863	[10569, 10745]	11936	[11000, 6580]
2718	[4647, 4574]	5791	[8218, 1502]	8864	[10746, 6192]	11937	[10918, 2736]
2719	[1482, 3335]	5792	[8219, 8220]	8865	[6073, 745]	11938	[10120, 2524]
2720	[4648, 4649]	5793	[8221, 3329]	8866	[10076, 5493]	11939	[7298, 7439]
2721	[4650, 1147]	5794	[1348, 8222]	8867	[10747, 3051]	11940	[12226, 778]
2722	[1273, 4129]	5795	[3227, 4166]	8868	[10748, 7524]	11941	[11035, 2398]
2723	[4651, 4652]	5796	[5085, 4168]	8869	[10749, 10026]	11942	[9756, 11019]
2724	[4305, 3496]	5797	[8223, 8024]	8870	[907, 5296]	11943	[5788, 5940]
2725	[93, 4653]	5798	[8224, 4641]	8871	[10750, 10751]	11944	[11161, 12228]
2726	[4654, 4655]	5799	[4277, 8225]	8872	[10752, 10753]	11945	[10910, 3141]
2727	[4656, 4657]	5800	[8226, 3648]	8873	[7275, 10754]	11946	[7297, 2307]
2728	[4205, 1580]	5801	[8227, 8228]	8874	[5286, 753]	11947	[715, 661]
2729	[4658, 4659]	5802	[3975, 3340]	8875	[10755, 7063]	11948	[10544, 905]
2730	[4660, 4661]	5803	[1510, 8229]	8876	[10756, 2506]	11949	[6605, 6259]
2731	[4662, 3169]	5804	[8230, 3699]	8877	[5541, 10757]	11950	[11154, 12229]
2732	[4663, 4664]	5805	[8231, 8095]	8878	[1840, 10149]	11951	[10426, 10768]
2733	[4665, 4666]	5806	[8232, 1485]	8879	[5380, 10758]	11952	[10332, 6491]
2734	[3919, 4427]	5807	[8233, 8234]	8880	[2102, 2676]	11953	[11279, 3134]
2735	[4451, 4667]	5808	[8235, 8236]	8881	[6360, 10759]	11954	[12127, 749]
2736	[4668, 4301]	5809	[8237, 475]	8882	[10760, 10298]	11955	[12109, 6772]
2737	[4669, 4670]	5810	[8189, 8238]	8883	[10761, 6551]	11956	[12191, 5282]
2738	[4671, 4100]	5811	[8239, 8240]	8884	[10127, 5323]	11957	[10178, 10371]
2739	[4672, 1119]	5812	[4770, 8241]	8885	[10603, 10762]	11958	[11065, 7455]
2740	[4673, 4674]	5813	[8242, 7903]	8886	[2261, 697]	11959	[6130, 5858]
2741	[4675, 3718]	5814	[8243, 8244]	8887	[10763, 10231]	11960	[10693, 12230]
2742	[4676, 1324]	5815	[30, 8245]	8888	[10764, 6116]	11961	[692, 10699]

2743	[4677, 4345]	5816	[7601, 8246]	8889	[10765, 746]	11962	[2806, 6238]
2744	[4678, 4679]	5817	[3322, 1585]	8890	[10352, 10766]	11963	[583, 10902]
2745	[3610, 3543]	5818	[8247, 8248]	8891	[2829, 6354]	11964	[9819, 2961]
2746	[4680, 1640]	5819	[8249, 8250]	8892	[10767, 10768]	11965	[12206, 881]
2747	[4681, 4682]	5820	[4421, 8251]	8893	[2946, 689]	11966	[12174, 10930]
2748	[4683, 4684]	5821	[8252, 5062]	8894	[6164, 10769]	11967	[2723, 2895]
2749	[4685, 1748]	5822	[3592, 4176]	8895	[10770, 669]	11968	[7134, 9954]
2750	[4577, 1629]	5823	[8253, 8254]	8896	[6398, 10771]	11969	[10816, 11228]
2751	[4686, 4687]	5824	[8255, 8256]	8897	[7248, 6640]	11970	[11999, 2900]
2752	[4688, 1347]	5825	[8257, 8258]	8898	[7121, 633]	11971	[9806, 9999]
2753	[4689, 4690]	5826	[8259, 8260]	8899	[6797, 6178]	11972	[7346, 5451]
2754	[4691, 3833]	5827	[8261, 8262]	8900	[1876, 10772]	11973	[10044, 6284]
2755	[4692, 4693]	5828	[5150, 8263]	8901	[10773, 10774]	11974	[6184, 2322]
2756	[4694, 4695]	5829	[4375, 3187]	8902	[5804, 2712]	11975	[220, 5350]
2757	[4696, 4697]	5830	[4263, 7938]	8903	[2522, 2025]	11976	[7132, 10514]
2758	[4226, 4698]	5831	[1730, 8264]	8904	[10775, 5772]	11977	[6287, 2555]
2759	[4699, 4700]	5832	[8265, 8266]	8905	[5607, 10776]	11978	[2634, 5414]
2760	[4701, 1032]	5833	[8267, 8268]	8906	[6564, 10777]	11979	[11089, 12231]
2761	[3723, 4702]	5834	[4508, 8269]	8907	[10363, 787]	11980	[10496, 2911]
2762	[4703, 3596]	5835	[8270, 8271]	8908	[2776, 5502]	11981	[6682, 7359]
2763	[4704, 490]	5836	[8272, 8273]	8909	[10778, 10779]	11982	[10136, 2587]
2764	[4705, 1430]	5837	[3784, 8274]	8910	[5840, 10780]	11983	[10459, 11081]
2765	[4706, 4707]	5838	[8275, 8276]	8911	[9954, 1992]	11984	[11037, 7187]
2766	[4156, 3211]	5839	[8277, 7758]	8912	[1894, 5416]	11985	[11182, 7586]
2767	[4087, 3578]	5840	[1618, 8278]	8913	[782, 10781]	11986	[6111, 12232]
2768	[4708, 4709]	5841	[8279, 8103]	8914	[7525, 10666]	11987	[4131, 7832]
2769	[4710, 4711]	5842	[265, 8280]	8915	[10782, 6282]	11988	[8356, 8081]
2770	[4712, 1267]	5843	[8281, 3852]	8916	[10783, 735]	11989	[1709, 5060]
2771	[4713, 4714]	5844	[8282, 8283]	8917	[2535, 10784]	11990	[8206, 12233]
2772	[1607, 4715]	5845	[8284, 3558]	8918	[7465, 10785]	11991	[4597, 4656]
2773	[4716, 4717]	5846	[8285, 4100]	8919	[10786, 2479]	11992	[1436, 12234]
2774	[4718, 4719]	5847	[7594, 4056]	8920	[6370, 10787]	11993	[5122, 4678]
2775	[4720, 3612]	5848	[7969, 8286]	8921	[10788, 9876]	11994	[8947, 7914]
2776	[4721, 4722]	5849	[1660, 3851]	8922	[10789, 10790]	11995	[8043, 12235]
2777	[4723, 4724]	5850	[8287, 8288]	8923	[2818, 2719]	11996	[1519, 3767]
2778	[4725, 452]	5851	[3483, 4960]	8924	[535, 3040]	11997	[11412, 9633]
2779	[4259, 1772]	5852	[8289, 8290]	8925	[10791, 5246]	11998	[11926, 4912]
2780	[4726, 3644]	5853	[8291, 3844]	8926	[9959, 5691]	11999	[9585, 12236]
2781	[4727, 4728]	5854	[8292, 8255]	8927	[6583, 10792]	12000	[9670, 12237]
2782	[4729, 4730]	5855	[3417, 4485]	8928	[9959, 3061]	12001	[3446, 125]
2783	[1761, 4731]	5856	[7954, 8293]	8929	[2804, 10793]	12002	[9282, 4129]
2784	[4732, 4733]	5857	[8294, 3487]	8930	[6755, 10439]	12003	[1643, 12238]
2785	[4734, 4735]	5858	[8295, 8296]	8931	[1827, 6571]	12004	[3977, 7639]
2786	[4736, 4737]	5859	[8297, 4955]	8932	[10794, 6876]	12005	[4923, 8209]

2787	[4738, 3357]	5860	[8298, 8299]	8933	[10795, 10796]	12006	[11781, 7819]
2788	[4739, 4072]	5861	[8300, 8060]	8934	[2414, 3100]	12007	[4035, 9452]
2789	[469, 4740]	5862	[8301, 3248]	8935	[10797, 10798]	12008	[8918, 12239]
2790	[4741, 4742]	5863	[5060, 7780]	8936	[10799, 9855]	12009	[3914, 1010]
2791	[4743, 4189]	5864	[1441, 8302]	8937	[10800, 2068]	12010	[11291, 9508]
2792	[3727, 4744]	5865	[8303, 5122]	8938	[10278, 10801]	12011	[328, 1746]
2793	[4745, 1114]	5866	[346, 1369]	8939	[10802, 678]	12012	[3475, 8796]
2794	[4746, 4504]	5867	[1693, 123]	8940	[570, 10803]	12013	[8624, 9123]
2795	[4747, 4748]	5868	[8304, 3519]	8941	[2551, 10804]	12014	[1714, 9078]
2796	[1189, 4749]	5869	[8305, 3689]	8942	[7001, 10805]	12015	[9581, 12240]
2797	[3261, 27]	5870	[8306, 7766]	8943	[5604, 707]	12016	[4713, 8473]
2798	[4750, 4751]	5871	[384, 8307]	8944	[5636, 742]	12017	[9249, 12241]
2799	[4752, 4753]	5872	[481, 4116]	8945	[10344, 10806]	12018	[4148, 991]
2800	[4754, 3771]	5873	[4588, 3711]	8946	[10140, 10807]	12019	[11893, 7918]
2801	[4755, 4756]	5874	[8308, 4336]	8947	[10808, 5361]	12020	[3619, 4321]
2802	[4757, 4758]	5875	[4434, 8309]	8948	[10809, 5293]	12021	[8420, 11640]
2803	[4759, 482]	5876	[8310, 1508]	8949	[10388, 10810]	12022	[11640, 9530]
2804	[4760, 4761]	5877	[8014, 3208]	8950	[213, 2074]	12023	[8890, 3247]
2805	[4762, 4763]	5878	[8311, 4379]	8951	[654, 6050]	12024	[4244, 11358]
2806	[28, 4764]	5879	[1489, 8312]	8952	[10811, 10812]	12025	[11729, 9163]
2807	[4765, 4766]	5880	[8313, 1245]	8953	[10137, 2588]	12026	[8682, 8298]
2808	[3950, 4767]	5881	[8314, 1682]	8954	[10813, 2911]	12027	[1604, 1352]
2809	[4768, 4769]	5882	[7690, 8315]	8955	[10078, 9894]	12028	[4588, 8206]
2810	[3749, 4770]	5883	[8316, 304]	8956	[6825, 815]	12029	[4831, 1564]
2811	[1734, 4771]	5884	[8317, 8318]	8957	[10618, 5383]	12030	[8457, 3370]
2812	[4772, 444]	5885	[8057, 1382]	8958	[10814, 2197]	12031	[1095, 12242]
2813	[275, 4302]	5886	[1211, 3372]	8959	[6829, 6929]	12032	[11432, 4049]
2814	[4773, 4774]	5887	[470, 7657]	8960	[10291, 3038]	12033	[9088, 4864]
2815	[3807, 1124]	5888	[8319, 8320]	8961	[5667, 9785]	12034	[8218, 9243]
2816	[4775, 4776]	5889	[8321, 3926]	8962	[2605, 5706]	12035	[11593, 4769]
2817	[4777, 4778]	5890	[8322, 8323]	8963	[10815, 5474]	12036	[8141, 4756]
2818	[4779, 4648]	5891	[8324, 1517]	8964	[10816, 10817]	12037	[3748, 1752]
2819	[4780, 4781]	5892	[4175, 8325]	8965	[7378, 7236]	12038	[8837, 12243]
2820	[4782, 4783]	5893	[3653, 8326]	8966	[10677, 10818]	12039	[8601, 7764]
2821	[4784, 4785]	5894	[1425, 415]	8967	[10819, 886]	12040	[11834, 7931]
2822	[4786, 4787]	5895	[8327, 1373]	8968	[10820, 10821]	12041	[7592, 12244]
2823	[4521, 4788]	5896	[8328, 8329]	8969	[132, 10822]	12042	[9226, 7992]
2824	[4523, 3797]	5897	[3791, 8330]	8970	[6255, 2198]	12043	[11302, 1177]
2825	[3764, 4789]	5898	[8331, 3342]	8971	[5621, 2827]	12044	[11738, 8301]
2826	[4790, 4386]	5899	[5104, 4942]	8972	[2911, 2966]	12045	[11411, 12245]
2827	[4791, 4792]	5900	[8332, 960]	8973	[10553, 10823]	12046	[9356, 1767]
2828	[4793, 74]	5901	[8333, 8334]	8974	[10824, 5414]	12047	[11865, 12246]
2829	[3889, 4136]	5902	[8335, 8336]	8975	[10825, 10068]	12048	[1367, 1739]
2830	[1581, 1509]	5903	[1224, 8145]	8976	[10826, 5550]	12049	[4569, 9253]

2831	[1449, 4193]	5904	[8337, 4520]	8977	[2348, 926]	12050	[9617, 12247]
2832	[4794, 4795]	5905	[8338, 8339]	8978	[10180, 6732]	12051	[12248, 4025]
2833	[4796, 4797]	5906	[7766, 427]	8979	[10827, 10654]	12052	[8956, 1622]
2834	[4798, 4799]	5907	[1370, 8340]	8980	[6010, 10160]	12053	[1580, 9242]
2835	[4012, 4656]	5908	[8341, 8342]	8981	[10269, 10663]	12054	[7989, 5090]
2836	[4072, 4800]	5909	[8343, 8344]	8982	[10134, 209]	12055	[3582, 12249]
2837	[4801, 4802]	5910	[8345, 8306]	8983	[10828, 10829]	12056	[1084, 12250]
2838	[4512, 4803]	5911	[8346, 3797]	8984	[5812, 5690]	12057	[9583, 3837]
2839	[4804, 1087]	5912	[8347, 3944]	8985	[10830, 10490]	12058	[963, 3907]
2840	[4805, 4806]	5913	[8348, 3620]	8986	[10831, 10832]	12059	[282, 1553]
2841	[4807, 3264]	5914	[8349, 8296]	8987	[5349, 6517]	12060	[4129, 4481]
2842	[4808, 4055]	5915	[8350, 8351]	8988	[10833, 9841]	12061	[11724, 7712]
2843	[488, 4809]	5916	[8352, 8353]	8989	[695, 10834]	12062	[4041, 5073]
2844	[4810, 4211]	5917	[8354, 8355]	8990	[7390, 7144]	12063	[8023, 12251]
2845	[4811, 3303]	5918	[8356, 3503]	8991	[2728, 10835]	12064	[8950, 12252]
2846	[4812, 4813]	5919	[8357, 5049]	8992	[10836, 2541]	12065	[3602, 5127]
2847	[4814, 4815]	5920	[3597, 8358]	8993	[10837, 5699]	12066	[9386, 8977]
2848	[3614, 4816]	5921	[1737, 8359]	8994	[7193, 9904]	12067	[8440, 420]
2849	[4817, 1221]	5922	[960, 7870]	8995	[7054, 7242]	12068	[11628, 11386]
2850	[4818, 4819]	5923	[8360, 8283]	8996	[3142, 5950]	12069	[7895, 5013]
2851	[4820, 4307]	5924	[8361, 8362]	8997	[10463, 1872]	12070	[9434, 7993]
2852	[4821, 4309]	5925	[8363, 8364]	8998	[10635, 7536]	12071	[7777, 8544]
2853	[4822, 4823]	5926	[8365, 4344]	8999	[6747, 10838]	12072	[8343, 4802]
2854	[4824, 4825]	5927	[1572, 4179]	9000	[10839, 7492]	12073	[251, 9504]
2855	[4826, 4722]	5928	[8366, 318]	9001	[10840, 6745]	12074	[8138, 12253]
2856	[4827, 4828]	5929	[4448, 8367]	9002	[7375, 10841]	12075	[11760, 3883]
2857	[4829, 399]	5930	[4170, 8368]	9003	[10842, 10843]	12076	[7855, 8138]
2858	[4830, 4357]	5931	[8369, 8370]	9004	[6435, 10844]	12077	[12254, 1737]
2859	[3452, 1479]	5932	[8371, 4697]	9005	[9907, 10009]	12078	[4125, 3242]
2860	[3173, 989]	5933	[8372, 8373]	9006	[6552, 10845]	12079	[11771, 984]
2861	[4831, 4832]	5934	[8374, 4945]	9007	[10829, 10846]	12080	[1720, 12255]
2862	[4833, 4834]	5935	[3550, 3579]	9008	[5842, 10847]	12081	[97, 12256]
2863	[3171, 4528]	5936	[8375, 5126]	9009	[10848, 10289]	12082	[11347, 335]
2864	[4835, 4836]	5937	[8376, 412]	9010	[7189, 10849]	12083	[9327, 12257]
2865	[4837, 4838]	5938	[8377, 8378]	9011	[7433, 218]	12084	[11823, 8558]
2866	[4839, 4840]	5939	[1095, 101]	9012	[10850, 7331]	12085	[9599, 7939]
2867	[4841, 1442]	5940	[8379, 1365]	9013	[6768, 6026]	12086	[5154, 7902]
2868	[4842, 4327]	5941	[8380, 4437]	9014	[10851, 2429]	12087	[424, 12258]
2869	[4843, 4281]	5942	[8381, 8382]	9015	[6560, 10852]	12088	[4691, 3362]
2870	[4844, 4845]	5943	[8383, 4604]	9016	[7480, 9935]	12089	[8418, 3492]
2871	[4846, 4847]	5944	[8384, 5047]	9017	[2229, 10853]	12090	[8632, 12259]
2872	[4848, 4849]	5945	[8385, 8386]	9018	[6904, 5237]	12091	[3371, 12260]
2873	[4850, 4851]	5946	[3306, 1348]	9019	[9763, 6140]	12092	[4814, 4251]
2874	[4852, 3444]	5947	[1290, 4438]	9020	[669, 2780]	12093	[11702, 1315]

2875	[4629, 4853]	5948	[8387, 3382]	9021	[10854, 1953]	12094	[9050, 1093]
2876	[4854, 4855]	5949	[8388, 5094]	9022	[5686, 10855]	12095	[11662, 12261]
2877	[1601, 4856]	5950	[8389, 8390]	9023	[10856, 10857]	12096	[5205, 4207]
2878	[4857, 440]	5951	[8391, 8392]	9024	[2070, 10858]	12097	[1168, 367]
2879	[1609, 4858]	5952	[8393, 8394]	9025	[10859, 10235]	12098	[9657, 5050]
2880	[1611, 4859]	5953	[8395, 8396]	9026	[7032, 1845]	12099	[11938, 1384]
2881	[4860, 1601]	5954	[8397, 362]	9027	[10860, 2374]	12100	[1237, 4969]
2882	[4861, 4862]	5955	[8398, 361]	9028	[7303, 10861]	12101	[11332, 4748]
2883	[4863, 4864]	5956	[8399, 491]	9029	[10862, 2603]	12102	[11558, 397]
2884	[4865, 4866]	5957	[4214, 8400]	9030	[10863, 7031]	12103	[4369, 3596]
2885	[4867, 1085]	5958	[8401, 4247]	9031	[5477, 6234]	12104	[7699, 274]
2886	[4868, 4869]	5959	[1182, 363]	9032	[10864, 6567]	12105	[11841, 4034]
2887	[4870, 4871]	5960	[8402, 8403]	9033	[10278, 10413]	12106	[11965, 9318]
2888	[4872, 1606]	5961	[4274, 7796]	9034	[10799, 1792]	12107	[9007, 8400]
2889	[4873, 4874]	5962	[4529, 4302]	9035	[10865, 5542]	12108	[8791, 11857]
2890	[67, 1718]	5963	[8404, 1661]	9036	[10511, 10866]	12109	[1076, 12262]
2891	[4845, 4875]	5964	[8405, 8406]	9037	[10867, 6541]	12110	[987, 1638]
2892	[4876, 1778]	5965	[8407, 8408]	9038	[182, 10868]	12111	[1159, 12263]
2893	[4877, 4878]	5966	[1352, 3979]	9039	[6115, 10869]	12112	[9095, 4081]
2894	[4879, 1202]	5967	[8409, 4447]	9040	[3033, 10254]	12113	[4841, 4442]
2895	[4880, 4415]	5968	[1070, 8410]	9041	[10740, 10870]	12114	[4097, 8040]
2896	[4881, 4882]	5969	[3521, 359]	9042	[7299, 7440]	12115	[1658, 5221]
2897	[4883, 4884]	5970	[8411, 8412]	9043	[7065, 6927]	12116	[11914, 8214]
2898	[1321, 4181]	5971	[5178, 8413]	9044	[10871, 2763]	12117	[11986, 284]
2899	[4885, 1242]	5972	[3833, 8414]	9045	[10872, 10873]	12118	[9182, 325]
2900	[4886, 4887]	5973	[8415, 4929]	9046	[10874, 2315]	12119	[11714, 12264]
2901	[4888, 4889]	5974	[8416, 8417]	9047	[7240, 2611]	12120	[4156, 12265]
2902	[4890, 4891]	5975	[3233, 5126]	9048	[10875, 880]	12121	[4378, 12266]
2903	[4892, 4893]	5976	[8418, 8419]	9049	[3130, 883]	12122	[9251, 12267]
2904	[4485, 3312]	5977	[8420, 8421]	9050	[10876, 2859]	12123	[8913, 1335]
2905	[3627, 3874]	5978	[8422, 8423]	9051	[10877, 5286]	12124	[11610, 8972]
2906	[4894, 4895]	5979	[8424, 8425]	9052	[2421, 10786]	12125	[4158, 12268]
2907	[4896, 3488]	5980	[1636, 1308]	9053	[6586, 6532]	12126	[4807, 11488]
2908	[4897, 4898]	5981	[4753, 3456]	9054	[10878, 10879]	12127	[9080, 12269]
2909	[3202, 1237]	5982	[8426, 8427]	9055	[10880, 5463]	12128	[4161, 4373]
2910	[4899, 4900]	5983	[8428, 3378]	9056	[10881, 5985]	12129	[9358, 4396]
2911	[4901, 4902]	5984	[4850, 8429]	9057	[10882, 6477]	12130	[7734, 5028]
2912	[4903, 3163]	5985	[8430, 1722]	9058	[10883, 3119]	12131	[11960, 7985]
2913	[4904, 4905]	5986	[3354, 1458]	9059	[6729, 6505]	12132	[11291, 8752]
2914	[4906, 4907]	5987	[8431, 7630]	9060	[10884, 5507]	12133	[3251, 9180]
2915	[4908, 4909]	5988	[8432, 8433]	9061	[5281, 5317]	12134	[4149, 5211]
2916	[4910, 4202]	5989	[7884, 4921]	9062	[5556, 6846]	12135	[7997, 8019]
2917	[4911, 4912]	5990	[8434, 1484]	9063	[10885, 9954]	12136	[11472, 4784]
2918	[4913, 3868]	5991	[8435, 8436]	9064	[10048, 51]	12137	[11866, 12270]

2919	[1613, 428]	5992	[8437, 8438]	9065	[2097, 10886]	12138	[8672, 9526]
2920	[4914, 4915]	5993	[8439, 1099]	9066	[7179, 10887]	12139	[11784, 8180]
2921	[4916, 4917]	5994	[4742, 8014]	9067	[10888, 6492]	12140	[4409, 7703]
2922	[3550, 4918]	5995	[8440, 8441]	9068	[5809, 10889]	12141	[8417, 12271]
2923	[4919, 4920]	5996	[7899, 1101]	9069	[10890, 6589]	12142	[11563, 8444]
2924	[1275, 4921]	5997	[8131, 8442]	9070	[10891, 6868]	12143	[11944, 4174]
2925	[4922, 4780]	5998	[4128, 8063]	9071	[1956, 10892]	12144	[8069, 12272]
2926	[4923, 3697]	5999	[8443, 8444]	9072	[2326, 1984]	12145	[9428, 12273]
2927	[4924, 4925]	6000	[4697, 8445]	9073	[10893, 2469]	12146	[957, 1180]
2928	[4926, 3428]	6001	[3818, 1121]	9074	[2357, 1830]	12147	[3437, 1388]
2929	[3387, 1758]	6002	[8446, 8447]	9075	[10894, 5680]	12148	[11929, 8252]
2930	[4927, 3172]	6003	[8448, 8449]	9076	[10895, 10896]	12149	[9209, 9295]
2931	[4928, 4929]	6004	[8450, 8451]	9077	[10897, 10898]	12150	[11449, 4495]
2932	[4930, 4931]	6005	[1199, 8266]	9078	[5975, 6069]	12151	[7601, 956]
2933	[4932, 4933]	6006	[8452, 8453]	9079	[10899, 7561]	12152	[11757, 3659]
2934	[3520, 3832]	6007	[4640, 8454]	9080	[5764, 10900]	12153	[3557, 12274]
2935	[4934, 4935]	6008	[8291, 1033]	9081	[2000, 6917]	12154	[3789, 4454]
2936	[1424, 4936]	6009	[8455, 8456]	9082	[10901, 5265]	12155	[11819, 4888]
2937	[4937, 4938]	6010	[8457, 8458]	9083	[10022, 6336]	12156	[3739, 9448]
2938	[4939, 4847]	6011	[8459, 8460]	9084	[10058, 9760]	12157	[8239, 8953]
2939	[4940, 4941]	6012	[3870, 8461]	9085	[10902, 5723]	12158	[9289, 9545]
2940	[4626, 4942]	6013	[3209, 8028]	9086	[10903, 10904]	12159	[289, 12275]
2941	[3387, 4427]	6014	[8462, 8463]	9087	[10622, 10634]	12160	[1578, 393]
2942	[4461, 4943]	6015	[3416, 3870]	9088	[10905, 10906]	12161	[9163, 12276]
2943	[4944, 4819]	6016	[8464, 8135]	9089	[2066, 247]	12162	[9179, 3482]
2944	[4945, 4946]	6017	[7882, 8465]	9090	[10907, 10076]	12163	[8289, 7978]
2945	[4947, 4792]	6018	[8466, 7829]	9091	[5392, 3139]	12164	[11859, 1142]
2946	[4948, 4949]	6019	[8467, 8468]	9092	[2840, 10908]	12165	[439, 8551]
2947	[4950, 4951]	6020	[1061, 5091]	9093	[5606, 10493]	12166	[1005, 3273]
2948	[4952, 4953]	6021	[8174, 8469]	9094	[10664, 10909]	12167	[3465, 8029]
2949	[4954, 1777]	6022	[8470, 1175]	9095	[10910, 10911]	12168	[348, 358]
2950	[3708, 4194]	6023	[3229, 3214]	9096	[10912, 7366]	12169	[9179, 3368]
2951	[4955, 4956]	6024	[8471, 4621]	9097	[10646, 10913]	12170	[3462, 3582]
2952	[4957, 1165]	6025	[7680, 3212]	9098	[10914, 10915]	12171	[3921, 7886]
2953	[4958, 67]	6026	[8472, 8473]	9099	[10916, 10407]	12172	[11771, 3803]
2954	[121, 3794]	6027	[8474, 4006]	9100	[7549, 10917]	12173	[4885, 3433]
2955	[4959, 4960]	6028	[8475, 8476]	9101	[10918, 10919]	12174	[1257, 12277]
2956	[4961, 4962]	6029	[1499, 7754]	9102	[7370, 7379]	12175	[7744, 4080]
2957	[4963, 4964]	6030	[8477, 8478]	9103	[10495, 10920]	12176	[4842, 7736]
2958	[3213, 3773]	6031	[274, 4725]	9104	[6062, 10035]	12177	[8738, 3875]
2959	[3691, 4965]	6032	[8479, 8480]	9105	[6610, 10921]	12178	[8903, 12278]
2960	[1288, 4966]	6033	[7842, 1219]	9106	[6007, 10375]	12179	[5163, 5183]
2961	[4967, 3653]	6034	[8481, 8482]	9107	[10922, 2788]	12180	[3987, 3796]
2962	[3440, 4968]	6035	[8483, 8484]	9108	[10923, 10924]	12181	[11317, 9395]

2963	[4969, 1152]	6036	[8485, 3290]	9109	[5662, 140]	12182	[8828, 4733]
2964	[4970, 4971]	6037	[3664, 8486]	9110	[10598, 7071]	12183	[11601, 4933]
2965	[4972, 3702]	6038	[8487, 8247]	9111	[10925, 10926]	12184	[1311, 1004]
2966	[4973, 1414]	6039	[8488, 8489]	9112	[10558, 10927]	12185	[1003, 8531]
2967	[1507, 4974]	6040	[3774, 8490]	9113	[10928, 7459]	12186	[8885, 11651]
2968	[4975, 4976]	6041	[4977, 8491]	9114	[849, 6392]	12187	[12248, 9289]
2969	[4977, 4978]	6042	[8492, 3722]	9115	[10877, 752]	12188	[11901, 9401]
2970	[4979, 4980]	6043	[8493, 4917]	9116	[1893, 5538]	12189	[8073, 1598]
2971	[3230, 4920]	6044	[4135, 8494]	9117	[10929, 10930]	12190	[86, 3322]
2972	[4981, 4982]	6045	[8495, 1495]	9118	[6168, 7018]	12191	[4394, 1635]
2973	[1091, 4962]	6046	[8496, 3901]	9119	[10651, 7241]	12192	[11742, 1270]
2974	[4983, 460]	6047	[377, 8497]	9120	[10931, 567]	12193	[9751, 5177]
2975	[4984, 4985]	6048	[7604, 8498]	9121	[6418, 10846]	12194	[12279, 4200]
2976	[4986, 3628]	6049	[8499, 8212]	9122	[10932, 10933]	12195	[4565, 3871]
2977	[4987, 3450]	6050	[3680, 4766]	9123	[10934, 10935]	12196	[9719, 391]
2978	[3385, 4988]	6051	[8500, 8501]	9124	[10936, 623]	12197	[8110, 12280]
2979	[4989, 4990]	6052	[8363, 8502]	9125	[7338, 6222]	12198	[3752, 4543]
2980	[4991, 4992]	6053	[4587, 8503]	9126	[5900, 6895]	12199	[5219, 1020]
2981	[3718, 4993]	6054	[8504, 4550]	9127	[6053, 9769]	12200	[12254, 8915]
2982	[4994, 3186]	6055	[4281, 8505]	9128	[10937, 5490]	12201	[11559, 3900]
2983	[4995, 4097]	6056	[8506, 342]	9129	[3014, 10938]	12202	[9705, 4476]
2984	[1199, 4996]	6057	[4137, 8507]	9130	[10939, 6751]	12203	[7849, 4826]
2985	[4997, 4998]	6058	[5157, 8306]	9131	[10940, 9817]	12204	[292, 12281]
2986	[4999, 5000]	6059	[8335, 8508]	9132	[2851, 10236]	12205	[11517, 12282]
2987	[5001, 5002]	6060	[8183, 3788]	9133	[2923, 10941]	12206	[11838, 12283]
2988	[5003, 4999]	6061	[8509, 5160]	9134	[5692, 6067]	12207	[9362, 11520]
2989	[4121, 5004]	6062	[3661, 8510]	9135	[6991, 10942]	12208	[12279, 12284]
2990	[5005, 5006]	6063	[4971, 7834]	9136	[10943, 10944]	12209	[3399, 3565]
2991	[5007, 5008]	6064	[4067, 8511]	9137	[5776, 10945]	12210	[8537, 5083]
2992	[1131, 5009]	6065	[1514, 1285]	9138	[2500, 2409]	12211	[4286, 4390]
2993	[5010, 5011]	6066	[8512, 8513]	9139	[10946, 10947]	12212	[8968, 9507]
2994	[3514, 1472]	6067	[3460, 4113]	9140	[2218, 5724]	12213	[11979, 455]
2995	[5012, 5013]	6068	[8514, 7597]	9141	[10585, 6619]	12214	[11405, 8719]
2996	[5014, 4431]	6069	[8417, 3286]	9142	[5263, 2716]	12215	[11357, 4306]
2997	[5015, 5016]	6070	[8515, 8516]	9143	[10948, 7469]	12216	[3972, 107]
2998	[3805, 4018]	6071	[8517, 8518]	9144	[10713, 10949]	12217	[5021, 4907]
2999	[1327, 5017]	6072	[8519, 8520]	9145	[7495, 10950]	12218	[11911, 8899]
3000	[5018, 5019]	6073	[3423, 328]	9146	[1814, 579]	12219	[8745, 3624]
3001	[4188, 1012]	6074	[1003, 8521]	9147	[10951, 2813]	12220	[11453, 3547]
3002	[5020, 4444]	6075	[7905, 7739]	9148	[6885, 2927]	12221	[11756, 4984]
3003	[1556, 4787]	6076	[8522, 8523]	9149	[6851, 2160]	12222	[11427, 4094]
3004	[5021, 5022]	6077	[4536, 8524]	9150	[10928, 2672]	12223	[11814, 4274]
3005	[5023, 3418]	6078	[5217, 1717]	9151	[10952, 10953]	12224	[1124, 4091]
3006	[5024, 5025]	6079	[8525, 8526]	9152	[10954, 10955]	12225	[8623, 7673]

3007	[5026, 5027]	6080	[1324, 8527]	9153	[7040, 6447]	12226	[9549, 12285]
3008	[5028, 5029]	6081	[8528, 4522]	9154	[5353, 7361]	12227	[11413, 3499]
3009	[4949, 5030]	6082	[8529, 1690]	9155	[7280, 7162]	12228	[11772, 1611]
3010	[3817, 4066]	6083	[8530, 8531]	9156	[7127, 2775]	12229	[8922, 1410]
3011	[5031, 3359]	6084	[8532, 8533]	9157	[1827, 10956]	12230	[5093, 3656]
3012	[5032, 5033]	6085	[8146, 4137]	9158	[10592, 5347]	12231	[7853, 4358]
3013	[5034, 3774]	6086	[3433, 8534]	9159	[10957, 5385]	12232	[8935, 11525]
3014	[4420, 3711]	6087	[8535, 7728]	9160	[7046, 10958]	12233	[7490, 565]
3015	[5035, 3723]	6088	[8536, 8404]	9161	[6654, 10959]	12234	[10454, 9902]
3016	[5036, 1206]	6089	[5052, 8537]	9162	[10960, 10961]	12235	[7351, 10650]
3017	[4363, 5037]	6090	[1202, 8538]	9163	[500, 6604]	12236	[5945, 9829]
3018	[5038, 5039]	6091	[1679, 4357]	9164	[10962, 10550]	12237	[10069, 5265]
3019	[5040, 5016]	6092	[8539, 8540]	9165	[5837, 10963]	12238	[7409, 5377]
3020	[5041, 5042]	6093	[8259, 8199]	9166	[10964, 10965]	12239	[10982, 7089]
3021	[5043, 5044]	6094	[8541, 8542]	9167	[10267, 2688]	12240	[11167, 6789]
3022	[5045, 5046]	6095	[8543, 8083]	9168	[5525, 7422]	12241	[10678, 6863]
3023	[5047, 3754]	6096	[8544, 4294]	9169	[10966, 5607]	12242	[6860, 2985]
3024	[5048, 5049]	6097	[1043, 7993]	9170	[10169, 10967]	12243	[6169, 1863]
3025	[5050, 1744]	6098	[4109, 1097]	9171	[10968, 6537]	12244	[11230, 2115]
3026	[1773, 5051]	6099	[76, 8545]	9172	[10203, 10316]	12245	[11075, 5236]
3027	[5052, 5053]	6100	[4573, 3532]	9173	[6849, 10969]	12246	[10086, 1879]
3028	[3263, 5054]	6101	[3292, 4248]	9174	[6207, 2619]	12247	[7027, 2403]
3029	[4450, 5055]	6102	[4987, 8546]	9175	[6729, 3109]	12248	[1964, 12286]
3030	[1549, 5056]	6103	[8547, 7768]	9176	[10970, 5550]	12249	[7159, 5511]
3031	[5057, 4978]	6104	[8548, 8549]	9177	[5494, 844]	12250	[9836, 5916]
3032	[4944, 5058]	6105	[1486, 8550]	9178	[10940, 10971]	12251	[9764, 6227]
3033	[5059, 5060]	6106	[8551, 1512]	9179	[6227, 10972]	12252	[11258, 2921]
3034	[5061, 5062]	6107	[4158, 1130]	9180	[5989, 10241]	12253	[12153, 7152]
3035	[5063, 3921]	6108	[3294, 3415]	9181	[6205, 10973]	12254	[7304, 12287]
3036	[5064, 5065]	6109	[3284, 8552]	9182	[6941, 10974]	12255	[10990, 6103]
3037	[4034, 5066]	6110	[8553, 1329]	9183	[6664, 6427]	12256	[5464, 2979]
3038	[5067, 5068]	6111	[3331, 4740]	9184	[10975, 10976]	12257	[2701, 1921]
3039	[5069, 5070]	6112	[7798, 8554]	9185	[10977, 6576]	12258	[2765, 10224]
3040	[5071, 5072]	6113	[4654, 8555]	9186	[10814, 6255]	12259	[6381, 2833]
3041	[4520, 5073]	6114	[8556, 8088]	9187	[7560, 10978]	12260	[12145, 10935]
3042	[4182, 5074]	6115	[8557, 8558]	9188	[10979, 616]	12261	[10937, 6829]
3043	[4483, 5075]	6116	[8559, 5190]	9189	[9856, 7349]	12262	[10452, 2504]
3044	[3770, 5076]	6117	[3240, 8560]	9190	[10839, 2387]	12263	[12204, 2472]
3045	[5077, 4149]	6118	[8561, 8189]	9191	[5637, 10980]	12264	[7502, 6776]
3046	[3991, 5078]	6119	[8492, 8562]	9192	[10981, 1948]	12265	[12003, 7177]
3047	[5079, 5080]	6120	[5152, 8563]	9193	[10982, 9863]	12266	[2129, 5591]
3048	[5081, 5082]	6121	[8564, 7901]	9194	[939, 2041]	12267	[10534, 6358]
3049	[5053, 5083]	6122	[3181, 8223]	9195	[5329, 6651]	12268	[12122, 6152]
3050	[5084, 5085]	6123	[424, 8565]	9196	[5910, 58]	12269	[536, 1858]

3051	[4914, 5086]	6124	[8566, 4602]	9197	[2113, 10983]	12270	[9981, 9781]
3052	[1665, 5087]	6125	[1660, 8281]	9198	[10553, 5430]	12271	[10239, 9980]
3053	[5088, 1574]	6126	[8567, 4882]	9199	[7048, 10984]	12272	[5304, 6274]
3054	[3159, 5089]	6127	[8568, 8569]	9200	[6074, 5983]	12273	[10584, 1933]
3055	[5090, 5091]	6128	[8570, 4959]	9201	[2847, 10985]	12274	[11157, 712]
3056	[1142, 5092]	6129	[8571, 8417]	9202	[5763, 5386]	12275	[196, 810]
3057	[5074, 5093]	6130	[8572, 8573]	9203	[7072, 10986]	12276	[2133, 6854]
3058	[1115, 5094]	6131	[4352, 3441]	9204	[10761, 5330]	12277	[6758, 5597]
3059	[1486, 5095]	6132	[8574, 8575]	9205	[7315, 10661]	12278	[11281, 2078]
3060	[5096, 5097]	6133	[4581, 4227]	9206	[10987, 6743]	12279	[7069, 12288]
3061	[3195, 5098]	6134	[4092, 8454]	9207	[10391, 2167]	12280	[6790, 1990]
3062	[4248, 5099]	6135	[4523, 8576]	9208	[9873, 6240]	12281	[6160, 9971]
3063	[5100, 1174]	6136	[8577, 3986]	9209	[10161, 10988]	12282	[11255, 2787]
3064	[5101, 5102]	6137	[8578, 323]	9210	[6675, 10989]	12283	[7238, 5930]
3065	[5103, 5079]	6138	[8579, 1044]	9211	[5611, 2374]	12284	[11032, 2868]
3066	[5104, 5105]	6139	[3774, 8580]	9212	[10990, 10991]	12285	[12197, 6785]
3067	[5106, 3362]	6140	[8022, 1395]	9213	[2514, 10992]	12286	[9321, 1261]
3068	[5107, 4462]	6141	[8581, 8582]	9214	[10504, 6109]	12287	[11908, 4548]
3069	[5108, 1220]	6142	[4146, 4230]	9215	[2808, 6553]	12288	[11763, 309]
3070	[5109, 1220]	6143	[4052, 4412]	9216	[10993, 10994]		
3071	[4531, 5110]	6144	[8583, 8584]	9217	[10105, 547]		
3072	[258, 5111]	6145	[8585, 8586]	9218	[10995, 6470]		

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	2049	0	4098	1	6147	0	8196	1	10245	1
1	0	2050	0	4099	0	6148	1	8197	0	10246	0
2	0	2051	0	4100	0	6149	1	8198	0	10247	1
3	0	2052	0	4101	0	6150	1	8199	1	10248	1
4	0	2053	0	4102	1	6151	1	8200	1	10249	0
5	0	2054	0	4103	1	6152	0	8201	0	10250	0
6	0	2055	0	4104	1	6153	0	8202	0	10251	0
7	0	2056	0	4105	0	6154	1	8203	1	10252	1
8	0	2057	0	4106	1	6155	1	8204	1	10253	1
9	0	2058	1	4107	1	6156	1	8205	0	10254	0
10	0	2059	0	4108	1	6157	0	8206	0	10255	0
11	0	2060	1	4109	1	6158	1	8207	1	10256	1
12	1	2061	1	4110	0	6159	0	8208	0	10257	0
13	0	2062	0	4111	0	6160	1	8209	1	10258	0
14	1	2063	1	4112	0	6161	1	8210	0	10259	1
15	0	2064	0	4113	1	6162	1	8211	0	10260	0
16	0	2065	1	4114	0	6163	1	8212	0	10261	1
17	0	2066	1	4115	0	6164	1	8213	0	10262	0
18	0	2067	1	4116	1	6165	1	8214	0	10263	1

19	0	2068	0	4117	0	6166	0	8215	1	10264	1
20	1	2069	1	4118	0	6167	1	8216	1	10265	1
21	0	2070	1	4119	1	6168	1	8217	1	10266	0
22	0	2071	1	4120	1	6169	0	8218	1	10267	0
23	0	2072	1	4121	1	6170	1	8219	1	10268	0
24	1	2073	0	4122	1	6171	1	8220	0	10269	1
25	1	2074	0	4123	1	6172	0	8221	0	10270	0
26	1	2075	0	4124	0	6173	0	8222	0	10271	1
27	0	2076	0	4125	0	6174	1	8223	1	10272	0
28	0	2077	0	4126	1	6175	0	8224	0	10273	1
29	1	2078	1	4127	0	6176	1	8225	1	10274	1
30	1	2079	1	4128	1	6177	1	8226	0	10275	0
31	0	2080	0	4129	0	6178	0	8227	1	10276	1
32	1	2081	1	4130	1	6179	0	8228	1	10277	0
33	0	2082	1	4131	1	6180	0	8229	1	10278	1
34	0	2083	1	4132	1	6181	1	8230	0	10279	1
35	0	2084	0	4133	1	6182	0	8231	1	10280	0
36	1	2085	1	4134	1	6183	1	8232	0	10281	0
37	0	2086	0	4135	0	6184	0	8233	0	10282	1
38	1	2087	0	4136	1	6185	0	8234	1	10283	0
39	0	2088	0	4137	0	6186	0	8235	0	10284	0
40	1	2089	0	4138	0	6187	1	8236	0	10285	0
41	1	2090	1	4139	0	6188	0	8237	1	10286	1
42	0	2091	1	4140	0	6189	0	8238	1	10287	0
43	0	2092	0	4141	0	6190	1	8239	1	10288	0
44	1	2093	0	4142	1	6191	1	8240	0	10289	1
45	0	2094	0	4143	1	6192	0	8241	1	10290	1
46	0	2095	0	4144	1	6193	1	8242	1	10291	1
47	0	2096	0	4145	0	6194	1	8243	1	10292	0
48	0	2097	0	4146	1	6195	0	8244	0	10293	1
49	1	2098	1	4147	1	6196	0	8245	0	10294	1
50	1	2099	1	4148	0	6197	1	8246	1	10295	1
51	1	2100	1	4149	0	6198	1	8247	0	10296	0
52	0	2101	0	4150	1	6199	0	8248	1	10297	0
53	1	2102	0	4151	0	6200	1	8249	0	10298	0
54	0	2103	1	4152	1	6201	1	8250	0	10299	1
55	0	2104	0	4153	1	6202	0	8251	0	10300	1
56	1	2105	0	4154	0	6203	0	8252	0	10301	1
57	0	2106	0	4155	0	6204	1	8253	0	10302	0
58	0	2107	0	4156	1	6205	0	8254	0	10303	0
59	1	2108	1	4157	0	6206	0	8255	1	10304	0
60	1	2109	0	4158	1	6207	1	8256	0	10305	1
61	1	2110	1	4159	0	6208	0	8257	0	10306	0
62	0	2111	0	4160	0	6209	1	8258	1	10307	0

63	0	2112	1	4161	0	6210	1	8259	1	10308	1
64	0	2113	0	4162	1	6211	1	8260	0	10309	1
65	1	2114	0	4163	0	6212	0	8261	1	10310	0
66	1	2115	1	4164	0	6213	1	8262	0	10311	1
67	0	2116	0	4165	0	6214	1	8263	1	10312	0
68	0	2117	0	4166	1	6215	0	8264	1	10313	1
69	0	2118	1	4167	1	6216	1	8265	1	10314	0
70	0	2119	0	4168	0	6217	0	8266	1	10315	1
71	0	2120	0	4169	1	6218	1	8267	1	10316	0
72	0	2121	1	4170	1	6219	0	8268	0	10317	1
73	1	2122	0	4171	0	6220	1	8269	0	10318	0
74	1	2123	1	4172	1	6221	0	8270	1	10319	0
75	0	2124	0	4173	0	6222	1	8271	0	10320	1
76	1	2125	1	4174	0	6223	0	8272	0	10321	1
77	1	2126	0	4175	1	6224	1	8273	1	10322	0
78	1	2127	1	4176	1	6225	1	8274	1	10323	1
79	0	2128	1	4177	1	6226	0	8275	0	10324	1
80	1	2129	1	4178	0	6227	1	8276	0	10325	0
81	1	2130	0	4179	1	6228	0	8277	0	10326	1
82	1	2131	0	4180	0	6229	1	8278	0	10327	0
83	1	2132	0	4181	1	6230	0	8279	1	10328	0
84	0	2133	0	4182	1	6231	0	8280	1	10329	1
85	0	2134	1	4183	0	6232	0	8281	0	10330	0
86	0	2135	1	4184	1	6233	0	8282	0	10331	0
87	1	2136	1	4185	1	6234	0	8283	0	10332	0
88	1	2137	1	4186	1	6235	0	8284	0	10333	0
89	1	2138	0	4187	1	6236	1	8285	1	10334	0
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91	1	2140	0	4189	1	6238	1	8287	1	10336	1
92	0	2141	0	4190	0	6239	1	8288	1	10337	0
93	0	2142	0	4191	1	6240	1	8289	0	10338	0
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95	1	2144	0	4193	0	6242	1	8291	0	10340	1
96	0	2145	1	4194	1	6243	0	8292	1	10341	1
97	0	2146	0	4195	0	6244	0	8293	1	10342	0
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103	1	2152	0	4201	0	6250	1	8299	1	10348	0
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109	1	2158	1	4207	0	6256	1	8305	0	10354	1
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113	1	2162	0	4211	0	6260	1	8309	1	10358	0
114	0	2163	1	4212	0	6261	1	8310	0	10359	1
115	0	2164	1	4213	0	6262	0	8311	1	10360	0
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117	0	2166	0	4215	0	6264	0	8313	0	10362	0
118	1	2167	0	4216	0	6265	1	8314	0	10363	0
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122	1	2171	0	4220	0	6269	0	8318	0	10367	0
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124	0	2173	0	4222	1	6271	0	8320	1	10369	1
125	1	2174	1	4223	0	6272	1	8321	1	10370	0
126	0	2175	0	4224	0	6273	1	8322	0	10371	1
127	1	2176	0	4225	1	6274	0	8323	1	10372	0
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129	0	2178	1	4227	1	6276	0	8325	0	10374	0
130	1	2179	0	4228	0	6277	0	8326	0	10375	1
131	1	2180	0	4229	0	6278	0	8327	0	10376	1
132	1	2181	1	4230	1	6279	1	8328	0	10377	0
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136	0	2185	1	4234	0	6283	0	8332	0	10381	0
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138	0	2187	1	4236	1	6285	0	8334	1	10383	0
139	0	2188	0	4237	0	6286	0	8335	0	10384	0
140	0	2189	0	4238	1	6287	0	8336	0	10385	0
141	0	2190	0	4239	1	6288	1	8337	0	10386	0
142	0	2191	1	4240	0	6289	1	8338	1	10387	1
143	1	2192	1	4241	1	6290	0	8339	1	10388	1
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147	0	2196	1	4245	1	6294	0	8343	1	10392	0
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150	0	2199	1	4248	0	6297	0	8346	1	10395	0

151	0	2200	1	4249	0	6298	1	8347	1	10396	1
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154	1	2203	1	4252	0	6301	1	8350	0	10399	0
155	0	2204	0	4253	0	6302	0	8351	0	10400	1
156	1	2205	1	4254	0	6303	0	8352	0	10401	1
157	0	2206	1	4255	0	6304	1	8353	0	10402	1
158	0	2207	0	4256	0	6305	0	8354	1	10403	1
159	1	2208	1	4257	0	6306	0	8355	0	10404	1
160	1	2209	0	4258	1	6307	1	8356	1	10405	1
161	1	2210	1	4259	1	6308	0	8357	1	10406	1
162	1	2211	0	4260	1	6309	1	8358	0	10407	1
163	1	2212	0	4261	0	6310	1	8359	1	10408	0
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174	1	2223	0	4272	0	6321	0	8370	1	10419	0
175	0	2224	1	4273	0	6322	1	8371	1	10420	1
176	1	2225	0	4274	1	6323	0	8372	1	10421	1
177	1	2226	1	4275	1	6324	0	8373	1	10422	1
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180	0	2229	0	4278	0	6327	1	8376	0	10425	1
181	1	2230	1	4279	0	6328	1	8377	1	10426	1
182	1	2231	0	4280	0	6329	1	8378	1	10427	0
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184	0	2233	0	4282	1	6331	1	8380	0	10429	0
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186	0	2235	1	4284	1	6333	0	8382	0	10431	1
187	0	2236	1	4285	0	6334	0	8383	0	10432	0
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190	1	2239	0	4288	1	6337	0	8386	1	10435	1
191	1	2240	1	4289	0	6338	1	8387	1	10436	0
192	0	2241	0	4290	1	6339	1	8388	0	10437	1
193	0	2242	0	4291	1	6340	1	8389	1	10438	0
194	0	2243	0	4292	0	6341	1	8390	0	10439	1

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196	1	2245	1	4294	0	6343	0	8392	1	10441	1
197	1	2246	0	4295	1	6344	1	8393	0	10442	1
198	0	2247	1	4296	0	6345	1	8394	1	10443	1
199	1	2248	1	4297	1	6346	1	8395	1	10444	0
200	1	2249	1	4298	1	6347	1	8396	0	10445	0
201	0	2250	0	4299	1	6348	0	8397	1	10446	0
202	0	2251	1	4300	0	6349	0	8398	0	10447	1
203	1	2252	0	4301	1	6350	1	8399	0	10448	1
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206	1	2255	0	4304	1	6353	0	8402	1	10451	0
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213	1	2262	0	4311	1	6360	0	8409	0	10458	0
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218	1	2267	1	4316	1	6365	0	8414	1	10463	1
219	1	2268	1	4317	0	6366	1	8415	0	10464	0
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223	1	2272	0	4321	0	6370	1	8419	0	10468	1
224	1	2273	1	4322	1	6371	1	8420	1	10469	0
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226	1	2275	1	4324	1	6373	1	8422	1	10471	0
227	0	2276	1	4325	0	6374	0	8423	0	10472	0
228	0	2277	0	4326	0	6375	1	8424	1	10473	0
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230	0	2279	1	4328	1	6377	1	8426	0	10475	0
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233	1	2282	1	4331	0	6380	1	8429	0	10478	1
234	0	2283	0	4332	0	6381	1	8430	1	10479	0
235	1	2284	0	4333	0	6382	0	8431	1	10480	1
236	1	2285	1	4334	0	6383	0	8432	1	10481	1
237	0	2286	0	4335	0	6384	0	8433	1	10482	1
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239	1	2288	0	4337	1	6386	0	8435	0	10484	0
240	1	2289	1	4338	0	6387	0	8436	1	10485	0
241	1	2290	0	4339	1	6388	0	8437	0	10486	1
242	0	2291	0	4340	0	6389	0	8438	0	10487	1
243	1	2292	1	4341	0	6390	1	8439	1	10488	0
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245	1	2294	0	4343	1	6392	0	8441	1	10490	0
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247	0	2296	1	4345	0	6394	0	8443	0	10492	1
248	0	2297	1	4346	0	6395	0	8444	1	10493	0
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253	1	2302	1	4351	1	6400	0	8449	1	10498	0
254	1	2303	1	4352	0	6401	1	8450	0	10499	0
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258	0	2307	0	4356	0	6405	0	8454	0	10503	1
259	1	2308	1	4357	1	6406	0	8455	1	10504	0
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262	0	2311	0	4360	1	6409	0	8458	0	10507	1
263	1	2312	0	4361	0	6410	0	8459	1	10508	1
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265	0	2314	1	4363	0	6412	1	8461	1	10510	1
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269	1	2318	0	4367	1	6416	0	8465	0	10514	0
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276	1	2325	1	4374	0	6423	1	8472	0	10521	1
277	0	2326	0	4375	0	6424	1	8473	0	10522	1
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285	1	2334	0	4383	1	6432	0	8481	1	10530	1
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304	1	2353	0	4402	0	6451	1	8500	0	10549	1
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307	1	2356	1	4405	1	6454	0	8503	1	10552	1
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312	0	2361	1	4410	0	6459	1	8508	1	10557	1
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321	1	2370	0	4419	1	6468	1	8517	0	10566	1
322	1	2371	0	4420	1	6469	1	8518	0	10567	0
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324	1	2373	1	4422	1	6471	1	8520	0	10569	0
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331	0	2380	1	4429	0	6478	1	8527	0	10576	1
332	0	2381	1	4430	1	6479	0	8528	1	10577	0
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334	0	2383	0	4432	0	6481	1	8530	0	10579	0
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336	1	2385	1	4434	0	6483	1	8532	1	10581	0
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339	0	2388	1	4437	0	6486	1	8535	0	10584	1
340	0	2389	0	4438	0	6487	1	8536	0	10585	0
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342	1	2391	1	4440	1	6489	1	8538	0	10587	1
343	1	2392	0	4441	0	6490	1	8539	0	10588	0
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352	1	2401	0	4450	0	6499	1	8548	1	10597	0
353	1	2402	1	4451	0	6500	1	8549	1	10598	1
354	0	2403	1	4452	0	6501	1	8550	0	10599	0
355	0	2404	0	4453	0	6502	0	8551	1	10600	0
356	1	2405	1	4454	0	6503	0	8552	0	10601	0
357	1	2406	1	4455	0	6504	1	8553	1	10602	0
358	1	2407	0	4456	0	6505	0	8554	0	10603	1
359	0	2408	0	4457	1	6506	1	8555	1	10604	0
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361	1	2410	0	4459	1	6508	0	8557	0	10606	1
362	0	2411	1	4460	1	6509	1	8558	1	10607	1
363	1	2412	1	4461	0	6510	0	8559	1	10608	0
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365	1	2414	0	4463	1	6512	1	8561	0	10610	1
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368	0	2417	0	4466	0	6515	0	8564	0	10613	0
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405	1	2454	0	4503	0	6552	1	8601	1	10650	0
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407	1	2456	0	4505	0	6554	0	8603	1	10652	0
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409	0	2458	1	4507	0	6556	1	8605	1	10654	1
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411	1	2460	0	4509	0	6558	1	8607	0	10656	1
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419	1	2468	0	4517	0	6566	1	8615	1	10664	1
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421	1	2470	0	4519	1	6568	0	8617	1	10666	1
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424	0	2473	1	4522	0	6571	0	8620	1	10669	0
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427	0	2476	1	4525	0	6574	1	8623	1	10672	0
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431	1	2480	1	4529	1	6578	1	8627	1	10676	1
432	1	2481	1	4530	1	6579	0	8628	0	10677	1
433	0	2482	1	4531	1	6580	0	8629	1	10678	1
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436	1	2485	0	4534	0	6583	0	8632	1	10681	1
437	1	2486	0	4535	1	6584	0	8633	1	10682	1
438	1	2487	1	4536	0	6585	1	8634	1	10683	0
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446	0	2495	0	4544	0	6593	1	8642	0	10691	0
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456	1	2505	0	4554	0	6603	1	8652	1	10701	0
457	0	2506	1	4555	1	6604	1	8653	0	10702	0
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459	1	2508	0	4557	0	6606	1	8655	0	10704	0
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461	0	2510	0	4559	1	6608	1	8657	1	10706	1
462	0	2511	1	4560	1	6609	0	8658	0	10707	1
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465	1	2514	1	4563	1	6612	1	8661	1	10710	0
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471	1	2520	0	4569	1	6618	0	8667	0	10716	0
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477	0	2526	0	4575	0	6624	0	8673	1	10722	1
478	0	2527	1	4576	0	6625	1	8674	0	10723	1
479	1	2528	1	4577	0	6626	0	8675	0	10724	0
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508	1	2557	0	4606	1	6655	0	8704	0	10753	1
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524	0	2573	0	4622	0	6671	0	8720	0	10769	0
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526	0	2575	1	4624	1	6673	0	8722	1	10771	0
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529	1	2578	1	4627	1	6676	0	8725	1	10774	0
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545	1	2594	1	4643	1	6692	1	8741	0	10790	0
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548	0	2597	1	4646	0	6695	1	8744	0	10793	0
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554	0	2603	1	4652	0	6701	1	8750	1	10799	0
555	1	2604	1	4653	0	6702	1	8751	0	10800	0
556	0	2605	1	4654	1	6703	0	8752	0	10801	0
557	1	2606	0	4655	0	6704	1	8753	0	10802	1
558	1	2607	0	4656	0	6705	0	8754	1	10803	0
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587	0	2636	1	4685	1	6734	1	8783	0	10832	0
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593	0	2642	0	4691	0	6740	0	8789	0	10838	0
594	0	2643	1	4692	0	6741	0	8790	1	10839	0
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597	0	2646	1	4695	1	6744	0	8793	1	10842	1
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599	1	2648	1	4697	1	6746	1	8795	1	10844	0
600	0	2649	1	4698	0	6747	1	8796	0	10845	0
601	1	2650	0	4699	0	6748	1	8797	1	10846	1
602	0	2651	1	4700	0	6749	1	8798	1	10847	1
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604	0	2653	1	4702	0	6751	0	8800	0	10849	0
605	1	2654	0	4703	0	6752	0	8801	0	10850	1
606	1	2655	1	4704	1	6753	0	8802	0	10851	1
607	1	2656	0	4705	1	6754	1	8803	1	10852	1
608	1	2657	1	4706	0	6755	1	8804	1	10853	0
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611	0	2660	0	4709	1	6758	0	8807	1	10856	1
612	0	2661	0	4710	0	6759	1	8808	0	10857	1
613	0	2662	1	4711	1	6760	0	8809	0	10858	0
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616	1	2665	1	4714	1	6763	1	8812	1	10861	1
617	1	2666	0	4715	0	6764	0	8813	1	10862	0
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619	1	2668	1	4717	1	6766	0	8815	0	10864	1
620	0	2669	0	4718	0	6767	0	8816	1	10865	0
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622	0	2671	0	4720	1	6769	1	8818	1	10867	1
623	0	2672	0	4721	1	6770	0	8819	1	10868	0
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626	0	2675	1	4724	0	6773	0	8822	1	10871	0
627	1	2676	0	4725	1	6774	0	8823	0	10872	1
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632	0	2681	0	4730	1	6779	1	8828	0	10877	0
633	0	2682	1	4731	0	6780	0	8829	1	10878	1
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636	1	2685	0	4734	0	6783	0	8832	0	10881	0
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638	1	2687	0	4736	0	6785	1	8834	1	10883	1
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655	0	2704	1	4753	0	6802	1	8851	0	10900	0
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659	0	2708	1	4757	0	6806	0	8855	1	10904	0
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663	0	2712	1	4761	1	6810	0	8859	0	10908	0
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666	0	2715	0	4764	0	6813	1	8862	1	10911	1
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674	0	2723	1	4772	1	6821	1	8870	1	10919	0
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676	1	2725	0	4774	0	6823	1	8872	1	10921	0
677	0	2726	1	4775	0	6824	1	8873	0	10922	0
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693	1	2742	0	4791	1	6840	0	8889	0	10938	0
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696	1	2745	1	4794	0	6843	1	8892	0	10941	1
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715	0	2764	1	4813	1	6862	0	8911	0	10960	1
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718	1	2767	0	4816	0	6865	1	8914	0	10963	1
719	1	2768	1	4817	1	6866	1	8915	1	10964	1
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722	0	2771	1	4820	0	6869	1	8918	0	10967	0

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737	0	2786	0	4835	0	6884	0	8933	1	10982	1
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740	0	2789	0	4838	0	6887	0	8936	0	10985	1
741	0	2790	1	4839	0	6888	0	8937	0	10986	0
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745	0	2794	0	4843	0	6892	1	8941	1	10990	1
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755	0	2804	0	4853	1	6902	0	8951	0	11000	1
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786	1	2835	1	4884	1	6933	1	8982	1	11031	0
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1133	0	3182	1	5231	0	7280	0	9329	0	11378	1
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1657	1	3706	0	5755	0	7804	1	9853	0	11902	0
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1659	1	3708	0	5757	0	7806	0	9855	0	11904	0
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1668	0	3717	1	5766	1	7815	1	9864	0	11913	0
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1670	0	3719	0	5768	0	7817	1	9866	1	11915	1
1671	1	3720	1	5769	1	7818	0	9867	1	11916	0
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1679	1	3728	0	5777	0	7826	0	9875	0	11924	1
1680	0	3729	1	5778	1	7827	1	9876	0	11925	0
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1682	0	3731	0	5780	0	7829	0	9878	1	11927	1
1683	1	3732	1	5781	1	7830	1	9879	1	11928	0
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1686	1	3735	0	5784	0	7833	0	9882	1	11931	0
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1729	0	3778	0	5827	1	7876	1	9925	0	11974	0
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1732	0	3781	0	5830	0	7879	0	9928	0	11977	0
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1735	0	3784	0	5833	1	7882	1	9931	0	11980	0
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1737	0	3786	1	5835	1	7884	1	9933	0	11982	1
1738	1	3787	0	5836	0	7885	1	9934	0	11983	1
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1740	1	3789	1	5838	0	7887	0	9936	1	11985	1
1741	0	3790	1	5839	0	7888	1	9937	0	11986	1
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1755	1	3804	0	5853	0	7902	1	9951	1	12000	0
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1757	1	3806	0	5855	0	7904	0	9953	1	12002	0
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1915	0	3964	0	6013	0	8062	0	10111	0	12160	0
1916	1	3965	0	6014	1	8063	1	10112	0	12161	0
1917	0	3966	0	6015	1	8064	1	10113	0	12162	1
1918	1	3967	1	6016	0	8065	1	10114	1	12163	0
1919	0	3968	1	6017	1	8066	0	10115	1	12164	1
1920	1	3969	0	6018	1	8067	0	10116	1	12165	1
1921	0	3970	1	6019	1	8068	1	10117	0	12166	1
1922	1	3971	1	6020	1	8069	0	10118	0	12167	1
1923	1	3972	0	6021	1	8070	0	10119	1	12168	1
1924	0	3973	1	6022	1	8071	0	10120	0	12169	1
1925	1	3974	0	6023	1	8072	0	10121	0	12170	0
1926	1	3975	0	6024	0	8073	0	10122	0	12171	1
1927	1	3976	1	6025	0	8074	0	10123	1	12172	1
1928	1	3977	1	6026	0	8075	1	10124	0	12173	0
1929	1	3978	1	6027	0	8076	1	10125	0	12174	0
1930	0	3979	0	6028	0	8077	1	10126	0	12175	1
1931	1	3980	0	6029	0	8078	1	10127	0	12176	0
1932	1	3981	0	6030	1	8079	0	10128	0	12177	1
1933	1	3982	1	6031	0	8080	0	10129	0	12178	1
1934	0	3983	1	6032	0	8081	1	10130	1	12179	1
1935	0	3984	0	6033	1	8082	1	10131	0	12180	0
1936	0	3985	1	6034	1	8083	0	10132	0	12181	1
1937	1	3986	1	6035	0	8084	1	10133	1	12182	0
1938	0	3987	0	6036	1	8085	0	10134	1	12183	0
1939	0	3988	0	6037	1	8086	1	10135	0	12184	1
1940	1	3989	0	6038	1	8087	1	10136	1	12185	1
1941	1	3990	0	6039	0	8088	0	10137	1	12186	1
1942	1	3991	0	6040	1	8089	1	10138	1	12187	1
1943	0	3992	0	6041	0	8090	1	10139	1	12188	1
1944	0	3993	1	6042	1	8091	1	10140	1	12189	0
1945	1	3994	1	6043	1	8092	0	10141	1	12190	0
1946	1	3995	0	6044	0	8093	1	10142	1	12191	0
1947	0	3996	0	6045	1	8094	1	10143	1	12192	0
1948	0	3997	0	6046	0	8095	1	10144	0	12193	1
1949	1	3998	1	6047	0	8096	0	10145	1	12194	0
1950	0	3999	0	6048	0	8097	0	10146	1	12195	0
1951	1	4000	0	6049	0	8098	0	10147	1	12196	1
1952	1	4001	0	6050	1	8099	0	10148	0	12197	0
1953	1	4002	1	6051	0	8100	1	10149	0	12198	0
1954	1	4003	1	6052	0	8101	1	10150	1	12199	0

1955	1	4004	1	6053	1	8102	0	10151	1	12200	1
1956	1	4005	1	6054	0	8103	0	10152	0	12201	0
1957	0	4006	0	6055	1	8104	1	10153	0	12202	1
1958	0	4007	0	6056	0	8105	0	10154	1	12203	0
1959	0	4008	0	6057	0	8106	1	10155	1	12204	1
1960	0	4009	1	6058	0	8107	1	10156	0	12205	1
1961	0	4010	1	6059	0	8108	0	10157	0	12206	1
1962	0	4011	0	6060	1	8109	1	10158	0	12207	1
1963	0	4012	1	6061	0	8110	0	10159	0	12208	0
1964	1	4013	1	6062	0	8111	1	10160	1	12209	1
1965	1	4014	1	6063	0	8112	0	10161	1	12210	0
1966	0	4015	1	6064	0	8113	1	10162	0	12211	1
1967	1	4016	0	6065	0	8114	0	10163	0	12212	1
1968	0	4017	0	6066	1	8115	0	10164	1	12213	1
1969	0	4018	0	6067	1	8116	1	10165	0	12214	0
1970	1	4019	1	6068	0	8117	0	10166	0	12215	1
1971	1	4020	1	6069	0	8118	1	10167	0	12216	0
1972	1	4021	0	6070	1	8119	0	10168	1	12217	0
1973	1	4022	0	6071	0	8120	0	10169	1	12218	0
1974	0	4023	1	6072	1	8121	0	10170	1	12219	1
1975	0	4024	0	6073	1	8122	1	10171	0	12220	1
1976	0	4025	1	6074	1	8123	1	10172	1	12221	1
1977	1	4026	1	6075	0	8124	0	10173	1	12222	0
1978	0	4027	1	6076	1	8125	0	10174	0	12223	1
1979	1	4028	1	6077	0	8126	0	10175	1	12224	1
1980	0	4029	0	6078	0	8127	1	10176	0	12225	1
1981	0	4030	1	6079	1	8128	1	10177	0	12226	1
1982	1	4031	1	6080	1	8129	1	10178	1	12227	0
1983	1	4032	1	6081	1	8130	0	10179	0	12228	1
1984	1	4033	1	6082	0	8131	1	10180	0	12229	1
1985	0	4034	0	6083	0	8132	1	10181	0	12230	1
1986	0	4035	0	6084	1	8133	1	10182	0	12231	0
1987	0	4036	0	6085	0	8134	1	10183	0	12232	0
1988	1	4037	0	6086	1	8135	1	10184	0	12233	1
1989	1	4038	0	6087	0	8136	0	10185	1	12234	0
1990	1	4039	1	6088	0	8137	0	10186	1	12235	0
1991	1	4040	0	6089	1	8138	1	10187	0	12236	0
1992	0	4041	1	6090	1	8139	1	10188	1	12237	1
1993	1	4042	1	6091	1	8140	1	10189	1	12238	1
1994	0	4043	1	6092	0	8141	1	10190	0	12239	1
1995	1	4044	0	6093	1	8142	0	10191	1	12240	1
1996	0	4045	0	6094	0	8143	1	10192	0	12241	1
1997	1	4046	1	6095	0	8144	1	10193	1	12242	1
1998	1	4047	1	6096	0	8145	1	10194	1	12243	0

1999	1	4048	1	6097	0	8146	0	10195	0	12244	0
2000	0	4049	0	6098	1	8147	0	10196	0	12245	0
2001	1	4050	0	6099	1	8148	0	10197	0	12246	0
2002	0	4051	0	6100	1	8149	1	10198	1	12247	0
2003	1	4052	0	6101	1	8150	1	10199	0	12248	1
2004	1	4053	0	6102	0	8151	0	10200	1	12249	0
2005	1	4054	0	6103	0	8152	1	10201	0	12250	1
2006	1	4055	0	6104	1	8153	0	10202	1	12251	1
2007	1	4056	0	6105	0	8154	1	10203	0	12252	1
2008	1	4057	0	6106	1	8155	0	10204	1	12253	1
2009	0	4058	0	6107	1	8156	0	10205	0	12254	1
2010	0	4059	0	6108	0	8157	0	10206	1	12255	1
2011	0	4060	1	6109	0	8158	0	10207	1	12256	1
2012	0	4061	0	6110	1	8159	1	10208	1	12257	1
2013	1	4062	0	6111	1	8160	0	10209	1	12258	0
2014	0	4063	0	6112	0	8161	0	10210	1	12259	1
2015	1	4064	0	6113	1	8162	1	10211	0	12260	0
2016	0	4065	1	6114	0	8163	1	10212	1	12261	0
2017	0	4066	1	6115	0	8164	0	10213	0	12262	0
2018	0	4067	0	6116	1	8165	0	10214	1	12263	1
2019	0	4068	1	6117	1	8166	1	10215	1	12264	0
2020	1	4069	0	6118	0	8167	1	10216	1	12265	0
2021	0	4070	1	6119	1	8168	0	10217	1	12266	1
2022	0	4071	0	6120	0	8169	1	10218	0	12267	0
2023	1	4072	1	6121	0	8170	1	10219	1	12268	1
2024	0	4073	1	6122	1	8171	1	10220	0	12269	0
2025	1	4074	1	6123	0	8172	0	10221	0	12270	0
2026	1	4075	1	6124	1	8173	1	10222	0	12271	1
2027	0	4076	0	6125	1	8174	1	10223	1	12272	0
2028	0	4077	1	6126	0	8175	1	10224	0	12273	1
2029	1	4078	1	6127	0	8176	0	10225	0	12274	0
2030	1	4079	0	6128	1	8177	0	10226	1	12275	1
2031	0	4080	1	6129	1	8178	1	10227	1	12276	0
2032	0	4081	1	6130	1	8179	0	10228	0	12277	0
2033	1	4082	1	6131	0	8180	1	10229	1	12278	1
2034	0	4083	1	6132	0	8181	0	10230	1	12279	0
2035	1	4084	0	6133	1	8182	0	10231	0	12280	0
2036	1	4085	0	6134	0	8183	1	10232	1	12281	1
2037	0	4086	1	6135	0	8184	0	10233	0	12282	1
2038	1	4087	0	6136	1	8185	1	10234	0	12283	1
2039	1	4088	0	6137	0	8186	0	10235	1	12284	0
2040	1	4089	0	6138	0	8187	0	10236	1	12285	0
2041	1	4090	0	6139	1	8188	1	10237	0	12286	0
2042	1	4091	1	6140	1	8189	1	10238	0	12287	0

2043	1	4092	0	6141	0	8190	1	10239	1	12288	1
2044	1	4093	1	6142	1	8191	0	10240	0		
2045	0	4094	1	6143	0	8192	1	10241	0		
2046	0	4095	0	6144	1	8193	0	10242	1		
2047	0	4096	0	6145	0	8194	0	10243	0		
2048	1	4097	1	6146	0	8195	1	10244	0		

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