

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

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ABSTRACT. The continued fraction conjecture claims that the continued fraction defined by the (a, b) -Thue-Morse sequence is algebraic over $\mathbb{F}_2(x)$ for all pairs of distinct elements (a, b) in $\mathbb{F}_2[x] \setminus \mathbb{F}_2$. In this paper we prove the conjecture for $(a, b) = (z^4 + z^3 + z^2, z^3 + z^2 + 1)$.

1. INTRODUCTION

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

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

as the limit of the finite continued fractions

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

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

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

admits a continued fraction expansion of form (1.1).

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

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

that we shall denote

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

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Theorem 1.1. *When $(a, b) = (z^4 + z^3 + z^2, z^3 + z^2 + 1)$, the two power series $\text{CF}(a, b)$ and $\text{CF}(b, a)$ are algebraic over $\mathbb{F}_2(z)$, with minimal polynomials of the form*

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

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

$$p_0(z) = z^{21} + z^{17} + z^{16} + z^{15} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 + z^4 + z^3 + z^2 + 1,$$

$$p_1(z) = z^{25} + z^{20} + z^{19} + z^{16} + z^{15} + z^{14} + z^{12} + z^9 + z^8 + z^7 + z^3 + z^2,$$

$$p_2(z) = z^{28} + z^{22} + z^8 + z^6 + z^4,$$

$$p_3(z) = z^{25} + z^{20} + z^{19} + z^{16} + z^{15} + z^{14} + z^{12} + z^9 + z^8 + z^7 + z^3 + z^2,$$

$$p_4(z) = z^{22} + z^{21} + z^{17} + z^{15} + z^{14} + z^{13} + z^{10} + z^9 + z^6 + z^3 + z^2,$$

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

$$p_0(z) = z^{21} + z^{17} + z^{15} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 + z^4 + z^3 + z^2,$$

$$p_1(z) = z^{25} + z^{20} + z^{19} + z^{16} + z^{15} + z^{14} + z^{12} + z^9 + z^8 + z^7 + z^3 + z^2,$$

$$p_2(z) = z^{28} + z^{22} + z^8 + z^6 + z^4,$$

$$p_3(z) = z^{25} + z^{20} + z^{19} + z^{16} + z^{15} + z^{14} + z^{12} + z^9 + z^8 + z^7 + z^3 + z^2,$$

$$p_4(z) = z^{22} + z^{21} + z^{17} + z^{16} + z^{15} + z^{14} + z^{13} + z^{10} + z^9 + z^6 + z^3 + z^2 + 1.$$

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 $n \geq 0$

$$M_{n+1}(x) = W_n(x) \cdot M_n(x),$$

$$W_{n+1}(x) = M_n(x) \cdot W_n(x).$$

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

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

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

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

for some positive integer d_n . Hence,

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

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

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

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

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

of the vector

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

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

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

Lemma 2.1. *We have*

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

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

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

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

Proof. We give the proof of the identity

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

the proofs of the others being similar.

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

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

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

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

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

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

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

Define

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

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

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

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

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

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

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

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

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

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

which can be rewritten as

$$(2.7) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[111w]_2],$$

$$(2.8) \quad 0 = T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[1000w]_2],$$

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

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

$$0 = T[[w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2]$$

$$(2.11) \quad + T[[1011w]_2],$$

$$(2.12) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[100w]_2] + T[[110w]_2] + T[[1100w]_2],$$

$$(2.13) \quad 0 = T[[10w]_2] + T[[101w]_2] + T[[1101w]_2],$$

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

$$(2.14) \quad 0 = T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[111w]_2],$$

$$(2.15) \quad 0 = T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[1000w]_2],$$

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

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

$$0 = T[[w]_2] + T[[10w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2]$$

$$(2.18) \quad + T[[1011w]_2],$$

$$(2.19) \quad 0 = T[[w]_2] + T[[10w]_2] + T[[100w]_2] + T[[110w]_2] + T[[1100w]_2],$$

$$(2.20) \quad 0 = T[[10w]_2] + T[[101w]_2] + T[[1101w]_2],$$

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 13313 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

$$(2.21) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 111)),$$

$$(2.22) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 1000)),$$

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

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 110))$$

$$(2.24) \quad + \tau(A(s, 1010)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101))$$

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

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 110))$$

$$(2.26) \quad + \tau(A(s, 1100)),$$

$$(2.27) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 1101)),$$

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

$$(2.28) \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 111)),$$

$$(2.29) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 1000)),$$

$$(2.30) \quad 0 = \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1001)),$$

$$(2.31) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\ + \tau(A(s, 1010)),$$

$$(2.32) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 101)) \\ + \tau(A(s, 110)) + \tau(A(s, 1011)),$$

$$(2.33) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 110)) \\ + \tau(A(s, 1100)),$$

$$(2.34) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 1101)),$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{48}), E_{48}) = (A(i, 0^{20}), E_{20})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 24$, 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 $u = 2^{2k-1}$,*

$$M_{2k} = M^e[:7u] + x^{4u}M^e[:3u] + x^{5u}M^e[:2u] + x^{6u}M^e[:u] + x^{7u}R^e, \\ W_{2k} = W^e[:7u] + x^{4u}W^e[:3u] + x^{5u}W^e[:2u] + x^{6u}W^e[:u] + x^{7u}R^e.$$

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

$$M_{2k+1} = M^o[:7u] + x^{4u}M^o[:3u] + x^{5u}M^o[:2u] + x^{6u}M^o[:u] + x^{7u}R^o, \\ W_{2k+1} = W^o[:7u] + x^{4u}W^o[:3u] + x^{5u}W^o[:2u] + x^{6u}W^o[:u] + x^{7u}R^o.$$

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

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

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

$$(2.35) \quad W_{2k}M_{2k} = (W^e[:7v] + x^{4v}W^e[:3v] + x^{5v}W^e[:2v] + x^{6v}W^e[:v] + x^{7v}R^e) \times (\\ M^e[:7v] + x^{4v}M^e[:3v] + x^{5v}M^e[:2v] + x^{6v}M^e[:v] + x^{7v}R^e);$$

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

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

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

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

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

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{25} + x^{24} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} \\ &\quad + x^7, \\ q_1(x) &= x^{26} + x^{25} + x^{21} + x^{20} + x^{19} + x^{16} + x^{14} + x^{13} + x^{12} + x^9 + x^8 + x^3, \\ q_2(x) &= x^{24} + x^{22} + x^{20} + x^6 + 1, \\ q_3(x) &= x^{26} + x^{25} + x^{21} + x^{20} + x^{19} + x^{16} + x^{14} + x^{13} + x^{12} + x^9 + x^8 + x^3, \\ q_4(x) &= x^{26} + x^{25} + x^{22} + x^{19} + x^{18} + x^{15} + x^{14} + x^{13} + x^{11} + x^7 + x^6. \end{aligned}$$

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

$$\begin{aligned} p_0(x) &= x^{144} + x^{140} + x^{138} + x^{132} + x^{130} + x^{128} + x^{126} + x^{124} + x^{120} + x^{114} \\ &\quad + x^{110} + x^{104} + x^{102} + x^{100} + x^{96} + x^{94} + x^{90} + x^{74} + x^{72} + x^{70} \\ &\quad + x^{68} + x^{66} + x^{62} + x^{60} + x^{58} + x^{54} + x^{52} + x^{44} + x^{42} + x^{40} + x^{36}, \\ p_3(x) &= x^{136} + x^{130} + x^{128} + x^{124} + x^{122} + x^{116} + x^{114} + x^{108} + x^{104} + x^{102} \\ &\quad + x^{100} + x^{98} + x^{94} + x^{92} + x^{90} + x^{84} + x^{80} + x^{78} + x^{76} + x^{70} + x^{66} \\ &\quad + x^{62} + x^{58} + x^{56} + x^{50} + x^{42} + x^{38} + x^{36} + x^{32} + x^{30} + x^{28} + x^{26} \\ &\quad + x^{22} + x^{20}, \\ p_6(x) &= x^{128} + x^{126} + x^{116} + x^{108} + x^{104} + x^{98} + x^{96} + x^{94} + x^{88} + x^{86} + x^{82} \\ &\quad + x^{78} + x^{76} + x^{70} + x^{66} + x^{64} + x^{62} + x^{54} + x^{52} + x^{50} + x^{46} + x^{44} \\ &\quad + x^{42} + x^{38} + x^{36} + x^{34} + x^{32} + x^{26} + x^{24} + x^{20} + x^{18} + x^{14} + x^6 \\ &\quad + x^4 + x^2 + 1, \\ p_9(x) &= x^{140} + x^{138} + x^{132} + x^{124} + x^{122} + x^{118} + x^{112} + x^{106} + x^{102} + x^{94} \\ &\quad + x^{92} + x^{90} + x^{88} + x^{86} + x^{68} + x^{66} + x^{58} + x^{50} + x^{46} + x^{44} + x^{42} \\ &\quad + x^{40} + x^{38} + x^{34} + x^{32} + x^{30} + x^{26} + x^{20} + x^{18} + x^{16} + x^{12} + x^{10} \\ &\quad + x^8 + x^6, \\ p_{12}(x) &= x^{140} + x^{138} + x^{136} + x^{124} + x^{122} + x^{120} + x^{116} + x^{114} + x^{112} + x^{108} \\ &\quad + x^{106} + x^{104} + x^{84} + x^{82} + x^{80} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} \\ &\quad + x^{52} + x^{50} + x^{48} + x^{28} + x^{26} + x^{24} + x^{12} + x^{10} + x^8 + x^4 + x^2 + 1, \end{aligned}$$

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

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

$$\begin{aligned} p_0(x) &= x^{147} + x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{131} + x^{130} + x^{127} + x^{125} \\ &\quad + x^{124} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{109} + x^{107} \\ &\quad + x^{105} + x^{103} + x^{100} + x^{99} + x^{98} + x^{95} + x^{94} + x^{93} + x^{89} + x^{86} + x^{84} \\ &\quad + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{70} + x^{67} + x^{65} + x^{63} + x^{59} \\ &\quad + x^{57} + x^{56} + x^{51} + x^{50} + x^{45} + x^{44} + x^{42} + x^{41} + x^{40} + x^{39}, \\ p_3(x) &= x^{143} + x^{141} + x^{137} + x^{135} + x^{127} + x^{119} + x^{117} + x^{115} + x^{113} + x^{111} \end{aligned}$$

$$\begin{aligned}
& + x^{109} + x^{105} + x^{103} + x^{101} + x^{99} + x^{97} + x^{93} + x^{91} + x^{89} + x^{87} \\
& + x^{79} + x^{67} + x^{61} + x^{57} + x^{53} + x^{51} + x^{49} + x^{47} + x^{37} + x^{33} + x^{31} \\
& + x^{27}, \\
p_6(x) &= x^{141} + x^{140} + x^{139} + x^{138} + x^{136} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} \\
& + x^{127} + x^{124} + x^{122} + x^{121} + x^{120} + x^{116} + x^{113} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{92} + x^{91} + x^{87} \\
& + x^{85} + x^{84} + x^{83} + x^{81} + x^{79} + x^{77} + x^{74} + x^{73} + x^{68} + x^{67} + x^{66} \\
& + x^{65} + x^{64} + x^{62} + x^{61} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} \\
& + x^{47} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} + x^{36} + x^{35} + x^{33} + x^{32} + x^{30} \\
& + x^{28} + x^{23} + x^{22} + x^{18}, \\
p_9(x) &= x^{139} + x^{135} + x^{133} + x^{123} + x^{121} + x^{119} + x^{109} + x^{107} + x^{99} + x^{91} \\
& + x^{79} + x^{77} + x^{71} + x^{69} + x^{65} + x^{59} + x^{55} + x^{53} + x^{47} + x^{33} + x^{29} \\
& + x^{23} + x^{21} + x^{15} + x^{13} + x^9, \\
p_{12}(x) &= x^{137} + x^{136} + x^{133} + x^{128} + x^{117} + x^{116} + x^{112} + x^{105} + x^{104} + x^{101} \\
& + x^{96} + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{53} + x^{52} + x^{48} + x^{25} \\
& + x^{24} + x^{21} + x^{16} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{131} + x^{130} + x^{127} + x^{125} \\
& + x^{124} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{109} + x^{107} \\
& + x^{105} + x^{103} + x^{100} + x^{99} + x^{98} + x^{95} + x^{94} + x^{93} + x^{89} + x^{86} + x^{84} \\
& + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{70} + x^{67} + x^{65} + x^{63} + x^{59} \\
& + x^{57} + x^{56} + x^{51} + x^{50} + x^{45} + x^{44} + x^{42} + x^{41} + x^{40} + x^{39}, \\
p_3(x) &= x^{143} + x^{141} + x^{137} + x^{135} + x^{127} + x^{119} + x^{117} + x^{115} + x^{113} + x^{111} \\
& + x^{109} + x^{105} + x^{103} + x^{101} + x^{99} + x^{97} + x^{93} + x^{91} + x^{89} + x^{87} \\
& + x^{79} + x^{67} + x^{61} + x^{57} + x^{53} + x^{51} + x^{49} + x^{47} + x^{37} + x^{33} + x^{31} \\
& + x^{27}, \\
p_6(x) &= x^{141} + x^{140} + x^{139} + x^{138} + x^{136} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} \\
& + x^{127} + x^{124} + x^{122} + x^{121} + x^{120} + x^{116} + x^{113} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{92} + x^{91} + x^{87} \\
& + x^{85} + x^{84} + x^{83} + x^{81} + x^{79} + x^{77} + x^{74} + x^{73} + x^{68} + x^{67} + x^{66} \\
& + x^{65} + x^{64} + x^{62} + x^{61} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} \\
& + x^{47} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} + x^{36} + x^{35} + x^{33} + x^{32} + x^{30} \\
& + x^{28} + x^{23} + x^{22} + x^{18}, \\
p_9(x) &= x^{139} + x^{135} + x^{133} + x^{123} + x^{121} + x^{119} + x^{109} + x^{107} + x^{99} + x^{91}
\end{aligned}$$

$$\begin{aligned}
& + x^{79} + x^{77} + x^{71} + x^{69} + x^{65} + x^{59} + x^{55} + x^{53} + x^{47} + x^{33} + x^{29} \\
& + x^{23} + x^{21} + x^{15} + x^{13} + x^9, \\
p_{12}(x) = & x^{137} + x^{136} + x^{133} + x^{128} + x^{117} + x^{116} + x^{112} + x^{105} + x^{104} + x^{101} \\
& + x^{96} + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{53} + x^{52} + x^{48} + x^{25} \\
& + x^{24} + x^{21} + x^{16} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{150} + x^{142} + x^{138} + x^{136} + x^{132} + x^{130} + x^{126} + x^{120} + x^{114} + x^{112} \\
& + x^{110} + x^{102} + x^{100} + x^{98} + x^{94} + x^{90} + x^{86} + x^{80} + x^{78} + x^{76} + x^{74} \\
& + x^{72} + x^{68} + x^{62} + x^{60} + x^{52} + x^{48} + x^{44} + x^{42}, \\
p_3(x) = & x^{138} + x^{136} + x^{132} + x^{130} + x^{126} + x^{124} + x^{122} + x^{120} + x^{116} + x^{114} \\
& + x^{112} + x^{100} + x^{96} + x^{84} + x^{82} + x^{80} + x^{78} + x^{76} + x^{74} + x^{72} + x^{68} \\
& + x^{62} + x^{60} + x^{56} + x^{48} + x^{44} + x^{42} + x^{40} + x^{36} + x^{34} + x^{32} + x^{26} \\
& + x^{22} + x^{18}, \\
p_6(x) = & x^{138} + x^{136} + x^{134} + x^{132} + x^{130} + x^{124} + x^{120} + x^{118} + x^{116} + x^{114} \\
& + x^{112} + x^{108} + x^{106} + x^{92} + x^{88} + x^{86} + x^{84} + x^{82} + x^{76} + x^{74} + x^{72} \\
& + x^{68} + x^{66} + x^{60} + x^{58} + x^{56} + x^{54} + x^{48} + x^{44} + x^{40} + x^{32} + x^{30} \\
& + x^{26} + x^{24} + x^{18} + x^{14} + x^{12} + x^{10} + x^2 + 1, \\
p_9(x) = & x^{134} + x^{126} + x^{122} + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{104} + x^{102} \\
& + x^{92} + x^{90} + x^{86} + x^{82} + x^{70} + x^{68} + x^{64} + x^{62} + x^{58} + x^{54} + x^{52} \\
& + x^{50} + x^{48} + x^{42} + x^{40} + x^{36} + x^{34} + x^{28} + x^{24} + x^{22} + x^{20} + x^{18} \\
& + x^8 + x^6, \\
p_{12}(x) = & x^{134} + x^{130} + x^{128} + x^{126} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{102} \\
& + x^{98} + x^{96} + x^{94} + x^{90} + x^{88} + x^{78} + x^{74} + x^{72} + x^{62} + x^{58} + x^{56} \\
& + x^{54} + x^{50} + x^{48} + x^{22} + x^{18} + x^{16} + x^{14} + x^{10} + x^8 + x^6 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{150} + x^{138} + x^{134} + x^{128} + x^{126} + x^{120} + x^{114} + x^{112} + x^{110} + x^{104} \\
& + x^{102} + x^{84} + x^{80} + x^{78} + x^{76} + x^{70} + x^{64} + x^{62} + x^{60} + x^{56} + x^{54} \\
& + x^{48} + x^{44} + x^{42} + x^{36}, \\
p_3(x) = & x^{138} + x^{136} + x^{132} + x^{128} + x^{124} + x^{112} + x^{100} + x^{96} + x^{90} + x^{88} \\
& + x^{86} + x^{84} + x^{78} + x^{74} + x^{70} + x^{68} + x^{52} + x^{46} + x^{44} + x^{34} + x^{30} \\
& + x^{24} + x^{22} + x^{20}, \\
p_6(x) = & x^{138} + x^{136} + x^{134} + x^{132} + x^{128} + x^{124} + x^{122} + x^{120} + x^{118} + x^{116} \\
& + x^{104} + x^{102} + x^{98} + x^{96} + x^{94} + x^{92} + x^{88} + x^{84} + x^{82} + x^{80} + x^{78}
\end{aligned}$$

$$\begin{aligned}
& + x^{76} + x^{70} + x^{66} + x^{64} + x^{60} + x^{58} + x^{54} + x^{52} + x^{50} + x^{46} + x^{42} \\
& + x^{40} + x^{32} + x^{30} + x^{28} + x^{26} + x^{22} + x^{18} + x^{10} + x^2 + 1, \\
p_9(x) = & x^{134} + x^{126} + x^{122} + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{104} + x^{102} \\
& + x^{92} + x^{90} + x^{86} + x^{82} + x^{70} + x^{68} + x^{64} + x^{62} + x^{58} + x^{54} + x^{52} \\
& + x^{50} + x^{48} + x^{42} + x^{40} + x^{36} + x^{34} + x^{28} + x^{24} + x^{22} + x^{20} + x^{18} \\
& + x^8 + x^6, \\
p_{12}(x) = & x^{134} + x^{130} + x^{128} + x^{126} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{102} \\
& + x^{98} + x^{96} + x^{94} + x^{90} + x^{88} + x^{78} + x^{74} + x^{72} + x^{62} + x^{58} + x^{56} \\
& + x^{54} + x^{50} + x^{48} + x^{22} + x^{18} + x^{16} + x^{14} + x^{10} + x^8 + x^6 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{141} + x^{140} + x^{139} + x^{138} + x^{136} + x^{134} + x^{132} + x^{131} + x^{127} \\
& + x^{122} + x^{121} + x^{119} + x^{118} + x^{116} + x^{114} + x^{113} + x^{112} + x^{111} \\
& + x^{109} + x^{106} + x^{104} + x^{102} + x^{101} + x^{100} + x^{96} + x^{92} + x^{89} + x^{88} \\
& + x^{87} + x^{86} + x^{84} + x^{83} + x^{82} + x^{79} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} \\
& + x^{71} + x^{70} + x^{65} + x^{62} + x^{61} + x^{60} + x^{59} + x^{55} + x^{52} + x^{50} + x^{48} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{39}, \\
p_3(x) = & x^{143} + x^{141} + x^{137} + x^{135} + x^{127} + x^{119} + x^{117} + x^{115} + x^{113} + x^{111} \\
& + x^{109} + x^{105} + x^{103} + x^{101} + x^{99} + x^{97} + x^{93} + x^{91} + x^{89} + x^{87} \\
& + x^{79} + x^{67} + x^{61} + x^{57} + x^{53} + x^{51} + x^{49} + x^{47} + x^{37} + x^{33} + x^{31} \\
& + x^{27}, \\
p_6(x) = & x^{141} + x^{140} + x^{139} + x^{138} + x^{136} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} \\
& + x^{127} + x^{124} + x^{122} + x^{121} + x^{120} + x^{116} + x^{113} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{92} + x^{91} + x^{87} \\
& + x^{85} + x^{84} + x^{83} + x^{81} + x^{79} + x^{77} + x^{74} + x^{73} + x^{68} + x^{67} + x^{66} \\
& + x^{65} + x^{64} + x^{62} + x^{61} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} \\
& + x^{47} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} + x^{36} + x^{35} + x^{33} + x^{32} + x^{30} \\
& + x^{28} + x^{23} + x^{22} + x^{18}, \\
p_9(x) = & x^{139} + x^{135} + x^{133} + x^{123} + x^{121} + x^{119} + x^{109} + x^{107} + x^{99} + x^{91} \\
& + x^{79} + x^{77} + x^{71} + x^{69} + x^{65} + x^{59} + x^{55} + x^{53} + x^{47} + x^{33} + x^{29} \\
& + x^{23} + x^{21} + x^{15} + x^{13} + x^9, \\
p_{12}(x) = & x^{137} + x^{136} + x^{133} + x^{128} + x^{117} + x^{116} + x^{112} + x^{105} + x^{104} + x^{101} \\
& + x^{96} + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{53} + x^{52} + x^{48} + x^{25} \\
& + x^{24} + x^{21} + x^{16} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{141} + x^{140} + x^{139} + x^{138} + x^{136} + x^{134} + x^{132} + x^{131} + x^{127} \\
&\quad + x^{122} + x^{121} + x^{119} + x^{118} + x^{116} + x^{114} + x^{113} + x^{112} + x^{111} \\
&\quad + x^{109} + x^{106} + x^{104} + x^{102} + x^{101} + x^{100} + x^{96} + x^{92} + x^{89} + x^{88} \\
&\quad + x^{87} + x^{86} + x^{84} + x^{83} + x^{82} + x^{79} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} \\
&\quad + x^{71} + x^{70} + x^{65} + x^{62} + x^{61} + x^{60} + x^{59} + x^{55} + x^{52} + x^{50} + x^{48} \\
&\quad + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{39}, \\
p_3(x) &= x^{143} + x^{141} + x^{137} + x^{135} + x^{127} + x^{119} + x^{117} + x^{115} + x^{113} + x^{111} \\
&\quad + x^{109} + x^{105} + x^{103} + x^{101} + x^{99} + x^{97} + x^{93} + x^{91} + x^{89} + x^{87} \\
&\quad + x^{79} + x^{67} + x^{61} + x^{57} + x^{53} + x^{51} + x^{49} + x^{47} + x^{37} + x^{33} + x^{31} \\
&\quad + x^{27}, \\
p_6(x) &= x^{141} + x^{140} + x^{139} + x^{138} + x^{136} + x^{134} + x^{131} + x^{130} + x^{129} + x^{128} \\
&\quad + x^{127} + x^{124} + x^{122} + x^{121} + x^{120} + x^{116} + x^{113} + x^{112} + x^{108} \\
&\quad + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{97} + x^{95} + x^{92} + x^{91} + x^{87} \\
&\quad + x^{85} + x^{84} + x^{83} + x^{81} + x^{79} + x^{77} + x^{74} + x^{73} + x^{68} + x^{67} + x^{66} \\
&\quad + x^{65} + x^{64} + x^{62} + x^{61} + x^{59} + x^{58} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} \\
&\quad + x^{47} + x^{45} + x^{44} + x^{43} + x^{41} + x^{39} + x^{36} + x^{35} + x^{33} + x^{32} + x^{30} \\
&\quad + x^{28} + x^{23} + x^{22} + x^{18}, \\
p_9(x) &= x^{139} + x^{135} + x^{133} + x^{123} + x^{121} + x^{119} + x^{109} + x^{107} + x^{99} + x^{91} \\
&\quad + x^{79} + x^{77} + x^{71} + x^{69} + x^{65} + x^{59} + x^{55} + x^{53} + x^{47} + x^{33} + x^{29} \\
&\quad + x^{23} + x^{21} + x^{15} + x^{13} + x^9, \\
p_{12}(x) &= x^{137} + x^{136} + x^{133} + x^{128} + x^{117} + x^{116} + x^{112} + x^{105} + x^{104} + x^{101} \\
&\quad + x^{96} + x^{89} + x^{88} + x^{84} + x^{73} + x^{72} + x^{68} + x^{53} + x^{52} + x^{48} + x^{25} \\
&\quad + x^{24} + x^{21} + x^{16} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{144} + x^{130} + x^{126} + x^{120} + x^{112} + x^{110} + x^{108} + x^{102} + x^{98} + x^{96} \\
&\quad + x^{94} + x^{92} + x^{90} + x^{78} + x^{72} + x^{70} + x^{68} + x^{66} + x^{62} + x^{60} + x^{58} \\
&\quad + x^{54} + x^{46} + x^{44} + x^{42}, \\
p_3(x) &= x^{126} + x^{122} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} + x^{104} + x^{94} + x^{92} \\
&\quad + x^{90} + x^{84} + x^{80} + x^{78} + x^{76} + x^{70} + x^{66} + x^{64} + x^{62} + x^{56} + x^{54} \\
&\quad + x^{52} + x^{42} + x^{38} + x^{36} + x^{30} + x^{28} + x^{18}, \\
p_6(x) &= x^{136} + x^{132} + x^{126} + x^{120} + x^{118} + x^{116} + x^{114} + x^{110} + x^{104} + x^{102} \\
&\quad + x^{100} + x^{92} + x^{88} + x^{86} + x^{82} + x^{78} + x^{76} + x^{70} + x^{66} + x^{62} + x^{60} \\
&\quad + x^{54} + x^{50} + x^{44} + x^{40} + x^{38} + x^{32} + x^{20} + x^{16} + x^{12} + x^6 + x^4 + x^2
\end{aligned}$$

$$\begin{aligned}
& + 1, \\
p_9(x) &= x^{140} + x^{138} + x^{132} + x^{124} + x^{122} + x^{118} + x^{112} + x^{106} + x^{102} + x^{94} \\
& + x^{92} + x^{90} + x^{88} + x^{86} + x^{68} + x^{66} + x^{58} + x^{50} + x^{46} + x^{44} + x^{42} \\
& + x^{40} + x^{38} + x^{34} + x^{32} + x^{30} + x^{26} + x^{20} + x^{18} + x^{16} + x^{12} + x^{10} \\
& + x^8 + x^6, \\
p_{12}(x) &= x^{140} + x^{138} + x^{136} + x^{124} + x^{122} + x^{120} + x^{116} + x^{114} + x^{112} + x^{108} \\
& + x^{106} + x^{104} + x^{84} + x^{82} + x^{80} + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} \\
& + x^{52} + x^{50} + x^{48} + x^{28} + x^{26} + x^{24} + x^{12} + x^{10} + x^8 + x^4 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{144} + x^{140} + x^{139} + x^{135} + x^{132} + x^{128} + x^{126} + x^{125} \\
& + x^{123} + x^{121} + x^{118} + x^{117} + x^{116} + x^{115} + x^{113} + x^{112} + x^{108} \\
& + x^{106} + x^{105} + x^{102} + x^{98} + x^{97} + x^{94} + x^{93} + x^{91} + x^{89} + x^{83} + x^{82} \\
& + x^{80} + x^{79} + x^{76} + x^{75} + x^{73} + x^{71} + x^{69} + x^{64} + x^{62} + x^{61} + x^{59} \\
& + x^{58} + x^{57} + x^{53} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{42} + x^{41} + x^{38} \\
& + x^{36}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
& + x^{125} + x^{120} + x^{119} + x^{117} + x^{113} + x^{112} + x^{111} + x^{106} + x^{104} \\
& + x^{103} + x^{100} + x^{97} + x^{95} + x^{94} + x^{91} + x^{90} + x^{89} + x^{85} + x^{81} + x^{78} \\
& + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} + x^{69} + x^{67} + x^{64} + x^{63} + x^{60} \\
& + x^{58} + x^{57} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{44} \\
& + x^{39} + x^{38} + x^{37} + x^{35} + x^{29} + x^{28} + x^{26} + x^{24}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{138} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{128} \\
& + x^{125} + x^{123} + x^{121} + x^{119} + x^{118} + x^{116} + x^{114} + x^{113} + x^{112} \\
& + x^{110} + x^{108} + x^{105} + x^{103} + x^{101} + x^{99} + x^{96} + x^{95} + x^{94} + x^{91} \\
& + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{78} + x^{71} + x^{70} + x^{69} + x^{67} \\
& + x^{66} + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} \\
& + x^{52} + x^{49} + x^{47} + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} + x^{35} + x^{34} + x^{29} \\
& + x^{28} + x^{27} + x^{23} + x^{21} + x^{17} + x^{14} + x^{12} + x^5 + x^4 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{140} + x^{129} + x^{128} + x^{124} + x^{113} + x^{112} + x^{108} + x^{65} \\
& + x^{64} + x^{60} + x^{33} + x^{32} + x^{28} + x^{17} + x^{16} + x^{12}, \\
p_{12}(x) &= x^{145} + x^{144} + x^{140} + x^{137} + x^{136} + x^{133} + x^{129} + x^{124} + x^{117} + x^{116} \\
& + x^{113} + x^{108} + x^{105} + x^{104} + x^{101} + x^{96} + x^{89} + x^{88} + x^{84} + x^{73} \\
& + x^{72} + x^{68} + x^{65} + x^{64} + x^{60} + x^{53} + x^{52} + x^{48} + x^{33} + x^{32} + x^{28} \\
& + x^{25} + x^{24} + x^{21} + x^{17} + x^{12} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{150} + x^{149} + x^{147} + x^{146} + x^{144} + x^{143} + x^{141} + x^{138} + x^{136} \\
&\quad + x^{135} + x^{134} + x^{132} + x^{131} + x^{130} + x^{128} + x^{127} + x^{124} + x^{122} \\
&\quad + x^{121} + x^{120} + x^{118} + x^{113} + x^{112} + x^{111} + x^{109} + x^{107} + x^{103} \\
&\quad + x^{102} + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{91} + x^{88} + x^{86} + x^{85} \\
&\quad + x^{82} + x^{81} + x^{80} + x^{78} + x^{77} + x^{73} + x^{72} + x^{70} + x^{68} + x^{63} + x^{61} \\
&\quad + x^{55} + x^{54} + x^{47} + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{39}, \\
p_3(x) &= x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{132} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{128} + x^{126} + x^{124} + x^{121} + x^{120} + x^{118} + x^{117} + x^{115} + x^{114} \\
&\quad + x^{112} + x^{111} + x^{109} + x^{108} + x^{106} + x^{105} + x^{103} + x^{101} + x^{96} + x^{95} \\
&\quad + x^{94} + x^{93} + x^{92} + x^{89} + x^{87} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{78} \\
&\quad + x^{76} + x^{73} + x^{72} + x^{68} + x^{66} + x^{65} + x^{64} + x^{61} + x^{59} + x^{56} + x^{55} \\
&\quad + x^{54} + x^{53} + x^{52} + x^{49} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{37} \\
&\quad + x^{35} + x^{32} + x^{31} + x^{27}, \\
p_6(x) &= x^{144} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{128} + x^{122} + x^{120} + x^{112} \\
&\quad + x^{108} + x^{106} + x^{104} + x^{98} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} \\
&\quad + x^{76} + x^{74} + x^{70} + x^{66} + x^{60} + x^{58} + x^{52} + x^{48} + x^{46} + x^{42} + x^{38} \\
&\quad + x^{32} + x^{30} + x^{28} + x^{26} + x^{22} + x^{18}, \\
p_9(x) &= x^{146} + x^{145} + x^{141} + x^{138} + x^{137} + x^{134} + x^{129} + x^{126} + x^{125} + x^{121} \\
&\quad + x^{114} + x^{113} + x^{109} + x^{106} + x^{105} + x^{102} + x^{98} + x^{94} + x^{90} + x^{86} \\
&\quad + x^{82} + x^{78} + x^{74} + x^{70} + x^{65} + x^{62} + x^{61} + x^{57} + x^{34} + x^{33} + x^{29} \\
&\quad + x^{26} + x^{25} + x^{22} + x^{17} + x^{14} + x^{13} + x^9, \\
p_{12}(x) &= x^{148} + x^{144} + x^{132} + x^{124} + x^{120} + x^{96} + x^{92} + x^{88} + x^{84} + x^{76} + x^{72} \\
&\quad + x^{64} + x^{60} + x^{56} + x^{52} + x^{48} + x^{36} + x^{32} + x^{20} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{148} + x^{145} + x^{143} + x^{141} + x^{139} + x^{135} + x^{134} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{128} + x^{124} + x^{123} + x^{121} + x^{119} + x^{118} + x^{116} + x^{114} + x^{113} \\
&\quad + x^{112} + x^{111} + x^{110} + x^{107} + x^{106} + x^{104} + x^{101} + x^{97} + x^{96} + x^{94} \\
&\quad + x^{93} + x^{91} + x^{86} + x^{85} + x^{83} + x^{81} + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} \\
&\quad + x^{72} + x^{71} + x^{68} + x^{66} + x^{63} + x^{62} + x^{61} + x^{59} + x^{57} + x^{56} + x^{53} \\
&\quad + x^{45} + x^{44} + x^{42} + x^{41} + x^{40} + x^{39}, \\
p_3(x) &= x^{146} + x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{138} + x^{135} + x^{133} + x^{132} \\
&\quad + x^{131} + x^{128} + x^{126} + x^{125} + x^{124} + x^{121} + x^{119} + x^{118} + x^{117}
\end{aligned}$$

$$\begin{aligned}
& + x^{113} + x^{108} + x^{107} + x^{106} + x^{105} + x^{104} + x^{101} + x^{99} + x^{98} + x^{97} \\
& + x^{94} + x^{92} + x^{91} + x^{90} + x^{87} + x^{85} + x^{84} + x^{83} + x^{80} + x^{78} + x^{77} \\
& + x^{76} + x^{74} + x^{72} + x^{69} + x^{68} + x^{66} + x^{65} + x^{63} + x^{61} + x^{58} + x^{57} \\
& + x^{54} + x^{52} + x^{51} + x^{50} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{41} + x^{39} \\
& + x^{37} + x^{32} + x^{31} + x^{27}, \\
p_6(x) &= x^{148} + x^{146} + x^{140} + x^{130} + x^{124} + x^{122} + x^{116} + x^{112} + x^{110} + x^{106} \\
& + x^{104} + x^{100} + x^{98} + x^{94} + x^{90} + x^{88} + x^{86} + x^{80} + x^{72} + x^{62} + x^{48} \\
& + x^{46} + x^{44} + x^{42} + x^{40} + x^{36} + x^{32} + x^{28} + x^{22} + x^{18}, \\
p_9(x) &= x^{150} + x^{149} + x^{146} + x^{141} + x^{138} + x^{137} + x^{133} + x^{126} + x^{125} + x^{121} \\
& + x^{118} + x^{117} + x^{114} + x^{109} + x^{106} + x^{105} + x^{102} + x^{98} + x^{94} + x^{90} \\
& + x^{86} + x^{82} + x^{78} + x^{74} + x^{69} + x^{62} + x^{61} + x^{57} + x^{38} + x^{37} + x^{34} \\
& + x^{29} + x^{26} + x^{25} + x^{21} + x^{14} + x^{13} + x^9, \\
p_{12}(x) &= x^{152} + x^{120} + x^{116} + x^{112} + x^{104} + x^{88} + x^{84} + x^{80} + x^{68} + x^{64} + x^{52} \\
& + x^{48} + x^{40} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{143} + x^{141} + x^{137} + x^{136} + x^{133} + x^{124} + x^{121} + x^{117} + x^{116} \\
& + x^{115} + x^{114} + x^{113} + x^{106} + x^{104} + x^{103} + x^{101} + x^{99} + x^{98} + x^{95} \\
& + x^{94} + x^{91} + x^{87} + x^{85} + x^{83} + x^{79} + x^{78} + x^{77} + x^{76} + x^{73} + x^{71} \\
& + x^{67} + x^{65} + x^{64} + x^{63} + x^{58} + x^{57} + x^{55} + x^{54} + x^{53} + x^{50} + x^{46} \\
& + x^{42}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{139} + x^{133} + x^{132} + x^{131} + x^{130} \\
& + x^{129} + x^{124} + x^{121} + x^{120} + x^{119} + x^{117} + x^{116} + x^{115} + x^{114} \\
& + x^{111} + x^{110} + x^{108} + x^{107} + x^{104} + x^{103} + x^{102} + x^{101} + x^{99} + x^{98} \\
& + x^{97} + x^{96} + x^{95} + x^{88} + x^{86} + x^{85} + x^{84} + x^{81} + x^{78} + x^{77} + x^{75} \\
& + x^{74} + x^{72} + x^{70} + x^{67} + x^{63} + x^{60} + x^{59} + x^{57} + x^{55} + x^{53} + x^{52} \\
& + x^{46} + x^{39} + x^{38} + x^{37} + x^{34} + x^{30} + x^{26}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{139} + x^{135} + x^{132} + x^{131} + x^{130} \\
& + x^{127} + x^{125} + x^{123} + x^{122} + x^{120} + x^{119} + x^{118} + x^{114} + x^{113} \\
& + x^{112} + x^{110} + x^{109} + x^{102} + x^{101} + x^{100} + x^{96} + x^{94} + x^{93} + x^{92} \\
& + x^{89} + x^{86} + x^{85} + x^{83} + x^{80} + x^{78} + x^{77} + x^{74} + x^{72} + x^{71} + x^{70} \\
& + x^{69} + x^{60} + x^{59} + x^{57} + x^{51} + x^{50} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} \\
& + x^{37} + x^{34} + x^{30} + x^{27} + x^{24} + x^{22} + x^{21} + x^{18} + x^{16} + x^{14} + x^5 \\
& + x^4 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{140} + x^{129} + x^{128} + x^{124} + x^{113} + x^{112} + x^{108} + x^{65}
\end{aligned}$$

$$\begin{aligned}
& + x^{64} + x^{60} + x^{33} + x^{32} + x^{28} + x^{17} + x^{16} + x^{12}, \\
p_{12}(x) = & x^{145} + x^{144} + x^{140} + x^{137} + x^{136} + x^{133} + x^{129} + x^{124} + x^{117} + x^{116} \\
& + x^{113} + x^{108} + x^{105} + x^{104} + x^{101} + x^{96} + x^{89} + x^{88} + x^{84} + x^{73} \\
& + x^{72} + x^{68} + x^{65} + x^{64} + x^{60} + x^{53} + x^{52} + x^{48} + x^{33} + x^{32} + x^{28} \\
& + x^{25} + x^{24} + x^{21} + x^{17} + x^{12} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{144} + x^{140} + x^{139} + x^{135} + x^{132} + x^{128} + x^{126} + x^{125} \\
& + x^{123} + x^{121} + x^{118} + x^{117} + x^{116} + x^{115} + x^{113} + x^{112} + x^{108} \\
& + x^{106} + x^{105} + x^{102} + x^{98} + x^{97} + x^{94} + x^{93} + x^{91} + x^{89} + x^{83} + x^{82} \\
& + x^{80} + x^{79} + x^{76} + x^{75} + x^{73} + x^{71} + x^{69} + x^{64} + x^{62} + x^{61} + x^{59} \\
& + x^{58} + x^{57} + x^{53} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{42} + x^{41} + x^{38} \\
& + x^{36}, \\
p_3(x) = & x^{145} + x^{144} + x^{143} + x^{138} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{129} \\
& + x^{125} + x^{120} + x^{119} + x^{117} + x^{113} + x^{112} + x^{111} + x^{106} + x^{104} \\
& + x^{103} + x^{100} + x^{97} + x^{95} + x^{94} + x^{91} + x^{90} + x^{89} + x^{85} + x^{81} + x^{78} \\
& + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{70} + x^{69} + x^{67} + x^{64} + x^{63} + x^{60} \\
& + x^{58} + x^{57} + x^{55} + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{44} \\
& + x^{39} + x^{38} + x^{37} + x^{35} + x^{29} + x^{28} + x^{26} + x^{24}, \\
p_6(x) = & x^{145} + x^{144} + x^{143} + x^{138} + x^{137} + x^{135} + x^{134} + x^{133} + x^{132} + x^{128} \\
& + x^{125} + x^{123} + x^{121} + x^{119} + x^{118} + x^{116} + x^{114} + x^{113} + x^{112} \\
& + x^{110} + x^{108} + x^{105} + x^{103} + x^{101} + x^{99} + x^{96} + x^{95} + x^{94} + x^{91} \\
& + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{78} + x^{71} + x^{70} + x^{69} + x^{67} \\
& + x^{66} + x^{65} + x^{64} + x^{62} + x^{61} + x^{60} + x^{58} + x^{57} + x^{56} + x^{54} + x^{53} \\
& + x^{52} + x^{49} + x^{47} + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} + x^{35} + x^{34} + x^{29} \\
& + x^{28} + x^{27} + x^{23} + x^{21} + x^{17} + x^{14} + x^{12} + x^5 + x^4 + 1, \\
p_9(x) = & x^{145} + x^{144} + x^{140} + x^{129} + x^{128} + x^{124} + x^{113} + x^{112} + x^{108} + x^{65} \\
& + x^{64} + x^{60} + x^{33} + x^{32} + x^{28} + x^{17} + x^{16} + x^{12}, \\
p_{12}(x) = & x^{145} + x^{144} + x^{140} + x^{137} + x^{136} + x^{133} + x^{129} + x^{124} + x^{117} + x^{116} \\
& + x^{113} + x^{108} + x^{105} + x^{104} + x^{101} + x^{96} + x^{89} + x^{88} + x^{84} + x^{73} \\
& + x^{72} + x^{68} + x^{65} + x^{64} + x^{60} + x^{53} + x^{52} + x^{48} + x^{33} + x^{32} + x^{28} \\
& + x^{25} + x^{24} + x^{21} + x^{17} + x^{12} + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$p_0(x) = x^{148} + x^{145} + x^{143} + x^{141} + x^{139} + x^{135} + x^{134} + x^{131} + x^{130} + x^{129}$$

$$\begin{aligned}
& + x^{128} + x^{124} + x^{123} + x^{121} + x^{119} + x^{118} + x^{116} + x^{114} + x^{113} \\
& + x^{112} + x^{111} + x^{110} + x^{107} + x^{106} + x^{104} + x^{101} + x^{97} + x^{96} + x^{94} \\
& + x^{93} + x^{91} + x^{86} + x^{85} + x^{83} + x^{81} + x^{79} + x^{77} + x^{76} + x^{75} + x^{74} \\
& + x^{72} + x^{71} + x^{68} + x^{66} + x^{63} + x^{62} + x^{61} + x^{59} + x^{57} + x^{56} + x^{53} \\
& + x^{45} + x^{44} + x^{42} + x^{41} + x^{40} + x^{39}, \\
p_3(x) = & x^{146} + x^{145} + x^{144} + x^{143} + x^{142} + x^{140} + x^{138} + x^{135} + x^{133} + x^{132} \\
& + x^{131} + x^{128} + x^{126} + x^{125} + x^{124} + x^{121} + x^{119} + x^{118} + x^{117} \\
& + x^{113} + x^{108} + x^{107} + x^{106} + x^{105} + x^{104} + x^{101} + x^{99} + x^{98} + x^{97} \\
& + x^{94} + x^{92} + x^{91} + x^{90} + x^{87} + x^{85} + x^{84} + x^{83} + x^{80} + x^{78} + x^{77} \\
& + x^{76} + x^{74} + x^{72} + x^{69} + x^{68} + x^{66} + x^{65} + x^{63} + x^{61} + x^{58} + x^{57} \\
& + x^{54} + x^{52} + x^{51} + x^{50} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} + x^{41} + x^{39} \\
& + x^{37} + x^{32} + x^{31} + x^{27}, \\
p_6(x) = & x^{148} + x^{146} + x^{140} + x^{130} + x^{124} + x^{122} + x^{116} + x^{112} + x^{110} + x^{106} \\
& + x^{104} + x^{100} + x^{98} + x^{94} + x^{90} + x^{88} + x^{86} + x^{80} + x^{72} + x^{62} + x^{48} \\
& + x^{46} + x^{44} + x^{42} + x^{40} + x^{36} + x^{32} + x^{28} + x^{22} + x^{18}, \\
p_9(x) = & x^{150} + x^{149} + x^{146} + x^{141} + x^{138} + x^{137} + x^{133} + x^{126} + x^{125} + x^{121} \\
& + x^{118} + x^{117} + x^{114} + x^{109} + x^{106} + x^{105} + x^{102} + x^{98} + x^{94} + x^{90} \\
& + x^{86} + x^{82} + x^{78} + x^{74} + x^{69} + x^{62} + x^{61} + x^{57} + x^{38} + x^{37} + x^{34} \\
& + x^{29} + x^{26} + x^{25} + x^{21} + x^{14} + x^{13} + x^9, \\
p_{12}(x) = & x^{152} + x^{120} + x^{116} + x^{112} + x^{104} + x^{88} + x^{84} + x^{80} + x^{68} + x^{64} + x^{52} \\
& + x^{48} + x^{40} + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{150} + x^{149} + x^{147} + x^{146} + x^{144} + x^{143} + x^{141} + x^{138} + x^{136} \\
& + x^{135} + x^{134} + x^{132} + x^{131} + x^{130} + x^{128} + x^{127} + x^{124} + x^{122} \\
& + x^{121} + x^{120} + x^{118} + x^{113} + x^{112} + x^{111} + x^{109} + x^{107} + x^{103} \\
& + x^{102} + x^{101} + x^{100} + x^{97} + x^{96} + x^{95} + x^{94} + x^{91} + x^{88} + x^{86} + x^{85} \\
& + x^{82} + x^{81} + x^{80} + x^{78} + x^{77} + x^{73} + x^{72} + x^{70} + x^{68} + x^{63} + x^{61} \\
& + x^{55} + x^{54} + x^{47} + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{39}, \\
p_3(x) = & x^{142} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{132} + x^{131} + x^{130} + x^{129} \\
& + x^{128} + x^{126} + x^{124} + x^{121} + x^{120} + x^{118} + x^{117} + x^{115} + x^{114} \\
& + x^{112} + x^{111} + x^{109} + x^{108} + x^{106} + x^{105} + x^{103} + x^{101} + x^{96} + x^{95} \\
& + x^{94} + x^{93} + x^{92} + x^{89} + x^{87} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{78} \\
& + x^{76} + x^{73} + x^{72} + x^{68} + x^{66} + x^{65} + x^{64} + x^{61} + x^{59} + x^{56} + x^{55} \\
& + x^{54} + x^{53} + x^{52} + x^{49} + x^{47} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{37}
\end{aligned}$$

$$\begin{aligned}
& + x^{35} + x^{32} + x^{31} + x^{27}, \\
p_6(x) &= x^{144} + x^{142} + x^{140} + x^{138} + x^{136} + x^{132} + x^{128} + x^{122} + x^{120} + x^{112} \\
& + x^{108} + x^{106} + x^{104} + x^{98} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{82} + x^{80} \\
& + x^{76} + x^{74} + x^{70} + x^{66} + x^{60} + x^{58} + x^{52} + x^{48} + x^{46} + x^{42} + x^{38} \\
& + x^{32} + x^{30} + x^{28} + x^{26} + x^{22} + x^{18}, \\
p_9(x) &= x^{146} + x^{145} + x^{141} + x^{138} + x^{137} + x^{134} + x^{129} + x^{126} + x^{125} + x^{121} \\
& + x^{114} + x^{113} + x^{109} + x^{106} + x^{105} + x^{102} + x^{98} + x^{94} + x^{90} + x^{86} \\
& + x^{82} + x^{78} + x^{74} + x^{70} + x^{65} + x^{62} + x^{61} + x^{57} + x^{34} + x^{33} + x^{29} \\
& + x^{26} + x^{25} + x^{22} + x^{17} + x^{14} + x^{13} + x^9, \\
p_{12}(x) &= x^{148} + x^{144} + x^{132} + x^{124} + x^{120} + x^{96} + x^{92} + x^{88} + x^{84} + x^{76} + x^{72} \\
& + x^{64} + x^{60} + x^{56} + x^{52} + x^{48} + x^{36} + x^{32} + x^{20} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{143} + x^{141} + x^{137} + x^{136} + x^{133} + x^{124} + x^{121} + x^{117} + x^{116} \\
& + x^{115} + x^{114} + x^{113} + x^{106} + x^{104} + x^{103} + x^{101} + x^{99} + x^{98} + x^{95} \\
& + x^{94} + x^{91} + x^{87} + x^{85} + x^{83} + x^{79} + x^{78} + x^{77} + x^{76} + x^{73} + x^{71} \\
& + x^{67} + x^{65} + x^{64} + x^{63} + x^{58} + x^{57} + x^{55} + x^{54} + x^{53} + x^{50} + x^{46} \\
& + x^{42}, \\
p_3(x) &= x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{139} + x^{133} + x^{132} + x^{131} + x^{130} \\
& + x^{129} + x^{124} + x^{121} + x^{120} + x^{119} + x^{117} + x^{116} + x^{115} + x^{114} \\
& + x^{111} + x^{110} + x^{108} + x^{107} + x^{104} + x^{103} + x^{102} + x^{101} + x^{99} + x^{98} \\
& + x^{97} + x^{96} + x^{95} + x^{88} + x^{86} + x^{85} + x^{84} + x^{81} + x^{78} + x^{77} + x^{75} \\
& + x^{74} + x^{72} + x^{70} + x^{67} + x^{63} + x^{60} + x^{59} + x^{57} + x^{55} + x^{53} + x^{52} \\
& + x^{46} + x^{39} + x^{38} + x^{37} + x^{34} + x^{30} + x^{26}, \\
p_6(x) &= x^{145} + x^{144} + x^{143} + x^{141} + x^{140} + x^{139} + x^{135} + x^{132} + x^{131} + x^{130} \\
& + x^{127} + x^{125} + x^{123} + x^{122} + x^{120} + x^{119} + x^{118} + x^{114} + x^{113} \\
& + x^{112} + x^{110} + x^{109} + x^{102} + x^{101} + x^{100} + x^{96} + x^{94} + x^{93} + x^{92} \\
& + x^{89} + x^{86} + x^{85} + x^{83} + x^{80} + x^{78} + x^{77} + x^{74} + x^{72} + x^{71} + x^{70} \\
& + x^{69} + x^{60} + x^{59} + x^{57} + x^{51} + x^{50} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} \\
& + x^{37} + x^{34} + x^{30} + x^{27} + x^{24} + x^{22} + x^{21} + x^{18} + x^{16} + x^{14} + x^5 \\
& + x^4 + 1, \\
p_9(x) &= x^{145} + x^{144} + x^{140} + x^{129} + x^{128} + x^{124} + x^{113} + x^{112} + x^{108} + x^{65} \\
& + x^{64} + x^{60} + x^{33} + x^{32} + x^{28} + x^{17} + x^{16} + x^{12}, \\
p_{12}(x) &= x^{145} + x^{144} + x^{140} + x^{137} + x^{136} + x^{133} + x^{129} + x^{124} + x^{117} + x^{116} \\
& + x^{113} + x^{108} + x^{105} + x^{104} + x^{101} + x^{96} + x^{89} + x^{88} + x^{84} + x^{73}
\end{aligned}$$

$$\begin{aligned}
& + x^{72} + x^{68} + x^{65} + x^{64} + x^{60} + x^{53} + x^{52} + x^{48} + x^{33} + x^{32} + x^{28} \\
& + x^{25} + x^{24} + x^{21} + x^{17} + x^{12} + x^5 + x^4 + 1,
\end{aligned}$$

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

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]	3329	[5524, 5525]	6658	[1334, 9216]	9987	[11048, 6070]
1	[3, 4]	3330	[5526, 5527]	6659	[9217, 5165]	9988	[2601, 11382]
2	[5, 6]	3331	[5528, 5529]	6660	[3812, 3816]	9989	[10652, 11638]
3	[7, 8]	3332	[5530, 5531]	6661	[9218, 124]	9990	[11639, 11031]
4	[9, 10]	3333	[5532, 5481]	6662	[9219, 9220]	9991	[7509, 5458]
5	[11, 12]	3334	[2588, 5533]	6663	[9221, 387]	9992	[6841, 5551]
6	[13, 14]	3335	[5534, 2348]	6664	[9222, 93]	9993	[11640, 11143]
7	[15, 16]	3336	[5535, 5536]	6665	[9223, 9224]	9994	[6649, 11641]
8	[17, 18]	3337	[5537, 5538]	6666	[8348, 4876]	9995	[2790, 7038]
9	[19, 20]	3338	[2293, 5528]	6667	[7966, 9225]	9996	[10872, 11210]
10	[21, 22]	3339	[557, 5539]	6668	[9226, 4194]	9997	[6821, 11620]
11	[23, 24]	3340	[1835, 5540]	6669	[9227, 7709]	9998	[526, 6080]
12	[25, 26]	3341	[5450, 5541]	6670	[9228, 8279]	9999	[11263, 7022]
13	[27, 28]	3342	[5542, 5543]	6671	[9229, 5277]	10000	[11642, 11643]
14	[29, 30]	3343	[5544, 5545]	6672	[9230, 3587]	10001	[11644, 902]
15	[31, 32]	3344	[754, 5546]	6673	[9231, 8972]	10002	[2667, 693]
16	[33, 34]	3345	[5452, 5547]	6674	[9232, 9233]	10003	[10291, 561]
17	[35, 36]	3346	[5548, 2188]	6675	[9234, 9235]	10004	[5734, 10602]
18	[37, 38]	3347	[5549, 5550]	6676	[9236, 123]	10005	[10444, 11222]
19	[39, 40]	3348	[5551, 5552]	6677	[9237, 1457]	10006	[2030, 1982]
20	[41, 42]	3349	[5553, 5554]	6678	[9238, 1477]	10007	[537, 2347]
21	[43, 44]	3350	[5555, 5556]	6679	[956, 3406]	10008	[743, 11645]
22	[45, 46]	3351	[795, 5557]	6680	[9239, 1225]	10009	[551, 11646]
23	[47, 48]	3352	[5558, 2863]	6681	[3261, 9240]	10010	[10432, 6180]
24	[49, 50]	3353	[5559, 5560]	6682	[9241, 4262]	10011	[3022, 10436]
25	[51, 52]	3354	[5561, 2320]	6683	[9242, 8934]	10012	[6507, 11647]
26	[53, 54]	3355	[5562, 5563]	6684	[1258, 471]	10013	[11648, 7363]
27	[55, 56]	3356	[5564, 5565]	6685	[9243, 8975]	10014	[7279, 625]
28	[57, 58]	3357	[5566, 5567]	6686	[8722, 7834]	10015	[11629, 11649]
29	[59, 60]	3358	[5568, 1948]	6687	[9244, 7688]	10016	[10268, 5310]
30	[61, 62]	3359	[5569, 5570]	6688	[9245, 9246]	10017	[7305, 11650]
31	[63, 64]	3360	[5571, 5572]	6689	[9247, 3604]	10018	[10681, 7505]
32	[65, 66]	3361	[3036, 5573]	6690	[8186, 4771]	10019	[10769, 6112]
33	[67, 68]	3362	[5574, 5575]	6691	[9248, 4293]	10020	[6765, 11634]
34	[69, 70]	3363	[712, 5576]	6692	[1414, 4239]	10021	[10784, 11651]
35	[71, 72]	3364	[5577, 5429]	6693	[9249, 9250]	10022	[7216, 5896]

36	[73, 74]	3365	[5578, 5579]	6694	[9251, 3260]	10023	[10715, 11652]
37	[75, 76]	3366	[5580, 5581]	6695	[9252, 9253]	10024	[2296, 7347]
38	[74, 77]	3367	[2205, 5582]	6696	[5111, 7753]	10025	[11653, 11654]
39	[78, 79]	3368	[5583, 5584]	6697	[9254, 9255]	10026	[7347, 2125]
40	[80, 81]	3369	[2314, 692]	6698	[9256, 3412]	10027	[6543, 198]
41	[82, 83]	3370	[2316, 5585]	6699	[8323, 5207]	10028	[697, 2683]
42	[84, 85]	3371	[5586, 139]	6700	[9257, 7943]	10029	[11443, 2643]
43	[86, 87]	3372	[5587, 5588]	6701	[9258, 1483]	10030	[11655, 2248]
44	[88, 89]	3373	[5589, 2847]	6702	[9259, 9260]	10031	[5679, 11633]
45	[90, 91]	3374	[5590, 1847]	6703	[9261, 8189]	10032	[2967, 11431]
46	[92, 93]	3375	[5591, 5592]	6704	[9262, 4728]	10033	[11656, 7593]
47	[94, 95]	3376	[504, 5593]	6705	[9263, 8413]	10034	[5360, 11253]
48	[96, 97]	3377	[5594, 5595]	6706	[9264, 9265]	10035	[11657, 2296]
49	[98, 99]	3378	[5596, 5597]	6707	[9266, 8018]	10036	[6740, 2845]
50	[100, 101]	3379	[5598, 5599]	6708	[9267, 1442]	10037	[5924, 617]
51	[102, 103]	3380	[5600, 781]	6709	[9268, 3201]	10038	[10593, 11658]
52	[104, 105]	3381	[5601, 5602]	6710	[4230, 9107]	10039	[10323, 6924]
53	[106, 107]	3382	[5603, 5604]	6711	[9269, 8653]	10040	[11659, 6884]
54	[108, 109]	3383	[5605, 3013]	6712	[9270, 9271]	10041	[10616, 7168]
55	[110, 111]	3384	[5606, 5607]	6713	[9272, 18]	10042	[5422, 11660]
56	[112, 113]	3385	[5608, 2195]	6714	[9273, 8408]	10043	[2985, 11661]
57	[114, 115]	3386	[5609, 5610]	6715	[9274, 8860]	10044	[7616, 858]
58	[116, 117]	3387	[2871, 5611]	6716	[9275, 9276]	10045	[11662, 11663]
59	[118, 119]	3388	[5612, 5613]	6717	[4592, 9277]	10046	[7135, 11566]
60	[120, 121]	3389	[5614, 5615]	6718	[1147, 4995]	10047	[11664, 10396]
61	[122, 123]	3390	[5616, 5617]	6719	[9278, 9279]	10048	[2398, 11665]
62	[124, 125]	3391	[5618, 5619]	6720	[9280, 3440]	10049	[2614, 11666]
63	[126, 127]	3392	[5620, 2136]	6721	[1625, 8696]	10050	[11667, 57]
64	[128, 129]	3393	[2696, 2955]	6722	[4291, 9281]	10051	[11668, 780]
65	[130, 131]	3394	[5621, 1832]	6723	[9282, 370]	10052	[204, 11669]
66	[132, 133]	3395	[2636, 2329]	6724	[9283, 8606]	10053	[10701, 10633]
67	[134, 135]	3396	[693, 5622]	6725	[9284, 8094]	10054	[7274, 662]
68	[136, 137]	3397	[5623, 5624]	6726	[9285, 3865]	10055	[7337, 11626]
69	[138, 139]	3398	[2255, 611]	6727	[4198, 5206]	10056	[11670, 10840]
70	[140, 141]	3399	[5625, 5626]	6728	[3607, 1324]	10057	[11671, 11162]
71	[142, 143]	3400	[2522, 5627]	6729	[3810, 9286]	10058	[10841, 5394]
72	[144, 145]	3401	[2061, 5384]	6730	[298, 4651]	10059	[11672, 7553]
73	[146, 147]	3402	[5628, 2584]	6731	[9287, 1505]	10060	[11673, 11268]
74	[148, 149]	3403	[5629, 770]	6732	[3311, 9288]	10061	[10281, 10514]
75	[150, 151]	3404	[5426, 5630]	6733	[9289, 4554]	10062	[11606, 6957]
76	[152, 153]	3405	[5631, 807]	6734	[9253, 9290]	10063	[11674, 6492]
77	[147, 154]	3406	[5632, 5633]	6735	[989, 9291]	10064	[7257, 10997]
78	[155, 156]	3407	[1953, 5634]	6736	[4793, 3906]	10065	[2481, 3104]
79	[157, 158]	3408	[5635, 5636]	6737	[9292, 3212]	10066	[11675, 7126]

80	[159, 160]	3409	[5570, 2508]	6738	[9293, 1511]	10067	[11676, 5456]
81	[161, 162]	3410	[5637, 2934]	6739	[9294, 9295]	10068	[11677, 10302]
82	[163, 164]	3411	[5638, 2227]	6740	[9296, 3206]	10069	[11678, 581]
83	[165, 166]	3412	[5639, 5640]	6741	[9297, 4416]	10070	[10861, 6634]
84	[167, 168]	3413	[5641, 5642]	6742	[9298, 9299]	10071	[10405, 11679]
85	[169, 170]	3414	[5643, 5644]	6743	[1463, 1281]	10072	[10698, 943]
86	[171, 172]	3415	[5645, 5646]	6744	[4973, 4048]	10073	[2177, 7331]
87	[173, 174]	3416	[1926, 5647]	6745	[9300, 4851]	10074	[11680, 2685]
88	[175, 176]	3417	[2878, 5648]	6746	[9301, 8184]	10075	[904, 2416]
89	[50, 177]	3418	[5649, 3039]	6747	[977, 1105]	10076	[11676, 129]
90	[178, 179]	3419	[2374, 5650]	6748	[7661, 8254]	10077	[52, 11681]
91	[180, 181]	3420	[3074, 5651]	6749	[8247, 4717]	10078	[2591, 11613]
92	[182, 183]	3421	[5652, 5653]	6750	[9302, 9303]	10079	[5908, 10669]
93	[184, 185]	3422	[5654, 5655]	6751	[9304, 1738]	10080	[7547, 6919]
94	[186, 187]	3423	[911, 5517]	6752	[9305, 9306]	10081	[625, 11682]
95	[188, 189]	3424	[5656, 5657]	6753	[77, 8451]	10082	[10437, 6284]
96	[190, 191]	3425	[5658, 5659]	6754	[9307, 8682]	10083	[1832, 2215]
97	[192, 193]	3426	[5469, 5660]	6755	[7654, 8299]	10084	[6339, 2982]
98	[194, 195]	3427	[5661, 5662]	6756	[9308, 8181]	10085	[11462, 11683]
99	[196, 197]	3428	[5624, 5663]	6757	[3639, 1647]	10086	[2772, 11684]
100	[198, 199]	3429	[5407, 2420]	6758	[9309, 7699]	10087	[11553, 5813]
101	[200, 201]	3430	[2234, 5664]	6759	[5118, 4932]	10088	[2744, 10194]
102	[202, 203]	3431	[5665, 5666]	6760	[9310, 4788]	10089	[11685, 7167]
103	[204, 205]	3432	[5667, 5668]	6761	[1666, 8105]	10090	[10595, 7344]
104	[206, 207]	3433	[5669, 2751]	6762	[8445, 9311]	10091	[10524, 11558]
105	[208, 209]	3434	[5670, 5671]	6763	[4594, 9312]	10092	[6587, 11686]
106	[210, 211]	3435	[5672, 2286]	6764	[8128, 1345]	10093	[11172, 6979]
107	[212, 213]	3436	[5673, 5674]	6765	[4629, 9313]	10094	[7513, 10603]
108	[214, 215]	3437	[5675, 5676]	6766	[9314, 1260]	10095	[7615, 527]
109	[216, 217]	3438	[2957, 5677]	6767	[9315, 3822]	10096	[6850, 11687]
110	[218, 219]	3439	[2870, 5678]	6768	[9316, 9317]	10097	[6760, 6190]
111	[220, 221]	3440	[5679, 2370]	6769	[9318, 9319]	10098	[720, 7513]
112	[222, 223]	3441	[3131, 5680]	6770	[9320, 3221]	10099	[10532, 2673]
113	[224, 225]	3442	[5681, 5682]	6771	[9321, 9322]	10100	[6617, 7146]
114	[226, 227]	3443	[5683, 225]	6772	[5141, 9050]	10101	[6374, 5443]
115	[228, 229]	3444	[162, 2614]	6773	[9323, 9324]	10102	[11479, 5545]
116	[230, 231]	3445	[5684, 5685]	6774	[466, 9325]	10103	[5411, 2354]
117	[232, 233]	3446	[197, 2808]	6775	[9326, 3853]	10104	[11421, 11688]
118	[234, 235]	3447	[2599, 5686]	6776	[9327, 9328]	10105	[640, 618]
119	[236, 237]	3448	[5687, 5688]	6777	[9329, 9330]	10106	[11520, 2967]
120	[238, 239]	3449	[5689, 5690]	6778	[9331, 3256]	10107	[1889, 2206]
121	[240, 241]	3450	[2943, 5691]	6779	[8968, 7989]	10108	[11689, 2853]
122	[242, 243]	3451	[2015, 5692]	6780	[8797, 9332]	10109	[10535, 3169]
123	[244, 245]	3452	[2949, 2154]	6781	[9333, 1174]	10110	[10230, 10655]

124	[246, 247]	3453	[5693, 5694]	6782	[9334, 3712]	10111	[11690, 11647]
125	[248, 249]	3454	[672, 5695]	6783	[9335, 8414]	10112	[178, 657]
126	[250, 251]	3455	[5696, 5697]	6784	[3982, 4028]	10113	[10302, 1973]
127	[252, 253]	3456	[5698, 5699]	6785	[9336, 3908]	10114	[2551, 844]
128	[254, 255]	3457	[5700, 5701]	6786	[1140, 1078]	10115	[691, 894]
129	[256, 257]	3458	[5702, 5703]	6787	[9337, 8763]	10116	[10175, 1918]
130	[258, 259]	3459	[2295, 5704]	6788	[9338, 4364]	10117	[10893, 2727]
131	[260, 261]	3460	[5705, 2746]	6789	[9250, 9339]	10118	[6164, 11500]
132	[262, 27]	3461	[5706, 5707]	6790	[9199, 413]	10119	[10696, 10949]
133	[263, 264]	3462	[5708, 5709]	6791	[9340, 4811]	10120	[11691, 10938]
134	[265, 266]	3463	[248, 5710]	6792	[4343, 9341]	10121	[6882, 6436]
135	[267, 268]	3464	[5711, 5332]	6793	[4766, 9342]	10122	[6535, 846]
136	[269, 270]	3465	[5712, 5713]	6794	[9343, 4836]	10123	[11692, 11094]
137	[271, 272]	3466	[5714, 5715]	6795	[9344, 9345]	10124	[498, 2102]
138	[273, 274]	3467	[5716, 792]	6796	[9346, 3596]	10125	[11580, 2822]
139	[275, 276]	3468	[1862, 5717]	6797	[9347, 4671]	10126	[11693, 10625]
140	[277, 278]	3469	[5718, 5719]	6798	[4097, 9348]	10127	[11454, 11694]
141	[279, 280]	3470	[5720, 2888]	6799	[9349, 9350]	10128	[6955, 2287]
142	[281, 282]	3471	[5721, 5722]	6800	[4742, 1741]	10129	[3034, 10876]
143	[283, 284]	3472	[5723, 2923]	6801	[9351, 4515]	10130	[825, 7241]
144	[285, 286]	3473	[2903, 5724]	6802	[1368, 3995]	10131	[6443, 6832]
145	[287, 288]	3474	[5725, 5726]	6803	[9352, 8771]	10132	[11695, 2779]
146	[289, 290]	3475	[5727, 5728]	6804	[3392, 9353]	10133	[5505, 5915]
147	[291, 292]	3476	[5729, 5730]	6805	[9354, 9355]	10134	[11696, 11697]
148	[293, 294]	3477	[218, 5731]	6806	[9356, 4308]	10135	[11698, 11699]
149	[295, 296]	3478	[5732, 5733]	6807	[3808, 1176]	10136	[5441, 6030]
150	[297, 298]	3479	[5734, 5735]	6808	[9357, 4382]	10137	[11700, 5345]
151	[299, 300]	3480	[5705, 2758]	6809	[9358, 8969]	10138	[11701, 7209]
152	[301, 302]	3481	[5736, 764]	6810	[9359, 3967]	10139	[126, 5854]
153	[303, 304]	3482	[5737, 2589]	6811	[9360, 978]	10140	[171, 3015]
154	[290, 305]	3483	[5738, 184]	6812	[4067, 9361]	10141	[6242, 6052]
155	[306, 307]	3484	[5739, 5740]	6813	[9362, 4803]	10142	[7377, 11444]
156	[308, 309]	3485	[5542, 5741]	6814	[8021, 9363]	10143	[2205, 2722]
157	[310, 311]	3486	[2561, 5742]	6815	[7989, 7954]	10144	[11702, 7960]
158	[312, 313]	3487	[46, 5657]	6816	[9364, 332]	10145	[11703, 4471]
159	[314, 315]	3488	[5743, 5744]	6817	[9365, 3651]	10146	[5230, 11704]
160	[316, 279]	3489	[5745, 5746]	6818	[4488, 3960]	10147	[11705, 5272]
161	[317, 318]	3490	[5747, 2866]	6819	[9366, 1546]	10148	[8829, 9990]
162	[319, 320]	3491	[5748, 5339]	6820	[9367, 1614]	10149	[3399, 9826]
163	[321, 322]	3492	[5749, 3106]	6821	[9035, 1233]	10150	[11706, 3954]
164	[323, 324]	3493	[5750, 5674]	6822	[9368, 9369]	10151	[11707, 8440]
165	[325, 326]	3494	[600, 5751]	6823	[9370, 1788]	10152	[11708, 11709]
166	[327, 328]	3495	[32, 5752]	6824	[9371, 4973]	10153	[11710, 1140]
167	[329, 330]	3496	[5753, 5754]	6825	[7977, 9203]	10154	[11711, 1518]

168	[331, 332]	3497	[2210, 5755]	6826	[9372, 1765]	10155	[9124, 1712]
169	[333, 334]	3498	[818, 650]	6827	[9373, 9374]	10156	[3818, 1097]
170	[335, 336]	3499	[3076, 5756]	6828	[9375, 9376]	10157	[11712, 3638]
171	[337, 338]	3500	[5757, 2728]	6829	[8892, 3788]	10158	[11713, 5083]
172	[339, 340]	3501	[5758, 5759]	6830	[9377, 9107]	10159	[8841, 11714]
173	[341, 342]	3502	[5760, 5761]	6831	[9378, 9379]	10160	[5074, 11715]
174	[343, 344]	3503	[5762, 5763]	6832	[9380, 4358]	10161	[11716, 4046]
175	[345, 346]	3504	[5764, 5765]	6833	[9381, 8468]	10162	[9663, 4548]
176	[347, 348]	3505	[1962, 3038]	6834	[9382, 9383]	10163	[11717, 8097]
177	[349, 350]	3506	[5766, 5767]	6835	[9384, 320]	10164	[11718, 9496]
178	[351, 352]	3507	[5768, 5769]	6836	[9385, 9386]	10165	[11719, 11720]
179	[353, 354]	3508	[5770, 5771]	6837	[9387, 9388]	10166	[11721, 3854]
180	[355, 356]	3509	[5772, 5773]	6838	[9389, 4472]	10167	[11722, 4810]
181	[357, 358]	3510	[5774, 2583]	6839	[8850, 8815]	10168	[11723, 11724]
182	[359, 360]	3511	[5775, 5776]	6840	[3672, 8671]	10169	[11725, 4908]
183	[361, 362]	3512	[5777, 3033]	6841	[9390, 1099]	10170	[11726, 5203]
184	[363, 364]	3513	[5778, 5779]	6842	[9391, 9392]	10171	[3871, 11727]
185	[365, 366]	3514	[5780, 774]	6843	[3910, 4443]	10172	[1672, 8188]
186	[367, 368]	3515	[5781, 5782]	6844	[3724, 9393]	10173	[11728, 9823]
187	[369, 370]	3516	[5783, 5784]	6845	[9394, 9014]	10174	[11729, 7861]
188	[371, 372]	3517	[5785, 5786]	6846	[9395, 4792]	10175	[11730, 3402]
189	[373, 374]	3518	[2539, 5787]	6847	[9145, 9396]	10176	[8354, 11731]
190	[375, 376]	3519	[5788, 5789]	6848	[1108, 4453]	10177	[11732, 8369]
191	[377, 378]	3520	[36, 2560]	6849	[9397, 3278]	10178	[1425, 4518]
192	[379, 380]	3521	[5790, 5439]	6850	[4437, 9270]	10179	[11733, 11734]
193	[381, 382]	3522	[3145, 2471]	6851	[91, 8758]	10180	[11735, 11736]
194	[383, 384]	3523	[2393, 5791]	6852	[3348, 9398]	10181	[11737, 9124]
195	[385, 386]	3524	[5792, 2553]	6853	[9399, 3583]	10182	[11738, 7892]
196	[387, 388]	3525	[653, 240]	6854	[9400, 323]	10183	[11739, 9152]
197	[389, 390]	3526	[5793, 5794]	6855	[1086, 1733]	10184	[9837, 4809]
198	[391, 392]	3527	[5795, 5796]	6856	[9401, 7869]	10185	[11740, 7934]
199	[393, 394]	3528	[2237, 5797]	6857	[8052, 5117]	10186	[11741, 8337]
200	[395, 396]	3529	[5798, 5799]	6858	[9402, 1568]	10187	[11742, 8770]
201	[397, 398]	3530	[5800, 5801]	6859	[4005, 3735]	10188	[11743, 9931]
202	[399, 400]	3531	[2911, 5802]	6860	[9403, 5111]	10189	[8342, 9663]
203	[401, 402]	3532	[5803, 5607]	6861	[9404, 9405]	10190	[11744, 7939]
204	[403, 404]	3533	[5320, 642]	6862	[4486, 4993]	10191	[11745, 8036]
205	[405, 406]	3534	[5804, 5805]	6863	[9406, 9407]	10192	[11746, 4533]
206	[407, 408]	3535	[721, 5806]	6864	[9408, 1345]	10193	[11747, 11748]
207	[409, 410]	3536	[5807, 931]	6865	[9409, 9052]	10194	[11749, 1484]
208	[411, 412]	3537	[5808, 5809]	6866	[9410, 4287]	10195	[8729, 3256]
209	[413, 414]	3538	[5810, 5811]	6867	[9411, 9412]	10196	[971, 1583]
210	[415, 416]	3539	[5812, 5813]	6868	[1270, 8735]	10197	[4414, 3633]
211	[417, 418]	3540	[5814, 1984]	6869	[440, 367]	10198	[5173, 11750]

212	[419, 420]	3541	[5815, 5816]	6870	[9413, 1337]	10199	[11751, 5169]
213	[421, 422]	3542	[2502, 2986]	6871	[9414, 9415]	10200	[1773, 8675]
214	[423, 424]	3543	[5817, 2549]	6872	[9416, 9417]	10201	[11752, 5103]
215	[425, 426]	3544	[2857, 5818]	6873	[9182, 8459]	10202	[5065, 1065]
216	[427, 428]	3545	[5819, 5820]	6874	[9418, 1049]	10203	[8941, 3236]
217	[429, 430]	3546	[5821, 2258]	6875	[1096, 9419]	10204	[4585, 9720]
218	[431, 432]	3547	[3012, 5822]	6876	[9420, 3237]	10205	[4308, 9952]
219	[433, 434]	3548	[5823, 5824]	6877	[4492, 9421]	10206	[1374, 9947]
220	[435, 436]	3549	[733, 5825]	6878	[9422, 9423]	10207	[11753, 8344]
221	[437, 438]	3550	[5826, 5827]	6879	[9424, 7817]	10208	[9722, 1061]
222	[439, 440]	3551	[2819, 5455]	6880	[9425, 4911]	10209	[1676, 9116]
223	[441, 125]	3552	[1930, 5828]	6881	[322, 4369]	10210	[11754, 4618]
224	[442, 443]	3553	[5829, 5716]	6882	[9426, 1443]	10211	[11755, 8536]
225	[444, 386]	3554	[5419, 2341]	6883	[9427, 1376]	10212	[4870, 8535]
226	[445, 446]	3555	[5830, 2345]	6884	[9428, 3924]	10213	[11756, 11757]
227	[447, 448]	3556	[2734, 5831]	6885	[1393, 9429]	10214	[8535, 1321]
228	[449, 450]	3557	[5832, 5462]	6886	[9430, 1396]	10215	[4220, 7840]
229	[451, 452]	3558	[5833, 5834]	6887	[9431, 8067]	10216	[11758, 4576]
230	[453, 454]	3559	[2651, 5835]	6888	[7657, 9432]	10217	[11759, 1720]
231	[455, 456]	3560	[5836, 1911]	6889	[3321, 1118]	10218	[11760, 4913]
232	[457, 458]	3561	[5837, 2668]	6890	[9433, 8716]	10219	[1226, 11761]
233	[459, 460]	3562	[5838, 5839]	6891	[9434, 8224]	10220	[11762, 9416]
234	[461, 462]	3563	[5840, 2701]	6892	[9435, 9436]	10221	[11720, 11763]
235	[463, 464]	3564	[5841, 5842]	6893	[9437, 9438]	10222	[11764, 3302]
236	[465, 466]	3565	[5843, 5844]	6894	[9439, 5051]	10223	[3514, 3872]
237	[467, 468]	3566	[1795, 5845]	6895	[9440, 9441]	10224	[11765, 3336]
238	[469, 470]	3567	[5341, 634]	6896	[9442, 3435]	10225	[9916, 4797]
239	[471, 472]	3568	[5846, 2483]	6897	[9443, 8868]	10226	[11766, 11767]
240	[473, 474]	3569	[5847, 5848]	6898	[9444, 9116]	10227	[4792, 11768]
241	[475, 476]	3570	[5849, 5850]	6899	[8439, 5233]	10228	[11769, 11770]
242	[477, 478]	3571	[3044, 5851]	6900	[9445, 9446]	10229	[3228, 1145]
243	[479, 480]	3572	[667, 939]	6901	[8300, 3536]	10230	[9468, 11771]
244	[481, 482]	3573	[5852, 5853]	6902	[9447, 9448]	10231	[3215, 7848]
245	[476, 483]	3574	[5854, 5418]	6903	[3546, 9449]	10232	[11772, 11773]
246	[484, 485]	3575	[5855, 5856]	6904	[9450, 3304]	10233	[11774, 9037]
247	[486, 487]	3576	[930, 2895]	6905	[9451, 8733]	10234	[4010, 11775]
248	[488, 489]	3577	[5857, 5858]	6906	[993, 8354]	10235	[11776, 447]
249	[490, 491]	3578	[5859, 5860]	6907	[9452, 9453]	10236	[7813, 8427]
250	[492, 493]	3579	[2653, 5861]	6908	[9454, 7784]	10237	[11777, 9556]
251	[494, 495]	3580	[5835, 5862]	6909	[8576, 8932]	10238	[11778, 11779]
252	[496, 497]	3581	[5863, 5864]	6910	[9455, 3205]	10239	[11780, 9880]
253	[498, 499]	3582	[240, 5643]	6911	[9456, 9457]	10240	[11781, 9477]
254	[500, 501]	3583	[5865, 5776]	6912	[8765, 1762]	10241	[11782, 11783]
255	[502, 503]	3584	[5866, 5333]	6913	[9458, 3825]	10242	[8010, 11784]

256	[504, 505]	3585	[5867, 5868]	6914	[9459, 8401]	10243	[11785, 10047]
257	[506, 507]	3586	[5869, 5821]	6915	[8693, 8640]	10244	[11786, 9516]
258	[497, 508]	3587	[5870, 5871]	6916	[9460, 3198]	10245	[11787, 11788]
259	[509, 510]	3588	[5872, 5328]	6917	[9461, 9462]	10246	[9476, 7763]
260	[511, 512]	3589	[1976, 2741]	6918	[66, 9463]	10247	[11789, 10113]
261	[513, 514]	3590	[2217, 5873]	6919	[4202, 4331]	10248	[8552, 8631]
262	[515, 516]	3591	[5874, 5875]	6920	[9464, 1107]	10249	[9271, 9740]
263	[517, 518]	3592	[5876, 5877]	6921	[1553, 4805]	10250	[4880, 85]
264	[519, 520]	3593	[5878, 5879]	6922	[9465, 7862]	10251	[11790, 7658]
265	[521, 522]	3594	[5880, 5881]	6923	[9466, 3411]	10252	[8205, 3356]
266	[523, 524]	3595	[2842, 5783]	6924	[9467, 9468]	10253	[11791, 9187]
267	[525, 526]	3596	[5882, 5883]	6925	[8519, 5163]	10254	[11792, 4839]
268	[527, 528]	3597	[5884, 153]	6926	[9469, 8741]	10255	[11793, 8609]
269	[529, 530]	3598	[5885, 2027]	6927	[9470, 9471]	10256	[11794, 11795]
270	[531, 532]	3599	[5305, 5886]	6928	[9472, 9473]	10257	[11796, 4542]
271	[533, 534]	3600	[5887, 5530]	6929	[8255, 4545]	10258	[7730, 9141]
272	[535, 536]	3601	[5888, 5889]	6930	[9474, 3765]	10259	[3430, 11797]
273	[537, 538]	3602	[2554, 5890]	6931	[9475, 9476]	10260	[11798, 4057]
274	[539, 540]	3603	[5891, 5773]	6932	[9477, 9478]	10261	[4333, 9029]
275	[541, 542]	3604	[5816, 2352]	6933	[1439, 1447]	10262	[3588, 10056]
276	[543, 544]	3605	[5892, 5893]	6934	[9479, 9480]	10263	[11799, 11800]
277	[545, 546]	3606	[3096, 2460]	6935	[9481, 7794]	10264	[11801, 8115]
278	[547, 548]	3607	[5894, 5567]	6936	[4275, 9482]	10265	[11802, 11803]
279	[549, 550]	3608	[5895, 5896]	6937	[9483, 3430]	10266	[11804, 11805]
280	[551, 552]	3609	[5637, 2551]	6938	[1617, 4140]	10267	[11806, 1781]
281	[553, 554]	3610	[901, 5897]	6939	[9484, 4104]	10268	[9325, 11807]
282	[555, 556]	3611	[2802, 5898]	6940	[9485, 9486]	10269	[11808, 11809]
283	[557, 558]	3612	[5339, 5899]	6941	[9423, 4159]	10270	[11810, 4969]
284	[559, 560]	3613	[3063, 5900]	6942	[9487, 9155]	10271	[11811, 9862]
285	[561, 562]	3614	[5901, 2138]	6943	[9488, 3630]	10272	[11812, 11813]
286	[563, 564]	3615	[5902, 5515]	6944	[3675, 3899]	10273	[11814, 1769]
287	[565, 566]	3616	[5903, 61]	6945	[9489, 7906]	10274	[3778, 4390]
288	[567, 568]	3617	[896, 5904]	6946	[9490, 8526]	10275	[11815, 4605]
289	[569, 570]	3618	[5426, 5905]	6947	[9491, 9492]	10276	[119, 11816]
290	[571, 572]	3619	[5906, 5907]	6948	[9493, 4156]	10277	[11817, 8302]
291	[573, 574]	3620	[5908, 5909]	6949	[9494, 4297]	10278	[11818, 9134]
292	[575, 576]	3621	[5721, 5910]	6950	[9495, 8298]	10279	[11819, 9421]
293	[577, 578]	3622	[5911, 5912]	6951	[1699, 9496]	10280	[11820, 11821]
294	[579, 580]	3623	[5913, 5914]	6952	[9497, 9498]	10281	[11822, 3586]
295	[581, 582]	3624	[5915, 5916]	6953	[9499, 5121]	10282	[11823, 11824]
296	[583, 584]	3625	[156, 5917]	6954	[9500, 3347]	10283	[5155, 8967]
297	[585, 586]	3626	[5918, 5919]	6955	[9501, 5288]	10284	[11825, 11826]
298	[587, 588]	3627	[5912, 5802]	6956	[4770, 9502]	10285	[7905, 1368]
299	[589, 590]	3628	[759, 5920]	6957	[9503, 3844]	10286	[11827, 5146]

300	[591, 592]	3629	[3154, 5921]	6958	[9504, 3545]	10287	[11828, 8671]
301	[593, 594]	3630	[5922, 5923]	6959	[5126, 1633]	10288	[7653, 7802]
302	[595, 574]	3631	[839, 5397]	6960	[9505, 9506]	10289	[11829, 5013]
303	[596, 597]	3632	[5924, 5925]	6961	[9507, 8398]	10290	[11830, 3716]
304	[598, 599]	3633	[5926, 5927]	6962	[9508, 4380]	10291	[1657, 9637]
305	[570, 600]	3634	[3165, 586]	6963	[1537, 4821]	10292	[9945, 7747]
306	[601, 602]	3635	[1804, 1906]	6964	[9509, 9510]	10293	[11831, 8935]
307	[603, 604]	3636	[5928, 5929]	6965	[7871, 7937]	10294	[8402, 308]
308	[605, 606]	3637	[5930, 2035]	6966	[9511, 9512]	10295	[8738, 254]
309	[607, 608]	3638	[2144, 1934]	6967	[3791, 3287]	10296	[11832, 11833]
310	[609, 610]	3639	[5931, 5932]	6968	[1535, 4147]	10297	[11834, 8998]
311	[611, 612]	3640	[5503, 5933]	6969	[9513, 4083]	10298	[9672, 1285]
312	[613, 614]	3641	[5934, 2456]	6970	[8220, 9514]	10299	[1262, 8328]
313	[615, 206]	3642	[5935, 2687]	6971	[9515, 9516]	10300	[9148, 4207]
314	[616, 617]	3643	[5936, 3069]	6972	[9517, 8203]	10301	[11835, 5189]
315	[618, 619]	3644	[5937, 5938]	6973	[9518, 9519]	10302	[9066, 11836]
316	[620, 621]	3645	[1898, 530]	6974	[9446, 9260]	10303	[11837, 9518]
317	[622, 208]	3646	[5939, 5940]	6975	[5162, 9520]	10304	[11838, 11839]
318	[590, 623]	3647	[3073, 5941]	6976	[9521, 8161]	10305	[11840, 1313]
319	[624, 625]	3648	[5942, 2694]	6977	[8572, 9491]	10306	[11841, 11842]
320	[626, 627]	3649	[2938, 2986]	6978	[9522, 97]	10307	[4969, 11843]
321	[628, 629]	3650	[5943, 5944]	6979	[9523, 4982]	10308	[11844, 3779]
322	[630, 631]	3651	[5945, 5946]	6980	[9524, 4754]	10309	[276, 3443]
323	[632, 633]	3652	[5947, 5473]	6981	[9312, 8449]	10310	[11734, 11845]
324	[634, 635]	3653	[5948, 5949]	6982	[3241, 1790]	10311	[11846, 1205]
325	[636, 637]	3654	[2047, 5950]	6983	[9525, 1792]	10312	[11847, 1544]
326	[638, 639]	3655	[5951, 2773]	6984	[9526, 8193]	10313	[11848, 1664]
327	[640, 641]	3656	[209, 5952]	6985	[9527, 9528]	10314	[11849, 7815]
328	[642, 643]	3657	[1882, 5953]	6986	[9529, 3863]	10315	[11850, 1412]
329	[644, 645]	3658	[5954, 1872]	6987	[9530, 9531]	10316	[11851, 11852]
330	[646, 183]	3659	[2115, 5955]	6988	[9532, 5290]	10317	[11853, 79]
331	[647, 648]	3660	[5956, 2351]	6989	[4081, 8985]	10318	[11854, 5012]
332	[649, 650]	3661	[5716, 906]	6990	[9533, 315]	10319	[3948, 11855]
333	[651, 652]	3662	[5957, 5958]	6991	[9534, 3821]	10320	[11856, 4900]
334	[653, 654]	3663	[5959, 5960]	6992	[8131, 4427]	10321	[7826, 11857]
335	[655, 656]	3664	[5961, 591]	6993	[1066, 9535]	10322	[11858, 8444]
336	[657, 658]	3665	[5962, 5963]	6994	[4402, 73]	10323	[11859, 8519]
337	[659, 660]	3666	[5964, 5965]	6995	[9536, 4931]	10324	[11860, 11861]
338	[661, 662]	3667	[2527, 5966]	6996	[9537, 9538]	10325	[4199, 8596]
339	[663, 664]	3668	[5419, 895]	6997	[9539, 5167]	10326	[11862, 3380]
340	[665, 666]	3669	[12, 5410]	6998	[4736, 972]	10327	[3899, 4952]
341	[667, 668]	3670	[2901, 5967]	6999	[9540, 7654]	10328	[11863, 9045]
342	[669, 670]	3671	[525, 5968]	7000	[3455, 3719]	10329	[11864, 11865]
343	[671, 672]	3672	[5969, 5970]	7001	[9541, 3200]	10330	[11866, 5275]

344	[673, 674]	3673	[5971, 5972]	7002	[9542, 1636]	10331	[9607, 91]
345	[675, 676]	3674	[3004, 5973]	7003	[9543, 7972]	10332	[11867, 10104]
346	[677, 678]	3675	[5974, 5975]	7004	[9544, 4423]	10333	[380, 3871]
347	[679, 680]	3676	[5976, 2760]	7005	[9545, 5208]	10334	[11868, 289]
348	[681, 682]	3677	[5877, 2120]	7006	[9546, 9547]	10335	[11869, 11870]
349	[683, 684]	3678	[5977, 5838]	7007	[9548, 3615]	10336	[4085, 3461]
350	[685, 686]	3679	[5978, 5979]	7008	[9549, 9550]	10337	[997, 5240]
351	[687, 688]	3680	[5980, 5981]	7009	[8989, 9551]	10338	[11871, 3800]
352	[689, 690]	3681	[5982, 800]	7010	[9552, 9553]	10339	[11872, 3225]
353	[127, 691]	3682	[5983, 5984]	7011	[9554, 4789]	10340	[1595, 1675]
354	[672, 692]	3683	[5985, 2191]	7012	[1303, 9555]	10341	[11873, 489]
355	[693, 694]	3684	[5369, 2483]	7013	[9369, 9556]	10342	[11874, 8820]
356	[695, 696]	3685	[5986, 5987]	7014	[7969, 9473]	10343	[3618, 307]
357	[697, 698]	3686	[5988, 5989]	7015	[9557, 9327]	10344	[11875, 3379]
358	[699, 700]	3687	[5990, 5991]	7016	[9558, 8865]	10345	[9932, 11876]
359	[701, 702]	3688	[5992, 2178]	7017	[9559, 9560]	10346	[11877, 408]
360	[703, 704]	3689	[5993, 2651]	7018	[9561, 1342]	10347	[11878, 9396]
361	[705, 40]	3690	[5994, 5995]	7019	[9562, 4955]	10348	[8408, 11879]
362	[706, 707]	3691	[5996, 5997]	7020	[9563, 9564]	10349	[11880, 476]
363	[708, 709]	3692	[675, 5998]	7021	[9088, 3869]	10350	[11881, 4483]
364	[538, 710]	3693	[5999, 6000]	7022	[9565, 9361]	10351	[11882, 9984]
365	[711, 712]	3694	[5970, 752]	7023	[9566, 3526]	10352	[11883, 11884]
366	[713, 634]	3695	[6001, 5812]	7024	[4789, 4927]	10353	[11885, 11886]
367	[714, 715]	3696	[6002, 2579]	7025	[4992, 9567]	10354	[8227, 8643]
368	[716, 717]	3697	[5794, 149]	7026	[9568, 3361]	10355	[4575, 11887]
369	[718, 719]	3698	[6003, 6004]	7027	[8097, 9233]	10356	[11888, 11889]
370	[720, 721]	3699	[6005, 6006]	7028	[9569, 8265]	10357	[11890, 3609]
371	[722, 723]	3700	[6007, 6008]	7029	[9570, 9390]	10358	[11891, 8932]
372	[724, 725]	3701	[6009, 2167]	7030	[4039, 8206]	10359	[4002, 5092]
373	[726, 727]	3702	[6010, 6011]	7031	[4111, 4135]	10360	[11892, 4860]
374	[728, 729]	3703	[5784, 682]	7032	[9571, 4513]	10361	[11893, 9559]
375	[730, 731]	3704	[6012, 6013]	7033	[4314, 9572]	10362	[3645, 5086]
376	[732, 733]	3705	[781, 2997]	7034	[9573, 7731]	10363	[10072, 7823]
377	[734, 735]	3706	[6014, 6015]	7035	[9574, 9388]	10364	[11894, 4481]
378	[736, 737]	3707	[6016, 6017]	7036	[9330, 9575]	10365	[11895, 1486]
379	[738, 739]	3708	[6018, 5845]	7037	[9576, 5020]	10366	[8315, 9518]
380	[740, 741]	3709	[6019, 6020]	7038	[9577, 4168]	10367	[11896, 9157]
381	[742, 743]	3710	[2693, 5748]	7039	[9578, 262]	10368	[11897, 1599]
382	[744, 745]	3711	[6021, 2920]	7040	[9579, 8782]	10369	[4580, 11898]
383	[746, 747]	3712	[2463, 2714]	7041	[3769, 3450]	10370	[28, 7721]
384	[748, 749]	3713	[172, 3016]	7042	[8653, 9580]	10371	[11899, 1423]
385	[750, 751]	3714	[6022, 6023]	7043	[9581, 3566]	10372	[11709, 3894]
386	[752, 753]	3715	[1813, 2124]	7044	[9582, 1251]	10373	[11900, 3606]
387	[754, 513]	3716	[6024, 2871]	7045	[9583, 9584]	10374	[4834, 4987]

388	[755, 756]	3717	[6025, 6026]	7046	[9585, 1333]	10375	[11901, 9083]
389	[757, 758]	3718	[6027, 567]	7047	[9586, 8973]	10376	[8927, 7666]
390	[759, 760]	3719	[6028, 6029]	7048	[1756, 1530]	10377	[11902, 9485]
391	[761, 762]	3720	[5697, 579]	7049	[9587, 9588]	10378	[11903, 4516]
392	[763, 206]	3721	[6030, 6031]	7050	[8350, 952]	10379	[11904, 3669]
393	[764, 765]	3722	[6032, 2990]	7051	[9589, 8025]	10380	[9891, 1360]
394	[766, 767]	3723	[6033, 6034]	7052	[9590, 4153]	10381	[8258, 8356]
395	[768, 769]	3724	[2419, 3078]	7053	[9591, 9592]	10382	[11905, 7921]
396	[153, 770]	3725	[641, 619]	7054	[9593, 5074]	10383	[11906, 4147]
397	[771, 501]	3726	[6035, 6036]	7055	[8287, 7978]	10384	[9129, 1501]
398	[772, 773]	3727	[6037, 6038]	7056	[1134, 9594]	10385	[3178, 11907]
399	[774, 775]	3728	[2992, 3075]	7057	[9277, 4352]	10386	[10030, 1203]
400	[776, 777]	3729	[2389, 6039]	7058	[9595, 9596]	10387	[1495, 3375]
401	[778, 779]	3730	[6040, 2967]	7059	[1128, 9597]	10388	[11908, 1586]
402	[780, 781]	3731	[2010, 756]	7060	[9598, 8443]	10389	[11909, 4405]
403	[782, 783]	3732	[6041, 6042]	7061	[9599, 8961]	10390	[3440, 8812]
404	[784, 785]	3733	[2385, 6043]	7062	[9600, 9215]	10391	[7692, 263]
405	[786, 143]	3734	[6044, 503]	7063	[9601, 3229]	10392	[11910, 11911]
406	[787, 788]	3735	[6045, 6046]	7064	[1446, 8583]	10393	[11912, 11913]
407	[789, 790]	3736	[6047, 6048]	7065	[4254, 1278]	10394	[11914, 4067]
408	[791, 792]	3737	[6049, 5797]	7066	[9602, 8255]	10395	[9959, 4791]
409	[793, 794]	3738	[729, 2059]	7067	[9603, 8701]	10396	[7913, 9276]
410	[795, 796]	3739	[6050, 933]	7068	[9604, 411]	10397	[4846, 4061]
411	[797, 798]	3740	[2133, 210]	7069	[7751, 9605]	10398	[11915, 4966]
412	[799, 800]	3741	[6029, 6051]	7070	[9606, 9607]	10399	[11916, 11917]
413	[801, 802]	3742	[1881, 2209]	7071	[4071, 435]	10400	[11918, 7670]
414	[803, 804]	3743	[850, 5827]	7072	[9608, 5120]	10401	[3927, 4633]
415	[805, 806]	3744	[5685, 1856]	7073	[9609, 3670]	10402	[294, 11919]
416	[807, 808]	3745	[6052, 161]	7074	[9610, 324]	10403	[7759, 7698]
417	[809, 810]	3746	[6053, 2860]	7075	[9611, 4860]	10404	[9482, 451]
418	[811, 812]	3747	[5354, 842]	7076	[9612, 8827]	10405	[11920, 1173]
419	[813, 814]	3748	[1890, 6054]	7077	[9613, 4606]	10406	[3290, 11921]
420	[815, 816]	3749	[6055, 6056]	7078	[9496, 9614]	10407	[11922, 1557]
421	[817, 818]	3750	[48, 6057]	7079	[9615, 8001]	10408	[11923, 3917]
422	[819, 820]	3751	[1938, 6058]	7080	[9616, 9617]	10409	[11924, 1600]
423	[821, 822]	3752	[6059, 6060]	7081	[9618, 3880]	10410	[11925, 11926]
424	[823, 824]	3753	[6061, 6062]	7082	[4781, 252]	10411	[11927, 8010]
425	[825, 826]	3754	[6063, 6064]	7083	[4326, 4220]	10412	[3991, 1084]
426	[827, 828]	3755	[2181, 6065]	7084	[9510, 9394]	10413	[11928, 7665]
427	[572, 829]	3756	[6066, 6067]	7085	[9619, 4553]	10414	[11929, 7919]
428	[830, 831]	3757	[6068, 5552]	7086	[9620, 8879]	10415	[3388, 3613]
429	[832, 833]	3758	[6069, 2750]	7087	[9621, 4233]	10416	[4908, 8311]
430	[834, 835]	3759	[6070, 706]	7088	[9622, 8026]	10417	[11930, 9271]
431	[836, 837]	3760	[5523, 6071]	7089	[9623, 9323]	10418	[11931, 9492]

432	[838, 839]	3761	[6072, 6073]	7090	[9624, 1520]	10419	[11932, 7692]
433	[840, 841]	3762	[688, 61]	7091	[9625, 422]	10420	[11933, 11934]
434	[842, 843]	3763	[6074, 6075]	7092	[9626, 9627]	10421	[11935, 4793]
435	[844, 845]	3764	[6076, 759]	7093	[985, 9628]	10422	[11936, 11842]
436	[846, 847]	3765	[6077, 2012]	7094	[8848, 294]	10423	[3624, 8540]
437	[848, 849]	3766	[2285, 6078]	7095	[5292, 8914]	10424	[11937, 8853]
438	[850, 851]	3767	[734, 6079]	7096	[9629, 9272]	10425	[11938, 3186]
439	[852, 714]	3768	[6005, 2943]	7097	[9630, 7891]	10426	[4826, 971]
440	[853, 854]	3769	[6080, 6081]	7098	[9631, 1699]	10427	[11939, 5238]
441	[855, 856]	3770	[6082, 6083]	7099	[9632, 3456]	10428	[3712, 7801]
442	[857, 858]	3771	[6084, 5308]	7100	[9633, 3305]	10429	[11940, 7926]
443	[859, 860]	3772	[5517, 5479]	7101	[9634, 3857]	10430	[3945, 3434]
444	[861, 862]	3773	[6085, 6086]	7102	[3376, 8156]	10431	[5091, 8516]
445	[863, 864]	3774	[6087, 5377]	7103	[9635, 5141]	10432	[3980, 11941]
446	[865, 866]	3775	[1877, 6088]	7104	[3715, 1767]	10433	[11942, 7942]
447	[867, 868]	3776	[6041, 3013]	7105	[9636, 4072]	10434	[11943, 4424]
448	[869, 870]	3777	[6089, 6090]	7106	[3378, 8000]	10435	[11944, 8687]
449	[871, 872]	3778	[6091, 6092]	7107	[9637, 9638]	10436	[11945, 359]
450	[873, 874]	3779	[1984, 6093]	7108	[9639, 3996]	10437	[9971, 11946]
451	[875, 876]	3780	[6094, 2062]	7109	[9640, 3896]	10438	[3409, 5083]
452	[877, 878]	3781	[6095, 6096]	7110	[5134, 3972]	10439	[11947, 8839]
453	[879, 880]	3782	[6097, 6004]	7111	[9641, 7928]	10440	[11948, 4266]
454	[881, 581]	3783	[6098, 6099]	7112	[8921, 9642]	10441	[9776, 1300]
455	[882, 883]	3784	[6100, 6101]	7113	[9643, 3184]	10442	[11949, 4820]
456	[884, 885]	3785	[6102, 6103]	7114	[9644, 300]	10443	[11950, 11951]
457	[886, 887]	3786	[2067, 178]	7115	[4565, 9645]	10444	[8136, 11952]
458	[888, 889]	3787	[6104, 6105]	7116	[9646, 1162]	10445	[11953, 3542]
459	[890, 891]	3788	[31, 3119]	7117	[9412, 4737]	10446	[8417, 5139]
460	[892, 893]	3789	[6106, 6107]	7118	[9647, 1550]	10447	[11954, 1048]
461	[894, 895]	3790	[6108, 6109]	7119	[9648, 4748]	10448	[11955, 11956]
462	[896, 897]	3791	[6110, 635]	7120	[8101, 8237]	10449	[9679, 1438]
463	[898, 899]	3792	[6111, 6112]	7121	[9649, 4200]	10450	[11957, 3626]
464	[900, 901]	3793	[524, 2693]	7122	[9650, 9651]	10451	[11958, 3699]
465	[902, 903]	3794	[6113, 838]	7123	[9652, 5163]	10452	[11959, 1776]
466	[904, 905]	3795	[6114, 6115]	7124	[9653, 9654]	10453	[11960, 3240]
467	[791, 906]	3796	[2814, 6116]	7125	[965, 4299]	10454	[11961, 9170]
468	[907, 908]	3797	[6117, 5578]	7126	[9655, 4462]	10455	[11962, 5256]
469	[909, 910]	3798	[6118, 6119]	7127	[9656, 4338]	10456	[11963, 1418]
470	[911, 912]	3799	[6120, 6121]	7128	[9657, 1710]	10457	[11964, 4001]
471	[913, 914]	3800	[6122, 6123]	7129	[5020, 1571]	10458	[11965, 8371]
472	[915, 916]	3801	[5900, 6124]	7130	[9658, 4258]	10459	[11966, 11967]
473	[917, 918]	3802	[6125, 224]	7131	[9659, 4703]	10460	[7858, 11968]
474	[919, 920]	3803	[6126, 6127]	7132	[9660, 7887]	10461	[7779, 9887]
475	[921, 560]	3804	[6128, 6129]	7133	[9189, 9661]	10462	[11969, 998]

476	[922, 923]	3805	[6130, 1795]	7134	[9662, 9663]	10463	[5018, 9999]
477	[924, 925]	3806	[6131, 5846]	7135	[9664, 9665]	10464	[5123, 8473]
478	[926, 927]	3807	[6132, 6133]	7136	[9666, 9667]	10465	[11970, 9574]
479	[880, 928]	3808	[6134, 931]	7137	[9668, 1165]	10466	[9031, 1548]
480	[929, 930]	3809	[2668, 5622]	7138	[4242, 3415]	10467	[11971, 11972]
481	[931, 932]	3810	[6135, 5905]	7139	[9669, 9670]	10468	[11973, 7970]
482	[933, 934]	3811	[5941, 5651]	7140	[9671, 9672]	10469	[1401, 9860]
483	[560, 935]	3812	[6136, 216]	7141	[9673, 9674]	10470	[3820, 9817]
484	[936, 937]	3813	[6137, 6138]	7142	[9628, 1305]	10471	[11974, 11975]
485	[938, 939]	3814	[6139, 2715]	7143	[9675, 9676]	10472	[11976, 8566]
486	[940, 941]	3815	[6140, 6141]	7144	[3884, 4723]	10473	[11865, 11977]
487	[942, 943]	3816	[5651, 2701]	7145	[9677, 7956]	10474	[11978, 8895]
488	[944, 556]	3817	[6142, 6143]	7146	[9678, 9679]	10475	[11979, 8744]
489	[851, 945]	3818	[6144, 6145]	7147	[5197, 3979]	10476	[11980, 10112]
490	[946, 947]	3819	[6146, 6147]	7148	[9680, 9681]	10477	[11981, 11982]
491	[948, 949]	3820	[5946, 1893]	7149	[8265, 8870]	10478	[11983, 8581]
492	[304, 950]	3821	[6148, 6149]	7150	[9682, 9348]	10479	[11984, 4867]
493	[951, 952]	3822	[6150, 942]	7151	[4094, 8165]	10480	[11985, 308]
494	[953, 954]	3823	[6151, 5731]	7152	[4895, 989]	10481	[11986, 8217]
495	[955, 956]	3824	[5704, 2160]	7153	[9683, 9684]	10482	[11813, 7934]
496	[957, 958]	3825	[6152, 6153]	7154	[9685, 7667]	10483	[3516, 11987]
497	[959, 296]	3826	[794, 2465]	7155	[9686, 5240]	10484	[3694, 444]
498	[960, 961]	3827	[6154, 620]	7156	[7974, 9687]	10485	[11988, 5118]
499	[962, 963]	3828	[6155, 3164]	7157	[9688, 9376]	10486	[11989, 11968]
500	[964, 965]	3829	[6156, 6157]	7158	[9689, 8760]	10487	[5284, 11990]
501	[966, 967]	3830	[6074, 6158]	7159	[4119, 9690]	10488	[11991, 412]
502	[968, 969]	3831	[2923, 6159]	7160	[9033, 9691]	10489	[11992, 11993]
503	[970, 971]	3832	[6160, 6161]	7161	[9692, 446]	10490	[9572, 9656]
504	[972, 973]	3833	[6162, 6163]	7162	[9693, 9694]	10491	[11994, 278]
505	[974, 975]	3834	[5667, 6164]	7163	[3561, 8995]	10492	[11995, 9524]
506	[976, 977]	3835	[6165, 6166]	7164	[1234, 8681]	10493	[11996, 8752]
507	[978, 979]	3836	[6167, 2014]	7165	[9695, 7992]	10494	[11768, 11997]
508	[980, 981]	3837	[6168, 6169]	7166	[9696, 8640]	10495	[11998, 1551]
509	[982, 983]	3838	[6170, 6171]	7167	[1580, 9697]	10496	[11999, 12000]
510	[984, 985]	3839	[6172, 6173]	7168	[7718, 1698]	10497	[12001, 9186]
511	[986, 987]	3840	[6174, 6175]	7169	[3860, 9698]	10498	[12002, 10099]
512	[988, 989]	3841	[6176, 6177]	7170	[8777, 4407]	10499	[12003, 7920]
513	[990, 991]	3842	[6178, 3074]	7171	[9699, 9577]	10500	[12004, 12005]
514	[992, 993]	3843	[6179, 1955]	7172	[9700, 9701]	10501	[12006, 4480]
515	[994, 995]	3844	[6180, 2891]	7173	[3472, 4270]	10502	[4874, 1667]
516	[996, 997]	3845	[6181, 2501]	7174	[9702, 9657]	10503	[12007, 366]
517	[998, 999]	3846	[6182, 5983]	7175	[9703, 8607]	10504	[12008, 12009]
518	[1000, 1001]	3847	[6183, 6184]	7176	[9704, 114]	10505	[12010, 8858]
519	[1002, 1003]	3848	[6185, 1862]	7177	[9705, 4648]	10506	[9295, 12011]

520	[1004, 991]	3849	[6186, 559]	7178	[9706, 4848]	10507	[8065, 11970]
521	[1005, 1006]	3850	[2378, 6187]	7179	[9707, 9708]	10508	[4964, 7977]
522	[1007, 1008]	3851	[6188, 6189]	7180	[9709, 9710]	10509	[12012, 12013]
523	[1009, 1010]	3852	[6190, 2809]	7181	[9711, 1676]	10510	[12014, 11723]
524	[1011, 1012]	3853	[6191, 5593]	7182	[9712, 3783]	10511	[8896, 5176]
525	[1013, 1014]	3854	[6192, 6193]	7183	[9713, 7734]	10512	[5080, 12015]
526	[1015, 430]	3855	[6194, 2611]	7184	[4599, 9714]	10513	[12016, 8734]
527	[1016, 1017]	3856	[6195, 2999]	7185	[9197, 9715]	10514	[12017, 9860]
528	[1018, 1019]	3857	[6196, 6088]	7186	[9716, 3590]	10515	[12018, 4801]
529	[1020, 1021]	3858	[6197, 2656]	7187	[9717, 5167]	10516	[12019, 1161]
530	[1022, 1023]	3859	[6198, 2802]	7188	[9718, 9719]	10517	[3544, 12020]
531	[1024, 1025]	3860	[6199, 6200]	7189	[9720, 4120]	10518	[12021, 8334]
532	[1026, 1027]	3861	[6201, 6202]	7190	[9721, 9722]	10519	[12022, 9342]
533	[1028, 1029]	3862	[6203, 6204]	7191	[9723, 8894]	10520	[12023, 4631]
534	[1030, 1031]	3863	[6205, 6206]	7192	[9724, 5032]	10521	[12024, 1437]
535	[1032, 1033]	3864	[671, 2314]	7193	[9725, 1540]	10522	[12025, 8613]
536	[1034, 1035]	3865	[1908, 2410]	7194	[9726, 4185]	10523	[12026, 86]
537	[1036, 1037]	3866	[6207, 2830]	7195	[9727, 9108]	10524	[1244, 7896]
538	[1038, 1039]	3867	[6208, 6209]	7196	[9728, 9729]	10525	[3343, 3762]
539	[1040, 1041]	3868	[1958, 6210]	7197	[9730, 9731]	10526	[4542, 12027]
540	[1042, 1043]	3869	[6211, 6039]	7198	[9732, 9131]	10527	[4960, 11780]
541	[1044, 1045]	3870	[6212, 6213]	7199	[9733, 9734]	10528	[12028, 369]
542	[1046, 460]	3871	[565, 5304]	7200	[9735, 1658]	10529	[12029, 12030]
543	[1047, 1048]	3872	[737, 2446]	7201	[9077, 1716]	10530	[5200, 9224]
544	[1049, 1050]	3873	[774, 6214]	7202	[3524, 4106]	10531	[1328, 12031]
545	[1051, 1052]	3874	[6215, 6216]	7203	[9736, 9737]	10532	[5205, 4591]
546	[1053, 1054]	3875	[6217, 5562]	7204	[9738, 3771]	10533	[9053, 9428]
547	[1055, 1056]	3876	[5530, 6218]	7205	[286, 4273]	10534	[12032, 7879]
548	[1057, 1058]	3877	[6214, 6219]	7206	[3831, 4488]	10535	[12033, 12034]
549	[1059, 1060]	3878	[6220, 6221]	7207	[9739, 9740]	10536	[9740, 8076]
550	[1061, 1062]	3879	[6222, 6223]	7208	[9741, 4861]	10537	[12035, 8148]
551	[1063, 1064]	3880	[6224, 6225]	7209	[9742, 4687]	10538	[12036, 8409]
552	[1065, 1066]	3881	[6152, 1836]	7210	[9743, 9744]	10539	[12037, 12038]
553	[1067, 1068]	3882	[6226, 6227]	7211	[9745, 3241]	10540	[12039, 11786]
554	[1069, 1070]	3883	[5584, 2094]	7212	[9746, 9747]	10541	[12040, 1296]
555	[1071, 1072]	3884	[6228, 6229]	7213	[1017, 4354]	10542	[8551, 12041]
556	[1073, 1074]	3885	[6230, 6231]	7214	[8173, 9748]	10543	[12042, 3270]
557	[1075, 1076]	3886	[6232, 6233]	7215	[9749, 4078]	10544	[12043, 12044]
558	[1077, 1078]	3887	[6234, 5798]	7216	[4812, 4227]	10545	[5263, 12045]
559	[1079, 1080]	3888	[2574, 6235]	7217	[5228, 3727]	10546	[12046, 12047]
560	[1081, 1082]	3889	[2111, 2789]	7218	[9750, 8852]	10547	[3742, 3919]
561	[1083, 1084]	3890	[5554, 6236]	7219	[9751, 9050]	10548	[12048, 8460]
562	[1085, 1086]	3891	[2460, 6237]	7220	[9752, 4954]	10549	[7798, 3629]
563	[1087, 1088]	3892	[6238, 2932]	7221	[9753, 4640]	10550	[12049, 12050]

564	[1089, 1090]	3893	[5531, 6239]	7222	[9754, 5004]	10551	[12051, 12052]
565	[1091, 1092]	3894	[6240, 6241]	7223	[9755, 1583]	10552	[485, 12053]
566	[1093, 1094]	3895	[6242, 6243]	7224	[4503, 4103]	10553	[12054, 12055]
567	[1095, 1096]	3896	[708, 6244]	7225	[9756, 3627]	10554	[4331, 1555]
568	[1097, 1098]	3897	[1891, 5550]	7226	[9757, 1312]	10555	[12056, 9243]
569	[1099, 1100]	3898	[6245, 6246]	7227	[9758, 8971]	10556	[12057, 4280]
570	[1101, 1102]	3899	[5973, 1927]	7228	[8498, 9462]	10557	[12058, 3738]
571	[1103, 1104]	3900	[6247, 6248]	7229	[9759, 9760]	10558	[12059, 4495]
572	[1105, 1106]	3901	[6249, 6250]	7230	[4012, 4578]	10559	[12060, 1099]
573	[1107, 1108]	3902	[6251, 6252]	7231	[9761, 421]	10560	[400, 9825]
574	[1109, 1110]	3903	[6253, 6254]	7232	[9762, 4914]	10561	[12061, 1292]
575	[1111, 1112]	3904	[6255, 6256]	7233	[9763, 9764]	10562	[20, 1090]
576	[1113, 1114]	3905	[6257, 6002]	7234	[9765, 1315]	10563	[4694, 12062]
577	[1115, 1116]	3906	[5382, 5510]	7235	[9766, 8603]	10564	[12063, 1154]
578	[1117, 436]	3907	[6258, 2685]	7236	[9767, 950]	10565	[11993, 8720]
579	[1118, 1119]	3908	[6259, 5875]	7237	[3627, 9768]	10566	[12064, 12065]
580	[1120, 1121]	3909	[6260, 6261]	7238	[9769, 8686]	10567	[12066, 12067]
581	[1122, 1123]	3910	[6262, 3073]	7239	[4045, 5050]	10568	[12068, 8950]
582	[1124, 1125]	3911	[6263, 6264]	7240	[9770, 9771]	10569	[5084, 4255]
583	[1126, 350]	3912	[2784, 6265]	7241	[9772, 963]	10570	[12069, 8584]
584	[1127, 1128]	3913	[6266, 6267]	7242	[9773, 336]	10571	[12070, 10059]
585	[1129, 1130]	3914	[6268, 631]	7243	[9774, 9775]	10572	[3303, 12071]
586	[1131, 1132]	3915	[6269, 6270]	7244	[7734, 9776]	10573	[1187, 4006]
587	[1133, 1134]	3916	[6271, 6272]	7245	[9777, 8940]	10574	[9281, 7899]
588	[1135, 1136]	3917	[2356, 2359]	7246	[9778, 81]	10575	[12072, 12073]
589	[1137, 1138]	3918	[6273, 1971]	7247	[9779, 344]	10576	[9698, 3930]
590	[1139, 1140]	3919	[6274, 6275]	7248	[1078, 5006]	10577	[9235, 12074]
591	[1141, 269]	3920	[6276, 6277]	7249	[9780, 4533]	10578	[4982, 7761]
592	[1142, 1143]	3921	[6278, 2884]	7250	[9781, 4434]	10579	[12075, 3810]
593	[1144, 1145]	3922	[699, 6279]	7251	[8385, 8341]	10580	[12076, 12077]
594	[1146, 1147]	3923	[6280, 2776]	7252	[9782, 9783]	10581	[12078, 11914]
595	[1148, 1149]	3924	[6281, 6282]	7253	[4754, 402]	10582	[12079, 11965]
596	[1150, 1151]	3925	[6283, 6284]	7254	[9784, 1752]	10583	[12080, 1062]
597	[1152, 1153]	3926	[5644, 245]	7255	[9785, 8574]	10584	[12081, 9827]
598	[1154, 1155]	3927	[1873, 6285]	7256	[9786, 7900]	10585	[12082, 12083]
599	[1156, 1157]	3928	[2532, 2676]	7257	[9787, 7679]	10586	[12084, 12085]
600	[1100, 1158]	3929	[2866, 6286]	7258	[9788, 9789]	10587	[5242, 8784]
601	[1159, 1160]	3930	[6287, 5547]	7259	[9790, 482]	10588	[3313, 3649]
602	[1161, 1162]	3931	[5676, 6288]	7260	[9791, 8002]	10589	[4460, 12086]
603	[1163, 1164]	3932	[6289, 6290]	7261	[9792, 4872]	10590	[3621, 12087]
604	[1165, 1166]	3933	[6291, 6292]	7262	[1296, 7748]	10591	[12088, 9478]
605	[1167, 1168]	3934	[2720, 2812]	7263	[9775, 9034]	10592	[12089, 3817]
606	[1169, 1170]	3935	[6293, 6294]	7264	[9793, 7938]	10593	[12090, 12091]
607	[268, 1171]	3936	[6295, 6296]	7265	[1682, 9794]	10594	[12092, 9918]

608	[1172, 1173]	3937	[6297, 6298]	7266	[9795, 4862]	10595	[9764, 9017]
609	[1174, 1175]	3938	[6299, 6300]	7267	[9796, 9797]	10596	[12093, 4646]
610	[1176, 1177]	3939	[6301, 907]	7268	[9798, 3737]	10597	[9052, 474]
611	[1178, 1179]	3940	[6302, 2604]	7269	[9799, 1559]	10598	[3209, 9847]
612	[1180, 1181]	3941	[6303, 5639]	7270	[9800, 9705]	10599	[12094, 4971]
613	[1182, 1183]	3942	[6304, 1797]	7271	[9801, 118]	10600	[5138, 12095]
614	[1184, 1185]	3943	[6305, 790]	7272	[9802, 8657]	10601	[1432, 4408]
615	[1186, 1187]	3944	[6306, 54]	7273	[8813, 4739]	10602	[12096, 12097]
616	[1188, 1189]	3945	[3022, 6189]	7274	[9803, 8301]	10603	[12098, 8346]
617	[1190, 371]	3946	[5497, 6307]	7275	[9804, 4176]	10604	[3437, 12099]
618	[1191, 1192]	3947	[5888, 6308]	7276	[9805, 1460]	10605	[12100, 12101]
619	[1193, 302]	3948	[6309, 6310]	7277	[9806, 3558]	10606	[12102, 8134]
620	[1194, 1195]	3949	[5473, 5618]	7278	[9807, 9808]	10607	[12103, 12104]
621	[1196, 1197]	3950	[6311, 6312]	7279	[9809, 4268]	10608	[12105, 12106]
622	[1198, 1199]	3951	[6313, 5942]	7280	[9810, 9811]	10609	[4583, 12107]
623	[1138, 1200]	3952	[532, 2773]	7281	[9812, 3589]	10610	[12108, 1763]
624	[1201, 1202]	3953	[6314, 6315]	7282	[9813, 105]	10611	[3848, 12109]
625	[1203, 1204]	3954	[6316, 2411]	7283	[5203, 9814]	10612	[9614, 12110]
626	[1205, 1206]	3955	[6317, 6318]	7284	[3978, 4760]	10613	[12111, 9504]
627	[1207, 1208]	3956	[6319, 2726]	7285	[9815, 9816]	10614	[5216, 5252]
628	[1209, 1210]	3957	[3019, 6320]	7286	[9817, 1006]	10615	[12112, 4749]
629	[1211, 1212]	3958	[2931, 6321]	7287	[4955, 4764]	10616	[12113, 4818]
630	[1213, 1214]	3959	[6322, 6323]	7288	[9818, 8644]	10617	[12114, 1481]
631	[1215, 1216]	3960	[6324, 698]	7289	[9819, 4953]	10618	[5128, 12115]
632	[1217, 1218]	3961	[42, 6325]	7290	[3720, 8400]	10619	[12116, 4622]
633	[1219, 1220]	3962	[6289, 5572]	7291	[9820, 5246]	10620	[5153, 12117]
634	[1221, 1222]	3963	[2802, 6326]	7292	[9821, 4642]	10621	[12118, 4821]
635	[1223, 1224]	3964	[6327, 699]	7293	[8804, 1577]	10622	[8362, 3959]
636	[1225, 1226]	3965	[6328, 871]	7294	[9822, 7680]	10623	[3416, 8162]
637	[1227, 1228]	3966	[6329, 873]	7295	[9823, 458]	10624	[12119, 8103]
638	[1006, 1229]	3967	[5344, 6330]	7296	[9824, 4300]	10625	[12120, 4837]
639	[1230, 1231]	3968	[5346, 6107]	7297	[9825, 3208]	10626	[12121, 8254]
640	[1232, 1193]	3969	[6331, 6332]	7298	[9826, 9827]	10627	[12122, 1620]
641	[1233, 1234]	3970	[6333, 6334]	7299	[9828, 9517]	10628	[392, 8850]
642	[1235, 1236]	3971	[6335, 3109]	7300	[9204, 9829]	10629	[12123, 8736]
643	[1237, 1238]	3972	[6336, 6337]	7301	[9830, 8091]	10630	[12124, 12125]
644	[1239, 1240]	3973	[6338, 2599]	7302	[9831, 9832]	10631	[10019, 12126]
645	[1241, 1242]	3974	[6339, 6340]	7303	[111, 1398]	10632	[8046, 8150]
646	[1243, 1244]	3975	[6341, 6342]	7304	[9833, 415]	10633	[9691, 4743]
647	[1245, 1043]	3976	[6081, 6343]	7305	[9834, 9835]	10634	[10139, 3573]
648	[1246, 1247]	3977	[6344, 6345]	7306	[4181, 3986]	10635	[12127, 8450]
649	[1248, 1249]	3978	[1852, 2038]	7307	[3323, 4889]	10636	[358, 12128]
650	[1250, 1251]	3979	[6346, 3054]	7308	[4050, 8244]	10637	[12129, 12130]
651	[1252, 1253]	3980	[6347, 2662]	7309	[9836, 9837]	10638	[8200, 8296]

652	[1254, 1255]	3981	[2707, 6348]	7310	[9838, 8268]	10639	[7869, 3783]
653	[987, 475]	3982	[6349, 6350]	7311	[4963, 4009]	10640	[12131, 3608]
654	[342, 1216]	3983	[587, 6351]	7312	[9605, 9839]	10641	[12132, 12133]
655	[109, 1256]	3984	[6352, 2263]	7313	[4962, 5067]	10642	[12134, 1476]
656	[1257, 1258]	3985	[6353, 6354]	7314	[9840, 9138]	10643	[12135, 10065]
657	[1259, 1260]	3986	[934, 6355]	7315	[3547, 9679]	10644	[456, 1639]
658	[1261, 1262]	3987	[6356, 667]	7316	[9841, 4704]	10645	[4258, 4882]
659	[1263, 1264]	3988	[6357, 5613]	7317	[9842, 9843]	10646	[12136, 8616]
660	[1265, 1266]	3989	[2381, 6079]	7318	[9844, 7748]	10647	[12137, 12138]
661	[1267, 1268]	3990	[1851, 2037]	7319	[4379, 5]	10648	[9339, 9347]
662	[1269, 1270]	3991	[6358, 2006]	7320	[9845, 1112]	10649	[1636, 4654]
663	[1271, 1272]	3992	[6359, 2696]	7321	[4156, 9846]	10650	[12139, 12140]
664	[1273, 1274]	3993	[6360, 152]	7322	[9847, 4782]	10651	[12141, 1593]
665	[1058, 1275]	3994	[6361, 6362]	7323	[9848, 3219]	10652	[12142, 11995]
666	[1276, 1277]	3995	[2530, 5663]	7324	[9849, 9850]	10653	[12143, 9525]
667	[1278, 1279]	3996	[6363, 6364]	7325	[9851, 5256]	10654	[12144, 8405]
668	[1280, 1281]	3997	[6365, 6366]	7326	[9852, 4972]	10655	[12145, 8620]
669	[1282, 1283]	3998	[6367, 6368]	7327	[9332, 8781]	10656	[12146, 9341]
670	[1284, 1285]	3999	[2335, 1805]	7328	[9853, 1640]	10657	[9968, 4116]
671	[1286, 1121]	4000	[6369, 6370]	7329	[9854, 3945]	10658	[12147, 3979]
672	[1287, 1288]	4001	[6371, 6372]	7330	[9855, 9449]	10659	[9009, 3564]
673	[1289, 1290]	4002	[6373, 2063]	7331	[9856, 8011]	10660	[12148, 9785]
674	[1291, 1292]	4003	[6374, 2564]	7332	[9857, 4829]	10661	[3418, 12149]
675	[1293, 1294]	4004	[6375, 6376]	7333	[1391, 8877]	10662	[12150, 9076]
676	[1295, 1296]	4005	[6377, 2019]	7334	[9858, 4806]	10663	[12151, 4278]
677	[1297, 1298]	4006	[879, 6378]	7335	[9859, 1740]	10664	[12152, 7650]
678	[1299, 1204]	4007	[2219, 6379]	7336	[9860, 9861]	10665	[9748, 1094]
679	[1300, 1301]	4008	[1911, 6055]	7337	[9556, 9862]	10666	[10033, 12153]
680	[1302, 1303]	4009	[6380, 2671]	7338	[4833, 9036]	10667	[9045, 4133]
681	[1304, 1305]	4010	[2161, 5373]	7339	[9863, 3340]	10668	[3959, 4211]
682	[1306, 1307]	4011	[6381, 6382]	7340	[7753, 3885]	10669	[12154, 8175]
683	[1308, 1309]	4012	[6383, 706]	7341	[9864, 1783]	10670	[12155, 12156]
684	[1310, 1311]	4013	[6384, 5340]	7342	[3263, 9865]	10671	[4304, 4686]
685	[1312, 1313]	4014	[6385, 6386]	7343	[9866, 267]	10672	[12157, 7708]
686	[1314, 1315]	4015	[2499, 6387]	7344	[8061, 5034]	10673	[12158, 7884]
687	[1316, 1317]	4016	[6388, 2470]	7345	[5168, 3859]	10674	[12159, 12160]
688	[1318, 1319]	4017	[6389, 869]	7346	[9867, 3395]	10675	[12161, 290]
689	[1320, 1321]	4018	[6390, 6391]	7347	[9868, 7740]	10676	[12162, 10103]
690	[418, 1322]	4019	[6392, 2031]	7348	[9869, 9870]	10677	[12163, 8392]
691	[1323, 1324]	4020	[6393, 6394]	7349	[9871, 1549]	10678	[12164, 1648]
692	[1325, 1326]	4021	[6395, 5495]	7350	[1001, 3414]	10679	[11803, 12129]
693	[1327, 1328]	4022	[5875, 221]	7351	[9850, 9872]	10680	[9901, 12029]
694	[1329, 1330]	4023	[6396, 593]	7352	[9873, 9874]	10681	[12165, 12166]
695	[1331, 1332]	4024	[6397, 1859]	7353	[9875, 9489]	10682	[12167, 12168]

696	[1333, 1334]	4025	[6398, 2023]	7354	[9876, 8435]	10683	[489, 4814]
697	[1335, 1336]	4026	[6399, 6400]	7355	[7747, 4003]	10684	[8846, 12169]
698	[1337, 1338]	4027	[2935, 6059]	7356	[7724, 9877]	10685	[1630, 3180]
699	[1339, 1340]	4028	[6348, 5431]	7357	[9878, 3515]	10686	[12170, 3464]
700	[1341, 1342]	4029	[6401, 6402]	7358	[9879, 9880]	10687	[12171, 5152]
701	[1343, 1344]	4030	[3096, 2082]	7359	[9881, 7824]	10688	[12172, 4887]
702	[1345, 1346]	4031	[2029, 6403]	7360	[9882, 9883]	10689	[12173, 1668]
703	[1347, 1348]	4032	[6404, 3163]	7361	[9884, 1441]	10690	[12174, 3268]
704	[1349, 1350]	4033	[6135, 5630]	7362	[9885, 4628]	10691	[3509, 9357]
705	[1351, 1352]	4034	[192, 6405]	7363	[9886, 3341]	10692	[12175, 8204]
706	[1353, 1354]	4035	[6231, 608]	7364	[9887, 9122]	10693	[12176, 8007]
707	[1355, 1356]	4036	[6406, 5370]	7365	[9734, 4847]	10694	[12177, 1369]
708	[1357, 1358]	4037	[6407, 5588]	7366	[9888, 3717]	10695	[12178, 4264]
709	[1359, 1360]	4038	[2100, 6408]	7367	[9889, 4782]	10696	[12179, 116]
710	[1037, 1361]	4039	[6409, 141]	7368	[9890, 9891]	10697	[11917, 10069]
711	[1362, 1363]	4040	[5582, 6410]	7369	[9892, 8532]	10698	[12180, 1241]
712	[1364, 1365]	4041	[752, 6411]	7370	[9893, 442]	10699	[12181, 9635]
713	[1366, 1223]	4042	[6412, 6413]	7371	[9708, 9894]	10700	[12182, 8280]
714	[1367, 1368]	4043	[6414, 6415]	7372	[8123, 5024]	10701	[12183, 12184]
715	[1369, 1370]	4044	[6416, 6417]	7373	[9895, 9896]	10702	[12185, 12186]
716	[1371, 1372]	4045	[6418, 6419]	7374	[9059, 8673]	10703	[12187, 12188]
717	[1373, 1374]	4046	[6420, 2388]	7375	[9897, 4282]	10704	[12189, 4324]
718	[1375, 1376]	4047	[6421, 734]	7376	[9535, 1102]	10705	[9096, 4531]
719	[1377, 1378]	4048	[6422, 2280]	7377	[3414, 9898]	10706	[9388, 7796]
720	[1379, 1380]	4049	[6423, 6424]	7378	[1474, 9899]	10707	[12190, 7999]
721	[1110, 1381]	4050	[6425, 2165]	7379	[1354, 3913]	10708	[12191, 7785]
722	[1382, 1383]	4051	[5568, 6426]	7380	[9900, 3530]	10709	[8868, 8417]
723	[1384, 1385]	4052	[6427, 6428]	7381	[362, 9901]	10710	[12192, 8567]
724	[1386, 1387]	4053	[6429, 2367]	7382	[9902, 309]	10711	[12193, 435]
725	[1388, 1389]	4054	[6430, 6431]	7383	[9903, 8991]	10712	[12194, 258]
726	[1390, 1391]	4055	[6432, 6433]	7384	[9665, 9904]	10713	[12195, 3686]
727	[1392, 1393]	4056	[6434, 5895]	7385	[7698, 9905]	10714	[12196, 4414]
728	[1394, 1395]	4057	[6435, 6436]	7386	[9906, 7964]	10715	[12197, 1698]
729	[1396, 1397]	4058	[144, 6437]	7387	[9846, 4924]	10716	[12052, 3942]
730	[1398, 1399]	4059	[5331, 6121]	7388	[9907, 4470]	10717	[1563, 5178]
731	[1400, 1401]	4060	[6438, 6439]	7389	[9908, 4856]	10718	[7649, 1169]
732	[1402, 1403]	4061	[6039, 2835]	7390	[9909, 4362]	10719	[12198, 7669]
733	[1404, 1405]	4062	[6440, 6441]	7391	[9910, 9911]	10720	[8121, 4215]
734	[1406, 1407]	4063	[5566, 6442]	7392	[5054, 4649]	10721	[482, 7844]
735	[1408, 1409]	4064	[2761, 6443]	7393	[9912, 4651]	10722	[12199, 5204]
736	[1410, 1411]	4065	[6444, 2016]	7394	[9055, 8430]	10723	[12015, 12200]
737	[1029, 1412]	4066	[6445, 6341]	7395	[8791, 9558]	10724	[12201, 8700]
738	[1413, 1414]	4067	[6446, 2831]	7396	[9913, 8198]	10725	[12202, 9417]
739	[1415, 1416]	4068	[6447, 6367]	7397	[9914, 9915]	10726	[11926, 12203]

740	[1417, 1418]	4069	[6448, 8]	7398	[9839, 9916]	10727	[12204, 8230]
741	[1419, 1420]	4070	[6449, 5886]	7399	[9917, 7966]	10728	[12205, 12206]
742	[1421, 1297]	4071	[6450, 6451]	7400	[8878, 9918]	10729	[12125, 4941]
743	[1422, 1423]	4072	[2264, 6452]	7401	[5288, 9919]	10730	[12207, 4632]
744	[1424, 1425]	4073	[6453, 169]	7402	[9920, 9611]	10731	[12208, 9790]
745	[1426, 1427]	4074	[945, 796]	7403	[3315, 4850]	10732	[12209, 10072]
746	[991, 1428]	4075	[2931, 3150]	7404	[9921, 9922]	10733	[12210, 429]
747	[1429, 1430]	4076	[6454, 6455]	7405	[9923, 1746]	10734	[981, 12211]
748	[1431, 1432]	4077	[6456, 6457]	7406	[9924, 7789]	10735	[12212, 8158]
749	[1433, 1434]	4078	[2402, 6244]	7407	[1387, 9796]	10736	[12213, 1751]
750	[1435, 1436]	4079	[2398, 5634]	7408	[9925, 3597]	10737	[7678, 9244]
751	[1437, 1187]	4080	[6458, 5800]	7409	[9246, 9926]	10738	[12214, 12215]
752	[1438, 1439]	4081	[187, 6275]	7410	[9927, 9054]	10739	[12216, 12217]
753	[1440, 1441]	4082	[6459, 2872]	7411	[9928, 9929]	10740	[12218, 12219]
754	[1442, 992]	4083	[6460, 2674]	7412	[9930, 5127]	10741	[4162, 3737]
755	[1443, 1444]	4084	[6461, 197]	7413	[9931, 9932]	10742	[438, 488]
756	[1445, 1446]	4085	[841, 5822]	7414	[9933, 3467]	10743	[12220, 3824]
757	[1447, 1448]	4086	[6462, 6463]	7415	[9934, 1202]	10744	[8736, 8196]
758	[1449, 1450]	4087	[2758, 647]	7416	[9935, 4107]	10745	[12221, 1370]
759	[1451, 1452]	4088	[2584, 6464]	7417	[9936, 9539]	10746	[3352, 1545]
760	[1453, 1454]	4089	[2978, 5784]	7418	[9079, 9937]	10747	[12222, 9100]
761	[1455, 1456]	4090	[773, 6465]	7419	[3481, 4087]	10748	[1311, 12223]
762	[1457, 485]	4091	[6466, 6467]	7420	[9938, 9193]	10749	[7726, 9517]
763	[1458, 1459]	4092	[5363, 6468]	7421	[8360, 8488]	10750	[12224, 7897]
764	[1460, 1461]	4093	[930, 6469]	7422	[9939, 8953]	10751	[3191, 12195]
765	[1462, 1463]	4094	[6470, 600]	7423	[9940, 9941]	10752	[8645, 7663]
766	[1464, 1465]	4095	[5813, 6471]	7424	[3950, 9915]	10753	[11770, 9379]
767	[1466, 426]	4096	[6472, 2631]	7425	[8425, 9375]	10754	[5052, 8690]
768	[1467, 1468]	4097	[6473, 6282]	7426	[9942, 9943]	10755	[12225, 11907]
769	[1469, 1447]	4098	[6474, 2753]	7427	[9944, 9945]	10756	[1690, 8003]
770	[1470, 1471]	4099	[2433, 6475]	7428	[9946, 9947]	10757	[12226, 8347]
771	[1104, 1472]	4100	[842, 6476]	7429	[8958, 108]	10758	[12227, 9398]
772	[1473, 1474]	4101	[6477, 3152]	7430	[8375, 8656]	10759	[12101, 3304]
773	[1475, 1476]	4102	[6399, 5446]	7431	[3489, 7998]	10760	[12228, 4907]
774	[1477, 1478]	4103	[6478, 5931]	7432	[9948, 8000]	10761	[4109, 8345]
775	[1479, 1480]	4104	[6479, 5655]	7433	[9949, 4938]	10762	[1524, 7831]
776	[1481, 1482]	4105	[6480, 5927]	7434	[9950, 8176]	10763	[4911, 9670]
777	[1483, 985]	4106	[5791, 2514]	7435	[9951, 5104]	10764	[12229, 1221]
778	[1484, 469]	4107	[6481, 2976]	7436	[9952, 3637]	10765	[12073, 275]
779	[1485, 1486]	4108	[6482, 6483]	7437	[9953, 9954]	10766	[12230, 12231]
780	[1487, 1488]	4109	[5335, 867]	7438	[1522, 9955]	10767	[12232, 9483]
781	[1489, 1490]	4110	[5396, 6484]	7439	[9956, 263]	10768	[12233, 1095]
782	[1491, 1492]	4111	[6485, 6486]	7440	[9957, 3555]	10769	[4123, 8522]
783	[1493, 420]	4112	[6487, 6488]	7441	[9958, 1180]	10770	[296, 1261]

784	[1494, 1495]	4113	[141, 5426]	7442	[1070, 9959]	10771	[12234, 12235]
785	[1496, 1340]	4114	[5993, 5442]	7443	[9960, 9961]	10772	[9983, 12236]
786	[1412, 1497]	4115	[6489, 6490]	7444	[9962, 3363]	10773	[8664, 1628]
787	[1498, 1499]	4116	[2213, 5746]	7445	[9963, 7930]	10774	[3946, 3211]
788	[1500, 295]	4117	[2811, 2602]	7446	[1033, 5271]	10775	[12237, 7693]
789	[1501, 1502]	4118	[6491, 6467]	7447	[9964, 7908]	10776	[12238, 5287]
790	[1503, 1149]	4119	[6492, 1873]	7448	[9965, 9966]	10777	[12239, 4209]
791	[1504, 1331]	4120	[6493, 2623]	7449	[9967, 5251]	10778	[12240, 1081]
792	[1505, 1333]	4121	[6494, 6055]	7450	[1456, 9968]	10779	[3357, 9851]
793	[1506, 1507]	4122	[1807, 6495]	7451	[9969, 5030]	10780	[12241, 5117]
794	[1508, 1509]	4123	[6496, 6497]	7452	[8176, 9970]	10781	[12242, 9960]
795	[1510, 1511]	4124	[6498, 6499]	7453	[8998, 9971]	10782	[420, 8193]
796	[1512, 1513]	4125	[2068, 657]	7454	[8001, 8487]	10783	[4838, 12243]
797	[1514, 1515]	4126	[6500, 5502]	7455	[4467, 9186]	10784	[12244, 5273]
798	[1516, 1517]	4127	[6501, 5606]	7456	[9972, 9973]	10785	[12245, 3261]
799	[1518, 1519]	4128	[6502, 6503]	7457	[9974, 3547]	10786	[12246, 1684]
800	[1517, 1520]	4129	[6504, 2184]	7458	[9975, 7806]	10787	[12247, 5253]
801	[1521, 1522]	4130	[6505, 6506]	7459	[9592, 9504]	10788	[4477, 12248]
802	[1523, 1524]	4131	[6507, 6508]	7460	[9976, 9977]	10789	[12249, 5247]
803	[1525, 1526]	4132	[2018, 6509]	7461	[9978, 4880]	10790	[12250, 973]
804	[1527, 1528]	4133	[6510, 5626]	7462	[8116, 4012]	10791	[12251, 1603]
805	[1529, 1530]	4134	[153, 3125]	7463	[9979, 9980]	10792	[12252, 1362]
806	[1160, 1531]	4135	[6484, 6511]	7464	[8545, 8846]	10793	[12253, 3789]
807	[1532, 1533]	4136	[6512, 6513]	7465	[3744, 5259]	10794	[9260, 12254]
808	[1534, 1535]	4137	[3141, 752]	7466	[9981, 9166]	10795	[12255, 1470]
809	[1536, 1537]	4138	[6514, 6515]	7467	[432, 3630]	10796	[8617, 4497]
810	[1538, 1539]	4139	[849, 6516]	7468	[9982, 4361]	10797	[12256, 9468]
811	[1540, 1541]	4140	[644, 6517]	7469	[1768, 3521]	10798	[9363, 8917]
812	[1542, 1543]	4141	[2914, 2649]	7470	[1358, 9983]	10799	[4264, 4504]
813	[1544, 1394]	4142	[870, 6093]	7471	[9984, 3757]	10800	[12257, 8571]
814	[1545, 1546]	4143	[6518, 2905]	7472	[9985, 999]	10801	[12258, 7888]
815	[1547, 1548]	4144	[2705, 6075]	7473	[9986, 9987]	10802	[12259, 1459]
816	[1441, 1549]	4145	[6519, 2399]	7474	[9988, 4834]	10803	[12260, 12261]
817	[1550, 1551]	4146	[6520, 6521]	7475	[9989, 4224]	10804	[12262, 4560]
818	[1552, 1553]	4147	[2787, 2488]	7476	[9990, 9991]	10805	[12263, 1519]
819	[1554, 1555]	4148	[6361, 176]	7477	[9992, 4565]	10806	[1189, 12264]
820	[1556, 1557]	4149	[6522, 6523]	7478	[9993, 9310]	10807	[9206, 1521]
821	[1558, 1559]	4150	[6524, 6525]	7479	[3713, 1737]	10808	[12265, 1071]
822	[1560, 1561]	4151	[6174, 6526]	7480	[9994, 9995]	10809	[1593, 5058]
823	[1562, 1563]	4152	[6527, 6157]	7481	[9089, 3293]	10810	[3874, 12266]
824	[1564, 1565]	4153	[5856, 5640]	7482	[9996, 292]	10811	[12267, 1096]
825	[1566, 1567]	4154	[6528, 2673]	7483	[9105, 8649]	10812	[3697, 3488]
826	[1568, 1569]	4155	[3154, 6529]	7484	[9997, 3453]	10813	[12268, 3226]
827	[1570, 1571]	4156	[6530, 6531]	7485	[9998, 4852]	10814	[12269, 4611]

828	[1572, 1573]	4157	[6532, 6533]	7486	[272, 9563]	10815	[8543, 12270]
829	[1574, 1068]	4158	[6534, 5958]	7487	[9999, 4628]	10816	[12271, 12272]
830	[1575, 1576]	4159	[674, 2735]	7488	[8202, 5022]	10817	[12273, 4267]
831	[1577, 1578]	4160	[6535, 2990]	7489	[3995, 10000]	10818	[374, 12274]
832	[1579, 1580]	4161	[6536, 6537]	7490	[10001, 1463]	10819	[12275, 9627]
833	[1581, 1582]	4162	[2617, 729]	7491	[10002, 7714]	10820	[11990, 12276]
834	[1583, 1584]	4163	[6538, 6539]	7492	[10003, 258]	10821	[12277, 9878]
835	[1585, 1586]	4164	[6325, 6540]	7493	[10004, 4468]	10822	[7875, 12278]
836	[1511, 1587]	4165	[1945, 6541]	7494	[9684, 3749]	10823	[12279, 11796]
837	[1588, 1589]	4166	[6227, 1961]	7495	[10005, 9151]	10824	[12280, 8081]
838	[1590, 1591]	4167	[6365, 6291]	7496	[10006, 4978]	10825	[12281, 1622]
839	[1592, 1593]	4168	[6538, 2316]	7497	[8478, 9484]	10826	[12282, 4002]
840	[1594, 1595]	4169	[6542, 6543]	7498	[10007, 3335]	10827	[12283, 12284]
841	[1596, 1597]	4170	[2809, 6544]	7499	[10008, 9583]	10828	[12285, 8373]
842	[1598, 1599]	4171	[6395, 6545]	7500	[8521, 8144]	10829	[12286, 12287]
843	[1600, 1405]	4172	[5724, 713]	7501	[10009, 10010]	10830	[12288, 4275]
844	[1601, 1602]	4173	[227, 6546]	7502	[10011, 1223]	10831	[12289, 3795]
845	[1603, 1604]	4174	[6547, 2841]	7503	[3448, 10012]	10832	[12290, 4981]
846	[1605, 1409]	4175	[6548, 6549]	7504	[9697, 1465]	10833	[8708, 12291]
847	[1606, 1607]	4176	[2391, 5664]	7505	[10013, 10014]	10834	[12292, 4475]
848	[1608, 1609]	4177	[6550, 6551]	7506	[10015, 3946]	10835	[12293, 8008]
849	[1610, 1611]	4178	[6552, 6553]	7507	[1459, 4181]	10836	[12294, 5002]
850	[1612, 1613]	4179	[5586, 6554]	7508	[10016, 5172]	10837	[12295, 12296]
851	[1614, 1512]	4180	[6555, 6556]	7509	[10017, 1669]	10838	[3844, 9082]
852	[1615, 1369]	4181	[2676, 2547]	7510	[10018, 10019]	10839	[5093, 1232]
853	[1616, 1617]	4182	[6557, 852]	7511	[9224, 4056]	10840	[11889, 4951]
854	[1618, 1619]	4183	[6558, 2491]	7512	[10020, 5073]	10841	[4619, 11889]
855	[1620, 1621]	4184	[6559, 6560]	7513	[10021, 10022]	10842	[12297, 11815]
856	[1622, 1623]	4185	[6561, 6562]	7514	[3631, 9245]	10843	[8727, 9924]
857	[1624, 1625]	4186	[6563, 2492]	7515	[10023, 8473]	10844	[3930, 11760]
858	[1626, 295]	4187	[6564, 6565]	7516	[3918, 1402]	10845	[12298, 4395]
859	[1627, 1628]	4188	[6566, 6567]	7517	[10024, 9680]	10846	[4562, 5250]
860	[1629, 1630]	4189	[6568, 6569]	7518	[10025, 3403]	10847	[12299, 1142]
861	[1631, 1632]	4190	[5836, 6494]	7519	[10026, 4842]	10848	[1372, 12300]
862	[1633, 1634]	4191	[6570, 133]	7520	[10027, 8878]	10849	[12301, 8874]
863	[1635, 1636]	4192	[3053, 6571]	7521	[1576, 7677]	10850	[12302, 9353]
864	[1637, 1638]	4193	[5658, 1847]	7522	[3759, 1509]	10851	[9311, 12179]
865	[1639, 1640]	4194	[6140, 908]	7523	[10028, 10029]	10852	[1779, 7780]
866	[1641, 1642]	4195	[6572, 6573]	7524	[9506, 10030]	10853	[8071, 9441]
867	[1643, 328]	4196	[6574, 3173]	7525	[10031, 1325]	10854	[12303, 273]
868	[1644, 1645]	4197	[6575, 6576]	7526	[10032, 10033]	10855	[12304, 4692]
869	[1646, 1647]	4198	[6518, 6577]	7527	[1307, 5246]	10856	[12305, 12306]
870	[1648, 1649]	4199	[2195, 6015]	7528	[10034, 1075]	10857	[1482, 1652]
871	[1650, 1651]	4200	[5602, 6272]	7529	[10035, 8605]	10858	[12307, 3692]

872	[1652, 1653]	4201	[6578, 6129]	7530	[10036, 10037]	10859	[12153, 3698]
873	[1654, 1655]	4202	[6579, 6580]	7531	[10038, 4029]	10860	[12308, 7691]
874	[1656, 1657]	4203	[6581, 2537]	7532	[4288, 9793]	10861	[12309, 1654]
875	[1658, 1659]	4204	[2160, 2125]	7533	[10039, 9780]	10862	[12310, 4157]
876	[1660, 1661]	4205	[6582, 5842]	7534	[3836, 8216]	10863	[12311, 12312]
877	[1662, 1494]	4206	[2963, 6583]	7535	[4294, 9265]	10864	[12313, 1426]
878	[1663, 1664]	4207	[51, 227]	7536	[10040, 10041]	10865	[1655, 12314]
879	[1665, 1666]	4208	[723, 6584]	7537	[1197, 3527]	10866	[12315, 9241]
880	[1667, 1668]	4209	[6585, 878]	7538	[10042, 4230]	10867	[12316, 1745]
881	[1669, 1670]	4210	[6586, 6587]	7539	[10043, 8592]	10868	[12317, 3563]
882	[1671, 1672]	4211	[6588, 2878]	7540	[4448, 10044]	10869	[3603, 8413]
883	[1673, 1674]	4212	[6589, 6590]	7541	[7892, 1758]	10870	[12318, 12319]
884	[1675, 1676]	4213	[926, 6591]	7542	[10045, 4265]	10871	[7955, 3567]
885	[1677, 1678]	4214	[6592, 6106]	7543	[10046, 1719]	10872	[12320, 8544]
886	[1679, 1680]	4215	[5523, 5357]	7544	[8965, 10047]	10873	[12321, 4277]
887	[1681, 1682]	4216	[6593, 6594]	7545	[10048, 8087]	10874	[4383, 12322]
888	[1683, 1684]	4217	[6595, 6596]	7546	[10049, 4081]	10875	[9139, 1400]
889	[1685, 1686]	4218	[241, 5644]	7547	[10050, 10051]	10876	[12323, 1301]
890	[1687, 1688]	4219	[6597, 6253]	7548	[10052, 4274]	10877	[4268, 12324]
891	[1689, 1690]	4220	[6598, 5728]	7549	[10053, 10054]	10878	[9037, 4877]
892	[1691, 1170]	4221	[519, 6599]	7550	[10055, 9551]	10879	[10119, 8737]
893	[1692, 1693]	4222	[2479, 6265]	7551	[10056, 10057]	10880	[12325, 4054]
894	[1694, 1695]	4223	[6600, 6006]	7552	[10058, 7913]	10881	[12326, 9654]
895	[1696, 1697]	4224	[3003, 6100]	7553	[9417, 10059]	10882	[12327, 10001]
896	[1698, 1699]	4225	[6443, 2403]	7554	[10060, 8602]	10883	[12328, 3694]
897	[1700, 1701]	4226	[5654, 6601]	7555	[10061, 10062]	10884	[7805, 3684]
898	[1702, 1703]	4227	[2552, 2960]	7556	[10063, 3197]	10885	[3689, 8325]
899	[1704, 1579]	4228	[6154, 2400]	7557	[10064, 3704]	10886	[12329, 5286]
900	[1705, 1706]	4229	[6602, 6603]	7558	[7923, 10065]	10887	[5031, 1707]
901	[1707, 1708]	4230	[566, 6604]	7559	[1272, 1484]	10888	[12330, 9016]
902	[1709, 1710]	4231	[6605, 2039]	7560	[10066, 4741]	10889	[3934, 8754]
903	[1711, 1712]	4232	[6606, 6607]	7561	[10067, 3360]	10890	[12331, 8251]
904	[1713, 1714]	4233	[6608, 6609]	7562	[404, 8575]	10891	[12332, 5219]
905	[1715, 1716]	4234	[6073, 942]	7563	[10068, 4722]	10892	[12333, 12334]
906	[1717, 1718]	4235	[6610, 2180]	7564	[8419, 4976]	10893	[12335, 4673]
907	[1719, 1605]	4236	[6611, 2737]	7565	[4234, 486]	10894	[3345, 9764]
908	[1720, 1721]	4237	[6612, 6613]	7566	[10069, 1500]	10895	[12336, 9123]
909	[1722, 1723]	4238	[6614, 5509]	7567	[10070, 4257]	10896	[259, 12138]
910	[1724, 1725]	4239	[6615, 158]	7568	[10071, 10072]	10897	[12337, 5022]
911	[1726, 1727]	4240	[6616, 2730]	7569	[10073, 10074]	10898	[8978, 12338]
912	[1728, 1166]	4241	[6617, 2649]	7570	[10075, 7935]	10899	[12339, 10057]
913	[1729, 1730]	4242	[6618, 1926]	7571	[7765, 10076]	10900	[12340, 11742]
914	[1731, 1732]	4243	[6619, 577]	7572	[4529, 8702]	10901	[12341, 12342]
915	[76, 1561]	4244	[6620, 6621]	7573	[10077, 5235]	10902	[12343, 1279]

916	[1733, 1734]	4245	[6335, 2263]	7574	[10078, 5112]	10903	[12344, 9715]
917	[1735, 1736]	4246	[6622, 6623]	7575	[10079, 3610]	10904	[8531, 8706]
918	[1737, 1738]	4247	[6624, 157]	7576	[10080, 1573]	10905	[9080, 1092]
919	[1739, 1740]	4248	[3134, 6625]	7577	[10081, 10082]	10906	[8108, 12345]
920	[1741, 1742]	4249	[6626, 6530]	7578	[8725, 8442]	10907	[12346, 12347]
921	[1743, 1744]	4250	[6627, 6628]	7579	[10083, 10084]	10908	[9747, 7825]
922	[1745, 1746]	4251	[6629, 5717]	7580	[10085, 1247]	10909	[12348, 65]
923	[1747, 1748]	4252	[6630, 5880]	7581	[8450, 1000]	10910	[4538, 7969]
924	[1749, 1750]	4253	[2732, 6631]	7582	[10086, 3559]	10911	[274, 364]
925	[1751, 1752]	4254	[2605, 6632]	7583	[10087, 10088]	10912	[8371, 12349]
926	[1753, 1754]	4255	[6294, 5891]	7584	[10089, 1326]	10913	[12350, 3524]
927	[1755, 1756]	4256	[6019, 6633]	7585	[10090, 10091]	10914	[1541, 12351]
928	[1757, 1758]	4257	[5437, 2705]	7586	[10092, 3740]	10915	[3616, 29]
929	[1759, 1513]	4258	[6634, 873]	7587	[1380, 10093]	10916	[8584, 8493]
930	[1760, 1761]	4259	[6635, 5965]	7588	[4373, 4638]	10917	[8232, 1067]
931	[1762, 1763]	4260	[6636, 2926]	7589	[10094, 10095]	10918	[12352, 8240]
932	[1764, 1765]	4261	[6460, 6637]	7590	[9816, 5134]	10919	[12353, 4843]
933	[1766, 1678]	4262	[6638, 5574]	7591	[10096, 1543]	10920	[8827, 9456]
934	[1767, 1768]	4263	[6639, 2378]	7592	[10097, 5239]	10921	[12354, 8964]
935	[1744, 1769]	4264	[6640, 6311]	7593	[10098, 7852]	10922	[12355, 8993]
936	[1770, 1771]	4265	[6641, 2087]	7594	[7894, 4322]	10923	[8134, 9984]
937	[1772, 1773]	4266	[6642, 745]	7595	[10099, 8030]	10924	[12356, 4582]
938	[1774, 1775]	4267	[6643, 6127]	7596	[10100, 3920]	10925	[12357, 12358]
939	[1776, 1777]	4268	[6644, 656]	7597	[3751, 1729]	10926	[9104, 8432]
940	[1778, 1779]	4269	[2456, 6645]	7598	[7715, 9025]	10927	[12359, 9021]
941	[1780, 1180]	4270	[6646, 6647]	7599	[10101, 4289]	10928	[12360, 12361]
942	[1781, 1782]	4271	[6648, 2517]	7600	[8970, 10102]	10929	[12362, 1629]
943	[1783, 1784]	4272	[6649, 5979]	7601	[10103, 3612]	10930	[12363, 5003]
944	[1785, 1786]	4273	[6650, 6651]	7602	[10104, 10105]	10931	[8916, 8786]
945	[1613, 1787]	4274	[6652, 2743]	7603	[3341, 7910]	10932	[12364, 73]
946	[1788, 1789]	4275	[710, 2055]	7604	[10106, 1482]	10933	[12365, 1597]
947	[1790, 1426]	4276	[6653, 6654]	7605	[10107, 1780]	10934	[12366, 4840]
948	[1791, 1434]	4277	[6655, 6656]	7606	[10108, 3889]	10935	[12367, 4747]
949	[1792, 1793]	4278	[2495, 6657]	7607	[1395, 10109]	10936	[12368, 1125]
950	[597, 1794]	4279	[6658, 6659]	7608	[5250, 10110]	10937	[12369, 8861]
951	[1795, 1796]	4280	[1846, 178]	7609	[10111, 10112]	10938	[9255, 8818]
952	[1797, 1798]	4281	[2163, 6660]	7610	[10113, 3374]	10939	[11911, 12181]
953	[1799, 1800]	4282	[2159, 2013]	7611	[10114, 4071]	10940	[12011, 12370]
954	[1801, 1802]	4283	[6477, 6661]	7612	[1678, 5260]	10941	[1171, 7726]
955	[1803, 1804]	4284	[6662, 5468]	7613	[5238, 114]	10942	[12371, 8202]
956	[550, 1805]	4285	[6663, 6664]	7614	[10115, 4505]	10943	[12372, 7952]
957	[1806, 1807]	4286	[5983, 828]	7615	[10116, 1018]	10944	[12373, 12194]
958	[1808, 1809]	4287	[5897, 5997]	7616	[4205, 10117]	10945	[12374, 8317]
959	[1810, 1811]	4288	[6665, 6666]	7617	[973, 8283]	10946	[3846, 12375]

960	[1812, 1813]	4289	[6667, 2413]	7618	[4750, 4094]	10947	[12376, 9632]
961	[612, 181]	4290	[6668, 6669]	7619	[10118, 10119]	10948	[12377, 1009]
962	[1814, 1815]	4291	[6539, 5585]	7620	[5116, 428]	10949	[12378, 4977]
963	[1816, 1817]	4292	[690, 5873]	7621	[10120, 10121]	10950	[3855, 3839]
964	[1818, 1819]	4293	[6670, 6671]	7622	[10122, 10123]	10951	[12379, 8986]
965	[533, 736]	4294	[2560, 38]	7623	[10124, 1120]	10952	[4, 8181]
966	[1820, 1821]	4295	[6672, 6673]	7624	[10125, 7700]	10953	[11842, 9842]
967	[1800, 1822]	4296	[6674, 6350]	7625	[10126, 10127]	10954	[3243, 9694]
968	[1823, 1824]	4297	[6675, 6676]	7626	[10128, 1768]	10955	[12380, 12381]
969	[1825, 549]	4298	[6677, 5881]	7627	[3393, 5101]	10956	[12382, 1399]
970	[1826, 1827]	4299	[6678, 5780]	7628	[10129, 1080]	10957	[3296, 8790]
971	[1828, 1829]	4300	[6679, 6680]	7629	[8711, 10130]	10958	[12383, 8207]
972	[1830, 1831]	4301	[2043, 6343]	7630	[4116, 5268]	10959	[12384, 4868]
973	[1832, 1833]	4302	[5343, 6459]	7631	[4597, 7905]	10960	[12385, 12386]
974	[1834, 1835]	4303	[6681, 6682]	7632	[1430, 303]	10961	[12387, 3311]
975	[1836, 1837]	4304	[6683, 2173]	7633	[85, 9836]	10962	[12388, 7850]
976	[1838, 1839]	4305	[6684, 6685]	7634	[10131, 3624]	10963	[12389, 3926]
977	[1840, 893]	4306	[6686, 6687]	7635	[10132, 1332]	10964	[12390, 1637]
978	[1841, 1842]	4307	[6688, 2523]	7636	[10133, 3623]	10965	[12391, 4652]
979	[1843, 1844]	4308	[6689, 5930]	7637	[10134, 4130]	10966	[12392, 3819]
980	[1845, 1846]	4309	[6690, 2795]	7638	[10135, 444]	10967	[12393, 12394]
981	[1847, 1848]	4310	[6691, 6692]	7639	[8283, 8637]	10968	[12395, 9049]
982	[1849, 1850]	4311	[6693, 6694]	7640	[9594, 7873]	10969	[12396, 7773]
983	[1851, 1852]	4312	[6695, 6696]	7641	[10136, 4901]	10970	[12397, 1275]
984	[1853, 1854]	4313	[6697, 6698]	7642	[10137, 9455]	10971	[12398, 12399]
985	[1855, 1856]	4314	[3142, 753]	7643	[9449, 3895]	10972	[12400, 5237]
986	[860, 1857]	4315	[6699, 6700]	7644	[10138, 4035]	10973	[12401, 1641]
987	[1858, 922]	4316	[6701, 776]	7645	[3654, 10139]	10974	[8180, 8431]
988	[1859, 1860]	4317	[6336, 6702]	7646	[10140, 1681]	10975	[5147, 3964]
989	[620, 1861]	4318	[6572, 6703]	7647	[10141, 1562]	10976	[12402, 12403]
990	[1862, 1863]	4319	[154, 5352]	7648	[10142, 10143]	10977	[4238, 3703]
991	[1864, 1865]	4320	[6704, 2340]	7649	[6123, 2191]	10978	[12404, 12375]
992	[1866, 1867]	4321	[5312, 6705]	7650	[10144, 10145]	10979	[12405, 8681]
993	[1868, 1869]	4322	[6706, 1820]	7651	[10146, 10147]	10980	[12406, 1556]
994	[1870, 1871]	4323	[6707, 6708]	7652	[10148, 6084]	10981	[12407, 1592]
995	[1872, 1873]	4324	[6288, 6544]	7653	[1820, 6348]	10982	[12408, 12409]
996	[1874, 1875]	4325	[5759, 6709]	7654	[2350, 6800]	10983	[4674, 1236]
997	[1876, 1877]	4326	[6710, 2615]	7655	[10149, 10150]	10984	[12410, 3501]
998	[1878, 1879]	4327	[5337, 6711]	7656	[180, 10151]	10985	[11736, 5230]
999	[1880, 1881]	4328	[6712, 2900]	7657	[5397, 6511]	10986	[12411, 3832]
1000	[1882, 1883]	4329	[2192, 6713]	7658	[10152, 6880]	10987	[12412, 380]
1001	[773, 1884]	4330	[6134, 2821]	7659	[6940, 10153]	10988	[7907, 7749]
1002	[1885, 1886]	4331	[5445, 5909]	7660	[10154, 10155]	10989	[4854, 8945]
1003	[1887, 1888]	4332	[2936, 6714]	7661	[5615, 10156]	10990	[12413, 9904]

1004	[1889, 1890]	4333	[6715, 6716]	7662	[6325, 10157]	10991	[12414, 9653]
1005	[1891, 1892]	4334	[6717, 6718]	7663	[10158, 935]	10992	[5270, 9888]
1006	[1893, 1894]	4335	[2736, 2330]	7664	[2810, 7024]	10993	[12415, 12416]
1007	[1895, 1896]	4336	[6719, 6720]	7665	[2020, 5782]	10994	[326, 4177]
1008	[1897, 1898]	4337	[1992, 2852]	7666	[10159, 5389]	10995	[12417, 4235]
1009	[1899, 1900]	4338	[6721, 2666]	7667	[6517, 2595]	10996	[9051, 4997]
1010	[1901, 1902]	4339	[6722, 5672]	7668	[2936, 6060]	10997	[3370, 9066]
1011	[1903, 1904]	4340	[2108, 6723]	7669	[10160, 6005]	10998	[12418, 1493]
1012	[1905, 1906]	4341	[6724, 6225]	7670	[6264, 5410]	10999	[12419, 12420]
1013	[1907, 1908]	4342	[6725, 6726]	7671	[10161, 2308]	11000	[12421, 8751]
1014	[1909, 1910]	4343	[5940, 2557]	7672	[2443, 10162]	11001	[5268, 12422]
1015	[1911, 1912]	4344	[6727, 5749]	7673	[7258, 10163]	11002	[12423, 12424]
1016	[1913, 1914]	4345	[6309, 6728]	7674	[784, 10164]	11003	[12074, 12425]
1017	[1915, 1916]	4346	[6729, 6730]	7675	[10165, 10166]	11004	[12426, 9720]
1018	[1917, 733]	4347	[6731, 791]	7676	[6953, 6475]	11005	[12427, 12428]
1019	[1918, 1919]	4348	[6732, 6733]	7677	[2666, 6171]	11006	[8547, 3710]
1020	[1920, 1921]	4349	[6734, 2017]	7678	[7469, 10167]	11007	[4898, 1071]
1021	[1922, 568]	4350	[6735, 2247]	7679	[10168, 6860]	11008	[8748, 12429]
1022	[1923, 1924]	4351	[2038, 5947]	7680	[10169, 2075]	11009	[12430, 1386]
1023	[1925, 1926]	4352	[247, 2796]	7681	[1898, 10170]	11010	[12431, 12432]
1024	[1927, 1928]	4353	[5775, 6736]	7682	[10171, 5571]	11011	[8366, 9182]
1025	[1929, 1930]	4354	[6737, 6415]	7683	[6347, 6377]	11012	[12433, 8778]
1026	[1931, 1932]	4355	[5872, 6738]	7684	[10172, 5829]	11013	[12434, 12435]
1027	[1933, 1934]	4356	[6739, 2768]	7685	[1835, 10173]	11014	[3307, 5237]
1028	[1935, 1936]	4357	[6740, 6741]	7686	[10174, 10175]	11015	[12436, 12437]
1029	[1937, 1938]	4358	[2324, 643]	7687	[2556, 2985]	11016	[12438, 12439]
1030	[1939, 1881]	4359	[6742, 6743]	7688	[10167, 1986]	11017	[12440, 9214]
1031	[577, 666]	4360	[2986, 6744]	7689	[5579, 2131]	11018	[12441, 12442]
1032	[1940, 1941]	4361	[6745, 6746]	7690	[6984, 592]	11019	[12443, 4379]
1033	[1942, 1943]	4362	[507, 6747]	7691	[10176, 7234]	11020	[9737, 8502]
1034	[1944, 1945]	4363	[6705, 6748]	7692	[10177, 10178]	11021	[12444, 8086]
1035	[1946, 1947]	4364	[6708, 5584]	7693	[10179, 809]	11022	[7986, 3409]
1036	[1948, 1949]	4365	[2182, 6749]	7694	[2384, 7003]	11023	[12445, 3317]
1037	[1950, 1951]	4366	[6750, 2419]	7695	[10180, 10181]	11024	[12149, 11808]
1038	[1952, 1953]	4367	[2730, 6751]	7696	[5682, 7023]	11025	[1418, 12446]
1039	[1954, 1955]	4368	[5929, 6752]	7697	[6651, 10182]	11026	[9771, 12447]
1040	[1956, 1957]	4369	[629, 5367]	7698	[6270, 627]	11027	[8438, 1496]
1041	[1958, 1959]	4370	[6753, 5943]	7699	[10183, 5385]	11028	[12448, 8326]
1042	[1855, 1960]	4371	[6754, 3065]	7700	[10184, 2374]	11029	[12449, 3888]
1043	[1961, 1962]	4372	[6755, 6326]	7701	[2201, 10185]	11030	[9564, 12450]
1044	[1963, 1964]	4373	[6756, 6757]	7702	[10186, 2279]	11031	[12451, 3417]
1045	[1965, 1966]	4374	[6758, 5338]	7703	[2944, 7145]	11032	[12452, 12352]
1046	[745, 1967]	4375	[6759, 2907]	7704	[10187, 6935]	11033	[4772, 12453]
1047	[1968, 1969]	4376	[6760, 5676]	7705	[6096, 7648]	11034	[11876, 12454]

1048	[1970, 1971]	4377	[6378, 6761]	7706	[764, 862]	11035	[1385, 12455]
1049	[1972, 1973]	4378	[6762, 6763]	7707	[10188, 10189]	11036	[9121, 9667]
1050	[1974, 1975]	4379	[5668, 6764]	7708	[10190, 10191]	11037	[12456, 12457]
1051	[1976, 1977]	4380	[2352, 213]	7709	[10192, 6218]	11038	[12458, 4828]
1052	[1978, 1979]	4381	[2307, 6216]	7710	[10193, 10194]	11039	[12459, 9032]
1053	[1980, 1981]	4382	[6765, 6766]	7711	[10195, 10196]	11040	[9588, 9728]
1054	[1982, 1983]	4383	[2612, 6767]	7712	[7319, 10197]	11041	[12460, 7649]
1055	[1984, 1985]	4384	[5715, 6690]	7713	[10198, 10199]	11042	[12461, 12285]
1056	[1986, 1987]	4385	[6768, 946]	7714	[10200, 2989]	11043	[12462, 4109]
1057	[1988, 1989]	4386	[6769, 6770]	7715	[7311, 809]	11044	[12463, 8031]
1058	[1990, 1991]	4387	[6771, 6772]	7716	[5875, 5628]	11045	[12464, 8381]
1059	[819, 1992]	4388	[5403, 2131]	7717	[10201, 3037]	11046	[12465, 1495]
1060	[1993, 1994]	4389	[6773, 5365]	7718	[7541, 3039]	11047	[12466, 4259]
1061	[1995, 1996]	4390	[6774, 6775]	7719	[574, 6848]	11048	[12467, 1353]
1062	[1997, 1998]	4391	[6776, 202]	7720	[7641, 2886]	11049	[10000, 12186]
1063	[1999, 2000]	4392	[2153, 5889]	7721	[645, 2595]	11050	[10102, 12468]
1064	[2001, 2002]	4393	[6777, 6778]	7722	[10202, 551]	11051	[12469, 12470]
1065	[2003, 2004]	4394	[5962, 5787]	7723	[10203, 10204]	11052	[8643, 12471]
1066	[2005, 2006]	4395	[6433, 6779]	7724	[3119, 2916]	11053	[1143, 4348]
1067	[2007, 1940]	4396	[6780, 2262]	7725	[2759, 10205]	11054	[12472, 4392]
1068	[2008, 2009]	4397	[6781, 6782]	7726	[10206, 6656]	11055	[8596, 4469]
1069	[2010, 2008]	4398	[602, 6783]	7727	[3099, 6925]	11056	[305, 3493]
1070	[2011, 2012]	4399	[6042, 3014]	7728	[7480, 10207]	11057	[12473, 12474]
1071	[2013, 2014]	4400	[6784, 3137]	7729	[10208, 10209]	11058	[12475, 8949]
1072	[2015, 2016]	4401	[6785, 6786]	7730	[3115, 702]	11059	[11824, 4819]
1073	[2017, 2018]	4402	[6787, 6788]	7731	[10210, 10153]	11060	[4996, 8639]
1074	[2019, 2020]	4403	[6059, 6714]	7732	[10211, 6428]	11061	[12476, 10111]
1075	[2021, 2022]	4404	[6789, 5518]	7733	[2248, 7567]	11062	[12477, 979]
1076	[2023, 2024]	4405	[6790, 2894]	7734	[7316, 10212]	11063	[4564, 12478]
1077	[2025, 2026]	4406	[6791, 6792]	7735	[10213, 10214]	11064	[12479, 4218]
1078	[2027, 1822]	4407	[6793, 1998]	7736	[2426, 10215]	11065	[12480, 4393]
1079	[2028, 2029]	4408	[6794, 2841]	7737	[6295, 7239]	11066	[12481, 12482]
1080	[2030, 2031]	4409	[6301, 6140]	7738	[10216, 2984]	11067	[12483, 12484]
1081	[2032, 2033]	4410	[6795, 3111]	7739	[10217, 6140]	11068	[12485, 10066]
1082	[2034, 2035]	4411	[6796, 6392]	7740	[10218, 930]	11069	[12486, 1638]
1083	[646, 2036]	4412	[6797, 562]	7741	[6968, 6516]	11070	[12487, 122]
1084	[2037, 2038]	4413	[709, 6798]	7742	[10219, 2772]	11071	[9832, 1249]
1085	[2039, 2040]	4414	[6758, 5748]	7743	[10220, 2085]	11072	[12488, 9650]
1086	[2041, 2042]	4415	[6315, 6577]	7744	[10221, 6179]	11073	[12489, 448]
1087	[2043, 2044]	4416	[6799, 6800]	7745	[2079, 6944]	11074	[12490, 1507]
1088	[2045, 2046]	4417	[2249, 6801]	7746	[6244, 10222]	11075	[12491, 351]
1089	[2047, 522]	4418	[715, 6802]	7747	[2823, 2873]	11076	[12492, 11759]
1090	[40, 2048]	4419	[6803, 6549]	7748	[10223, 2504]	11077	[12493, 4663]
1091	[2049, 2050]	4420	[6804, 774]	7749	[10224, 7301]	11078	[8074, 8183]

1092	[2051, 1989]	4421	[6805, 6806]	7750	[7206, 10225]	11079	[11761, 4767]
1093	[2052, 2053]	4422	[2876, 2334]	7751	[10226, 6822]	11080	[12494, 1734]
1094	[2054, 2055]	4423	[6807, 2158]	7752	[10227, 3156]	11081	[12495, 9240]
1095	[2056, 2057]	4424	[6808, 6029]	7753	[10228, 10229]	11082	[9142, 9805]
1096	[2058, 2059]	4425	[6809, 6810]	7754	[10230, 10231]	11083	[12496, 12497]
1097	[2060, 2061]	4426	[6469, 6811]	7755	[5643, 244]	11084	[12498, 3543]
1098	[2062, 2063]	4427	[2428, 6812]	7756	[6638, 155]	11085	[12499, 12500]
1099	[2064, 39]	4428	[3012, 6813]	7757	[10232, 6856]	11086	[12501, 11793]
1100	[2065, 2066]	4429	[6814, 2856]	7758	[5791, 10233]	11087	[8620, 4620]
1101	[2067, 2068]	4430	[5457, 6815]	7759	[10234, 10235]	11088	[3317, 4960]
1102	[2066, 655]	4431	[6271, 6816]	7760	[658, 2082]	11089	[12502, 4930]
1103	[2069, 2070]	4432	[3138, 3050]	7761	[10236, 10237]	11090	[9163, 5089]
1104	[2071, 2072]	4433	[6817, 6818]	7762	[10238, 10239]	11091	[12503, 310]
1105	[1839, 2073]	4434	[6819, 2244]	7763	[10240, 10241]	11092	[12504, 3252]
1106	[2074, 2075]	4435	[6820, 5826]	7764	[680, 6468]	11093	[12505, 4421]
1107	[2076, 2077]	4436	[6821, 6822]	7765	[10242, 5901]	11094	[12506, 4256]
1108	[2078, 2079]	4437	[6823, 6824]	7766	[7014, 10243]	11095	[12507, 12508]
1109	[2080, 2081]	4438	[6825, 6826]	7767	[6877, 10244]	11096	[8175, 1483]
1110	[2082, 2083]	4439	[6827, 6828]	7768	[10245, 10246]	11097	[12509, 11841]
1111	[2084, 2085]	4440	[6829, 6830]	7769	[10232, 915]	11098	[12510, 3568]
1112	[2086, 2087]	4441	[5307, 6831]	7770	[10247, 599]	11099	[12511, 996]
1113	[2088, 2089]	4442	[6832, 6833]	7771	[10248, 10249]	11100	[12512, 4486]
1114	[2090, 2091]	4443	[5814, 870]	7772	[5448, 919]	11101	[12386, 3329]
1115	[1962, 2092]	4444	[2889, 2462]	7773	[2275, 10250]	11102	[12513, 4711]
1116	[2093, 2094]	4445	[6027, 1922]	7774	[10251, 2794]	11103	[12514, 3255]
1117	[2095, 2096]	4446	[6834, 6835]	7775	[10252, 5946]	11104	[12515, 12516]
1118	[2097, 2098]	4447	[6836, 740]	7776	[7518, 10253]	11105	[12517, 3802]
1119	[2099, 2100]	4448	[6099, 763]	7777	[901, 5996]	11106	[1703, 5021]
1120	[510, 2101]	4449	[2541, 2650]	7778	[10254, 10255]	11107	[12169, 3767]
1121	[2102, 2103]	4450	[2804, 6837]	7779	[10256, 1897]	11108	[12518, 7722]
1122	[2104, 836]	4451	[6838, 3140]	7780	[6578, 10257]	11109	[4173, 9823]
1123	[2105, 2106]	4452	[2319, 6839]	7781	[6394, 1961]	11110	[9355, 4271]
1124	[2107, 2108]	4453	[2077, 6840]	7782	[2704, 6074]	11111	[12519, 3281]
1125	[2109, 2110]	4454	[6841, 6068]	7783	[5366, 10258]	11112	[12520, 9760]
1126	[2111, 2112]	4455	[208, 6842]	7784	[5367, 5697]	11113	[11779, 5214]
1127	[2113, 2114]	4456	[845, 2576]	7785	[10259, 10260]	11114	[12521, 12522]
1128	[2115, 2116]	4457	[6035, 6843]	7786	[2143, 1933]	11115	[12523, 4544]
1129	[2117, 2118]	4458	[6844, 3121]	7787	[10261, 10262]	11116	[4923, 9015]
1130	[2119, 2120]	4459	[6845, 6846]	7788	[10263, 793]	11117	[3428, 8078]
1131	[2121, 2122]	4460	[6847, 919]	7789	[10173, 6857]	11118	[12524, 9183]
1132	[2123, 2124]	4461	[939, 2271]	7790	[7071, 10264]	11119	[12525, 5193]
1133	[2125, 2126]	4462	[6848, 721]	7791	[6338, 1942]	11120	[12526, 8109]
1134	[2127, 2128]	4463	[6849, 5734]	7792	[710, 5753]	11121	[12527, 12528]
1135	[2129, 2130]	4464	[5772, 3057]	7793	[6565, 2149]	11122	[12529, 4084]

1136	[2131, 2132]	4465	[6850, 2518]	7794	[48, 2332]	11123	[12530, 4371]
1137	[2133, 2134]	4466	[6851, 6852]	7795	[10265, 6456]	11124	[12531, 4372]
1138	[2135, 731]	4467	[6853, 6398]	7796	[10266, 10267]	11125	[4141, 8055]
1139	[2136, 2137]	4468	[6854, 5910]	7797	[10268, 6398]	11126	[7665, 3663]
1140	[2138, 1798]	4469	[6855, 6856]	7798	[10269, 736]	11127	[12532, 8048]
1141	[2139, 2140]	4470	[5540, 6857]	7799	[5346, 5451]	11128	[7836, 12533]
1142	[2141, 2042]	4471	[6858, 5921]	7800	[164, 6881]	11129	[12534, 1739]
1143	[2142, 567]	4472	[6859, 2361]	7801	[2920, 6473]	11130	[12535, 12143]
1144	[2143, 2144]	4473	[2623, 2817]	7802	[5747, 2710]	11131	[4653, 12536]
1145	[2145, 2089]	4474	[6860, 6695]	7803	[6454, 3041]	11132	[12537, 4962]
1146	[2146, 2147]	4475	[2233, 5939]	7804	[2203, 10270]	11133	[12538, 4]
1147	[2148, 2149]	4476	[6861, 6862]	7805	[7543, 10271]	11134	[12539, 4594]
1148	[2150, 2151]	4477	[2014, 5930]	7806	[10272, 10273]	11135	[12540, 8293]
1149	[2152, 2153]	4478	[2590, 1993]	7807	[7410, 1894]	11136	[12203, 5273]
1150	[2154, 2155]	4479	[6863, 6001]	7808	[10274, 10275]	11137	[12541, 8865]
1151	[2156, 2157]	4480	[6864, 3115]	7809	[10276, 5763]	11138	[12542, 9009]
1152	[2158, 2159]	4481	[6865, 5563]	7810	[10277, 585]	11139	[12543, 7965]
1153	[2160, 2161]	4482	[682, 6866]	7811	[5404, 2132]	11140	[12544, 9160]
1154	[2162, 2163]	4483	[2503, 6744]	7812	[6418, 10278]	11141	[12545, 1700]
1155	[2164, 2165]	4484	[6867, 6379]	7813	[10261, 10279]	11142	[12546, 4138]
1156	[2166, 2167]	4485	[6868, 2566]	7814	[2353, 5412]	11143	[12547, 7783]
1157	[2168, 2169]	4486	[223, 6869]	7815	[10280, 10281]	11144	[9134, 12548]
1158	[39, 2170]	4487	[6870, 6324]	7816	[770, 492]	11145	[1315, 1692]
1159	[642, 2171]	4488	[6647, 885]	7817	[7035, 5366]	11146	[12549, 12550]
1160	[2172, 2173]	4489	[6871, 6872]	7818	[732, 6845]	11147	[12551, 8542]
1161	[2174, 2175]	4490	[6873, 6874]	7819	[10282, 2252]	11148	[1750, 12552]
1162	[2176, 2177]	4491	[6875, 135]	7820	[10283, 2882]	11149	[12553, 1201]
1163	[2178, 2179]	4492	[6876, 6877]	7821	[10284, 10285]	11150	[4627, 12554]
1164	[2180, 2181]	4493	[772, 3061]	7822	[5473, 6363]	11151	[12555, 1003]
1165	[2182, 2183]	4494	[6878, 6879]	7823	[10286, 10287]	11152	[12556, 4229]
1166	[2184, 2185]	4495	[6880, 6881]	7824	[6424, 5799]	11153	[4329, 8811]
1167	[2186, 2187]	4496	[6882, 6883]	7825	[10288, 6009]	11154	[9492, 5063]
1168	[2188, 741]	4497	[6884, 2348]	7826	[10289, 2968]	11155	[12557, 8133]
1169	[2189, 2190]	4498	[5850, 591]	7827	[5595, 10290]	11156	[3407, 12558]
1170	[2191, 2192]	4499	[6885, 6169]	7828	[7143, 2066]	11157	[12559, 1708]
1171	[526, 2193]	4500	[6886, 728]	7829	[2688, 10291]	11158	[4193, 7883]
1172	[2194, 2195]	4501	[6887, 2660]	7830	[6333, 10292]	11159	[12560, 1615]
1173	[2196, 2197]	4502	[6888, 6889]	7831	[2772, 804]	11160	[12561, 9033]
1174	[2198, 789]	4503	[3172, 5379]	7832	[10293, 7263]	11161	[103, 12562]
1175	[2199, 140]	4504	[6890, 6891]	7833	[7279, 6652]	11162	[12563, 4439]
1176	[2200, 2135]	4505	[6892, 5804]	7834	[2929, 10294]	11163	[12564, 12565]
1177	[931, 2201]	4506	[6893, 6894]	7835	[10295, 6378]	11164	[12566, 8064]
1178	[2202, 2203]	4507	[6895, 6896]	7836	[10296, 2633]	11165	[12567, 3650]
1179	[2204, 2205]	4508	[6897, 2375]	7837	[2812, 10297]	11166	[9436, 12209]

1180	[2206, 2207]	4509	[2011, 6898]	7838	[60, 10298]	11167	[12370, 3933]
1181	[2208, 2209]	4510	[6899, 6660]	7839	[10299, 2292]	11168	[1206, 8318]
1182	[2210, 2211]	4511	[6900, 6901]	7840	[6253, 10300]	11169	[12568, 1314]
1183	[2212, 2213]	4512	[6902, 6903]	7841	[10301, 10302]	11170	[12569, 8307]
1184	[2214, 2215]	4513	[6095, 2766]	7842	[1838, 10303]	11171	[1008, 12570]
1185	[2216, 2205]	4514	[2416, 3003]	7843	[6727, 3105]	11172	[12571, 8529]
1186	[689, 2217]	4515	[6752, 2326]	7844	[840, 3012]	11173	[12572, 12187]
1187	[2218, 2219]	4516	[6904, 1864]	7845	[10304, 6588]	11174	[12573, 1584]
1188	[2220, 2221]	4517	[6905, 6203]	7846	[5576, 10305]	11175	[12574, 1358]
1189	[2222, 2223]	4518	[2626, 6906]	7847	[6398, 2317]	11176	[8268, 9733]
1190	[2224, 1878]	4519	[6907, 6908]	7848	[1932, 7124]	11177	[12575, 12576]
1191	[2225, 2226]	4520	[6909, 6910]	7849	[7539, 2558]	11178	[12577, 12578]
1192	[2227, 2228]	4521	[6911, 2601]	7850	[10306, 922]	11179	[12579, 8182]
1193	[2229, 2230]	4522	[6912, 6134]	7851	[10307, 10308]	11180	[12580, 12581]
1194	[2231, 2232]	4523	[6913, 2168]	7852	[10309, 7201]	11181	[8463, 1392]
1195	[143, 2233]	4524	[6914, 6915]	7853	[6411, 815]	11182	[12582, 3799]
1196	[2234, 2235]	4525	[6916, 6677]	7854	[10310, 2586]	11183	[12583, 1079]
1197	[2236, 2237]	4526	[6628, 6917]	7855	[6737, 1812]	11184	[12584, 7826]
1198	[2238, 2178]	4527	[6918, 5805]	7856	[6631, 572]	11185	[9911, 8490]
1199	[2239, 2240]	4528	[6569, 6215]	7857	[10311, 7026]	11186	[12585, 3478]
1200	[2134, 2241]	4529	[6919, 552]	7858	[10312, 6077]	11187	[12586, 3884]
1201	[2242, 2243]	4530	[6920, 6921]	7859	[10313, 714]	11188	[12587, 3504]
1202	[2244, 2245]	4531	[6922, 6923]	7860	[6445, 146]	11189	[4224, 5014]
1203	[2246, 2247]	4532	[6243, 2431]	7861	[10314, 10315]	11190	[12588, 12589]
1204	[2248, 2249]	4533	[6924, 6925]	7862	[10316, 10317]	11191	[3563, 1475]
1205	[2250, 2251]	4534	[6926, 2175]	7863	[6656, 6099]	11192	[12590, 8721]
1206	[2252, 785]	4535	[6927, 6928]	7864	[10312, 2011]	11193	[12133, 12591]
1207	[2253, 2254]	4536	[6929, 6930]	7865	[10318, 3136]	11194	[9345, 9476]
1208	[2255, 2256]	4537	[5990, 637]	7866	[10319, 10320]	11195	[12592, 12593]
1209	[2257, 2258]	4538	[6931, 6932]	7867	[1817, 5578]	11196	[5187, 9369]
1210	[2259, 2260]	4539	[753, 6933]	7868	[10321, 237]	11197	[12594, 4645]
1211	[2261, 2262]	4540	[6934, 6935]	7869	[2417, 6100]	11198	[12595, 12596]
1212	[2263, 2264]	4541	[6563, 2827]	7870	[7578, 10322]	11199	[12597, 8402]
1213	[2265, 2266]	4542	[6504, 3129]	7871	[10323, 3099]	11200	[3824, 8142]
1214	[2267, 2268]	4543	[6936, 515]	7872	[10324, 10325]	11201	[12598, 4126]
1215	[2269, 2270]	4544	[6007, 6937]	7873	[6219, 6087]	11202	[12599, 12346]
1216	[668, 2271]	4545	[6938, 5679]	7874	[786, 7578]	11203	[12600, 9952]
1217	[1904, 2272]	4546	[6939, 5534]	7875	[2983, 10326]	11204	[12601, 4098]
1218	[2273, 2274]	4547	[6940, 6941]	7876	[5429, 7162]	11205	[7964, 11954]
1219	[2275, 2276]	4548	[6942, 6910]	7877	[6588, 2425]	11206	[7784, 4859]
1220	[2277, 2278]	4549	[6943, 6944]	7878	[10327, 2734]	11207	[3828, 1289]
1221	[2279, 2280]	4550	[6945, 5495]	7879	[2682, 5576]	11208	[12602, 1761]
1222	[2281, 2282]	4551	[6946, 6130]	7880	[5532, 10328]	11209	[10123, 12603]
1223	[2283, 2284]	4552	[2836, 548]	7881	[10329, 7028]	11210	[8290, 4905]

1224	[2285, 2286]	4553	[2689, 6797]	7882	[6424, 10330]	11211	[12604, 1633]
1225	[2287, 2288]	4554	[6947, 6948]	7883	[7354, 7487]	11212	[8658, 4153]
1226	[2289, 2290]	4555	[2801, 6755]	7884	[7071, 10331]	11213	[8150, 12605]
1227	[2291, 172]	4556	[6949, 6766]	7885	[2388, 6211]	11214	[4985, 12304]
1228	[2292, 808]	4557	[2227, 6950]	7886	[10332, 10333]	11215	[12606, 1449]
1229	[2293, 2294]	4558	[6951, 6279]	7887	[10334, 2583]	11216	[12607, 8938]
1230	[2295, 2296]	4559	[6952, 6062]	7888	[10335, 2078]	11217	[12608, 8641]
1231	[887, 2297]	4560	[2432, 6953]	7889	[5316, 10156]	11218	[1158, 4611]
1232	[2298, 595]	4561	[6954, 6955]	7890	[10336, 2865]	11219	[12609, 9926]
1233	[2299, 2300]	4562	[6342, 154]	7891	[10337, 3128]	11220	[3586, 12610]
1234	[2301, 2302]	4563	[6956, 6957]	7892	[10338, 2949]	11221	[9113, 4118]
1235	[2303, 557]	4564	[5422, 6958]	7893	[10339, 6706]	11222	[3485, 3615]
1236	[2304, 2305]	4565	[6933, 816]	7894	[10340, 10341]	11223	[12611, 12063]
1237	[2306, 2307]	4566	[6959, 764]	7895	[10342, 10343]	11224	[8952, 4142]
1238	[2308, 2309]	4567	[6960, 6961]	7896	[10344, 1905]	11225	[12027, 12612]
1239	[2310, 2311]	4568	[1843, 6962]	7897	[10345, 10346]	11226	[1340, 4253]
1240	[2312, 712]	4569	[6963, 2830]	7898	[6799, 10347]	11227	[12613, 12427]
1241	[2313, 2314]	4570	[6964, 2214]	7899	[10348, 10349]	11228	[5098, 9891]
1242	[2315, 2316]	4571	[5944, 6965]	7900	[743, 941]	11229	[1256, 977]
1243	[2317, 2318]	4572	[1798, 6966]	7901	[1949, 10350]	11230	[12614, 8886]
1244	[2319, 2320]	4573	[6967, 2940]	7902	[5312, 2543]	11231	[12615, 9269]
1245	[2321, 2322]	4574	[6968, 6969]	7903	[6838, 2597]	11232	[4803, 12151]
1246	[2323, 2324]	4575	[6970, 6971]	7904	[10351, 10352]	11233	[8028, 9778]
1247	[2325, 2326]	4576	[6972, 6598]	7905	[6994, 7376]	11234	[4454, 12616]
1248	[2327, 2328]	4577	[6973, 6974]	7906	[10353, 660]	11235	[12617, 12618]
1249	[2329, 2330]	4578	[6975, 6976]	7907	[2214, 1833]	11236	[7807, 9131]
1250	[2331, 2332]	4579	[2189, 896]	7908	[5674, 10354]	11237	[12619, 4419]
1251	[2333, 2334]	4580	[6977, 2898]	7909	[5447, 6847]	11238	[3557, 3289]
1252	[2335, 2336]	4581	[2722, 6978]	7910	[10355, 10356]	11239	[12620, 4139]
1253	[2337, 2338]	4582	[2512, 2088]	7911	[5994, 7546]	11240	[12621, 3208]
1254	[2339, 1928]	4583	[6979, 6980]	7912	[5870, 5767]	11241	[11968, 12622]
1255	[741, 2340]	4584	[677, 6981]	7913	[10244, 7551]	11242	[4719, 3828]
1256	[2341, 2342]	4585	[5885, 1800]	7914	[6819, 7101]	11243	[8898, 4039]
1257	[2343, 2344]	4586	[6982, 946]	7915	[2845, 10357]	11244	[12623, 4174]
1258	[2345, 2346]	4587	[6983, 948]	7916	[5304, 10358]	11245	[8382, 4413]
1259	[2347, 710]	4588	[5961, 6984]	7917	[6313, 2554]	11246	[12624, 12625]
1260	[2348, 2349]	4589	[6985, 6986]	7918	[6139, 7162]	11247	[12626, 6]
1261	[582, 2350]	4590	[6987, 6988]	7919	[10359, 3027]	11248	[12627, 9817]
1262	[2351, 2352]	4591	[6989, 6990]	7920	[820, 5335]	11249	[12628, 12629]
1263	[2353, 2354]	4592	[6690, 247]	7921	[6856, 916]	11250	[12630, 9723]
1264	[2355, 2356]	4593	[6991, 2166]	7922	[6584, 10360]	11251	[12631, 1697]
1265	[2357, 13]	4594	[5671, 6992]	7923	[10361, 6724]	11252	[12632, 1076]
1266	[2358, 2359]	4595	[747, 2527]	7924	[2337, 10362]	11253	[4776, 3845]
1267	[2360, 2361]	4596	[6993, 6994]	7925	[2274, 2627]	11254	[12633, 9132]

1268	[2362, 2363]	4597	[1935, 2531]	7926	[10363, 10364]	11255	[1609, 4871]
1269	[2093, 2364]	4598	[1918, 6995]	7927	[10365, 10366]	11256	[12634, 3259]
1270	[2365, 2366]	4599	[1945, 6229]	7928	[6801, 2448]	11257	[3863, 12635]
1271	[2367, 2368]	4600	[6996, 6997]	7929	[6534, 10309]	11258	[3749, 1104]
1272	[2369, 2370]	4601	[6998, 5491]	7930	[731, 7041]	11259	[8487, 4233]
1273	[2371, 2372]	4602	[5313, 6999]	7931	[60, 5851]	11260	[3755, 96]
1274	[2373, 2374]	4603	[1951, 5489]	7932	[10367, 10368]	11261	[70, 9306]
1275	[1989, 2375]	4604	[7000, 2105]	7933	[10369, 10370]	11262	[7739, 1056]
1276	[2376, 2377]	4605	[7001, 7002]	7934	[189, 10300]	11263	[12636, 9566]
1277	[2378, 2379]	4606	[7003, 6043]	7935	[5560, 10371]	11264	[12637, 4630]
1278	[2380, 2381]	4607	[6594, 6256]	7936	[2109, 903]	11265	[12638, 4146]
1279	[2382, 2383]	4608	[7004, 2561]	7937	[10322, 5939]	11266	[8753, 12066]
1280	[2384, 2385]	4609	[2039, 7005]	7938	[10372, 10373]	11267	[8163, 9188]
1281	[902, 2110]	4610	[7006, 6026]	7939	[10374, 10338]	11268	[1450, 4137]
1282	[2386, 705]	4611	[3122, 6958]	7940	[5440, 10375]	11269	[12639, 1175]
1283	[813, 2387]	4612	[2170, 2048]	7941	[10376, 5315]	11270	[12640, 1791]
1284	[2388, 2389]	4613	[5969, 3141]	7942	[10377, 10378]	11271	[1763, 9557]
1285	[2390, 2391]	4614	[2117, 6654]	7943	[3055, 7594]	11272	[12641, 1171]
1286	[2392, 2393]	4615	[7007, 2041]	7944	[2890, 10379]	11273	[12642, 10126]
1287	[2394, 2395]	4616	[7008, 7009]	7945	[1931, 7123]	11274	[12643, 12644]
1288	[2396, 1879]	4617	[7010, 7011]	7946	[5492, 10360]	11275	[8807, 11736]
1289	[2397, 2398]	4618	[7012, 6553]	7947	[5408, 10380]	11276	[5236, 4222]
1290	[2399, 2400]	4619	[7013, 7014]	7948	[10381, 10382]	11277	[12645, 9759]
1291	[2401, 2402]	4620	[7015, 3068]	7949	[2530, 10383]	11278	[12646, 3840]
1292	[2403, 2404]	4621	[7016, 2091]	7950	[168, 3165]	11279	[12647, 7657]
1293	[2405, 2406]	4622	[1900, 2305]	7951	[10384, 3162]	11280	[3196, 5202]
1294	[2407, 2408]	4623	[5981, 2079]	7952	[3129, 2185]	11281	[1420, 7849]
1295	[1910, 2409]	4624	[7017, 7018]	7953	[5863, 10385]	11282	[12435, 11788]
1296	[2410, 2411]	4625	[5651, 7019]	7954	[1809, 5713]	11283	[7690, 9813]
1297	[2412, 2413]	4626	[7020, 6578]	7955	[2203, 7365]	11284	[12648, 4341]
1298	[2414, 2415]	4627	[1834, 5610]	7956	[10175, 5459]	11285	[12649, 1406]
1299	[2416, 2417]	4628	[5694, 7021]	7957	[10386, 624]	11286	[12650, 12651]
1300	[2418, 2419]	4629	[7022, 7023]	7958	[10387, 5514]	11287	[12652, 461]
1301	[2420, 2155]	4630	[6544, 7024]	7959	[10388, 5396]	11288	[12653, 1395]
1302	[2421, 2422]	4631	[882, 5751]	7960	[10389, 2550]	11289	[8676, 7770]
1303	[2423, 2424]	4632	[7025, 7026]	7961	[10390, 10391]	11290	[3829, 12534]
1304	[2425, 2426]	4633	[245, 7027]	7962	[5370, 6609]	11291	[12654, 5218]
1305	[2427, 2428]	4634	[7028, 6206]	7963	[10392, 10303]	11292	[5274, 4668]
1306	[2429, 2430]	4635	[1895, 2061]	7964	[7582, 518]	11293	[1208, 8275]
1307	[2431, 162]	4636	[7029, 2972]	7965	[10393, 232]	11294	[3916, 11716]
1308	[2432, 2433]	4637	[7030, 5729]	7966	[7609, 10394]	11295	[8972, 4265]
1309	[2434, 2435]	4638	[5412, 7031]	7967	[10296, 7156]	11296	[12578, 8922]
1310	[2436, 2437]	4639	[5604, 193]	7968	[2222, 10395]	11297	[12655, 9011]
1311	[2438, 2439]	4640	[6375, 528]	7969	[7553, 10396]	11298	[12050, 7902]

1312	[2440, 2441]	4641	[7032, 2274]	7970	[6741, 2846]	11299	[10130, 12656]
1313	[2442, 2064]	4642	[7033, 2461]	7971	[6031, 2275]	11300	[9044, 8835]
1314	[2443, 2444]	4643	[7034, 7035]	7972	[10397, 2620]	11301	[1472, 1651]
1315	[2445, 2446]	4644	[816, 5314]	7973	[6196, 10398]	11302	[9478, 12470]
1316	[2447, 2448]	4645	[7036, 7037]	7974	[10399, 10400]	11303	[12657, 9456]
1317	[2449, 2450]	4646	[5771, 7038]	7975	[7193, 10401]	11304	[12658, 4549]
1318	[2037, 766]	4647	[2271, 7039]	7976	[10402, 10403]	11305	[12659, 12660]
1319	[1943, 2451]	4648	[7040, 7041]	7977	[7330, 7534]	11306	[12661, 12662]
1320	[2452, 2453]	4649	[7042, 7043]	7978	[10404, 10405]	11307	[12663, 12664]
1321	[2454, 2455]	4650	[6086, 575]	7979	[10406, 10407]	11308	[12665, 7768]
1322	[2456, 2457]	4651	[7044, 6779]	7980	[2426, 10408]	11309	[12666, 10056]
1323	[2458, 2459]	4652	[7045, 7046]	7981	[685, 10409]	11310	[1251, 4816]
1324	[2460, 2083]	4653	[7047, 7048]	7982	[10410, 10411]	11311	[12667, 12117]
1325	[2461, 2462]	4654	[2944, 2587]	7983	[2725, 10412]	11312	[12668, 1172]
1326	[2367, 2463]	4655	[7049, 7050]	7984	[6425, 10413]	11313	[3738, 8336]
1327	[599, 2464]	4656	[5699, 5839]	7985	[10414, 10415]	11314	[12669, 9626]
1328	[1794, 2465]	4657	[7051, 5532]	7986	[1948, 7454]	11315	[12670, 12671]
1329	[2466, 2467]	4658	[249, 7052]	7987	[10416, 2787]	11316	[4178, 11902]
1330	[2468, 2469]	4659	[7053, 7054]	7988	[6724, 10417]	11317	[12020, 3683]
1331	[2470, 2471]	4660	[5331, 6863]	7989	[6860, 6682]	11318	[12130, 4886]
1332	[2472, 2473]	4661	[7055, 7056]	7990	[2795, 10418]	11319	[12672, 12673]
1333	[2474, 2475]	4662	[6718, 7057]	7991	[7600, 10419]	11320	[12674, 3747]
1334	[2476, 2477]	4663	[6252, 2661]	7992	[10420, 10421]	11321	[8705, 8448]
1335	[2478, 2479]	4664	[853, 3127]	7993	[7018, 6419]	11322	[12439, 11884]
1336	[1968, 516]	4665	[7058, 2826]	7994	[6734, 7063]	11323	[9870, 7767]
1337	[2480, 2481]	4666	[899, 5498]	7995	[5452, 10422]	11324	[12675, 1328]
1338	[2482, 604]	4667	[6328, 5515]	7996	[6458, 1940]	11325	[12676, 9490]
1339	[2483, 2484]	4668	[7059, 7060]	7997	[7277, 10423]	11326	[12677, 3837]
1340	[2485, 2486]	4669	[7061, 6598]	7998	[10424, 10425]	11327	[4707, 8616]
1341	[47, 2331]	4670	[6264, 7062]	7999	[5746, 2424]	11328	[1611, 9253]
1342	[2487, 2488]	4671	[7063, 5594]	8000	[5595, 10426]	11329	[9062, 5187]
1343	[2489, 2490]	4672	[7064, 6841]	8001	[10427, 10428]	11330	[12470, 12296]
1344	[2491, 2492]	4673	[7065, 7066]	8002	[10429, 6614]	11331	[9966, 8685]
1345	[2493, 2494]	4674	[6320, 6387]	8003	[10430, 6835]	11332	[12678, 285]
1346	[2386, 39]	4675	[7067, 648]	8004	[3028, 10431]	11333	[12679, 277]
1347	[2495, 2496]	4676	[7068, 7069]	8005	[10432, 2890]	11334	[12680, 12681]
1348	[2497, 2498]	4677	[7070, 7071]	8006	[10433, 5522]	11335	[9811, 4492]
1349	[2499, 2500]	4678	[7072, 3049]	8007	[10182, 170]	11336	[12682, 12683]
1350	[2258, 2501]	4679	[7073, 2074]	8008	[10434, 7003]	11337	[3267, 1344]
1351	[2502, 2503]	4680	[2420, 565]	8009	[5919, 10435]	11338	[12684, 1491]
1352	[670, 2504]	4681	[5401, 3144]	8010	[6426, 7454]	11339	[12685, 10013]
1353	[2505, 2506]	4682	[2948, 5407]	8011	[7556, 5570]	11340	[8975, 8323]
1354	[2507, 2508]	4683	[5797, 7074]	8012	[6385, 5914]	11341	[12686, 8813]
1355	[2509, 763]	4684	[7075, 6053]	8013	[554, 5897]	11342	[11941, 12687]

1356	[927, 2510]	4685	[7076, 7077]	8014	[6188, 10436]	11343	[12688, 8065]
1357	[2511, 2512]	4686	[7078, 7079]	8015	[3047, 191]	11344	[5277, 379]
1358	[2513, 2514]	4687	[2173, 6402]	8016	[10437, 10438]	11345	[1255, 4765]
1359	[2515, 2516]	4688	[6859, 2115]	8017	[10439, 10440]	11346	[12689, 12082]
1360	[2517, 2518]	4689	[7080, 6105]	8018	[10441, 10442]	11347	[12690, 9877]
1361	[1949, 2519]	4690	[6825, 7081]	8019	[1896, 5384]	11348	[12691, 335]
1362	[2520, 2521]	4691	[7082, 7083]	8020	[10443, 2692]	11349	[12692, 8467]
1363	[2522, 2523]	4692	[7084, 6296]	8021	[10444, 10445]	11350	[1342, 1250]
1364	[2524, 2525]	4693	[7085, 5993]	8022	[10446, 10447]	11351	[12693, 12694]
1365	[2526, 2527]	4694	[2243, 1924]	8023	[10448, 7081]	11352	[8759, 12695]
1366	[2528, 2285]	4695	[7086, 6674]	8024	[2538, 5962]	11353	[12696, 8696]
1367	[2529, 2530]	4696	[5923, 5568]	8025	[10449, 5970]	11354	[3498, 1002]
1368	[2531, 2532]	4697	[495, 7087]	8026	[10450, 5446]	11355	[10105, 314]
1369	[2533, 2379]	4698	[127, 5418]	8027	[7503, 7575]	11356	[288, 7893]
1370	[2534, 2535]	4699	[7088, 2269]	8028	[10369, 10451]	11357	[12697, 431]
1371	[2536, 2537]	4700	[684, 2344]	8029	[728, 2058]	11358	[12698, 9779]
1372	[2538, 2539]	4701	[7089, 6607]	8030	[10452, 938]	11359	[12699, 4313]
1373	[2540, 2541]	4702	[7064, 7090]	8031	[10453, 1828]	11360	[12700, 9184]
1374	[2542, 2543]	4703	[7091, 2854]	8032	[538, 2054]	11361	[12701, 8777]
1375	[2544, 2545]	4704	[7092, 233]	8033	[6842, 5952]	11362	[3683, 1288]
1376	[2546, 2547]	4705	[5907, 6799]	8034	[6918, 10454]	11363	[12702, 3396]
1377	[2548, 2549]	4706	[7093, 7094]	8035	[10455, 10250]	11364	[12703, 1545]
1378	[2550, 2551]	4707	[7095, 2499]	8036	[7399, 10225]	11365	[12287, 9374]
1379	[1933, 2552]	4708	[3024, 6712]	8037	[2088, 10456]	11366	[12704, 11782]
1380	[1859, 2553]	4709	[7096, 2192]	8038	[10457, 910]	11367	[12454, 8411]
1381	[2081, 2554]	4710	[7097, 7098]	8039	[1924, 2097]	11368	[12705, 12454]
1382	[2555, 2556]	4711	[6628, 2792]	8040	[10251, 7635]	11369	[12500, 11770]
1383	[2557, 2558]	4712	[7099, 7100]	8041	[906, 695]	11370	[12706, 4760]
1384	[2559, 2560]	4713	[7101, 2245]	8042	[947, 744]	11371	[3722, 1663]
1385	[2561, 2562]	4714	[7102, 7103]	8043	[7006, 10458]	11372	[11934, 4695]
1386	[2563, 2564]	4715	[3063, 2928]	8044	[556, 3149]	11373	[12707, 8569]
1387	[2565, 2566]	4716	[7104, 933]	8045	[10459, 10460]	11374	[4732, 8429]
1388	[2217, 2567]	4717	[7105, 2325]	8046	[10461, 2177]	11375	[12708, 12709]
1389	[2568, 2569]	4718	[1906, 7106]	8047	[7451, 7362]	11376	[12710, 4768]
1390	[2333, 2570]	4719	[7107, 7108]	8048	[792, 695]	11377	[4456, 4861]
1391	[2571, 2572]	4720	[6219, 5376]	8049	[172, 10323]	11378	[8019, 4728]
1392	[2573, 2574]	4721	[10, 5836]	8050	[2405, 10462]	11379	[12711, 12362]
1393	[2575, 2576]	4722	[7109, 7110]	8051	[10463, 7486]	11380	[12712, 4964]
1394	[2577, 2578]	4723	[6400, 2049]	8052	[3052, 10464]	11381	[12713, 12714]
1395	[2579, 1948]	4724	[5531, 7111]	8053	[6695, 2493]	11382	[12715, 9088]
1396	[2580, 2581]	4725	[7112, 7113]	8054	[10465, 10466]	11383	[12716, 9971]
1397	[2129, 2582]	4726	[1899, 2304]	8055	[10467, 10468]	11384	[8111, 12717]
1398	[2583, 146]	4727	[3162, 6305]	8056	[2525, 2060]	11385	[12718, 291]
1399	[221, 2584]	4728	[7114, 6312]	8057	[6735, 10469]	11386	[1452, 12719]

1400	[2585, 2586]	4729	[7115, 538]	8058	[7300, 10470]	11387	[7999, 10121]
1401	[2587, 2588]	4730	[2913, 6617]	8059	[10471, 5877]	11388	[12720, 9270]
1402	[2589, 2590]	4731	[2510, 7116]	8060	[7542, 10472]	11389	[12721, 3475]
1403	[2591, 2592]	4732	[7117, 532]	8061	[3023, 6848]	11390	[9551, 9966]
1404	[2593, 2594]	4733	[7118, 1807]	8062	[2930, 3149]	11391	[8597, 3251]
1405	[2595, 2596]	4734	[7119, 2779]	8063	[6895, 2464]	11392	[12722, 12723]
1406	[2597, 2598]	4735	[7120, 7121]	8064	[10473, 6864]	11393	[3359, 7986]
1407	[2599, 1943]	4736	[5575, 5917]	8065	[1955, 6906]	11394	[12724, 1489]
1408	[2600, 2601]	4737	[7122, 2373]	8066	[10474, 10475]	11395	[12725, 962]
1409	[2602, 2603]	4738	[860, 2098]	8067	[5681, 7022]	11396	[4725, 1695]
1410	[2604, 2605]	4739	[7123, 7124]	8068	[6820, 850]	11397	[12726, 4809]
1411	[2606, 2607]	4740	[7125, 1966]	8069	[1829, 10476]	11398	[12727, 12728]
1412	[1936, 2532]	4741	[6584, 5493]	8070	[2574, 2849]	11399	[9054, 3774]
1413	[2608, 2609]	4742	[7126, 3157]	8071	[10477, 7256]	11400	[12729, 11783]
1414	[2610, 2611]	4743	[7127, 7128]	8072	[6610, 10478]	11401	[12730, 12731]
1415	[2612, 2613]	4744	[6510, 7129]	8073	[10479, 7247]	11402	[12732, 3574]
1416	[2614, 2615]	4745	[855, 7130]	8074	[10480, 5574]	11403	[12403, 12417]
1417	[2616, 2617]	4746	[5337, 7131]	8075	[10481, 5542]	11404	[12733, 1782]
1418	[179, 658]	4747	[7132, 5480]	8076	[10482, 5902]	11405	[3294, 4535]
1419	[2618, 2619]	4748	[7133, 593]	8077	[10483, 10484]	11406	[12683, 3742]
1420	[2620, 2621]	4749	[7134, 7027]	8078	[2425, 5648]	11407	[9547, 12734]
1421	[2622, 2623]	4750	[7135, 7136]	8079	[1966, 10485]	11408	[3787, 9477]
1422	[634, 2624]	4751	[7137, 603]	8080	[7284, 2788]	11409	[12735, 8753]
1423	[2625, 874]	4752	[7138, 1925]	8081	[10486, 6657]	11410	[4225, 1291]
1424	[1954, 2626]	4753	[6042, 7139]	8082	[10487, 5834]	11411	[10057, 8578]
1425	[1963, 2627]	4754	[2879, 2590]	8083	[529, 10170]	11412	[12736, 12699]
1426	[2628, 2629]	4755	[7140, 3044]	8084	[1881, 10488]	11413	[12737, 1760]
1427	[2630, 2631]	4756	[5659, 6701]	8085	[10489, 5749]	11414	[12738, 331]
1428	[1890, 2207]	4757	[7141, 7142]	8086	[10490, 10491]	11415	[12739, 8428]
1429	[2632, 504]	4758	[7143, 7144]	8087	[10492, 6979]	11416	[7676, 9589]
1430	[2633, 598]	4759	[7145, 2588]	8088	[10493, 6222]	11417	[11714, 12740]
1431	[2283, 810]	4760	[7146, 1868]	8089	[6517, 3085]	11418	[9004, 3604]
1432	[2634, 2635]	4761	[2038, 767]	8090	[10494, 10495]	11419	[12741, 10138]
1433	[674, 2636]	4762	[6929, 7147]	8091	[5579, 5404]	11420	[10076, 12742]
1434	[2637, 2638]	4763	[7148, 7149]	8092	[2926, 680]	11421	[4506, 12624]
1435	[2639, 588]	4764	[7150, 2780]	8093	[2421, 5508]	11422	[12743, 12744]
1436	[35, 2559]	4765	[1928, 7151]	8094	[10496, 7090]	11423	[1023, 9412]
1437	[2640, 2641]	4766	[7152, 2708]	8095	[595, 3023]	11424	[12745, 987]
1438	[2642, 2643]	4767	[7153, 7154]	8096	[5440, 949]	11425	[12746, 5057]
1439	[2644, 132]	4768	[628, 2290]	8097	[918, 2219]	11426	[12747, 3330]
1440	[2645, 2646]	4769	[5512, 7155]	8098	[5431, 10497]	11427	[10051, 12748]
1441	[2647, 2648]	4770	[6966, 2713]	8099	[10498, 2281]	11428	[3907, 4841]
1442	[2649, 1868]	4771	[7156, 598]	8100	[2639, 6351]	11429	[9874, 12749]
1443	[2650, 2651]	4772	[6622, 7157]	8101	[44, 2101]	11430	[12750, 8512]

1444	[2652, 2653]	4773	[7158, 2848]	8102	[3005, 1927]	11431	[12751, 4301]
1445	[2654, 2655]	4774	[7159, 5961]	8103	[7271, 7177]	11432	[4101, 1474]
1446	[2656, 2657]	4775	[7160, 7161]	8104	[5877, 2442]	11433	[8775, 5225]
1447	[2643, 2658]	4776	[7162, 2716]	8105	[2992, 2762]	11434	[9448, 3390]
1448	[2659, 1945]	4777	[7163, 7164]	8106	[1982, 10499]	11435	[11857, 9008]
1449	[2660, 2661]	4778	[7165, 7060]	8107	[10500, 10501]	11436	[12752, 12745]
1450	[2662, 2019]	4779	[156, 7166]	8108	[10502, 10503]	11437	[7845, 12753]
1451	[2663, 2664]	4780	[6671, 2513]	8109	[10504, 6930]	11438	[12754, 8316]
1452	[2665, 2666]	4781	[7167, 5932]	8110	[2271, 5893]	11439	[12755, 12756]
1453	[2667, 2668]	4782	[5352, 7168]	8111	[10505, 2223]	11440	[376, 3548]
1454	[2669, 845]	4783	[1930, 2136]	8112	[10506, 2963]	11441	[12757, 12758]
1455	[2670, 2671]	4784	[7169, 7170]	8113	[10507, 10508]	11442	[9694, 7811]
1456	[2672, 2213]	4785	[7171, 2790]	8114	[6096, 2242]	11443	[12759, 12760]
1457	[2673, 2674]	4786	[7172, 6538]	8115	[6013, 7500]	11444	[1195, 9967]
1458	[2675, 2676]	4787	[7173, 2456]	8116	[2997, 2237]	11445	[3460, 3431]
1459	[2677, 934]	4788	[7174, 7175]	8117	[10509, 5807]	11446	[12761, 11836]
1460	[2678, 2679]	4789	[1818, 7057]	8118	[10510, 7399]	11447	[12762, 12763]
1461	[2114, 2644]	4790	[3101, 7176]	8119	[6884, 7542]	11448	[12764, 4343]
1462	[53, 2680]	4791	[758, 7177]	8120	[7387, 10511]	11449	[8553, 4223]
1463	[2681, 2535]	4792	[7178, 655]	8121	[10512, 10513]	11450	[12765, 8205]
1464	[2312, 2682]	4793	[7052, 6435]	8122	[10397, 10514]	11451	[4249, 9493]
1465	[2683, 2684]	4794	[7179, 5460]	8123	[231, 5709]	11452	[12766, 8006]
1466	[2685, 722]	4795	[7180, 5824]	8124	[10182, 10515]	11453	[4785, 3420]
1467	[2686, 2687]	4796	[2196, 7181]	8125	[10516, 6621]	11454	[12077, 5142]
1468	[2688, 2689]	4797	[7182, 7183]	8126	[2014, 2034]	11455	[12767, 4336]
1469	[2690, 2691]	4798	[7184, 6810]	8127	[6682, 2493]	11456	[12768, 12769]
1470	[2692, 2693]	4799	[7185, 5861]	8128	[10517, 10518]	11457	[9074, 3368]
1471	[2554, 2694]	4800	[547, 7186]	8129	[5538, 10519]	11458	[12770, 9185]
1472	[2695, 2696]	4801	[7187, 5812]	8130	[2934, 844]	11459	[8901, 5129]
1473	[2697, 2698]	4802	[7188, 6221]	8131	[6911, 2485]	11460	[12771, 1779]
1474	[2363, 2410]	4803	[7062, 2495]	8132	[7354, 10520]	11461	[9654, 9761]
1475	[2699, 2700]	4804	[7189, 2358]	8133	[10521, 10522]	11462	[8223, 12772]
1476	[2701, 2702]	4805	[6164, 6764]	8134	[7090, 6068]	11463	[12773, 4043]
1477	[2703, 2218]	4806	[7190, 204]	8135	[5715, 246]	11464	[12774, 115]
1478	[2704, 2705]	4807	[798, 799]	8136	[10523, 7320]	11465	[12775, 333]
1479	[2706, 2707]	4808	[7191, 6365]	8137	[10524, 10525]	11466	[12776, 3489]
1480	[2708, 2709]	4809	[7192, 7106]	8138	[10526, 6346]	11467	[12777, 7834]
1481	[2710, 2711]	4810	[2888, 2461]	8139	[7030, 2751]	11468	[12778, 3664]
1482	[2712, 2713]	4811	[7193, 5811]	8140	[6593, 6255]	11469	[8368, 3333]
1483	[553, 901]	4812	[7194, 6154]	8141	[3016, 6924]	11470	[12779, 7889]
1484	[2368, 2714]	4813	[7195, 7196]	8142	[10527, 10528]	11471	[9486, 9810]
1485	[2448, 2628]	4814	[556, 2931]	8143	[10529, 10530]	11472	[4338, 1576]
1486	[2715, 2716]	4815	[7197, 6470]	8144	[10531, 6058]	11473	[1179, 12780]
1487	[2373, 2717]	4816	[2332, 1990]	8145	[10532, 6460]	11474	[12781, 1552]

1488	[2718, 947]	4817	[6064, 7002]	8146	[3126, 854]	11475	[12782, 8423]
1489	[2719, 2720]	4818	[7198, 723]	8147	[10533, 10534]	11476	[7993, 11856]
1490	[2721, 2722]	4819	[7199, 7200]	8148	[610, 2013]	11477	[12783, 3775]
1491	[2723, 2724]	4820	[2310, 6280]	8149	[10535, 10536]	11478	[12784, 12327]
1492	[2725, 2726]	4821	[5958, 7201]	8150	[658, 2460]	11479	[12785, 12786]
1493	[2727, 2728]	4822	[2792, 7202]	8151	[6964, 1832]	11480	[12428, 12664]
1494	[158, 2729]	4823	[7203, 7204]	8152	[2428, 10537]	11481	[12603, 459]
1495	[2730, 201]	4824	[7205, 1959]	8153	[10538, 5908]	11482	[12787, 10014]
1496	[2731, 2732]	4825	[7206, 7207]	8154	[5941, 5840]	11483	[8269, 12788]
1497	[2733, 2734]	4826	[7208, 2861]	8155	[5466, 6864]	11484	[8161, 12789]
1498	[2735, 2736]	4827	[7209, 6605]	8156	[10539, 10540]	11485	[12790, 12791]
1499	[2737, 2738]	4828	[6057, 1990]	8157	[6804, 10541]	11486	[12792, 1502]
1500	[2739, 583]	4829	[2717, 2824]	8158	[10542, 10543]	11487	[8004, 10041]
1501	[2740, 2240]	4830	[7210, 7211]	8159	[550, 2336]	11488	[12219, 12640]
1502	[2741, 2742]	4831	[7212, 7213]	8160	[7, 2099]	11489	[12432, 262]
1503	[625, 2743]	4832	[235, 3075]	8161	[6391, 5617]	11490	[12793, 8840]
1504	[2744, 2472]	4833	[7214, 7215]	8162	[10544, 2323]	11491	[12794, 1726]
1505	[2745, 2476]	4834	[6915, 5900]	8163	[10545, 6746]	11492	[1365, 3666]
1506	[2746, 647]	4835	[7216, 2429]	8164	[10546, 10547]	11493	[12744, 8267]
1507	[2747, 2020]	4836	[7217, 7218]	8165	[6469, 2896]	11494	[9040, 8622]
1508	[2748, 2749]	4837	[7219, 2895]	8166	[10548, 10549]	11495	[12795, 12796]
1509	[2750, 2557]	4838	[7220, 7221]	8167	[10550, 7382]	11496	[12797, 8422]
1510	[2751, 2752]	4839	[7222, 7223]	8168	[10551, 6332]	11497	[8317, 8833]
1511	[2753, 2297]	4840	[7224, 7225]	8169	[10552, 6793]	11498	[1249, 4970]
1512	[2754, 2755]	4841	[7226, 2724]	8170	[7285, 7634]	11499	[8038, 9272]
1513	[2756, 812]	4842	[6121, 6001]	8171	[141, 6135]	11500	[12798, 5216]
1514	[2757, 2758]	4843	[663, 1865]	8172	[10553, 10554]	11501	[9463, 12097]
1515	[2759, 2760]	4844	[7227, 7228]	8173	[10555, 10556]	11502	[1640, 12294]
1516	[2492, 2761]	4845	[3031, 7229]	8174	[6383, 10557]	11503	[4857, 9583]
1517	[2762, 2763]	4846	[7230, 2665]	8175	[7266, 10394]	11504	[12799, 8747]
1518	[2764, 2765]	4847	[5967, 7231]	8176	[880, 6761]	11505	[12800, 1685]
1519	[2766, 2242]	4848	[7232, 5860]	8177	[629, 5696]	11506	[12128, 3716]
1520	[2761, 2521]	4849	[7233, 2301]	8178	[10558, 923]	11507	[10074, 1274]
1521	[2767, 2768]	4850	[7234, 842]	8179	[5982, 10559]	11508	[1268, 12801]
1522	[2769, 2770]	4851	[7235, 7236]	8180	[10560, 10561]	11509	[12802, 3541]
1523	[2771, 2772]	4852	[7237, 7238]	8181	[8, 2100]	11510	[1565, 1021]
1524	[2773, 2180]	4853	[7084, 7239]	8182	[10, 10562]	11511	[9575, 12563]
1525	[2774, 2775]	4854	[7240, 7241]	8183	[10563, 10175]	11512	[12803, 12563]
1526	[2776, 544]	4855	[7242, 521]	8184	[5574, 156]	11513	[9376, 10058]
1527	[2777, 2778]	4856	[7243, 7043]	8185	[10564, 7156]	11514	[12471, 4752]
1528	[2779, 2780]	4857	[7244, 2164]	8186	[10565, 6192]	11515	[9783, 8365]
1529	[2781, 2782]	4858	[7245, 7246]	8187	[2669, 2575]	11516	[12804, 9558]
1530	[2783, 1898]	4859	[6487, 7247]	8188	[10566, 1858]	11517	[12805, 3512]
1531	[2171, 2534]	4860	[5479, 5359]	8189	[2371, 7151]	11518	[9681, 3797]

1532	[2784, 2785]	4861	[7248, 7249]	8190	[10567, 10568]	11519	[8144, 4257]
1533	[746, 2526]	4862	[5395, 3005]	8191	[612, 10151]	11520	[4316, 5010]
1534	[2786, 2787]	4863	[5460, 7250]	8192	[6033, 739]	11521	[9093, 8272]
1535	[2788, 2789]	4864	[7251, 7211]	8193	[2728, 2582]	11522	[12806, 5159]
1536	[2790, 2791]	4865	[7252, 7253]	8194	[2953, 10569]	11523	[487, 4050]
1537	[1987, 2792]	4866	[5828, 2137]	8195	[10507, 10570]	11524	[12807, 9293]
1538	[2793, 2794]	4867	[2684, 6175]	8196	[6575, 10571]	11525	[12808, 5113]
1539	[2795, 2796]	4868	[5576, 2569]	8197	[10572, 7335]	11526	[1407, 3786]
1540	[2797, 2798]	4869	[5748, 7254]	8198	[2868, 10212]	11527	[123, 12809]
1541	[2799, 2800]	4870	[7164, 6457]	8199	[10573, 2281]	11528	[12810, 12648]
1542	[2801, 2802]	4871	[7255, 6059]	8200	[10574, 5490]	11529	[12811, 9969]
1543	[2803, 2804]	4872	[2904, 713]	8201	[10575, 10576]	11530	[9991, 4164]
1544	[2805, 2806]	4873	[7256, 6481]	8202	[10478, 2181]	11531	[4386, 9812]
1545	[2361, 2116]	4874	[7257, 6990]	8203	[10577, 6879]	11532	[12812, 1158]
1546	[2807, 2808]	4875	[7258, 7259]	8204	[10578, 10579]	11533	[12813, 9933]
1547	[2809, 2810]	4876	[2492, 2520]	8205	[7432, 5566]	11534	[1486, 11708]
1548	[2811, 2812]	4877	[7260, 7261]	8206	[10580, 5554]	11535	[384, 12814]
1549	[2646, 1939]	4878	[7262, 6087]	8207	[10581, 7266]	11536	[328, 3725]
1550	[2813, 2814]	4879	[6605, 5334]	8208	[10582, 10583]	11537	[12763, 8178]
1551	[2815, 2133]	4880	[7263, 6403]	8209	[6492, 7369]	11538	[12815, 5130]
1552	[2816, 2817]	4881	[7264, 6894]	8210	[1946, 10584]	11539	[5165, 7699]
1553	[2818, 580]	4882	[7265, 7266]	8211	[10585, 2904]	11540	[12816, 12817]
1554	[2819, 2820]	4883	[7267, 684]	8212	[6031, 10455]	11541	[12818, 4357]
1555	[2821, 2201]	4884	[7268, 7269]	8213	[10586, 553]	11542	[9555, 8725]
1556	[2822, 2823]	4885	[6153, 1837]	8214	[10587, 231]	11543	[12819, 8348]
1557	[2374, 2824]	4886	[7270, 7271]	8215	[7226, 10588]	11544	[4662, 12537]
1558	[2825, 2826]	4887	[7272, 5606]	8216	[6166, 6311]	11545	[11967, 1352]
1559	[2827, 2520]	4888	[7273, 6196]	8217	[1907, 2363]	11546	[12031, 1632]
1560	[2828, 2829]	4889	[5512, 5453]	8218	[10589, 5866]	11547	[12820, 5109]
1561	[2830, 2831]	4890	[7274, 5808]	8219	[7399, 7207]	11548	[9896, 4543]
1562	[2832, 2833]	4891	[7126, 7275]	8220	[10590, 10591]	11549	[12821, 9924]
1563	[2536, 2834]	4892	[7276, 5736]	8221	[10592, 6425]	11550	[12822, 9811]
1564	[2142, 1922]	4893	[560, 3021]	8222	[742, 940]	11551	[12823, 9968]
1565	[2835, 2836]	4894	[7277, 7108]	8223	[10593, 7482]	11552	[12824, 3258]
1566	[2837, 2838]	4895	[7278, 7279]	8224	[1904, 508]	11553	[12825, 9605]
1567	[2839, 513]	4896	[6927, 7280]	8225	[1970, 10594]	11554	[12656, 4818]
1568	[2635, 2840]	4897	[7281, 7282]	8226	[7209, 1916]	11555	[12826, 4208]
1569	[2841, 2842]	4898	[7283, 2727]	8227	[10595, 10596]	11556	[12827, 9532]
1570	[2843, 2844]	4899	[6631, 5476]	8228	[6268, 10597]	11557	[12828, 12829]
1571	[2845, 2846]	4900	[7284, 2111]	8229	[5981, 6943]	11558	[12830, 375]
1572	[2400, 1861]	4901	[594, 6633]	8230	[5929, 2325]	11559	[12831, 4751]
1573	[2847, 2088]	4902	[6030, 2873]	8231	[10598, 10501]	11560	[3956, 1480]
1574	[2848, 2849]	4903	[2159, 6167]	8232	[511, 5862]	11561	[12832, 9365]
1575	[2850, 2851]	4904	[7285, 7286]	8233	[6493, 2816]	11562	[12833, 5210]

1576	[2852, 867]	4905	[7287, 6211]	8234	[5986, 10599]	11563	[12834, 3522]
1577	[235, 2762]	4906	[7288, 7289]	8235	[5821, 6181]	11564	[12550, 4276]
1578	[2249, 2447]	4907	[2757, 2746]	8236	[10600, 2630]	11565	[4559, 12835]
1579	[2853, 2854]	4908	[7290, 2868]	8237	[10601, 5792]	11566	[8023, 12681]
1580	[2855, 2856]	4909	[7291, 7292]	8238	[7404, 2829]	11567	[12836, 9713]
1581	[2857, 2858]	4910	[7293, 2658]	8239	[7532, 10602]	11568	[12837, 7711]
1582	[2859, 2860]	4911	[7294, 7295]	8240	[10166, 6948]	11569	[12838, 9196]
1583	[2861, 2862]	4912	[7296, 2745]	8241	[2150, 2308]	11570	[12839, 9372]
1584	[1829, 2863]	4913	[7297, 760]	8242	[721, 10603]	11571	[12278, 3770]
1585	[2864, 2865]	4914	[3133, 2383]	8243	[6186, 921]	11572	[12840, 3253]
1586	[2866, 2711]	4915	[7298, 7299]	8244	[10604, 2005]	11573	[8440, 8444]
1587	[2867, 2868]	4916	[7300, 7301]	8245	[6763, 536]	11574	[12841, 3183]
1588	[2869, 2870]	4917	[7302, 7303]	8246	[10605, 10606]	11575	[12842, 5291]
1589	[2871, 2872]	4918	[6570, 7304]	8247	[5319, 2323]	11576	[12843, 12844]
1590	[2873, 2275]	4919	[2812, 2603]	8248	[10607, 7290]	11577	[4318, 103]
1591	[2564, 2874]	4920	[7305, 6200]	8249	[10608, 7388]	11578	[12845, 8553]
1592	[2875, 2876]	4921	[7306, 7307]	8250	[10609, 10610]	11579	[12846, 4294]
1593	[2877, 2878]	4922	[2662, 2747]	8251	[572, 5477]	11580	[7822, 4808]
1594	[2879, 2880]	4923	[7308, 6961]	8252	[10611, 6313]	11581	[12847, 8294]
1595	[2881, 2882]	4924	[7309, 7310]	8253	[682, 5521]	11582	[8973, 8253]
1596	[2883, 2884]	4925	[7311, 2283]	8254	[10155, 799]	11583	[9012, 9057]
1597	[185, 820]	4926	[7312, 7313]	8255	[10612, 7327]	11584	[9922, 8731]
1598	[2885, 2450]	4927	[7175, 7128]	8256	[5353, 7234]	11585	[12848, 12223]
1599	[2886, 2887]	4928	[7314, 7315]	8257	[6473, 10613]	11586	[8811, 12549]
1600	[58, 2391]	4929	[7316, 5867]	8258	[10614, 10615]	11587	[12849, 4075]
1601	[2888, 2889]	4930	[7317, 7318]	8259	[5351, 10616]	11588	[12850, 3328]
1602	[2890, 2891]	4931	[6415, 1813]	8260	[2468, 10617]	11589	[12851, 4008]
1603	[2892, 2893]	4932	[7319, 7320]	8261	[10618, 10619]	11590	[378, 3514]
1604	[2894, 209]	4933	[7321, 5462]	8262	[2472, 7291]	11591	[12852, 3886]
1605	[2895, 2896]	4934	[7322, 2803]	8263	[10620, 10562]	11592	[8839, 7822]
1606	[2897, 2898]	4935	[6674, 7323]	8264	[2899, 10621]	11593	[12853, 5011]
1607	[2899, 2900]	4936	[7324, 7325]	8265	[5858, 10622]	11594	[12854, 4807]
1608	[2901, 2902]	4937	[6696, 2494]	8266	[2199, 6409]	11595	[12855, 12856]
1609	[2903, 2904]	4938	[7326, 5494]	8267	[2631, 6330]	11596	[8946, 5181]
1610	[2905, 2906]	4939	[2915, 5492]	8268	[7218, 2111]	11597	[12347, 8096]
1611	[2907, 2908]	4940	[2022, 5788]	8269	[10623, 10624]	11598	[12857, 12858]
1612	[2909, 1913]	4941	[2262, 7327]	8270	[5977, 5699]	11599	[8533, 8960]
1613	[756, 2009]	4942	[3129, 7328]	8271	[2780, 1864]	11600	[12859, 3]
1614	[2910, 2756]	4943	[2186, 7329]	8272	[7371, 10625]	11601	[12860, 8300]
1615	[643, 2534]	4944	[7330, 7331]	8273	[10626, 5891]	11602	[4335, 4662]
1616	[2911, 2912]	4945	[6420, 7287]	8274	[10627, 10628]	11603	[12861, 8319]
1617	[2913, 2914]	4946	[6791, 6659]	8275	[2254, 1817]	11604	[12862, 12863]
1618	[722, 2915]	4947	[6211, 7332]	8276	[2020, 10629]	11605	[12864, 4314]
1619	[32, 2916]	4948	[7333, 7280]	8277	[10148, 5307]	11606	[12865, 8931]

1620	[2917, 2918]	4949	[7334, 7335]	8278	[2025, 6673]	11607	[360, 8581]
1621	[2919, 2920]	4950	[7336, 2]	8279	[10630, 145]	11608	[8859, 12866]
1622	[2921, 2922]	4951	[7014, 7337]	8280	[5470, 248]	11609	[12867, 3918]
1623	[2734, 2923]	4952	[7338, 7339]	8281	[10631, 10632]	11610	[9861, 8190]
1624	[1866, 2924]	4953	[1927, 2371]	8282	[10510, 7206]	11611	[12868, 8270]
1625	[2925, 2926]	4954	[7119, 7150]	8283	[10633, 6280]	11612	[12478, 3892]
1626	[884, 2927]	4955	[2260, 5539]	8284	[6643, 10634]	11613	[7663, 1147]
1627	[2928, 2929]	4956	[7340, 7341]	8285	[6886, 2617]	11614	[8852, 4701]
1628	[2930, 2931]	4957	[7342, 5350]	8286	[6014, 10635]	11615	[12869, 3297]
1629	[2932, 2933]	4958	[7343, 7344]	8287	[6290, 7273]	11616	[12870, 4422]
1630	[2934, 2669]	4959	[7345, 3138]	8288	[10636, 10637]	11617	[406, 1195]
1631	[2935, 2936]	4960	[5502, 2755]	8289	[10638, 5804]	11618	[12871, 11933]
1632	[2937, 2938]	4961	[2163, 7346]	8290	[5659, 1848]	11619	[12872, 5209]
1633	[2939, 2940]	4962	[7313, 1844]	8291	[6759, 7518]	11620	[4356, 12662]
1634	[2941, 2942]	4963	[7347, 2161]	8292	[916, 10639]	11621	[12873, 5188]
1635	[2943, 2944]	4964	[3167, 6363]	8293	[5847, 10640]	11622	[12681, 12272]
1636	[2831, 2945]	4965	[7348, 7349]	8294	[10641, 10642]	11623	[4516, 1004]
1637	[2946, 2947]	4966	[6204, 7350]	8295	[507, 10643]	11624	[8651, 463]
1638	[2948, 2949]	4967	[7351, 6238]	8296	[10644, 7580]	11625	[12874, 12875]
1639	[2950, 2951]	4968	[7352, 6357]	8297	[10645, 10169]	11626	[12876, 12877]
1640	[2952, 584]	4969	[2601, 2486]	8298	[2751, 5730]	11627	[9862, 11786]
1641	[2953, 2248]	4970	[7353, 7354]	8299	[10646, 62]	11628	[12878, 7890]
1642	[2954, 2955]	4971	[7056, 1975]	8300	[821, 5463]	11629	[12879, 12290]
1643	[558, 2956]	4972	[7355, 6422]	8301	[10586, 900]	11630	[12880, 12130]
1644	[2820, 2957]	4973	[7356, 7357]	8302	[862, 5472]	11631	[12881, 1792]
1645	[2201, 2958]	4974	[7358, 7359]	8303	[2654, 6147]	11632	[12882, 4161]
1646	[2959, 498]	4975	[7268, 6355]	8304	[2063, 10606]	11633	[12883, 432]
1647	[1934, 2960]	4976	[7360, 7361]	8305	[6366, 10647]	11634	[12866, 354]
1648	[2961, 2962]	4977	[7362, 2700]	8306	[10648, 2689]	11635	[4759, 4546]
1649	[2963, 2964]	4978	[7363, 5318]	8307	[3067, 10649]	11636	[12884, 3334]
1650	[2756, 2965]	4979	[7364, 6518]	8308	[10650, 5403]	11637	[12885, 3392]
1651	[2966, 2282]	4980	[2294, 6072]	8309	[6212, 10651]	11638	[4190, 8817]
1652	[2967, 2968]	4981	[5489, 2648]	8310	[5387, 819]	11639	[12886, 3734]
1653	[2969, 2970]	4982	[7200, 7365]	8311	[10652, 7238]	11640	[3439, 12887]
1654	[2971, 2972]	4983	[7366, 7367]	8312	[10653, 10317]	11641	[9158, 3455]
1655	[2973, 2974]	4984	[615, 7368]	8313	[3015, 10323]	11642	[8908, 12888]
1656	[2975, 2976]	4985	[7369, 6285]	8314	[10252, 7409]	11643	[12889, 10058]
1657	[2977, 2978]	4986	[2706, 1820]	8315	[6214, 7262]	11644	[8105, 3726]
1658	[2979, 2980]	4987	[7370, 6125]	8316	[10654, 10655]	11645	[12890, 3963]
1659	[2981, 2982]	4988	[7371, 7372]	8317	[10656, 10657]	11646	[12891, 8290]
1660	[2983, 2984]	4989	[7373, 5349]	8318	[10658, 210]	11647	[12892, 8445]
1661	[2985, 2709]	4990	[5745, 2423]	8319	[10659, 6077]	11648	[8773, 12357]
1662	[2986, 2987]	4991	[6577, 7374]	8320	[10660, 1970]	11649	[995, 3926]
1663	[2988, 2989]	4992	[7375, 7376]	8321	[10661, 527]	11650	[12126, 8033]

1664	[2990, 847]	4993	[5906, 582]	8322	[10662, 2382]	11651	[12893, 9109]
1665	[2991, 2992]	4994	[7377, 1828]	8323	[6767, 10663]	11652	[12894, 8610]
1666	[1956, 2993]	4995	[935, 3022]	8324	[10664, 10665]	11653	[4983, 8306]
1667	[2994, 2995]	4996	[5812, 3080]	8325	[2178, 5424]	11654	[9165, 7956]
1668	[2996, 2997]	4997	[7378, 6737]	8326	[10666, 6270]	11655	[12895, 3953]
1669	[2998, 2999]	4998	[6902, 6562]	8327	[5614, 5316]	11656	[4883, 12896]
1670	[3000, 2756]	4999	[7379, 7380]	8328	[10667, 2365]	11657	[4522, 3807]
1671	[3001, 3002]	5000	[7381, 7382]	8329	[10310, 10668]	11658	[12030, 8872]
1672	[2339, 2371]	5001	[7383, 7384]	8330	[905, 2417]	11659	[12897, 12898]
1673	[3003, 2121]	5002	[7385, 7386]	8331	[5445, 10669]	11660	[12899, 4242]
1674	[3004, 3005]	5003	[7358, 3158]	8332	[7008, 5391]	11661	[12900, 1212]
1675	[3006, 3007]	5004	[7387, 7388]	8333	[7412, 6346]	11662	[12901, 9175]
1676	[3008, 249]	5005	[7389, 3042]	8334	[6130, 6018]	11663	[12694, 8592]
1677	[3009, 3010]	5006	[1798, 2712]	8335	[10670, 2198]	11664	[12902, 9121]
1678	[2955, 2244]	5007	[2991, 235]	8336	[5797, 2893]	11665	[12903, 5067]
1679	[2682, 2568]	5008	[7390, 3113]	8337	[10671, 2737]	11666	[12904, 3874]
1680	[3011, 3012]	5009	[2604, 2804]	8338	[10672, 10673]	11667	[12905, 12906]
1681	[3013, 3014]	5010	[7391, 7215]	8339	[10674, 10675]	11668	[4848, 12907]
1682	[3015, 3016]	5011	[5642, 3028]	8340	[798, 5982]	11669	[12908, 5243]
1683	[3017, 3018]	5012	[7392, 2710]	8341	[10676, 7408]	11670	[12909, 4619]
1684	[3019, 2499]	5013	[7393, 2712]	8342	[7642, 6942]	11671	[12910, 9729]
1685	[3020, 877]	5014	[7394, 6486]	8343	[10677, 6294]	11672	[12911, 12717]
1686	[3021, 3022]	5015	[7159, 5850]	8344	[5703, 46]	11673	[8666, 3432]
1687	[3023, 720]	5016	[7395, 7396]	8345	[10678, 869]	11674	[12912, 12913]
1688	[3024, 2899]	5017	[233, 7076]	8346	[203, 2477]	11675	[12914, 5276]
1689	[3025, 3026]	5018	[6543, 5694]	8347	[10277, 3165]	11676	[12915, 8997]
1690	[3027, 3028]	5019	[7087, 5573]	8348	[5433, 715]	11677	[9187, 3497]
1691	[3029, 3030]	5020	[7397, 2735]	8349	[10679, 7627]	11678	[12916, 1124]
1692	[3031, 3032]	5021	[7398, 7399]	8350	[10680, 6450]	11679	[12917, 462]
1693	[2446, 3033]	5022	[7400, 6236]	8351	[10681, 6122]	11680	[12918, 12919]
1694	[2263, 3034]	5023	[7401, 2811]	8352	[2783, 529]	11681	[12920, 4227]
1695	[1966, 2475]	5024	[233, 2861]	8353	[10682, 6721]	11682	[12921, 8914]
1696	[493, 3035]	5025	[7402, 7403]	8354	[5710, 10683]	11683	[8435, 8746]
1697	[495, 3036]	5026	[7404, 7405]	8355	[10684, 10685]	11684	[12922, 1242]
1698	[3037, 3038]	5027	[5526, 7406]	8356	[10686, 1954]	11685	[12923, 12329]
1699	[3039, 1947]	5028	[7407, 7408]	8357	[10687, 5936]	11686	[12924, 4992]
1700	[3040, 3041]	5029	[7409, 7410]	8358	[820, 2852]	11687	[12925, 5257]
1701	[3042, 3043]	5030	[7411, 833]	8359	[3001, 6038]	11688	[12926, 3677]
1702	[59, 3044]	5031	[7412, 3053]	8360	[6682, 6696]	11689	[8781, 12840]
1703	[3045, 2216]	5032	[2158, 610]	8361	[5434, 6322]	11690	[10082, 12927]
1704	[2352, 3046]	5033	[7413, 7414]	8362	[10688, 6588]	11691	[12928, 12929]
1705	[3047, 3048]	5034	[3029, 6687]	8363	[5640, 10689]	11692	[975, 12930]
1706	[3049, 3050]	5035	[2435, 6233]	8364	[10690, 1843]	11693	[12931, 1596]
1707	[3051, 3052]	5036	[2454, 7415]	8365	[10691, 10439]	11694	[12932, 3465]

1708	[3053, 3054]	5037	[5967, 7416]	8366	[7423, 10561]	11695	[8091, 12933]
1709	[3055, 3056]	5038	[7417, 6017]	8367	[5784, 5520]	11696	[8482, 12934]
1710	[3057, 3058]	5039	[7418, 7419]	8368	[10692, 10260]	11697	[12935, 1644]
1711	[3059, 3060]	5040	[5539, 2956]	8369	[10693, 3036]	11698	[9100, 12201]
1712	[3061, 1884]	5041	[6124, 7420]	8370	[6585, 10694]	11699	[1094, 3518]
1713	[3062, 3063]	5042	[5640, 7421]	8371	[745, 10178]	11700	[8630, 7710]
1714	[3064, 3065]	5043	[3057, 7109]	8372	[7505, 5985]	11701	[12936, 3397]
1715	[792, 3066]	5044	[7422, 6418]	8373	[5896, 2430]	11702	[2657, 11593]
1716	[2190, 897]	5045	[6123, 7096]	8374	[7410, 10695]	11703	[7440, 6358]
1717	[1981, 3067]	5046	[7423, 7424]	8375	[5760, 10167]	11704	[10172, 6731]
1718	[3068, 3069]	5047	[1803, 1905]	8376	[10696, 57]	11705	[7566, 5471]
1719	[3070, 3071]	5048	[6970, 7425]	8377	[6461, 2807]	11706	[6160, 12937]
1720	[3072, 2833]	5049	[7426, 7284]	8378	[10697, 2679]	11707	[684, 10747]
1721	[3073, 3074]	5050	[2049, 2227]	8379	[6150, 10698]	11708	[11695, 7150]
1722	[3075, 2763]	5051	[6244, 6798]	8380	[546, 2052]	11709	[12938, 5527]
1723	[3076, 3077]	5052	[7427, 7100]	8381	[6176, 540]	11710	[1799, 2027]
1724	[3078, 3079]	5053	[3112, 7428]	8382	[10699, 10700]	11711	[12939, 2766]
1725	[3080, 3081]	5054	[7429, 53]	8383	[10701, 2310]	11712	[2889, 12940]
1726	[3082, 2388]	5055	[716, 7430]	8384	[10702, 547]	11713	[6396, 7455]
1727	[3083, 3084]	5056	[7431, 7432]	8385	[10703, 10704]	11714	[11441, 10491]
1728	[3085, 3086]	5057	[7433, 7434]	8386	[10705, 5653]	11715	[5855, 5639]
1729	[3087, 2641]	5058	[7435, 5649]	8387	[10334, 6445]	11716	[12941, 1942]
1730	[3088, 3089]	5059	[6047, 7436]	8388	[10706, 10707]	11717	[11120, 11384]
1731	[3090, 3091]	5060	[7437, 7438]	8389	[10708, 10709]	11718	[7180, 2815]
1732	[3092, 3093]	5061	[2322, 2428]	8390	[2524, 5333]	11719	[7549, 6617]
1733	[3094, 3095]	5062	[5342, 6024]	8391	[6281, 10613]	11720	[12942, 174]
1734	[2042, 590]	5063	[7439, 132]	8392	[10710, 7508]	11721	[10410, 12943]
1735	[657, 3096]	5064	[6077, 6898]	8393	[5803, 10711]	11722	[12944, 6155]
1736	[3097, 3098]	5065	[7440, 2005]	8394	[6834, 10712]	11723	[11249, 7232]
1737	[174, 654]	5066	[6290, 1876]	8395	[5720, 7033]	11724	[10248, 2814]
1738	[3016, 3099]	5067	[7441, 2256]	8396	[864, 10649]	11725	[3105, 12945]
1739	[3100, 3101]	5068	[7442, 749]	8397	[10713, 10714]	11726	[5783, 681]
1740	[3102, 2455]	5069	[7443, 7444]	8398	[10715, 10716]	11727	[6085, 546]
1741	[3103, 3104]	5070	[6002, 5568]	8399	[2565, 10717]	11728	[11505, 888]
1742	[3105, 3106]	5071	[887, 7445]	8400	[6029, 835]	11729	[2978, 681]
1743	[3107, 3108]	5072	[7446, 3151]	8401	[10718, 605]	11730	[5884, 5629]
1744	[3109, 2264]	5073	[5759, 2607]	8402	[2613, 10663]	11731	[6900, 243]
1745	[3110, 3111]	5074	[660, 5902]	8403	[10719, 5317]	11732	[590, 12946]
1746	[3112, 3113]	5075	[662, 7447]	8404	[7411, 10720]	11733	[5793, 148]
1747	[2317, 2024]	5076	[6353, 7448]	8405	[10721, 7097]	11734	[3059, 11404]
1748	[3114, 3115]	5077	[7449, 6784]	8406	[10439, 889]	11735	[10211, 12947]
1749	[3116, 3117]	5078	[6750, 7450]	8407	[10722, 3103]	11736	[5506, 1900]
1750	[3118, 3119]	5079	[7451, 2699]	8408	[6845, 5825]	11737	[6531, 3061]
1751	[3120, 595]	5080	[7452, 215]	8409	[10723, 929]	11738	[12948, 12949]

1752	[2033, 159]	5081	[7453, 6281]	8410	[6550, 10724]	11739	[6705, 12950]
1753	[3121, 3122]	5082	[6775, 866]	8411	[10725, 7552]	11740	[2482, 12951]
1754	[3123, 2619]	5083	[7454, 2519]	8412	[10726, 10727]	11741	[5367, 7623]
1755	[3124, 2783]	5084	[7455, 6019]	8413	[7223, 2964]	11742	[12952, 717]
1756	[3125, 492]	5085	[7456, 7075]	8414	[5773, 3058]	11743	[6299, 11494]
1757	[3126, 3127]	5086	[2974, 3035]	8415	[10728, 7436]	11744	[7592, 10337]
1758	[3128, 3129]	5087	[1874, 7306]	8416	[6885, 10729]	11745	[11608, 12953]
1759	[3130, 3131]	5088	[231, 7457]	8417	[3078, 10657]	11746	[6656, 2509]
1760	[3132, 3133]	5089	[5601, 6271]	8418	[1986, 6628]	11747	[11618, 5926]
1761	[3134, 2072]	5090	[7458, 7459]	8419	[10730, 7362]	11748	[2843, 3176]
1762	[3135, 3136]	5091	[6411, 6933]	8420	[10731, 10732]	11749	[12954, 10992]
1763	[2415, 3137]	5092	[7460, 7461]	8421	[10733, 2327]	11750	[2392, 6671]
1764	[3138, 3139]	5093	[2063, 7462]	8422	[10734, 7182]	11751	[12955, 11329]
1765	[3140, 2598]	5094	[7463, 7464]	8423	[6731, 5716]	11752	[12956, 2438]
1766	[3141, 3142]	5095	[5817, 7465]	8424	[10735, 5693]	11753	[864, 12957]
1767	[3143, 3144]	5096	[6052, 2431]	8425	[10736, 7380]	11754	[10550, 12958]
1768	[2124, 3145]	5097	[7466, 7467]	8426	[10737, 3029]	11755	[5964, 12959]
1769	[3108, 205]	5098	[7468, 2517]	8427	[10738, 6874]	11756	[5931, 12960]
1770	[3146, 223]	5099	[7469, 5761]	8428	[6201, 1991]	11757	[1952, 2398]
1771	[3147, 3148]	5100	[7470, 7471]	8429	[10553, 10503]	11758	[3040, 6455]
1772	[3149, 3150]	5101	[2017, 5594]	8430	[7383, 6450]	11759	[11522, 3073]
1773	[3151, 3152]	5102	[2008, 7472]	8431	[10739, 5614]	11760	[12961, 535]
1774	[3153, 3154]	5103	[2999, 2278]	8432	[2543, 6748]	11761	[12962, 5998]
1775	[3101, 1842]	5104	[7473, 7474]	8433	[10740, 10741]	11762	[10448, 6826]
1776	[3155, 805]	5105	[7266, 7475]	8434	[10742, 5660]	11763	[6022, 5599]
1777	[3156, 3157]	5106	[7476, 7477]	8435	[7256, 2975]	11764	[799, 10559]
1778	[2411, 3158]	5107	[7478, 7479]	8436	[10191, 10743]	11765	[11429, 12963]
1779	[2504, 2197]	5108	[7480, 2933]	8437	[915, 10351]	11766	[11540, 12964]
1780	[3159, 3160]	5109	[2905, 7374]	8438	[2600, 2485]	11767	[12965, 2545]
1781	[3161, 623]	5110	[7481, 7482]	8439	[10744, 10745]	11768	[12966, 11588]
1782	[3162, 789]	5111	[6149, 2469]	8440	[10746, 6193]	11769	[1900, 12967]
1783	[3163, 3164]	5112	[7483, 7484]	8441	[10455, 2276]	11770	[10194, 2473]
1784	[3165, 3166]	5113	[7158, 2574]	8442	[7584, 674]	11771	[2357, 10881]
1785	[767, 3167]	5114	[2193, 2043]	8443	[6366, 6292]	11772	[2123, 6388]
1786	[3168, 3169]	5115	[7293, 830]	8444	[10747, 10748]	11773	[11095, 2157]
1787	[1913, 3170]	5116	[7485, 7091]	8445	[10749, 5459]	11774	[862, 12968]
1788	[3171, 3172]	5117	[7486, 7487]	8446	[10750, 5488]	11775	[12969, 2046]
1789	[3173, 2153]	5118	[7488, 2975]	8447	[10751, 10752]	11776	[6068, 11450]
1790	[3174, 2630]	5119	[7489, 7490]	8448	[5538, 719]	11777	[12970, 12971]
1791	[3175, 3176]	5120	[7491, 53]	8449	[10753, 3004]	11778	[729, 12972]
1792	[585, 3166]	5121	[2915, 6584]	8450	[6531, 773]	11779	[10598, 7576]
1793	[3177, 499]	5122	[2431, 7492]	8451	[10754, 10651]	11780	[1849, 2635]
1794	[1151, 3178]	5123	[7163, 6456]	8452	[1925, 10755]	11781	[11664, 11368]
1795	[3179, 3180]	5124	[7493, 7494]	8453	[6729, 10425]	11782	[11307, 7013]

1796	[3181, 3182]	5125	[2741, 7495]	8454	[10756, 5569]	11783	[11306, 10910]
1797	[3183, 3184]	5126	[7496, 2941]	8455	[10757, 10758]	11784	[10993, 495]
1798	[3185, 3186]	5127	[7497, 7498]	8456	[2100, 10428]	11785	[10246, 12973]
1799	[3187, 3188]	5128	[7499, 7500]	8457	[2436, 6260]	11786	[11411, 11513]
1800	[3189, 1058]	5129	[7501, 7502]	8458	[10614, 10759]	11787	[6827, 12974]
1801	[3190, 3191]	5130	[7076, 2862]	8459	[10760, 6180]	11788	[11335, 11627]
1802	[3192, 1630]	5131	[7503, 7504]	8460	[10761, 6267]	11789	[12975, 7127]
1803	[3193, 3194]	5132	[7505, 6123]	8461	[748, 10762]	11790	[6663, 6523]
1804	[3195, 3196]	5133	[7016, 6336]	8462	[6611, 10763]	11791	[6276, 12976]
1805	[1060, 3197]	5134	[7506, 2562]	8463	[2095, 5556]	11792	[11166, 12977]
1806	[3198, 3199]	5135	[7368, 7507]	8464	[2810, 10764]	11793	[11635, 10757]
1807	[3200, 3201]	5136	[7508, 6053]	8465	[10765, 10766]	11794	[2062, 10605]
1808	[3202, 3203]	5137	[7509, 6815]	8466	[10767, 7613]	11795	[10402, 6891]
1809	[3204, 3205]	5138	[7510, 5538]	8467	[10768, 2142]	11796	[7526, 6209]
1810	[3206, 3207]	5139	[7511, 2315]	8468	[10748, 5987]	11797	[726, 6533]
1811	[3208, 3209]	5140	[5443, 7512]	8469	[10769, 10770]	11798	[7114, 10786]
1812	[3210, 3211]	5141	[7513, 5806]	8470	[6319, 10412]	11799	[3005, 2339]
1813	[3212, 3213]	5142	[7514, 7515]	8471	[10771, 5829]	11800	[2850, 3095]
1814	[3214, 3215]	5143	[601, 805]	8472	[10772, 10773]	11801	[7427, 11507]
1815	[3216, 3217]	5144	[5559, 7516]	8473	[7492, 6710]	11802	[6136, 2327]
1816	[3218, 3219]	5145	[602, 806]	8474	[7156, 10247]	11803	[10988, 7361]
1817	[3220, 3221]	5146	[7517, 7518]	8475	[6624, 6615]	11804	[6100, 2122]
1818	[3222, 382]	5147	[6870, 697]	8476	[5488, 2647]	11805	[6684, 10961]
1819	[3223, 3224]	5148	[6897, 7519]	8477	[10567, 10774]	11806	[2058, 12972]
1820	[3225, 3226]	5149	[7134, 7520]	8478	[10775, 10776]	11807	[150, 2947]
1821	[3227, 3228]	5150	[6548, 7521]	8479	[10501, 6302]	11808	[12978, 2331]
1822	[3188, 3229]	5151	[6814, 7522]	8480	[10309, 10777]	11809	[2697, 2345]
1823	[1712, 3230]	5152	[7523, 6655]	8481	[2031, 10499]	11810	[11026, 6638]
1824	[3231, 3232]	5153	[7524, 7506]	8482	[10728, 6048]	11811	[11436, 5326]
1825	[3233, 3234]	5154	[579, 7525]	8483	[10778, 559]	11812	[6710, 11666]
1826	[3235, 1375]	5155	[2354, 7031]	8484	[10779, 2770]	11813	[12979, 5560]
1827	[3236, 3237]	5156	[7526, 7527]	8485	[5325, 10780]	11814	[12980, 11399]
1828	[3238, 3239]	5157	[7528, 5406]	8486	[6406, 6608]	11815	[7019, 2702]
1829	[3240, 3241]	5158	[7529, 6091]	8487	[5529, 6073]	11816	[7443, 11165]
1830	[3242, 3243]	5159	[7530, 7105]	8488	[5713, 6506]	11817	[1817, 10650]
1831	[3244, 960]	5160	[5362, 5482]	8489	[10781, 10782]	11818	[2362, 1908]
1832	[3245, 3246]	5161	[6456, 7531]	8490	[10783, 6334]	11819	[7379, 11584]
1833	[3247, 3248]	5162	[5754, 6757]	8491	[2153, 6308]	11820	[6614, 5382]
1834	[3249, 3250]	5163	[7532, 5735]	8492	[1929, 5620]	11821	[12981, 5581]
1835	[3251, 3252]	5164	[7533, 7248]	8493	[10784, 5533]	11822	[7608, 6027]
1836	[3253, 3254]	5165	[2177, 7534]	8494	[2070, 10785]	11823	[6528, 6460]
1837	[3255, 3239]	5166	[5710, 7052]	8495	[6311, 10786]	11824	[12982, 2310]
1838	[3256, 3257]	5167	[2473, 7535]	8496	[5874, 220]	11825	[11250, 12983]
1839	[3258, 3259]	5168	[7536, 226]	8497	[10557, 10787]	11826	[7342, 7242]

1840	[3260, 3261]	5169	[5343, 2871]	8498	[10788, 6706]	11827	[2427, 10963]
1841	[3262, 3263]	5170	[2331, 6057]	8499	[2634, 1850]	11828	[6252, 12984]
1842	[3264, 3265]	5171	[7537, 1988]	8500	[10293, 2029]	11829	[6480, 12985]
1843	[3266, 3267]	5172	[5788, 7350]	8501	[5726, 10789]	11830	[10247, 6895]
1844	[3268, 3269]	5173	[6089, 7538]	8502	[10400, 837]	11831	[11701, 1915]
1845	[3270, 3271]	5174	[2750, 7539]	8503	[2814, 10790]	11832	[2839, 5546]
1846	[3272, 3273]	5175	[7540, 7541]	8504	[6204, 5789]	11833	[6991, 6009]
1847	[3274, 3275]	5176	[2928, 6124]	8505	[2686, 10791]	11834	[2830, 11630]
1848	[3276, 3277]	5177	[532, 6610]	8506	[2237, 2892]	11835	[6080, 2043]
1849	[3278, 3279]	5178	[7542, 2349]	8507	[5438, 2051]	11836	[5585, 2941]
1850	[3280, 3281]	5179	[7543, 7544]	8508	[3115, 10792]	11837	[11192, 12986]
1851	[464, 3282]	5180	[7545, 7546]	8509	[10426, 10793]	11838	[11575, 902]
1852	[3283, 1466]	5181	[2151, 2309]	8510	[2033, 6524]	11839	[12987, 5604]
1853	[3284, 3285]	5182	[7547, 551]	8511	[10794, 6329]	11840	[2390, 2234]
1854	[1530, 3286]	5183	[2534, 7548]	8512	[7233, 920]	11841	[12988, 912]
1855	[3287, 3288]	5184	[6982, 2718]	8513	[618, 10795]	11842	[2091, 6337]
1856	[3289, 3290]	5185	[7549, 2914]	8514	[6829, 10796]	11843	[1999, 2251]
1857	[3291, 1234]	5186	[6932, 7550]	8515	[10487, 10797]	11844	[11296, 12989]
1858	[3292, 1747]	5187	[7551, 6828]	8516	[7459, 5422]	11845	[11674, 1872]
1859	[3293, 3294]	5188	[7552, 7553]	8517	[10798, 10640]	11846	[5612, 7557]
1860	[3295, 3296]	5189	[7554, 1883]	8518	[10799, 10281]	11847	[6446, 11630]
1861	[3297, 3298]	5190	[6165, 6640]	8519	[5826, 851]	11848	[2180, 11112]
1862	[3299, 3300]	5191	[3151, 6661]	8520	[10800, 10531]	11849	[6485, 12990]
1863	[3301, 1259]	5192	[2344, 5986]	8521	[3148, 5437]	11850	[7022, 12991]
1864	[3302, 3303]	5193	[5372, 5755]	8522	[10801, 10802]	11851	[11066, 10759]
1865	[3304, 3305]	5194	[7555, 7556]	8523	[10803, 10150]	11852	[10208, 549]
1866	[3306, 3307]	5195	[6357, 7557]	8524	[10804, 10805]	11853	[10236, 12992]
1867	[3308, 3309]	5196	[7558, 6631]	8525	[2188, 6704]	11854	[2138, 7393]
1868	[3310, 3311]	5197	[664, 7559]	8526	[10806, 1979]	11855	[5887, 10192]
1869	[3312, 3313]	5198	[2707, 1821]	8527	[10807, 5701]	11856	[10909, 6971]
1870	[3314, 3315]	5199	[6466, 7560]	8528	[1906, 10808]	11857	[5737, 2879]
1871	[3316, 3317]	5200	[2926, 5363]	8529	[10809, 2004]	11858	[10174, 10749]
1872	[3318, 3319]	5201	[164, 7561]	8530	[10810, 10811]	11859	[12993, 7532]
1873	[3320, 3321]	5202	[7562, 7563]	8531	[10812, 10813]	11860	[12994, 10962]
1874	[3322, 3323]	5203	[6974, 5820]	8532	[10814, 10431]	11861	[6245, 6614]
1875	[3324, 1019]	5204	[7564, 2939]	8533	[10815, 10816]	11862	[1850, 6012]
1876	[3325, 3326]	5205	[7565, 6690]	8534	[10817, 2454]	11863	[10955, 2948]
1877	[3327, 3328]	5206	[6993, 7375]	8535	[7254, 5899]	11864	[10604, 6358]
1878	[3329, 410]	5207	[7566, 787]	8536	[10818, 3019]	11865	[12995, 5780]
1879	[3330, 3331]	5208	[662, 5809]	8537	[7392, 2866]	11866	[11628, 7185]
1880	[3332, 3333]	5209	[7567, 2447]	8538	[6857, 10819]	11867	[11535, 12996]
1881	[3334, 3335]	5210	[7568, 777]	8539	[10600, 6472]	11868	[2732, 571]
1882	[3336, 3337]	5211	[7569, 7570]	8540	[6832, 2404]	11869	[10160, 6600]
1883	[3338, 3339]	5212	[7571, 6909]	8541	[1804, 7192]	11870	[7470, 2765]

1884	[3340, 3341]	5213	[7572, 7573]	8542	[6587, 177]	11871	[7075, 2859]
1885	[3342, 3343]	5214	[7574, 7575]	8543	[10820, 2922]	11872	[7262, 5376]
1886	[3344, 3345]	5215	[7576, 7322]	8544	[10821, 7515]	11873	[5808, 7447]
1887	[3346, 1132]	5216	[2584, 5975]	8545	[5431, 10229]	11874	[3108, 11669]
1888	[3347, 3348]	5217	[7577, 5864]	8546	[10699, 7213]	11875	[11394, 5600]
1889	[3349, 3350]	5218	[7578, 2233]	8547	[5652, 2637]	11876	[10548, 11609]
1890	[3351, 3352]	5219	[7579, 7580]	8548	[7117, 5951]	11877	[11202, 3055]
1891	[1181, 3353]	5220	[7581, 7582]	8549	[841, 6813]	11878	[2354, 12997]
1892	[3354, 3355]	5221	[5387, 185]	8550	[861, 765]	11879	[5878, 6115]
1893	[3356, 3357]	5222	[7583, 7584]	8551	[10822, 1867]	11880	[10882, 11526]
1894	[3358, 3359]	5223	[7585, 7586]	8552	[10823, 6128]	11881	[2218, 6867]
1895	[3360, 3361]	5224	[7587, 7588]	8553	[905, 3003]	11882	[10187, 12998]
1896	[3362, 3363]	5225	[705, 2170]	8554	[2735, 2329]	11883	[7178, 6644]
1897	[3364, 3365]	5226	[6946, 5375]	8555	[7107, 10423]	11884	[5594, 6509]
1898	[3366, 3217]	5227	[6636, 679]	8556	[2959, 3177]	11885	[11119, 517]
1899	[3367, 3368]	5228	[7332, 2835]	8557	[513, 10824]	11886	[7055, 1974]
1900	[3369, 3370]	5229	[7589, 7590]	8558	[6557, 10313]	11887	[10856, 3071]
1901	[3371, 3372]	5230	[2800, 5916]	8559	[2324, 2171]	11888	[11376, 12999]
1902	[3373, 1572]	5231	[5835, 512]	8560	[10825, 7329]	11889	[13000, 11196]
1903	[3374, 980]	5232	[6762, 535]	8561	[7369, 10826]	11890	[13001, 13002]
1904	[3375, 3376]	5233	[679, 5363]	8562	[10173, 7294]	11891	[6615, 10180]
1905	[3377, 3378]	5234	[673, 7397]	8563	[2141, 589]	11892	[3172, 13003]
1906	[3379, 3380]	5235	[7591, 7249]	8564	[10827, 7339]	11893	[688, 10646]
1907	[3381, 3382]	5236	[7592, 7593]	8565	[6809, 10828]	11894	[10560, 7424]
1908	[3383, 3384]	5237	[5844, 226]	8566	[2022, 6204]	11895	[11495, 13004]
1909	[3385, 3386]	5238	[5487, 7594]	8567	[10829, 10830]	11896	[10674, 7149]
1910	[3387, 3388]	5239	[7595, 6191]	8568	[10831, 10832]	11897	[6618, 10755]
1911	[3389, 3390]	5240	[1875, 7307]	8569	[42, 5853]	11898	[13005, 7001]
1912	[3391, 3392]	5241	[5369, 6665]	8570	[6501, 5803]	11899	[7179, 2365]
1913	[1651, 3393]	5242	[7596, 6647]	8571	[10833, 850]	11900	[7432, 5894]
1914	[3394, 972]	5243	[1850, 2840]	8572	[7395, 6869]	11901	[2145, 10456]
1915	[3395, 3396]	5244	[6627, 1987]	8573	[2625, 10834]	11902	[10238, 7646]
1916	[3397, 3270]	5245	[7597, 7598]	8574	[10835, 10480]	11903	[6648, 6850]
1917	[3398, 3399]	5246	[1977, 2742]	8575	[10836, 10837]	11904	[12939, 6096]
1918	[3400, 3401]	5247	[162, 6710]	8576	[10838, 7011]	11905	[6952, 11511]
1919	[3402, 3403]	5248	[7599, 6149]	8577	[10839, 10549]	11906	[7267, 2343]
1920	[3404, 3405]	5249	[7600, 7601]	8578	[10840, 10841]	11907	[521, 5950]
1921	[3406, 3407]	5250	[6955, 1888]	8579	[2590, 10842]	11908	[5585, 5503]
1922	[3408, 3409]	5251	[7602, 2806]	8580	[7273, 1877]	11909	[6049, 2892]
1923	[3410, 1629]	5252	[7603, 7604]	8581	[10843, 6980]	11910	[3074, 5840]
1924	[3411, 3412]	5253	[6246, 5509]	8582	[2104, 10400]	11911	[13006, 1890]
1925	[3413, 3414]	5254	[7605, 940]	8583	[10844, 10845]	11912	[11052, 6164]
1926	[3415, 3416]	5255	[3140, 7606]	8584	[2657, 10846]	11913	[2452, 3052]
1927	[3417, 3418]	5256	[2459, 5523]	8585	[524, 6758]	11914	[6785, 13007]

1928	[3419, 3420]	5257	[5901, 1797]	8586	[2212, 5745]	11915	[5317, 13008]
1929	[3421, 3422]	5258	[7607, 2427]	8587	[1955, 10847]	11916	[2820, 1830]
1930	[3423, 3424]	5259	[5827, 945]	8588	[202, 2476]	11917	[13009, 2730]
1931	[3425, 3426]	5260	[7227, 6143]	8589	[10848, 5852]	11918	[6594, 13010]
1932	[3427, 3428]	5261	[7608, 2142]	8590	[5304, 6604]	11919	[7073, 10169]
1933	[3429, 3430]	5262	[7609, 7475]	8591	[2481, 10849]	11920	[2546, 13011]
1934	[3431, 1506]	5263	[7610, 7611]	8592	[2551, 2669]	11921	[6416, 11532]
1935	[3432, 3433]	5264	[7612, 7613]	8593	[7384, 10850]	11922	[7373, 11617]
1936	[3434, 3435]	5265	[7614, 2163]	8594	[6198, 6755]	11923	[7582, 13012]
1937	[3436, 3437]	5266	[7615, 6375]	8595	[10851, 10852]	11924	[13013, 13014]
1938	[3438, 3439]	5267	[7616, 7617]	8596	[5610, 5540]	11925	[2229, 13015]
1939	[3182, 3440]	5268	[5361, 2887]	8597	[1912, 6056]	11926	[7302, 11694]
1940	[3441, 1066]	5269	[2267, 7618]	8598	[6104, 10853]	11927	[2799, 5915]
1941	[3442, 3443]	5270	[2120, 2064]	8599	[10854, 10147]	11928	[12994, 10255]
1942	[3444, 1701]	5271	[7619, 6497]	8600	[10855, 1977]	11929	[5841, 13016]
1943	[3445, 3446]	5272	[3048, 7620]	8601	[10856, 10857]	11930	[11200, 11518]
1944	[3447, 3448]	5273	[7621, 6642]	8602	[10858, 2086]	11931	[11489, 7439]
1945	[3449, 3450]	5274	[7622, 2939]	8603	[10859, 2090]	11932	[7581, 517]
1946	[3451, 3286]	5275	[7623, 579]	8604	[2781, 6372]	11933	[13001, 6923]
1947	[1758, 3452]	5276	[924, 7624]	8605	[10860, 2524]	11934	[7478, 11069]
1948	[257, 3453]	5277	[2121, 6101]	8606	[2296, 2160]	11935	[6246, 5382]
1949	[3454, 3455]	5278	[7518, 2908]	8607	[7242, 2047]	11936	[6433, 13017]
1950	[3456, 3457]	5279	[7625, 7626]	8608	[10861, 6329]	11937	[2681, 7548]
1951	[3458, 1334]	5280	[6183, 7627]	8609	[5375, 6018]	11938	[10266, 13018]
1952	[3459, 3460]	5281	[5539, 7628]	8610	[10757, 2646]	11939	[6795, 13019]
1953	[3461, 3462]	5282	[6574, 2152]	8611	[10862, 6310]	11940	[5819, 10365]
1954	[3463, 993]	5283	[7629, 7630]	8612	[7104, 2677]	11941	[13020, 2491]
1955	[3464, 3465]	5284	[2679, 7631]	8613	[3066, 696]	11942	[5486, 3055]
1956	[1220, 3466]	5285	[7632, 152]	8614	[7192, 10808]	11943	[2773, 10478]
1957	[3467, 3468]	5286	[7633, 7634]	8615	[10863, 10864]	11944	[6808, 834]
1958	[3469, 3470]	5287	[6257, 5923]	8616	[2521, 2403]	11945	[2151, 13021]
1959	[3471, 3472]	5288	[648, 5361]	8617	[10865, 2550]	11946	[7093, 2498]
1960	[3473, 3288]	5289	[6316, 7358]	8618	[10866, 6681]	11947	[12969, 13022]
1961	[3474, 3475]	5290	[5464, 5944]	8619	[10867, 10306]	11948	[7599, 2468]
1962	[3476, 3477]	5291	[2793, 7635]	8620	[10191, 5519]	11949	[2979, 7299]
1963	[3478, 3479]	5292	[7636, 7242]	8621	[2385, 10868]	11950	[10290, 10793]
1964	[3480, 3481]	5293	[7637, 7638]	8622	[7516, 10371]	11951	[11003, 671]
1965	[3482, 3483]	5294	[2483, 6666]	8623	[10283, 10869]	11952	[11598, 7484]
1966	[3484, 3485]	5295	[7639, 5331]	8624	[6247, 2995]	11953	[2952, 11100]
1967	[3486, 3487]	5296	[7417, 7640]	8625	[6133, 5543]	11954	[11667, 10949]
1968	[3488, 3489]	5297	[3065, 6161]	8626	[10870, 6192]	11955	[7162, 13023]
1969	[3490, 3491]	5298	[7067, 7641]	8627	[10276, 10871]	11956	[6768, 2718]
1970	[3492, 3481]	5299	[7642, 6909]	8628	[10872, 10873]	11957	[11135, 5912]
1971	[3493, 3494]	5300	[7643, 7644]	8629	[5757, 2129]	11958	[234, 2992]

1972	[3495, 3496]	5301	[7645, 7646]	8630	[10426, 10195]	11959	[11675, 3156]
1973	[3497, 3498]	5302	[7647, 3112]	8631	[10874, 5494]	11960	[6801, 5400]
1974	[3499, 3500]	5303	[7648, 1923]	8632	[6128, 10257]	11961	[11640, 13024]
1975	[3501, 3496]	5304	[1582, 7649]	8633	[10875, 730]	11962	[2170, 13025]
1976	[3502, 3503]	5305	[7650, 7651]	8634	[2264, 10876]	11963	[6924, 13026]
1977	[3504, 3505]	5306	[7652, 7653]	8635	[10877, 564]	11964	[6144, 13027]
1978	[3506, 3507]	5307	[4949, 7654]	8636	[244, 7134]	11965	[10301, 1972]
1979	[3508, 3509]	5308	[7655, 3553]	8637	[10878, 5343]	11966	[1910, 2270]
1980	[3510, 3511]	5309	[7656, 1355]	8638	[10879, 6205]	11967	[11407, 6163]
1981	[1559, 3512]	5310	[4862, 7657]	8639	[10880, 671]	11968	[6917, 7202]
1982	[3513, 3514]	5311	[7658, 7659]	8640	[891, 520]	11969	[2646, 1880]
1983	[3515, 3516]	5312	[7660, 7661]	8641	[10881, 14]	11970	[12980, 7113]
1984	[3517, 3518]	5313	[7662, 7663]	8642	[2254, 6117]	11971	[6598, 11562]
1985	[3519, 3520]	5314	[1548, 7664]	8643	[1916, 5334]	11972	[11150, 11124]
1986	[3521, 3522]	5315	[4132, 7665]	8644	[10882, 10883]	11973	[2823, 6031]
1987	[3523, 3524]	5316	[7666, 7667]	8645	[6564, 2148]	11974	[5807, 2821]
1988	[3525, 3526]	5317	[4830, 7668]	8646	[7583, 673]	11975	[7607, 2322]
1989	[3527, 3528]	5318	[7669, 7670]	8647	[6278, 10884]	11976	[6218, 7111]
1990	[3529, 3530]	5319	[3401, 4069]	8648	[7203, 10885]	11977	[778, 10945]
1991	[3531, 3532]	5320	[7671, 1237]	8649	[10886, 10277]	11978	[733, 6846]
1992	[3533, 1643]	5321	[7672, 7673]	8650	[6167, 6689]	11979	[11201, 6981]
1993	[3534, 3535]	5322	[7674, 3928]	8651	[10887, 900]	11980	[2747, 5781]
1994	[3536, 3537]	5323	[1695, 7675]	8652	[5831, 10888]	11981	[10585, 5724]
1995	[1054, 3538]	5324	[356, 7676]	8653	[7637, 10354]	11982	[10538, 5445]
1996	[3539, 3348]	5325	[7677, 7678]	8654	[10889, 6224]	11983	[2152, 5888]
1997	[3540, 1378]	5326	[7679, 7680]	8655	[2258, 10890]	11984	[12965, 13028]
1998	[3541, 3542]	5327	[7681, 7682]	8656	[5439, 948]	11985	[11312, 607]
1999	[3543, 3544]	5328	[7683, 1787]	8657	[10891, 577]	11986	[7446, 6477]
2000	[3545, 3546]	5329	[7684, 7655]	8658	[10892, 10279]	11987	[13029, 7474]
2001	[1389, 3547]	5330	[7685, 7686]	8659	[10893, 5757]	11988	[142, 7578]
2002	[3548, 3549]	5331	[7687, 7688]	8660	[10572, 10894]	11989	[7185, 13030]
2003	[3550, 3551]	5332	[7689, 7690]	8661	[10895, 10774]	11990	[13031, 10271]
2004	[3552, 3553]	5333	[7691, 4667]	8662	[6258, 10896]	11991	[6391, 11578]
2005	[3554, 109]	5334	[4687, 7692]	8663	[6998, 10897]	11992	[6470, 882]
2006	[3555, 1257]	5335	[1555, 1644]	8664	[10898, 10899]	11993	[13032, 2979]
2007	[3556, 3557]	5336	[7693, 7694]	8665	[10900, 3134]	11994	[706, 10787]
2008	[3558, 1493]	5337	[7695, 7696]	8666	[10901, 3160]	11995	[13033, 2879]
2009	[1444, 3559]	5338	[7697, 7698]	8667	[920, 10902]	11996	[6106, 5451]
2010	[3560, 3561]	5339	[7699, 7700]	8668	[2957, 1831]	11997	[3124, 1897]
2011	[3562, 3563]	5340	[7701, 4007]	8669	[10209, 2335]	11998	[1836, 13034]
2012	[3564, 1060]	5341	[7702, 7676]	8670	[6503, 10903]	11999	[740, 6704]
2013	[3565, 3566]	5342	[7703, 7704]	8671	[5968, 2193]	12000	[1920, 5949]
2014	[3567, 3568]	5343	[7705, 7706]	8672	[10904, 10905]	12001	[10612, 13035]
2015	[3569, 3570]	5344	[7707, 3468]	8673	[1998, 2141]	12002	[5693, 198]

2016	[3571, 3572]	5345	[7708, 7709]	8674	[6863, 7187]	12003	[3061, 6465]
2017	[3573, 3574]	5346	[7710, 7711]	8675	[10906, 10411]	12004	[7052, 6882]
2018	[3575, 3576]	5347	[7712, 7713]	8676	[2698, 2346]	12005	[11265, 2373]
2019	[3577, 3578]	5348	[7714, 7715]	8677	[10907, 6676]	12006	[13036, 6865]
2020	[3579, 3580]	5349	[7716, 4186]	8678	[10804, 3117]	12007	[2679, 13037]
2021	[3426, 3581]	5350	[5194, 4801]	8679	[3156, 7275]	12008	[5378, 13003]
2022	[3582, 1001]	5351	[7717, 7718]	8680	[5726, 6223]	12009	[10687, 3068]
2023	[3583, 3584]	5352	[292, 7719]	8681	[5465, 6965]	12010	[3028, 13038]
2024	[3585, 3586]	5353	[7720, 1598]	8682	[10908, 3148]	12011	[13039, 11430]
2025	[3587, 3588]	5354	[7721, 1600]	8683	[10909, 7425]	12012	[13040, 7248]
2026	[3589, 1443]	5355	[7722, 279]	8684	[638, 6298]	12013	[6423, 5798]
2027	[1730, 3590]	5356	[7723, 7724]	8685	[10910, 7013]	12014	[1944, 6228]
2028	[3591, 3592]	5357	[4381, 3185]	8686	[6554, 10911]	12015	[13041, 6953]
2029	[3593, 3594]	5358	[7725, 7726]	8687	[5442, 5835]	12016	[2589, 2880]
2030	[3595, 3515]	5359	[7727, 3646]	8688	[1872, 7369]	12017	[13042, 13043]
2031	[3596, 3597]	5360	[4352, 3262]	8689	[10912, 10913]	12018	[6081, 2044]
2032	[3598, 3599]	5361	[1043, 5061]	8690	[10914, 2799]	12019	[655, 13044]
2033	[3600, 3601]	5362	[7728, 7653]	8691	[5761, 6627]	12020	[11426, 2396]
2034	[3602, 3603]	5363	[4956, 1255]	8692	[10177, 1967]	12021	[10544, 5320]
2035	[3604, 3605]	5364	[1301, 3724]	8693	[10915, 10881]	12022	[6769, 6318]
2036	[3606, 3607]	5365	[7729, 7730]	8694	[909, 10916]	12023	[7517, 2907]
2037	[3608, 3609]	5366	[7731, 998]	8695	[10917, 10918]	12024	[10249, 10790]
2038	[3282, 3610]	5367	[1210, 1350]	8696	[249, 10683]	12025	[11614, 2482]
2039	[3611, 3612]	5368	[3652, 7732]	8697	[6217, 6865]	12026	[603, 12951]
2040	[3613, 404]	5369	[7733, 7734]	8698	[10228, 10497]	12027	[13045, 10518]
2041	[3614, 1139]	5370	[7735, 7736]	8699	[6422, 10919]	12028	[574, 720]
2042	[3615, 3616]	5371	[7737, 4986]	8700	[10920, 2457]	12029	[11572, 5322]
2043	[3617, 3618]	5372	[7738, 7739]	8701	[2311, 2776]	12030	[11525, 10883]
2044	[3619, 3462]	5373	[7740, 7741]	8702	[10921, 7044]	12031	[11322, 7183]
2045	[3620, 3621]	5374	[7742, 7743]	8703	[10922, 10923]	12032	[6194, 13046]
2046	[3622, 3535]	5375	[7744, 7745]	8704	[10558, 10924]	12033	[6380, 11298]
2047	[3623, 3624]	5376	[7746, 7747]	8705	[691, 5419]	12034	[10756, 7556]
2048	[79, 3625]	5377	[7748, 1778]	8706	[10925, 2306]	12035	[2880, 10842]
2049	[3626, 3627]	5378	[7749, 7750]	8707	[7042, 10926]	12036	[6646, 884]
2050	[3628, 3629]	5379	[5295, 4384]	8708	[10927, 6271]	12037	[2640, 13047]
2051	[3630, 3631]	5380	[7750, 7751]	8709	[2914, 7146]	12038	[6742, 2300]
2052	[3632, 3633]	5381	[7752, 7753]	8710	[3120, 573]	12039	[11277, 11276]
2053	[3634, 3635]	5382	[7754, 7677]	8711	[10928, 10341]	12040	[13048, 10223]
2054	[3636, 3637]	5383	[7755, 5233]	8712	[10848, 42]	12041	[11455, 3019]
2055	[3638, 3639]	5384	[3648, 3811]	8713	[10901, 10929]	12042	[7375, 11138]
2056	[3640, 3641]	5385	[3650, 4360]	8714	[10195, 10930]	12043	[5940, 7539]
2057	[3642, 3643]	5386	[7756, 7757]	8715	[1902, 5983]	12044	[11659, 5534]
2058	[3644, 3645]	5387	[7700, 1556]	8716	[10931, 2784]	12045	[11653, 2408]
2059	[3646, 374]	5388	[7758, 7759]	8717	[3136, 2970]	12046	[2262, 13035]

2060	[3647, 3648]	5389	[7760, 5093]	8718	[794, 10932]	12047	[7004, 7506]
2061	[3649, 3650]	5390	[7761, 4735]	8719	[6867, 10933]	12048	[1873, 10826]
2062	[3651, 3652]	5391	[7762, 7763]	8720	[10509, 6134]	12049	[1888, 11468]
2063	[3653, 3654]	5392	[7764, 7765]	8721	[10934, 10899]	12050	[6293, 10626]
2064	[3655, 3656]	5393	[7766, 7767]	8722	[10935, 10936]	12051	[11574, 6304]
2065	[3657, 3658]	5394	[7768, 1732]	8723	[2868, 5867]	12052	[13049, 11038]
2066	[3659, 464]	5395	[7769, 7770]	8724	[10616, 10937]	12053	[6542, 5693]
2067	[3335, 1259]	5396	[7771, 7772]	8725	[10938, 6366]	12054	[10467, 11206]
2068	[3660, 1261]	5397	[1591, 7773]	8726	[10939, 5759]	12055	[750, 10802]
2069	[3661, 3662]	5398	[7774, 7775]	8727	[10940, 10368]	12056	[6527, 13050]
2070	[3663, 3664]	5399	[7776, 4771]	8728	[5535, 10941]	12057	[11474, 6495]
2071	[3665, 3280]	5400	[7777, 1623]	8729	[5853, 6540]	12058	[13051, 13052]
2072	[3666, 3667]	5401	[7778, 7779]	8730	[10303, 10942]	12059	[11471, 13053]
2073	[3257, 3668]	5402	[7780, 7781]	8731	[7097, 2169]	12060	[2451, 13027]
2074	[6, 3669]	5403	[7782, 3762]	8732	[7591, 10943]	12061	[5820, 11256]
2075	[3670, 1116]	5404	[7783, 7784]	8733	[10944, 10945]	12062	[6817, 614]
2076	[3671, 3672]	5405	[7785, 7786]	8734	[10946, 2842]	12063	[10592, 2164]
2077	[3673, 3620]	5406	[7787, 1057]	8735	[10947, 10948]	12064	[10506, 7223]
2078	[3674, 3675]	5407	[7788, 7789]	8736	[6545, 5496]	12065	[7049, 7037]
2079	[3676, 3677]	5408	[7790, 7791]	8737	[5386, 184]	12066	[13054, 13007]
2080	[3678, 3679]	5409	[7792, 7793]	8738	[10949, 58]	12067	[10465, 769]
2081	[3680, 3681]	5410	[24, 7794]	8739	[6107, 6287]	12068	[6545, 13055]
2082	[3682, 3683]	5411	[1507, 3803]	8740	[1797, 7393]	12069	[7145, 10784]
2083	[3684, 3685]	5412	[4520, 4709]	8741	[10950, 7157]	12070	[11375, 11284]
2084	[3686, 3687]	5413	[3761, 7795]	8742	[10951, 10952]	12071	[6789, 10191]
2085	[3688, 3689]	5414	[4850, 3385]	8743	[6836, 2188]	12072	[2698, 11601]
2086	[3690, 3691]	5415	[7796, 7797]	8744	[7291, 7535]	12073	[12955, 10816]
2087	[3692, 3565]	5416	[1321, 7798]	8745	[10953, 10954]	12074	[5770, 2790]
2088	[3693, 3694]	5417	[7799, 7800]	8746	[5660, 248]	12075	[13041, 2433]
2089	[3224, 3695]	5418	[251, 1696]	8747	[6263, 12]	12076	[5430, 2533]
2090	[3696, 3697]	5419	[7801, 3643]	8748	[10955, 10338]	12077	[2466, 7079]
2091	[3698, 3699]	5420	[7802, 7803]	8749	[698, 6174]	12078	[6963, 6446]
2092	[3700, 3701]	5421	[7804, 7805]	8750	[2853, 10956]	12079	[7078, 2467]
2093	[3702, 3703]	5422	[7806, 7807]	8751	[7450, 3078]	12080	[1942, 5686]
2094	[3704, 3705]	5423	[7808, 1327]	8752	[5511, 725]	12081	[2840, 7499]
2095	[3706, 3707]	5424	[7809, 1488]	8753	[7593, 3128]	12082	[13056, 11127]
2096	[346, 3708]	5425	[7810, 3407]	8754	[10957, 2979]	12083	[12956, 5919]
2097	[3709, 3710]	5426	[7811, 1374]	8755	[6972, 5727]	12084	[13057, 6718]
2098	[3412, 1192]	5427	[7812, 7813]	8756	[10958, 218]	12085	[11623, 891]
2099	[3711, 3712]	5428	[7814, 4373]	8757	[7271, 10959]	12086	[7197, 570]
2100	[16, 1619]	5429	[7815, 7816]	8758	[10960, 10961]	12087	[7587, 11184]
2101	[87, 3713]	5430	[7795, 1566]	8759	[6591, 2510]	12088	[2767, 11107]
2102	[3714, 1569]	5431	[4644, 7817]	8760	[10254, 10962]	12089	[5686, 6144]
2103	[961, 3715]	5432	[7818, 450]	8761	[10405, 229]	12090	[2195, 10635]

2104	[3716, 1588]	5433	[7819, 5196]	8762	[2322, 10963]	12091	[10332, 11448]
2105	[3717, 3718]	5434	[5243, 7820]	8763	[10964, 863]	12092	[3146, 7395]
2106	[3719, 3720]	5435	[7821, 7822]	8764	[7184, 10828]	12093	[6904, 663]
2107	[3721, 3722]	5436	[7823, 7824]	8765	[7449, 2415]	12094	[6346, 6571]
2108	[3723, 3724]	5437	[7825, 7826]	8766	[534, 2445]	12095	[5785, 6567]
2109	[3725, 1615]	5438	[7827, 7828]	8767	[5928, 7105]	12096	[3045, 2204]
2110	[3726, 1517]	5439	[7829, 4718]	8768	[6269, 626]	12097	[7298, 2980]
2111	[3727, 1565]	5440	[7830, 7831]	8769	[5635, 2140]	12098	[2029, 13058]
2112	[3728, 3729]	5441	[7832, 4073]	8770	[10965, 6139]	12099	[10800, 1938]
2113	[3730, 3731]	5442	[7833, 4031]	8771	[10966, 10619]	12100	[12981, 13059]
2114	[3732, 3733]	5443	[7834, 4082]	8772	[2164, 10413]	12101	[10755, 5647]
2115	[3734, 1674]	5444	[7835, 7836]	8773	[10967, 2991]	12102	[6509, 10290]
2116	[3735, 1074]	5445	[7837, 7838]	8774	[10968, 10969]	12103	[5461, 2204]
2117	[18, 3736]	5446	[7839, 7840]	8775	[10281, 2620]	12104	[10481, 6133]
2118	[3737, 3738]	5447	[7841, 7842]	8776	[6683, 6401]	12105	[6693, 10685]
2119	[1604, 3655]	5448	[7843, 1741]	8777	[1807, 817]	12106	[7402, 11697]
2120	[3739, 3740]	5449	[7844, 7845]	8778	[7020, 6128]	12107	[10879, 7028]
2121	[3741, 3742]	5450	[7846, 1128]	8779	[2099, 10427]	12108	[6966, 11343]
2122	[3743, 3744]	5451	[7847, 7848]	8780	[10169, 10970]	12109	[11013, 10378]
2123	[3745, 3746]	5452	[7849, 7850]	8781	[10388, 839]	12110	[2608, 5541]
2124	[3211, 3747]	5453	[7851, 7852]	8782	[10702, 2836]	12111	[5334, 7005]
2125	[3748, 3749]	5454	[7853, 7854]	8783	[7351, 6603]	12112	[2507, 13060]
2126	[3750, 3751]	5455	[7855, 3244]	8784	[10971, 2531]	12113	[6053, 13061]
2127	[3752, 3753]	5456	[3594, 7856]	8785	[2632, 6191]	12114	[2837, 13062]
2128	[3754, 3755]	5457	[7857, 7858]	8786	[7352, 5612]	12115	[10459, 2798]
2129	[3756, 3757]	5458	[7859, 7860]	8787	[2448, 10972]	12116	[2715, 13023]
2130	[3758, 3759]	5459	[7861, 348]	8788	[2303, 2260]	12117	[1981, 864]
2131	[3760, 3761]	5460	[7862, 7863]	8789	[10973, 865]	12118	[10311, 13063]
2132	[3762, 3763]	5461	[7864, 7865]	8790	[10684, 6694]	12119	[11235, 2255]
2133	[3764, 3765]	5462	[7866, 7867]	8791	[10974, 10163]	12120	[7018, 10278]
2134	[3766, 3767]	5463	[7868, 7869]	8792	[10975, 2255]	12121	[6780, 10612]
2135	[3768, 3769]	5464	[7870, 7871]	8793	[10976, 10977]	12122	[2461, 12940]
2136	[3770, 3771]	5465	[7872, 7873]	8794	[5653, 10978]	12123	[2204, 2721]
2137	[3424, 3772]	5466	[7874, 5217]	8795	[10881, 10979]	12124	[5615, 13064]
2138	[3773, 3774]	5467	[3936, 7875]	8796	[139, 10980]	12125	[11280, 11568]
2139	[3775, 3776]	5468	[7876, 313]	8797	[10981, 10388]	12126	[11673, 10556]
2140	[3777, 3778]	5469	[7877, 7878]	8798	[5696, 7623]	12127	[13065, 13066]
2141	[1378, 3779]	5470	[4587, 490]	8799	[10982, 10983]	12128	[11033, 6716]
2142	[3780, 1097]	5471	[4266, 1330]	8800	[10221, 1954]	12129	[13040, 7591]
2143	[3781, 3782]	5472	[1461, 5284]	8801	[10971, 1936]	12130	[6781, 6713]
2144	[3783, 3784]	5473	[1465, 7879]	8802	[10984, 1974]	12131	[10389, 5637]
2145	[3785, 3786]	5474	[7880, 7881]	8803	[6097, 10985]	12132	[5880, 13067]
2146	[68, 3787]	5475	[3857, 5103]	8804	[10569, 2249]	12133	[11565, 7136]
2147	[3788, 3789]	5476	[7882, 7883]	8805	[5596, 10986]	12134	[10179, 2283]

2148	[3790, 3791]	5477	[7884, 1706]	8806	[1926, 10987]	12135	[187, 13068]
2149	[3792, 3793]	5478	[7741, 3576]	8807	[5505, 2800]	12136	[7029, 13069]
2150	[3794, 3193]	5479	[1727, 7885]	8808	[10988, 10989]	12137	[169, 10515]
2151	[3795, 3796]	5480	[7886, 4327]	8809	[2034, 10990]	12138	[10291, 6797]
2152	[3797, 1539]	5481	[7887, 111]	8810	[7614, 6899]	12139	[2718, 7621]
2153	[3798, 3799]	5482	[4900, 3300]	8811	[2848, 6235]	12140	[2052, 576]
2154	[3800, 1582]	5483	[7888, 7889]	8812	[10991, 7123]	12141	[2787, 13070]
2155	[3801, 3802]	5484	[7890, 3316]	8813	[10992, 2463]	12142	[7248, 10943]
2156	[3803, 3346]	5485	[7891, 7892]	8814	[10993, 10693]	12143	[11581, 5633]
2157	[3804, 3277]	5486	[7893, 7894]	8815	[206, 7507]	12144	[227, 11681]
2158	[3805, 3565]	5487	[7895, 1778]	8816	[10994, 10995]	12145	[10259, 13071]
2159	[3806, 3567]	5488	[7896, 4549]	8817	[7384, 6451]	12146	[3123, 13072]
2160	[3807, 3808]	5489	[7897, 4251]	8818	[499, 2103]	12147	[5413, 1841]
2161	[3809, 3810]	5490	[7898, 5294]	8819	[7034, 5365]	12148	[6315, 2905]
2162	[3811, 3812]	5491	[7899, 7900]	8820	[10996, 5616]	12149	[11689, 7091]
2163	[3813, 3814]	5492	[7901, 7902]	8821	[6651, 169]	12150	[10758, 1880]
2164	[3815, 3816]	5493	[4941, 5172]	8822	[6989, 10997]	12151	[7281, 11073]
2165	[3817, 3818]	5494	[7903, 5035]	8823	[10319, 3007]	12152	[11076, 12971]
2166	[3819, 3820]	5495	[7904, 7905]	8824	[5708, 7457]	12153	[13073, 6005]
2167	[3821, 3822]	5496	[7906, 7907]	8825	[741, 10998]	12154	[10887, 553]
2168	[3823, 3824]	5497	[3494, 7908]	8826	[10999, 5441]	12155	[13074, 6641]
2169	[3825, 3826]	5498	[7909, 3706]	8827	[10287, 3170]	12156	[7245, 802]
2170	[3656, 1524]	5499	[7910, 7911]	8828	[591, 11000]	12157	[10843, 13075]
2171	[3827, 3828]	5500	[7912, 7913]	8829	[11001, 2199]	12158	[2941, 5933]
2172	[372, 3829]	5501	[7914, 4712]	8830	[11002, 6963]	12159	[3009, 11699]
2173	[3830, 3831]	5502	[7915, 4121]	8831	[531, 5951]	12160	[10904, 11105]
2174	[3832, 3833]	5503	[7916, 7917]	8832	[11003, 2313]	12161	[2876, 2570]
2175	[3834, 1553]	5504	[7918, 4775]	8833	[11004, 868]	12162	[7165, 11245]
2176	[3835, 3836]	5505	[7919, 7920]	8834	[11005, 11006]	12163	[763, 7368]
2177	[3837, 3838]	5506	[4470, 7921]	8835	[6914, 3063]	12164	[7222, 2963]
2178	[3839, 3840]	5507	[7922, 7923]	8836	[2184, 7328]	12165	[2521, 6832]
2179	[3841, 3842]	5508	[7924, 7925]	8837	[7493, 10579]	12166	[11185, 1902]
2180	[3843, 3844]	5509	[7926, 7927]	8838	[7047, 7116]	12167	[5350, 521]
2181	[3845, 3846]	5510	[7928, 3814]	8839	[11007, 5566]	12168	[11595, 7341]
2182	[3847, 3848]	5511	[7929, 7851]	8840	[11008, 10192]	12169	[13076, 6530]
2183	[3849, 1119]	5512	[1200, 7930]	8841	[6218, 6239]	12170	[11078, 5712]
2184	[3850, 3851]	5513	[7931, 7932]	8842	[2997, 6049]	12171	[13077, 6377]
2185	[3852, 3853]	5514	[7933, 1306]	8843	[10324, 6726]	12172	[6195, 2277]
2186	[3854, 3855]	5515	[7934, 7935]	8844	[780, 2996]	12173	[1916, 2039]
2187	[3856, 3857]	5516	[7936, 3384]	8845	[11009, 6232]	12174	[5354, 5435]
2188	[3858, 3695]	5517	[7937, 7727]	8846	[7515, 7357]	12175	[765, 12968]
2189	[3859, 3860]	5518	[7938, 3832]	8847	[6868, 10717]	12176	[13078, 45]
2190	[3861, 3826]	5519	[7939, 7891]	8848	[10526, 3053]	12177	[13079, 11597]
2191	[3862, 3863]	5520	[7940, 4235]	8849	[11010, 11011]	12178	[2520, 6443]

2192	[1725, 3864]	5521	[1305, 7736]	8850	[2510, 7048]	12179	[11481, 232]
2193	[1014, 3865]	5522	[7941, 4381]	8851	[839, 6484]	12180	[10972, 13080]
2194	[3866, 3867]	5523	[7942, 7943]	8852	[2840, 6013]	12181	[13081, 10308]
2195	[3868, 3869]	5524	[7944, 7945]	8853	[11012, 6594]	12182	[7565, 246]
2196	[3870, 3871]	5525	[7946, 1338]	8854	[11013, 11014]	12183	[11189, 2454]
2197	[3872, 3873]	5526	[7947, 7948]	8855	[2786, 2487]	12184	[7189, 2356]
2198	[969, 3874]	5527	[7949, 3801]	8856	[10318, 2969]	12185	[5827, 795]
2199	[3875, 3876]	5528	[4032, 7950]	8857	[2841, 2977]	12186	[10484, 224]
2200	[3877, 3878]	5529	[7951, 1781]	8858	[11015, 6592]	12187	[11294, 6046]
2201	[3879, 3880]	5530	[3452, 7952]	8859	[11016, 11017]	12188	[11456, 10382]
2202	[3881, 3882]	5531	[7953, 7954]	8860	[11018, 11019]	12189	[10852, 11046]
2203	[3883, 3884]	5532	[1659, 7955]	8861	[210, 2241]	12190	[10683, 6882]
2204	[3885, 3886]	5533	[7956, 3791]	8862	[10854, 11020]	12191	[5656, 13082]
2205	[3887, 3888]	5534	[7957, 4106]	8863	[7086, 6349]	12192	[11428, 6741]
2206	[3300, 3889]	5535	[7958, 3856]	8864	[11021, 11022]	12193	[6032, 846]
2207	[3350, 3890]	5536	[7959, 7885]	8865	[11023, 6802]	12194	[5718, 10813]
2208	[3891, 3892]	5537	[7960, 1377]	8866	[10833, 5826]	12195	[3090, 11134]
2209	[3333, 3893]	5538	[7961, 4074]	8867	[11024, 583]	12196	[11374, 5926]
2210	[3894, 953]	5539	[4037, 7962]	8868	[6388, 3145]	12197	[13083, 13084]
2211	[3895, 3896]	5540	[7963, 7964]	8869	[11025, 5583]	12198	[11, 6264]
2212	[3500, 3897]	5541	[7965, 7966]	8870	[5860, 507]	12199	[2316, 7496]
2213	[3898, 3899]	5542	[428, 4703]	8871	[559, 10158]	12200	[10722, 2481]
2214	[3900, 3195]	5543	[7967, 4629]	8872	[6668, 10258]	12201	[11059, 6207]
2215	[3901, 311]	5544	[3833, 5213]	8873	[6426, 1949]	12202	[10725, 11672]
2216	[3902, 1050]	5545	[7968, 7969]	8874	[2055, 5754]	12203	[10219, 803]
2217	[3903, 3904]	5546	[7970, 7971]	8875	[11026, 10480]	12204	[11600, 2645]
2218	[3905, 398]	5547	[7848, 1747]	8876	[11027, 2252]	12205	[7568, 13085]
2219	[1736, 3606]	5548	[7972, 1419]	8877	[11028, 11029]	12206	[6489, 5428]
2220	[3906, 3907]	5549	[7973, 7974]	8878	[2050, 2228]	12207	[10638, 6918]
2221	[3908, 3909]	5550	[7975, 3639]	8879	[11030, 11031]	12208	[50, 11686]
2222	[3757, 3910]	5551	[7976, 7977]	8880	[1845, 2067]	12209	[7612, 6007]
2223	[3911, 3912]	5552	[1520, 4707]	8881	[11032, 3084]	12210	[6028, 834]
2224	[3913, 3914]	5553	[7978, 7979]	8882	[11033, 11034]	12211	[13065, 5417]
2225	[3355, 3915]	5554	[7980, 3494]	8883	[11035, 542]	12212	[2596, 1899]
2226	[3851, 3916]	5555	[7981, 7982]	8884	[10396, 11036]	12213	[10755, 10987]
2227	[3917, 3918]	5556	[7983, 4363]	8885	[2069, 605]	12214	[7263, 13058]
2228	[3919, 3879]	5557	[7984, 4913]	8886	[2842, 2978]	12215	[11451, 10166]
2229	[3920, 3921]	5558	[7985, 7986]	8887	[10353, 10482]	12216	[11473, 5922]
2230	[3922, 3923]	5559	[4364, 7987]	8888	[2202, 7200]	12217	[6102, 1996]
2231	[3924, 3925]	5560	[7988, 7989]	8889	[2114, 7439]	12218	[6111, 10770]
2232	[3926, 3927]	5561	[7990, 7991]	8890	[6131, 5369]	12219	[11346, 13086]
2233	[1497, 3928]	5562	[7992, 7993]	8891	[11037, 11038]	12220	[5774, 6445]
2234	[3929, 3930]	5563	[7994, 118]	8892	[11039, 10513]	12221	[10927, 5602]
2235	[3931, 3294]	5564	[7995, 7996]	8893	[2919, 7453]	12222	[12987, 192]

2236	[3932, 3933]	5565	[7997, 4079]	8894	[11040, 11041]	12223	[2437, 6261]
2237	[1490, 3934]	5566	[7998, 7999]	8895	[11042, 11043]	12224	[11610, 6629]
2238	[3935, 3936]	5567	[8000, 7972]	8896	[7434, 2002]	12225	[11314, 13087]
2239	[3937, 3938]	5568	[3331, 8001]	8897	[11044, 2017]	12226	[2273, 1963]
2240	[3939, 3940]	5569	[8002, 4089]	8898	[11045, 5370]	12227	[6389, 5814]
2241	[3765, 390]	5570	[8003, 8004]	8899	[11015, 5345]	12228	[11255, 7290]
2242	[3941, 3411]	5571	[8005, 4228]	8900	[5858, 11046]	12229	[2071, 6625]
2243	[3942, 3943]	5572	[8006, 3327]	8901	[1826, 10540]	12230	[5768, 11215]
2244	[3944, 3945]	5573	[8007, 22]	8902	[11047, 187]	12231	[12231, 12231]
2245	[1546, 3946]	5574	[8008, 4817]	8903	[11048, 6383]	12232	[58, 2234]
2246	[3947, 3948]	5575	[8009, 3492]	8904	[6619, 665]	12233	[2617, 2058]
2247	[3949, 3950]	5576	[4052, 8010]	8905	[5608, 6014]	12234	[859, 2097]
2248	[3951, 3952]	5577	[8011, 8012]	8906	[7528, 11049]	12235	[11604, 5895]
2249	[3953, 3954]	5578	[3219, 7783]	8907	[6191, 505]	12236	[5980, 2078]
2250	[3955, 3956]	5579	[8013, 375]	8908	[11050, 11051]	12237	[5555, 2096]
2251	[3957, 1655]	5580	[8014, 8015]	8909	[11052, 5668]	12238	[1847, 6701]
2252	[3958, 3959]	5581	[8016, 4583]	8910	[1865, 7559]	12239	[7579, 13088]
2253	[3960, 3220]	5582	[8017, 3823]	8911	[11053, 927]	12240	[6689, 2034]
2254	[3961, 3962]	5583	[3380, 3704]	8912	[6055, 11054]	12241	[11106, 7488]
2255	[1543, 3963]	5584	[8018, 8019]	8913	[6421, 2381]	12242	[2400, 621]
2256	[3964, 357]	5585	[1793, 4395]	8914	[10650, 5579]	12243	[11085, 11062]
2257	[3965, 3966]	5586	[8020, 8021]	8915	[2532, 2546]	12244	[6842, 13089]
2258	[3967, 3968]	5587	[8022, 8023]	8916	[5455, 2957]	12245	[10671, 10763]
2259	[3969, 3970]	5588	[8024, 7719]	8917	[7647, 7390]	12246	[2013, 6689]
2260	[3971, 3972]	5589	[8025, 3693]	8918	[10188, 6431]	12247	[5869, 2257]
2261	[3973, 71]	5590	[8026, 3276]	8919	[7276, 6959]	12248	[10611, 2081]
2262	[3974, 3752]	5591	[8027, 8028]	8920	[10852, 10622]	12249	[7622, 6967]
2263	[3975, 3976]	5592	[8029, 4996]	8921	[2451, 6145]	12250	[12982, 10633]
2264	[3977, 3978]	5593	[8030, 1457]	8922	[10227, 7126]	12251	[6984, 11000]
2265	[3979, 3980]	5594	[8031, 4826]	8923	[10186, 6422]	12252	[11160, 13090]
2266	[3981, 3982]	5595	[8032, 8033]	8924	[7321, 821]	12253	[5489, 13091]
2267	[3983, 3984]	5596	[8034, 8035]	8925	[7468, 6850]	12254	[10284, 3098]
2268	[3985, 3418]	5597	[1185, 8036]	8926	[2291, 3015]	12255	[10502, 10554]
2269	[3986, 3706]	5598	[8037, 8038]	8927	[11055, 6517]	12256	[13057, 1818]
2270	[3987, 3988]	5599	[8039, 3321]	8928	[6505, 5869]	12257	[222, 7395]
2271	[1279, 3989]	5600	[4078, 3842]	8929	[6063, 7001]	12258	[11354, 13018]
2272	[3990, 3991]	5601	[7706, 8040]	8930	[6722, 2285]	12259	[5390, 7009]
2273	[3992, 3993]	5602	[468, 8041]	8931	[11056, 6273]	12260	[6960, 11536]
2274	[3994, 3995]	5603	[8042, 381]	8932	[932, 2958]	12261	[10772, 6698]
2275	[3996, 3997]	5604	[8043, 4498]	8933	[10180, 2729]	12262	[11142, 13024]
2276	[3998, 3999]	5605	[8044, 5072]	8934	[11057, 2838]	12263	[2954, 6819]
2277	[3633, 3491]	5606	[8045, 8046]	8935	[11058, 6737]	12264	[10446, 10145]
2278	[4000, 3585]	5607	[8047, 8048]	8936	[11059, 6963]	12265	[11630, 11549]
2279	[4001, 4002]	5608	[8049, 8050]	8937	[7429, 6306]	12266	[11632, 10235]

2280	[4003, 1590]	5609	[5220, 7963]	8938	[11060, 6122]	12267	[6933, 5313]
2281	[4004, 4005]	5610	[8051, 8052]	8939	[11061, 10445]	12268	[567, 13092]
2282	[4006, 4007]	5611	[8053, 3246]	8940	[7336, 11062]	12269	[11204, 13093]
2283	[3771, 4008]	5612	[8054, 7937]	8941	[11063, 6300]	12270	[6108, 11019]
2284	[4009, 4010]	5613	[8055, 1442]	8942	[2079, 11064]	12271	[6552, 13094]
2285	[4011, 4012]	5614	[8056, 3818]	8943	[11065, 2542]	12272	[11366, 11331]
2286	[4013, 3200]	5615	[8057, 4223]	8944	[10896, 7198]	12273	[2006, 6644]
2287	[4014, 4015]	5616	[8058, 3313]	8945	[159, 6525]	12274	[6066, 10273]
2288	[1132, 1168]	5617	[8059, 4566]	8946	[11066, 10615]	12275	[2277, 11279]
2289	[4016, 4017]	5618	[8060, 8061]	8947	[2257, 6181]	12276	[7082, 633]
2290	[4018, 4019]	5619	[8062, 8063]	8948	[6267, 5844]	12277	[2019, 5781]
2291	[4020, 4021]	5620	[8064, 8065]	8949	[11067, 5464]	12278	[5329, 6084]
2292	[3909, 4022]	5621	[7670, 3247]	8950	[5907, 2350]	12279	[10337, 6504]
2293	[313, 4023]	5622	[8066, 1499]	8951	[2548, 7465]	12280	[6582, 13016]
2294	[4024, 4025]	5623	[8067, 8068]	8952	[11068, 11069]	12281	[2252, 10164]
2295	[4026, 4027]	5624	[8069, 4085]	8953	[10564, 2633]	12282	[770, 2973]
2296	[4028, 4029]	5625	[8070, 8071]	8954	[11070, 688]	12283	[7602, 13095]
2297	[1680, 1389]	5626	[8072, 8073]	8955	[5943, 5465]	12284	[11386, 6955]
2298	[4030, 1109]	5627	[7838, 8074]	8956	[6926, 11071]	12285	[13096, 5818]
2299	[4031, 4032]	5628	[8075, 8076]	8957	[2780, 663]	12286	[11133, 3091]
2300	[4033, 1777]	5629	[8077, 8078]	8958	[10733, 216]	12287	[2220, 7221]
2301	[4034, 4035]	5630	[8079, 8007]	8959	[2311, 543]	12288	[11273, 6686]
2302	[1740, 1775]	5631	[8080, 1534]	8960	[793, 1794]	12289	[6153, 13034]
2303	[4036, 4037]	5632	[8081, 8082]	8961	[11072, 11073]	12290	[13097, 7154]
2304	[4038, 4039]	5633	[8083, 5135]	8962	[5641, 3027]	12291	[7000, 2108]
2305	[3368, 4040]	5634	[4183, 3267]	8963	[2870, 11074]	12292	[221, 5974]
2306	[4041, 3667]	5635	[8084, 8085]	8964	[11075, 1846]	12293	[13005, 6064]
2307	[4042, 4043]	5636	[8086, 4634]	8965	[11076, 11077]	12294	[11569, 11400]
2308	[4044, 4045]	5637	[8087, 4582]	8966	[7510, 718]	12295	[10144, 10447]
2309	[4046, 1033]	5638	[8088, 3919]	8967	[10866, 6860]	12296	[11036, 11367]
2310	[4047, 4048]	5639	[8089, 4316]	8968	[11078, 1809]	12297	[5554, 13098]
2311	[4049, 4050]	5640	[8090, 8091]	8969	[11079, 11080]	12298	[6620, 11236]
2312	[4051, 4052]	5641	[8092, 8093]	8970	[899, 6307]	12299	[10212, 13099]
2313	[4053, 1325]	5642	[8094, 4635]	8971	[10551, 10715]	12300	[10751, 7349]
2314	[4054, 468]	5643	[8095, 8096]	8972	[947, 6642]	12301	[724, 5512]
2315	[4055, 1793]	5644	[474, 8097]	8973	[680, 5364]	12302	[10803, 11519]
2316	[4056, 4057]	5645	[8098, 8099]	8974	[5340, 11081]	12303	[5746, 11466]
2317	[4058, 4059]	5646	[8100, 8101]	8975	[2804, 6632]	12304	[2540, 7085]
2318	[4060, 4061]	5647	[8102, 4498]	8976	[938, 668]	12305	[5518, 10743]
2319	[1166, 4062]	5648	[4510, 8103]	8977	[937, 7131]	12306	[11685, 5931]
2320	[4063, 3327]	5649	[8104, 8105]	8978	[2690, 914]	12307	[10761, 5843]
2321	[4064, 4065]	5650	[8106, 3523]	8979	[2998, 2277]	12308	[10482, 6328]
2322	[4066, 4067]	5651	[1114, 3778]	8980	[2236, 6049]	12309	[3125, 2973]
2323	[4068, 3772]	5652	[8107, 8108]	8981	[7439, 6570]	12310	[6013, 11239]

2324	[4069, 3232]	5653	[8109, 8110]	8982	[7324, 6370]	12311	[5974, 6464]
2325	[4070, 4071]	5654	[5211, 8111]	8983	[6094, 6373]	12312	[10575, 5960]
2326	[4072, 4073]	5655	[8112, 3811]	8984	[11082, 6951]	12313	[2800, 11151]
2327	[4074, 4075]	5656	[8113, 8114]	8985	[11083, 5736]	12314	[10750, 1951]
2328	[4076, 4077]	5657	[8115, 8116]	8986	[11084, 2148]	12315	[10835, 6638]
2329	[1292, 4078]	5658	[8117, 8118]	8987	[7413, 6521]	12316	[11113, 3112]
2330	[4079, 1572]	5659	[5013, 1481]	8988	[11085, 2]	12317	[10730, 2699]
2331	[4080, 3529]	5660	[8119, 1721]	8989	[11086, 6551]	12318	[2869, 11518]
2332	[95, 4081]	5661	[8120, 8121]	8990	[11087, 11088]	12319	[6356, 938]
2333	[4082, 4083]	5662	[8122, 1401]	8991	[11089, 10704]	12320	[7481, 11658]
2334	[4084, 4085]	5663	[4376, 1611]	8992	[5739, 10421]	12321	[7290, 7316]
2335	[4086, 4087]	5664	[117, 8123]	8993	[11090, 11091]	12322	[10493, 5726]
2336	[4088, 4089]	5665	[8124, 8125]	8994	[5996, 11092]	12323	[7101, 11616]
2337	[4090, 4091]	5666	[8126, 3357]	8995	[11093, 11094]	12324	[6381, 6537]
2338	[4092, 1110]	5667	[8127, 8128]	8996	[11095, 11096]	12325	[10217, 907]
2339	[4093, 4094]	5668	[8129, 1030]	8997	[11097, 11098]	12326	[10400, 13100]
2340	[3695, 1446]	5669	[8130, 1421]	8998	[654, 241]	12327	[13079, 10349]
2341	[4095, 4096]	5670	[5061, 8131]	8999	[7244, 6425]	12328	[6959, 861]
2342	[3643, 4097]	5671	[8132, 406]	9000	[11099, 515]	12329	[13101, 6257]
2343	[4098, 3701]	5672	[8133, 8134]	9001	[6847, 7233]	12330	[1943, 6144]
2344	[1309, 4099]	5673	[8135, 8136]	9002	[10633, 2311]	12331	[6708, 2093]
2345	[4100, 4101]	5674	[8137, 3705]	9003	[583, 11100]	12332	[11478, 228]
2346	[4102, 1270]	5675	[8138, 8139]	9004	[11101, 10571]	12333	[10539, 1827]
2347	[4103, 3638]	5676	[8140, 3532]	9005	[7061, 5727]	12334	[2225, 6824]
2348	[4104, 4105]	5677	[8141, 396]	9006	[5973, 2339]	12335	[7095, 6320]
2349	[4106, 319]	5678	[8142, 1153]	9007	[2358, 11102]	12336	[7237, 11638]
2350	[1123, 431]	5679	[8143, 8144]	9008	[6503, 56]	12337	[10200, 13102]
2351	[3799, 4107]	5680	[8145, 4082]	9009	[2880, 1993]	12338	[13083, 11157]
2352	[4108, 4109]	5681	[4022, 8146]	9010	[5455, 1830]	12339	[10146, 11020]
2353	[4110, 4111]	5682	[8147, 8148]	9011	[2004, 3004]	12340	[737, 5777]
2354	[4112, 4113]	5683	[8149, 8150]	9012	[11103, 6153]	12341	[2673, 6637]
2355	[4114, 3349]	5684	[8151, 1713]	9013	[2955, 7101]	12342	[11422, 10373]
2356	[4115, 4116]	5685	[8152, 3290]	9014	[7007, 2141]	12343	[7515, 13103]
2357	[4117, 3436]	5686	[8153, 7781]	9015	[11104, 11105]	12344	[5673, 7637]
2358	[4118, 4119]	5687	[460, 3459]	9016	[7648, 2243]	12345	[7169, 13086]
2359	[4120, 4121]	5688	[8154, 3562]	9017	[11106, 7256]	12346	[10895, 10568]
2360	[4122, 4123]	5689	[1253, 8155]	9018	[6739, 11107]	12347	[11209, 10873]
2361	[4124, 4125]	5690	[8156, 5018]	9019	[11108, 11109]	12348	[913, 2691]
2362	[4126, 4127]	5691	[4693, 4150]	9020	[11024, 2952]	12349	[10958, 6151]
2363	[4128, 1653]	5692	[101, 1430]	9021	[11110, 6036]	12350	[10966, 11539]
2364	[4129, 4130]	5693	[8157, 4312]	9022	[10682, 2665]	12351	[5937, 2506]
2365	[4131, 4132]	5694	[8158, 1009]	9023	[2365, 7250]	12352	[13104, 11563]
2366	[4133, 1365]	5695	[8159, 1290]	9024	[7362, 11111]	12353	[5957, 10309]
2367	[4134, 4135]	5696	[8160, 1118]	9025	[11112, 6065]	12354	[10477, 7488]

2368	[4136, 4137]	5697	[4019, 8161]	9026	[11068, 7479]	12355	[13049, 13105]
2369	[4138, 4139]	5698	[8162, 8163]	9027	[11113, 7390]	12356	[701, 10792]
2370	[4140, 4141]	5699	[8164, 8165]	9028	[2298, 573]	12357	[13106, 2254]
2371	[4142, 3940]	5700	[8166, 8167]	9029	[11114, 11115]	12358	[12948, 5883]
2372	[4143, 4144]	5701	[8168, 3370]	9030	[11116, 11117]	12359	[1848, 7568]
2373	[4145, 1784]	5702	[8169, 8170]	9031	[11118, 10591]	12360	[7619, 13107]
2374	[4146, 369]	5703	[3705, 8115]	9032	[11119, 7582]	12361	[13108, 11320]
2375	[3526, 121]	5704	[8171, 3809]	9033	[3058, 7110]	12362	[13109, 11297]
2376	[4147, 4148]	5705	[4166, 1245]	9034	[6133, 5741]	12363	[7234, 5435]
2377	[4149, 4150]	5706	[8172, 8173]	9035	[11120, 5500]	12364	[788, 148]
2378	[4151, 3269]	5707	[8174, 4878]	9036	[11121, 7432]	12365	[7062, 10486]
2379	[4152, 1411]	5708	[107, 8175]	9037	[775, 7262]	12366	[11118, 11282]
2380	[4153, 4154]	5709	[454, 8176]	9038	[2652, 7185]	12367	[7044, 13017]
2381	[4155, 4156]	5710	[8177, 8178]	9039	[11122, 2333]	12368	[2701, 13110]
2382	[4157, 3759]	5711	[8179, 8180]	9040	[11123, 11124]	12369	[10749, 1918]
2383	[4158, 1537]	5712	[8181, 8182]	9041	[5418, 894]	12370	[7466, 11688]
2384	[4159, 4160]	5713	[8183, 8184]	9042	[703, 6889]	12371	[5553, 7400]
2385	[4161, 4162]	5714	[8185, 8186]	9043	[157, 10180]	12372	[11533, 11637]
2386	[4163, 4164]	5715	[8187, 3890]	9044	[11125, 5612]	12373	[6943, 11064]
2387	[4165, 4166]	5716	[8188, 8189]	9045	[11124, 2526]	12374	[5335, 11004]
2388	[4167, 4168]	5717	[8190, 3273]	9046	[3064, 6160]	12375	[5761, 1986]
2389	[4169, 4170]	5718	[8191, 8192]	9047	[10327, 5723]	12376	[2777, 11117]
2390	[4171, 4172]	5719	[8193, 4644]	9048	[11126, 10362]	12377	[7556, 2507]
2391	[115, 4173]	5720	[8194, 8195]	9049	[7333, 6928]	12378	[2191, 6781]
2392	[4174, 4175]	5721	[8196, 8197]	9050	[11127, 10331]	12379	[13111, 13112]
2393	[1405, 4176]	5722	[5301, 5188]	9051	[11128, 526]	12380	[6394, 10201]
2394	[4177, 4178]	5723	[1130, 8198]	9052	[10249, 6116]	12381	[10875, 2135]
2395	[4179, 3761]	5724	[8199, 1221]	9053	[5935, 10791]	12382	[13054, 6786]
2396	[4180, 4181]	5725	[3940, 8200]	9054	[10557, 707]	12383	[5816, 212]
2397	[4182, 4183]	5726	[8201, 1143]	9055	[7252, 11091]	12384	[194, 6322]
2398	[4184, 1295]	5727	[8073, 8202]	9056	[1897, 529]	12385	[7434, 13113]
2399	[394, 3297]	5728	[8203, 3976]	9057	[11129, 5448]	12386	[7195, 11643]
2400	[4185, 4186]	5729	[8204, 8205]	9058	[10306, 10558]	12387	[7514, 7356]
2401	[4187, 4188]	5730	[8206, 4113]	9059	[5686, 2451]	12388	[11213, 10620]
2402	[4189, 4097]	5731	[8207, 107]	9060	[11130, 1815]	12389	[13029, 13114]
2403	[3708, 4190]	5732	[3914, 8208]	9061	[11131, 11132]	12390	[10374, 2948]
2404	[472, 4191]	5733	[8209, 1209]	9062	[11133, 11134]	12391	[927, 7047]
2405	[4192, 4193]	5734	[8210, 3549]	9063	[5698, 5838]	12392	[11023, 13115]
2406	[1056, 4194]	5735	[8211, 4599]	9064	[11135, 2911]	12393	[10723, 10218]
2407	[4195, 4196]	5736	[8212, 4799]	9065	[10220, 11136]	12394	[11082, 699]
2408	[4197, 4198]	5737	[8213, 8214]	9066	[6332, 10716]	12395	[3065, 12937]
2409	[3386, 4199]	5738	[4172, 365]	9067	[2415, 11137]	12396	[13056, 7071]
2410	[3382, 4200]	5739	[8215, 4285]	9068	[6994, 11138]	12397	[11103, 1836]
2411	[3384, 1681]	5740	[8216, 4477]	9069	[1915, 6605]	12398	[11561, 1840]

2412	[4201, 4202]	5741	[8217, 4101]	9070	[6249, 10528]	12399	[12975, 7175]
2413	[4203, 3656]	5742	[8218, 4022]	9071	[2659, 6228]	12400	[6305, 13116]
2414	[4204, 4205]	5743	[8219, 8220]	9072	[3021, 6188]	12401	[2695, 2954]
2415	[4206, 4207]	5744	[8221, 487]	9073	[11139, 5450]	12402	[539, 6177]
2416	[4208, 4209]	5745	[3658, 4218]	9074	[11140, 11051]	12403	[6581, 2834]
2417	[4210, 4211]	5746	[4589, 7690]	9075	[10659, 2011]	12404	[2723, 10588]
2418	[1162, 4212]	5747	[8222, 8223]	9076	[11141, 2190]	12405	[11125, 6357]
2419	[4213, 3715]	5748	[1012, 8224]	9077	[11142, 11143]	12406	[5762, 10871]
2420	[4214, 4215]	5749	[8225, 3713]	9078	[10580, 7400]	12407	[10688, 2877]
2421	[1476, 4216]	5750	[8226, 8227]	9079	[11144, 10475]	12408	[5781, 10629]
2422	[3925, 3228]	5751	[1102, 4125]	9080	[6871, 2572]	12409	[10731, 7604]
2423	[4217, 3927]	5752	[8228, 1246]	9081	[11145, 1840]	12410	[2054, 5753]
2424	[4218, 995]	5753	[8229, 3355]	9082	[11146, 11147]	12411	[7232, 506]
2425	[4219, 4220]	5754	[3637, 8230]	9083	[7453, 6473]	12412	[2154, 565]
2426	[4221, 4222]	5755	[8231, 5136]	9084	[11148, 708]	12413	[7218, 2788]
2427	[4223, 4224]	5756	[1298, 8232]	9085	[10972, 2629]	12414	[7118, 11474]
2428	[4065, 4225]	5757	[4458, 1362]	9086	[5625, 7129]	12415	[11338, 641]
2429	[4226, 3725]	5758	[8233, 4485]	9087	[6861, 10442]	12416	[11316, 10830]
2430	[4227, 4228]	5759	[8234, 4991]	9088	[1848, 776]	12417	[13074, 2086]
2431	[4229, 4230]	5760	[8235, 8236]	9089	[11149, 686]	12418	[753, 815]
2432	[4231, 4232]	5761	[8237, 3523]	9090	[917, 2218]	12419	[2587, 10784]
2433	[4233, 4234]	5762	[8238, 395]	9091	[11126, 2338]	12420	[11197, 2556]
2434	[4235, 4236]	5763	[8239, 1177]	9092	[5400, 10972]	12421	[1813, 6388]
2435	[4237, 4238]	5764	[8240, 8241]	9093	[10677, 10626]	12422	[2458, 5522]
2436	[4239, 4240]	5765	[8242, 1512]	9094	[11150, 746]	12423	[10874, 2937]
2437	[416, 4241]	5766	[4320, 8243]	9095	[5915, 11151]	12424	[7422, 7018]
2438	[4062, 4242]	5767	[8244, 8245]	9096	[11152, 6243]	12425	[2515, 2962]
2439	[4243, 1030]	5768	[8246, 8247]	9097	[6359, 2954]	12426	[5828, 13117]
2440	[4244, 4245]	5769	[8248, 3477]	9098	[7010, 11153]	12427	[12970, 11077]
2441	[4246, 3616]	5770	[7682, 8249]	9099	[7506, 5742]	12428	[5766, 5871]
2442	[4247, 78]	5771	[8250, 8251]	9100	[809, 2284]	12429	[10627, 6680]
2443	[4248, 4249]	5772	[8252, 8253]	9101	[2731, 7558]	12430	[7397, 2636]
2444	[4250, 4251]	5773	[8254, 8255]	9102	[6190, 6288]	12431	[845, 13118]
2445	[4252, 4253]	5774	[3277, 8256]	9103	[10340, 11154]	12432	[13119, 55]
2446	[1411, 4254]	5775	[8257, 8258]	9104	[10216, 10326]	12433	[2677, 7268]
2447	[4255, 4256]	5776	[8259, 8004]	9105	[11155, 6703]	12434	[11086, 10724]
2448	[4257, 4258]	5777	[8260, 4741]	9106	[2124, 2470]	12435	[11534, 7570]
2449	[4259, 4260]	5778	[4444, 8261]	9107	[6603, 2932]	12436	[5506, 2304]
2450	[4261, 4262]	5779	[443, 1303]	9108	[11156, 11157]	12437	[11148, 2402]
2451	[1701, 1416]	5780	[8262, 8263]	9109	[6857, 7295]	12438	[6045, 11295]
2452	[952, 4263]	5781	[8264, 1393]	9110	[2769, 11158]	12439	[13120, 13121]
2453	[1348, 4264]	5782	[3578, 8265]	9111	[6185, 6629]	12440	[5450, 2609]
2454	[4265, 4266]	5783	[8266, 8267]	9112	[11058, 6414]	12441	[3163, 13122]
2455	[4267, 4268]	5784	[4837, 8268]	9113	[10842, 1994]	12442	[1903, 497]

2456	[4269, 1208]	5785	[3507, 8269]	9114	[7175, 11159]	12443	[5754, 11170]
2457	[4270, 3831]	5786	[8270, 8271]	9115	[6126, 10634]	12444	[2626, 10847]
2458	[4271, 4272]	5787	[8272, 8273]	9116	[11160, 5966]	12445	[7306, 13123]
2459	[4273, 4274]	5788	[8274, 8275]	9117	[10636, 3018]	12446	[10414, 10543]
2460	[1260, 4275]	5789	[8276, 8102]	9118	[7639, 6120]	12447	[7345, 3049]
2461	[4276, 4277]	5790	[8277, 8278]	9119	[10892, 10262]	12448	[2308, 13021]
2462	[4278, 3836]	5791	[8279, 8280]	9120	[11161, 11029]	12449	[10698, 11397]
2463	[4279, 4280]	5792	[8281, 8123]	9121	[11162, 7552]	12450	[11417, 11098]
2464	[1155, 4281]	5793	[8282, 8283]	9122	[11163, 2387]	12451	[2001, 13113]
2465	[1153, 4282]	5794	[1499, 4335]	9123	[11164, 11165]	12452	[3067, 12957]
2466	[4283, 4284]	5795	[8284, 8285]	9124	[6006, 5691]	12453	[11257, 10673]
2467	[4285, 4286]	5796	[8286, 3578]	9125	[11166, 10776]	12454	[10243, 11335]
2468	[4287, 4288]	5797	[3933, 8287]	9126	[6640, 7114]	12455	[7051, 5480]
2469	[4289, 3275]	5798	[8288, 8216]	9127	[7264, 11167]	12456	[6699, 13014]
2470	[4290, 4291]	5799	[8289, 4462]	9128	[7240, 826]	12457	[7141, 7310]
2471	[3747, 4292]	5800	[3530, 8290]	9129	[10855, 2741]	12458	[6677, 13067]
2472	[4293, 4294]	5801	[8291, 8292]	9130	[10545, 11168]	12459	[875, 6997]
2473	[4295, 4296]	5802	[8293, 3675]	9131	[10793, 10196]	12460	[10152, 164]
2474	[4297, 4298]	5803	[8294, 1008]	9132	[5831, 6159]	12461	[6922, 13002]
2475	[4299, 378]	5804	[8295, 1589]	9133	[11169, 685]	12462	[5850, 6984]
2476	[4300, 310]	5805	[8296, 3310]	9134	[195, 6323]	12463	[232, 7208]
2477	[4301, 3358]	5806	[4453, 7745]	9135	[5934, 10920]	12464	[10865, 5637]
2478	[4302, 1770]	5807	[8297, 8298]	9136	[6756, 11170]	12465	[3147, 5436]
2479	[1157, 4303]	5808	[8299, 8300]	9137	[1823, 10983]	12466	[246, 2795]
2480	[3710, 4304]	5809	[8301, 1579]	9138	[11171, 6640]	12467	[5569, 2507]
2481	[4305, 1023]	5810	[8302, 8303]	9139	[5691, 2587]	12468	[11087, 11199]
2482	[4306, 461]	5811	[8304, 5160]	9140	[11172, 10843]	12469	[136, 11435]
2483	[4307, 4308]	5812	[3923, 5169]	9141	[10209, 550]	12470	[11367, 11622]
2484	[4309, 3797]	5813	[8305, 8271]	9142	[11173, 3151]	12471	[11611, 7498]
2485	[4310, 1657]	5814	[8306, 8307]	9143	[2292, 11174]	12472	[5480, 10328]
2486	[4311, 4312]	5815	[8308, 8309]	9144	[2341, 11175]	12473	[7091, 10956]
2487	[4313, 4314]	5816	[8310, 421]	9145	[11176, 6151]	12474	[1810, 5707]
2488	[4315, 4316]	5817	[8311, 8312]	9146	[11177, 7367]	12475	[581, 5907]
2489	[4317, 4318]	5818	[8313, 4420]	9147	[5844, 51]	12476	[11401, 12976]
2490	[4319, 4320]	5819	[8314, 8315]	9148	[11178, 5490]	12477	[10967, 234]
2491	[4321, 4322]	5820	[8316, 8317]	9149	[6942, 11179]	12478	[10443, 524]
2492	[4323, 4324]	5821	[8318, 3472]	9150	[2622, 2816]	12479	[10842, 13124]
2493	[4325, 4326]	5822	[5068, 3244]	9151	[10501, 7322]	12480	[11521, 5962]
2494	[4262, 4327]	5823	[8319, 3764]	9152	[7322, 2604]	12481	[1993, 13124]
2495	[4328, 4329]	5824	[8320, 264]	9153	[10737, 6686]	12482	[2663, 5381]
2496	[4330, 4331]	5825	[1403, 4478]	9154	[11180, 7016]	12483	[6039, 10702]
2497	[4332, 4333]	5826	[8321, 4432]	9155	[6124, 10294]	12484	[7314, 6483]
2498	[4334, 4335]	5827	[8322, 8323]	9156	[11027, 784]	12485	[10644, 13088]
2499	[4336, 1225]	5828	[8324, 8325]	9157	[11181, 11182]	12486	[6207, 6446]

2500	[4337, 4338]	5829	[8326, 8327]	9158	[6331, 10715]	12487	[241, 244]
2501	[3966, 449]	5830	[8328, 4102]	9159	[523, 2692]	12488	[13097, 11449]
2502	[4339, 3916]	5831	[8329, 5225]	9160	[11183, 11184]	12489	[11152, 6052]
2503	[4340, 4341]	5832	[8330, 7868]	9161	[11185, 6182]	12490	[11586, 10380]
2504	[4342, 4343]	5833	[8331, 8332]	9162	[11178, 6998]	12491	[2807, 689]
2505	[1416, 4344]	5834	[8333, 5197]	9163	[11186, 10407]	12492	[10656, 3079]
2506	[4345, 3303]	5835	[4552, 8334]	9164	[10746, 11187]	12493	[13125, 852]
2507	[4346, 3906]	5836	[8335, 8336]	9165	[11188, 10356]	12494	[2665, 6170]
2508	[4089, 4238]	5837	[8337, 8066]	9166	[11189, 3102]	12495	[11692, 13126]
2509	[4347, 407]	5838	[8338, 4144]	9167	[11190, 6618]	12496	[881, 5906]
2510	[4348, 288]	5839	[8339, 284]	9168	[2758, 7067]	12497	[11583, 849]
2511	[4349, 4350]	5840	[8340, 4634]	9169	[11191, 772]	12498	[7115, 2347]
2512	[4351, 4352]	5841	[8341, 8342]	9170	[2327, 217]	12499	[6170, 13127]
2513	[4353, 4354]	5842	[8343, 5084]	9171	[11192, 2128]	12500	[13128, 2294]
2514	[4176, 3319]	5843	[7675, 8344]	9172	[6704, 10998]	12501	[1922, 13092]
2515	[4355, 4356]	5844	[8345, 447]	9173	[11193, 11194]	12502	[7442, 10762]
2516	[4357, 4358]	5845	[8346, 8347]	9174	[11195, 7573]	12503	[7441, 611]
2517	[4359, 4360]	5846	[1344, 8348]	9175	[636, 5991]	12504	[6953, 13129]
2518	[4361, 1440]	5847	[8349, 8350]	9176	[3093, 11196]	12505	[2487, 13070]
2519	[3453, 4362]	5848	[8351, 7917]	9177	[2509, 615]	12506	[10775, 12977]
2520	[4322, 4363]	5849	[8352, 1141]	9178	[11072, 7282]	12507	[7497, 11612]
2521	[4324, 4364]	5850	[8353, 8354]	9179	[5609, 1835]	12508	[5504, 2799]
2522	[4365, 4366]	5851	[8355, 3872]	9180	[11197, 7152]	12509	[11552, 6090]
2523	[4367, 3852]	5852	[8356, 3999]	9181	[3114, 701]	12510	[10355, 11323]
2524	[4368, 4369]	5853	[83, 7800]	9182	[6367, 6840]	12511	[5572, 1876]
2525	[4370, 3649]	5854	[8357, 7801]	9183	[11198, 11199]	12512	[11678, 5906]
2526	[4371, 3572]	5855	[8358, 8359]	9184	[5515, 872]	12513	[13006, 2206]
2527	[4372, 4373]	5856	[7954, 8360]	9185	[11200, 2870]	12514	[838, 5396]
2528	[4374, 4013]	5857	[8361, 8362]	9186	[2031, 1983]	12515	[10877, 11313]
2529	[4375, 4376]	5858	[8363, 7907]	9187	[6495, 818]	12516	[5702, 45]
2530	[4007, 4377]	5859	[8364, 978]	9188	[11201, 678]	12517	[10934, 11365]
2531	[4378, 4281]	5860	[8365, 5235]	9189	[11202, 5487]	12518	[6865, 13130]
2532	[3433, 4379]	5861	[4556, 4372]	9190	[2578, 11203]	12519	[6199, 11650]
2533	[3605, 4380]	5862	[4554, 4412]	9191	[11204, 6976]	12520	[2131, 13131]
2534	[1236, 3339]	5863	[3487, 8366]	9192	[11205, 11206]	12521	[510, 13132]
2535	[1238, 4381]	5864	[8367, 3416]	9193	[2453, 10464]	12522	[10973, 6775]
2536	[4382, 4383]	5865	[412, 8368]	9194	[5758, 2606]	12523	[2575, 13118]
2537	[4384, 4059]	5866	[8369, 3360]	9195	[7431, 11007]	12524	[10950, 6623]
2538	[4385, 4386]	5867	[8370, 8371]	9196	[11207, 11208]	12525	[5410, 10486]
2539	[4387, 4191]	5868	[4872, 3752]	9197	[5648, 10215]	12526	[11101, 6576]
2540	[4388, 4389]	5869	[8372, 8373]	9198	[11209, 11210]	12527	[10461, 7330]
2541	[4390, 3520]	5870	[8374, 8375]	9199	[2771, 803]	12528	[13133, 5565]
2542	[4391, 4392]	5871	[8376, 27]	9200	[2623, 11211]	12529	[3011, 841]
2543	[4393, 4394]	5872	[3217, 8351]	9201	[10295, 880]	12530	[10452, 667]

2544	[4395, 4396]	5873	[261, 1613]	9202	[7058, 11212]	12531	[2055, 6756]
2545	[4397, 1155]	5874	[8377, 8378]	9203	[11213, 10]	12532	[5699, 13134]
2546	[4398, 4399]	5875	[8379, 1277]	9204	[7148, 10675]	12533	[2529, 5624]
2547	[4400, 1156]	5876	[1551, 3739]	9205	[11214, 11215]	12534	[10817, 3102]
2548	[4401, 4402]	5877	[8380, 8273]	9206	[11216, 11217]	12535	[2552, 13135]
2549	[4403, 1439]	5878	[8381, 8382]	9207	[10953, 6119]	12536	[11452, 5571]
2550	[4404, 1748]	5879	[3664, 299]	9208	[2996, 2236]	12537	[10975, 7441]
2551	[4405, 1603]	5880	[1275, 975]	9209	[5388, 11218]	12538	[5509, 5383]
2552	[4406, 4407]	5881	[8383, 3439]	9210	[203, 11219]	12539	[6626, 11191]
2553	[4408, 1568]	5882	[7745, 1435]	9211	[2973, 493]	12540	[5628, 5974]
2554	[3679, 3562]	5883	[8384, 3654]	9212	[6238, 7480]	12541	[7214, 13136]
2555	[4409, 4410]	5884	[1381, 1470]	9213	[11220, 6615]	12542	[10523, 10197]
2556	[4411, 4412]	5885	[8243, 8385]	9214	[2344, 10748]	12543	[10581, 7609]
2557	[4413, 4414]	5886	[8386, 4902]	9215	[5824, 2133]	12544	[2921, 13137]
2558	[4415, 4416]	5887	[8387, 8388]	9216	[11221, 10864]	12545	[6384, 3042]
2559	[4417, 4418]	5888	[8389, 8390]	9217	[2061, 10183]	12546	[5674, 7638]
2560	[4419, 4420]	5889	[1539, 3365]	9218	[2881, 10869]	12547	[11181, 13112]
2561	[4421, 4422]	5890	[8391, 1789]	9219	[11061, 11222]	12548	[10529, 6806]
2562	[4423, 1533]	5891	[8392, 5135]	9220	[11223, 10451]	12549	[13125, 10313]
2563	[4424, 4425]	5892	[8393, 1228]	9221	[2864, 11224]	12550	[13138, 6655]
2564	[4426, 4427]	5893	[1281, 3733]	9222	[2005, 7178]	12551	[11267, 13139]
2565	[4428, 4429]	5894	[8394, 4320]	9223	[11225, 11226]	12552	[2394, 6908]
2566	[4430, 3369]	5895	[8395, 8396]	9224	[10683, 6435]	12553	[13108, 13140]
2567	[4431, 4432]	5896	[8397, 8398]	9225	[10922, 11080]	12554	[11440, 7434]
2568	[4433, 1485]	5897	[1706, 5272]	9226	[11227, 11228]	12555	[5578, 5403]
2569	[4434, 1201]	5898	[8399, 8400]	9227	[2023, 2318]	12556	[2155, 566]
2570	[4435, 4377]	5899	[8224, 4718]	9228	[10742, 5470]	12557	[2493, 13141]
2571	[4436, 4437]	5900	[8401, 8402]	9229	[2233, 6069]	12558	[10719, 7363]
2572	[4438, 4439]	5901	[8403, 3185]	9230	[10505, 10395]	12559	[5339, 11631]
2573	[1399, 4440]	5902	[1264, 5155]	9231	[10858, 6641]	12560	[6639, 2533]
2574	[4441, 1590]	5903	[8280, 124]	9232	[11195, 11229]	12561	[6401, 13142]
2575	[4442, 4443]	5904	[8404, 4473]	9233	[920, 2302]	12562	[11491, 3172]
2576	[1602, 4444]	5905	[280, 956]	9234	[3072, 5478]	12563	[13143, 11330]
2577	[4445, 4446]	5906	[8405, 8406]	9235	[7212, 10700]	12564	[7391, 13136]
2578	[4447, 4448]	5907	[8407, 4742]	9236	[6974, 10365]	12565	[5577, 6139]
2579	[4449, 4286]	5908	[450, 8408]	9237	[5944, 11230]	12566	[11221, 11387]
2580	[4450, 4451]	5909	[8409, 456]	9238	[3148, 2704]	12567	[6162, 11408]
2581	[4452, 4453]	5910	[8410, 8411]	9239	[2042, 3161]	12568	[736, 2445]
2582	[1346, 4454]	5911	[4107, 8412]	9240	[10763, 2738]	12569	[497, 2272]
2583	[4455, 3793]	5912	[8413, 8414]	9241	[11231, 5337]	12570	[7589, 7066]
2584	[436, 4456]	5913	[1634, 8321]	9242	[7564, 6967]	12571	[10269, 534]
2585	[4457, 4458]	5914	[8415, 4739]	9243	[11232, 6767]	12572	[5736, 861]
2586	[4459, 4460]	5915	[8416, 8417]	9244	[6317, 6770]	12573	[11173, 6477]
2587	[4461, 4198]	5916	[7920, 1690]	9245	[11233, 7624]	12574	[1953, 11665]

2588	[4150, 3689]	5917	[307, 5145]	9246	[11234, 2176]	12575	[1868, 6439]
2589	[4462, 3534]	5918	[8418, 8419]	9247	[668, 5892]	12576	[1870, 10745]
2590	[4463, 480]	5919	[8420, 3545]	9248	[10457, 10916]	12577	[7491, 6306]
2591	[3475, 1227]	5920	[8421, 8041]	9249	[3102, 7415]	12578	[6996, 876]
2592	[4464, 4465]	5921	[8422, 4508]	9250	[11235, 7441]	12579	[12938, 7406]
2593	[4466, 4467]	5922	[4096, 8423]	9251	[6409, 5425]	12580	[10471, 2119]
2594	[4468, 1138]	5923	[8424, 257]	9252	[10870, 10746]	12581	[6512, 5666]
2595	[4469, 4470]	5924	[7651, 8425]	9253	[5676, 2809]	12582	[7488, 6481]
2596	[1242, 3369]	5925	[8426, 8061]	9254	[10516, 11236]	12583	[6947, 13144]
2597	[4471, 3991]	5926	[8427, 8428]	9255	[11237, 2559]	12584	[6917, 13145]
2598	[4472, 3352]	5927	[8429, 3952]	9256	[2571, 6872]	12585	[6378, 928]
2599	[4121, 4473]	5928	[8430, 4070]	9257	[6302, 2803]	12586	[10450, 6400]
2600	[4474, 4311]	5929	[8431, 359]	9258	[11238, 1855]	12587	[10765, 7438]
2601	[1294, 4475]	5930	[8432, 5244]	9259	[7499, 11239]	12588	[11007, 5894]
2602	[4476, 4477]	5931	[8433, 1258]	9260	[3086, 5506]	12589	[11241, 6590]
2603	[4478, 4479]	5932	[8434, 8435]	9261	[10514, 11240]	12590	[5685, 1960]
2604	[4480, 4481]	5933	[8436, 1113]	9262	[11241, 11242]	12591	[6920, 10610]
2605	[4482, 3573]	5934	[8437, 8438]	9263	[5700, 11243]	12592	[2474, 10485]
2606	[4483, 4484]	5935	[3512, 8439]	9264	[11244, 2369]	12593	[12944, 3163]
2607	[4485, 1552]	5936	[5279, 8440]	9265	[6671, 5791]	12594	[7171, 5771]
2608	[113, 4486]	5937	[8441, 3383]	9266	[2060, 1896]	12595	[7363, 13008]
2609	[4487, 4488]	5938	[3736, 1272]	9267	[6793, 7007]	12596	[11244, 5679]
2610	[4489, 4490]	5939	[8442, 8443]	9268	[7059, 11245]	12597	[1912, 11054]
2611	[4491, 4492]	5940	[8444, 8445]	9269	[11246, 697]	12598	[11057, 13062]
2612	[4493, 4494]	5941	[8446, 4633]	9270	[11247, 6747]	12599	[11680, 10896]
2613	[4495, 4208]	5942	[8447, 8448]	9271	[11248, 7421]	12600	[13133, 13146]
2614	[4496, 4497]	5943	[8449, 8450]	9272	[11147, 6092]	12601	[2792, 13145]
2615	[320, 1503]	5944	[8451, 4319]	9273	[11249, 5859]	12602	[2605, 6837]
2616	[4498, 4499]	5945	[8452, 8453]	9274	[6854, 5722]	12603	[11145, 892]
2617	[4500, 3646]	5946	[8454, 3358]	9275	[11216, 11132]	12604	[10336, 11224]
2618	[3612, 4501]	5947	[8455, 8456]	9276	[5394, 10840]	12605	[11355, 2033]
2619	[4502, 4503]	5948	[1370, 8457]	9277	[11250, 11251]	12606	[13077, 2662]
2620	[4504, 3950]	5949	[8458, 280]	9278	[7109, 11252]	12607	[5894, 6442]
2621	[4061, 1452]	5950	[336, 8046]	9279	[10463, 7354]	12608	[11656, 10337]
2622	[4505, 4506]	5951	[8459, 3843]	9280	[2917, 11253]	12609	[6644, 13044]
2623	[4507, 4508]	5952	[3893, 1505]	9281	[7605, 743]	12610	[11225, 10315]
2624	[4509, 4510]	5953	[8460, 4603]	9282	[10891, 665]	12611	[10406, 13147]
2625	[4511, 3546]	5954	[5253, 3320]	9283	[2437, 11254]	12612	[6973, 5819]
2626	[4512, 1398]	5955	[8461, 4963]	9284	[6142, 7228]	12613	[11356, 12999]
2627	[4513, 4514]	5956	[3197, 4108]	9285	[11149, 10409]	12614	[611, 180]
2628	[4515, 4516]	5957	[8462, 8463]	9286	[10889, 6724]	12615	[5750, 7637]
2629	[1623, 3691]	5958	[8464, 8292]	9287	[7125, 2474]	12616	[13051, 2581]
2630	[4517, 4518]	5959	[1064, 8465]	9288	[10299, 807]	12617	[10393, 7092]
2631	[4519, 4520]	5960	[8466, 4173]	9289	[10812, 5719]	12618	[11300, 899]

2632	[4521, 4522]	5961	[8467, 1142]	9290	[7364, 6315]	12619	[6678, 6804]
2633	[4523, 1156]	5962	[5180, 8468]	9291	[10982, 1824]	12620	[197, 689]
2634	[4524, 4525]	5963	[8469, 3655]	9292	[5522, 5356]	12621	[147, 5351]
2635	[4526, 4527]	5964	[8470, 7652]	9293	[11255, 2867]	12622	[2478, 2784]
2636	[4528, 4529]	5965	[8471, 3864]	9294	[10365, 11256]	12623	[13076, 11191]
2637	[4530, 4040]	5966	[3572, 5297]	9295	[10771, 6731]	12624	[11047, 6274]
2638	[4531, 4532]	5967	[8472, 4761]	9296	[10788, 2706]	12625	[10662, 3133]
2639	[4533, 4534]	5968	[8473, 4077]	9297	[11257, 11258]	12626	[2969, 13148]
2640	[4535, 4536]	5969	[8474, 8475]	9298	[2077, 6368]	12627	[11514, 13149]
2641	[4537, 4538]	5970	[8476, 1440]	9299	[6432, 7044]	12628	[2414, 6784]
2642	[4539, 4540]	5971	[8477, 8478]	9300	[771, 11259]	12629	[11529, 759]
2643	[4541, 4542]	5972	[3259, 4759]	9301	[6192, 11187]	12630	[7407, 11590]
2644	[4543, 4544]	5973	[8479, 4142]	9302	[2213, 2423]	12631	[11001, 5355]
2645	[4545, 3182]	5974	[8480, 8232]	9303	[11260, 5646]	12632	[2274, 1964]
2646	[4546, 3334]	5975	[8076, 3485]	9304	[7610, 11261]	12633	[11412, 6994]
2647	[4547, 4548]	5976	[8481, 8482]	9305	[1978, 11262]	12634	[5691, 7145]
2648	[4549, 1012]	5977	[8483, 8339]	9306	[139, 10911]	12635	[3107, 204]
2649	[4550, 3312]	5978	[8484, 8485]	9307	[11263, 5682]	12636	[787, 5793]
2650	[4551, 4552]	5979	[8486, 8487]	9308	[2557, 11264]	12637	[570, 882]
2651	[4553, 4554]	5980	[3592, 3676]	9309	[11265, 10184]	12638	[5537, 718]
2652	[4555, 4556]	5981	[8488, 4937]	9310	[6717, 1818]	12639	[11037, 13105]
2653	[4557, 113]	5982	[8489, 5221]	9311	[11266, 11149]	12640	[10705, 2637]
2654	[4558, 4559]	5983	[8490, 8073]	9312	[11191, 6531]	12641	[13138, 10206]
2655	[4560, 356]	5984	[8491, 4480]	9313	[11267, 5662]	12642	[11527, 2541]
2656	[4561, 4562]	5985	[8492, 8493]	9314	[10555, 11268]	12643	[5824, 10658]
2657	[4563, 4564]	5986	[8494, 268]	9315	[2086, 11269]	12644	[10483, 6125]
2658	[4540, 4565]	5987	[4099, 5035]	9316	[2852, 11004]	12645	[5570, 13060]
2659	[4566, 4567]	5988	[8495, 5222]	9317	[11270, 5439]	12646	[933, 7268]
2660	[4568, 4569]	5989	[8496, 1742]	9318	[11271, 10885]	12647	[10798, 5848]
2661	[4570, 4571]	5990	[8497, 8498]	9319	[2593, 2441]	12648	[6113, 10388]
2662	[4572, 4573]	5991	[8499, 3989]	9320	[7200, 10270]	12649	[12941, 2599]
2663	[4574, 4575]	5992	[5184, 7809]	9321	[865, 11272]	12650	[2307, 13150]
2664	[4576, 4326]	5993	[4389, 1136]	9322	[43, 510]	12651	[6851, 11636]
2665	[4577, 1086]	5994	[1718, 8500]	9323	[11273, 3029]	12652	[11141, 896]
2666	[4578, 362]	5995	[8035, 3531]	9324	[2146, 6778]	12653	[2161, 2126]
2667	[4579, 4580]	5996	[8501, 8502]	9325	[11274, 2158]	12654	[6681, 6695]
2668	[4581, 1035]	5997	[1708, 8052]	9326	[6662, 11275]	12655	[10949, 2390]
2669	[4582, 4583]	5998	[8503, 1478]	9327	[10589, 2524]	12656	[163, 6880]
2670	[4584, 4585]	5999	[8504, 8505]	9328	[2489, 10707]	12657	[7378, 6414]
2671	[4586, 4587]	6000	[8506, 1397]	9329	[10623, 11276]	12658	[6919, 11646]
2672	[4588, 4589]	6001	[7688, 1661]	9330	[11277, 10624]	12659	[2113, 11489]
2673	[4590, 4479]	6002	[8507, 7856]	9331	[11084, 6565]	12660	[11238, 5685]
2674	[4591, 4592]	6003	[8508, 968]	9332	[10552, 1997]	12661	[11036, 11621]
2675	[4593, 4400]	6004	[8509, 7807]	9333	[2974, 11278]	12662	[11513, 11162]

2676	[3435, 4594]	6005	[8510, 4693]	9334	[6180, 10379]	12663	[5393, 11670]
2677	[963, 4595]	6006	[8511, 8512]	9335	[10574, 6998]	12664	[12973, 11390]
2678	[4596, 4597]	6007	[8513, 3265]	9336	[2999, 11279]	12665	[11621, 3092]
2679	[4598, 4599]	6008	[8514, 3784]	9337	[11280, 11281]	12666	[11512, 11671]
2680	[4600, 4601]	6009	[8515, 8516]	9338	[10590, 11282]	12667	[2102, 11551]
2681	[4602, 4603]	6010	[8517, 8518]	9339	[11044, 7063]	12668	[10223, 2196]
2682	[1519, 4434]	6011	[4377, 8519]	9340	[2560, 5309]	12669	[7019, 13110]
2683	[4604, 4605]	6012	[8520, 8521]	9341	[11203, 10846]	12670	[6070, 10557]
2684	[4606, 4607]	6013	[3281, 3345]	9342	[10896, 722]	12671	[13042, 10845]
2685	[4608, 1384]	6014	[8522, 394]	9343	[10218, 7219]	12672	[13104, 11345]
2686	[4609, 4610]	6015	[8050, 7871]	9344	[11283, 11284]	12673	[6568, 2306]
2687	[4611, 4612]	6016	[8523, 8524]	9345	[11283, 11285]	12674	[3087, 13047]
2688	[4613, 4614]	6017	[8525, 4319]	9346	[7632, 5884]	12675	[11567, 11322]
2689	[4615, 1085]	6018	[8526, 3260]	9347	[11286, 10570]	12676	[13096, 2858]
2690	[4616, 4617]	6019	[8527, 4465]	9348	[6569, 2307]	12677	[6721, 6170]
2691	[4618, 4619]	6020	[8528, 7950]	9349	[6232, 11287]	12678	[3068, 13151]
2692	[4620, 4621]	6021	[8529, 8530]	9350	[191, 7620]	12679	[2835, 547]
2693	[1010, 4622]	6022	[1784, 8531]	9351	[2779, 6904]	12680	[11390, 11366]
2694	[3681, 4623]	6023	[4953, 8532]	9352	[5479, 11288]	12681	[11622, 3093]
2695	[3882, 4624]	6024	[3584, 4879]	9353	[6592, 5346]	12682	[3159, 10929]
2696	[4625, 1607]	6025	[4327, 8533]	9354	[11030, 11289]	12683	[186, 6274]
2697	[4626, 4627]	6026	[8534, 8535]	9355	[11290, 11291]	12684	[10999, 2822]
2698	[4628, 4629]	6027	[8536, 4539]	9356	[6373, 10605]	12685	[5792, 1860]
2699	[4630, 4631]	6028	[8537, 1585]	9357	[11292, 1875]	12686	[5358, 11288]
2700	[4632, 4527]	6029	[8538, 1535]	9358	[2361, 5955]	12687	[10708, 6413]
2701	[4633, 3309]	6030	[8539, 8540]	9359	[11039, 11293]	12688	[7123, 13152]
2702	[4634, 3681]	6031	[8541, 8240]	9360	[6718, 1819]	12689	[7025, 13063]
2703	[4635, 4636]	6032	[1688, 1606]	9361	[6341, 147]	12690	[10939, 2606]
2704	[4637, 4638]	6033	[8542, 8543]	9362	[11294, 11295]	12691	[10726, 10952]
2705	[4639, 4640]	6034	[8544, 8545]	9363	[11296, 11297]	12692	[6606, 13153]
2706	[4641, 4642]	6035	[8546, 8547]	9364	[2670, 11298]	12693	[13109, 12989]
2707	[4643, 4644]	6036	[8548, 1604]	9365	[11299, 11251]	12694	[13154, 6674]
2708	[4645, 4646]	6037	[4494, 4561]	9366	[11300, 5497]	12695	[11576, 7161]
2709	[4412, 4019]	6038	[8549, 117]	9367	[5501, 2754]	12696	[5777, 13155]
2710	[4647, 4648]	6039	[4764, 5040]	9368	[7569, 11301]	12697	[10981, 838]
2711	[4649, 26]	6040	[8550, 8551]	9369	[7550, 11302]	12698	[11410, 673]
2712	[3774, 4650]	6041	[3363, 8552]	9370	[626, 11303]	12699	[11698, 3010]
2713	[4651, 3424]	6042	[3904, 8553]	9371	[3066, 11304]	12700	[2351, 212]
2714	[4135, 1756]	6043	[4160, 8554]	9372	[11305, 787]	12701	[11509, 6793]
2715	[4652, 4653]	6044	[8555, 8556]	9373	[11306, 11307]	12702	[11144, 11560]
2716	[4654, 3500]	6045	[8557, 8558]	9374	[10246, 11302]	12703	[196, 2807]
2717	[4655, 4656]	6046	[8559, 4105]	9375	[11308, 10841]	12704	[3093, 11306]
2718	[4657, 4623]	6047	[4713, 8560]	9376	[11309, 10244]	12705	[11513, 10725]
2719	[4658, 4659]	6048	[8561, 1361]	9377	[11060, 7505]	12706	[6496, 13107]

2720	[4660, 4478]	6049	[8562, 4910]	9378	[10703, 11310]	12707	[10242, 6304]
2721	[4661, 4662]	6050	[8563, 8564]	9379	[2294, 5529]	12708	[3122, 11660]
2722	[1050, 4663]	6051	[8565, 1591]	9380	[3036, 11311]	12709	[13156, 5854]
2723	[4664, 4665]	6052	[1045, 8566]	9381	[5723, 5831]	12710	[2728, 2130]
2724	[4666, 4667]	6053	[8567, 7970]	9382	[695, 11304]	12711	[7574, 7504]
2725	[4668, 4669]	6054	[8568, 486]	9383	[11312, 6231]	12712	[2176, 7330]
2726	[4670, 4671]	6055	[1090, 8569]	9384	[563, 11313]	12713	[2531, 2675]
2727	[4672, 1346]	6056	[3390, 7661]	9385	[5642, 10814]	12714	[7540, 5649]
2728	[4673, 4674]	6057	[8570, 3531]	9386	[11314, 6733]	12715	[11570, 2266]
2729	[3248, 4675]	6058	[8571, 8572]	9387	[6270, 11303]	12716	[7554, 5953]
2730	[4676, 960]	6059	[8573, 4847]	9388	[3034, 6452]	12717	[12974, 11411]
2731	[4677, 4678]	6060	[8574, 7838]	9389	[1828, 5558]	12718	[11693, 7372]
2732	[4679, 1105]	6061	[8575, 8576]	9390	[11315, 6373]	12719	[11498, 6986]
2733	[4680, 4681]	6062	[8577, 8578]	9391	[11316, 11317]	12720	[5856, 11248]
2734	[4682, 367]	6063	[8579, 1455]	9392	[5653, 2638]	12721	[2208, 10488]
2735	[1290, 4079]	6064	[1360, 8580]	9393	[11318, 6720]	12722	[148, 13157]
2736	[4683, 4684]	6065	[8581, 3601]	9394	[11319, 11320]	12723	[11502, 1886]
2737	[4685, 1772]	6066	[7773, 8582]	9395	[5687, 11321]	12724	[2216, 2721]
2738	[4686, 4687]	6067	[8505, 5082]	9396	[10303, 2073]	12725	[2253, 1816]
2739	[4688, 1127]	6068	[8583, 8584]	9397	[10734, 11322]	12726	[6775, 11272]
2740	[4689, 4690]	6069	[8585, 4413]	9398	[5813, 3081]	12727	[2446, 13155]
2741	[4691, 1200]	6070	[8586, 77]	9399	[10860, 5866]	12728	[3025, 11477]
2742	[4692, 4693]	6071	[8587, 8588]	9400	[11188, 11323]	12729	[7381, 12958]
2743	[1202, 4694]	6072	[8589, 8590]	9401	[6655, 6098]	12730	[5412, 12997]
2744	[4695, 4295]	6073	[7950, 1783]	9402	[6763, 11324]	12731	[11657, 5704]
2745	[4696, 4301]	6074	[8591, 3909]	9403	[1821, 10228]	12732	[11639, 11289]
2746	[4697, 4698]	6075	[4638, 3476]	9404	[11325, 10796]	12733	[10171, 6289]
2747	[4699, 4700]	6076	[8592, 1453]	9405	[11326, 2176]	12734	[6771, 11208]
2748	[4701, 4702]	6077	[8593, 8554]	9406	[555, 2930]	12735	[11274, 609]
2749	[4703, 4704]	6078	[8594, 8580]	9407	[10201, 1962]	12736	[12, 7062]
2750	[4705, 4415]	6079	[4154, 5042]	9408	[2442, 2386]	12737	[11492, 3134]
2751	[4706, 4707]	6080	[8595, 8596]	9409	[10907, 11327]	12738	[6495, 649]
2752	[4708, 4709]	6081	[430, 8597]	9410	[5846, 6665]	12739	[11444, 5558]
2753	[4710, 4384]	6082	[8598, 8599]	9411	[2449, 11328]	12740	[1980, 863]
2754	[4251, 4711]	6083	[8600, 1307]	9412	[1924, 860]	12741	[2613, 13158]
2755	[4712, 4713]	6084	[8601, 7664]	9413	[7137, 2482]	12742	[11336, 11291]
2756	[4714, 1098]	6085	[8602, 1111]	9414	[10815, 11329]	12743	[11359, 13159]
2757	[4715, 4716]	6086	[8603, 1113]	9415	[10390, 11115]	12744	[3116, 10805]
2758	[4717, 1246]	6087	[1480, 3981]	9416	[7643, 5989]	12745	[10778, 921]
2759	[4718, 4719]	6088	[3326, 3214]	9417	[11330, 11331]	12746	[11129, 6847]
2760	[4720, 4564]	6089	[4937, 8604]	9418	[2329, 11332]	12747	[13128, 5528]
2761	[4721, 3708]	6090	[300, 318]	9419	[11333, 2199]	12748	[5778, 652]
2762	[452, 4722]	6091	[5106, 3744]	9420	[10396, 11334]	12749	[6498, 13121]
2763	[4723, 4045]	6092	[8605, 8606]	9421	[7337, 11335]	12750	[1938, 11364]

2764	[4724, 4725]	6093	[8307, 4553]	9422	[11336, 11337]	12751	[2805, 13095]
2765	[4726, 4674]	6094	[8607, 3653]	9423	[11338, 618]	12752	[2620, 11240]
2766	[4727, 3942]	6095	[5196, 8608]	9424	[6266, 5843]	12753	[7088, 1910]
2767	[4728, 4729]	6096	[8609, 8610]	9425	[11339, 11340]	12754	[7450, 10656]
2768	[4730, 416]	6097	[1076, 8611]	9426	[5896, 11341]	12755	[5321, 11573]
2769	[4731, 4732]	6098	[8612, 1458]	9427	[712, 2568]	12756	[7418, 10583]
2770	[4733, 1106]	6099	[5215, 5108]	9428	[11342, 2030]	12757	[5867, 13099]
2771	[4734, 1527]	6100	[1716, 8613]	9429	[6913, 7097]	12758	[6612, 7563]
2772	[4735, 4736]	6101	[4211, 8542]	9430	[2727, 2129]	12759	[6001, 11553]
2773	[4737, 4738]	6102	[8614, 8615]	9431	[5639, 11248]	12760	[2748, 7261]
2774	[4739, 4740]	6103	[8616, 4015]	9432	[7597, 10969]	12761	[10265, 7164]
2775	[4741, 4742]	6104	[8532, 8617]	9433	[2712, 11343]	12762	[11116, 2778]
2776	[4743, 4471]	6105	[8618, 1157]	9434	[11344, 11345]	12763	[13111, 11182]
2777	[4744, 4745]	6106	[8619, 7849]	9435	[2172, 6401]	12764	[2656, 11203]
2778	[4746, 304]	6107	[7709, 8620]	9436	[10831, 2377]	12765	[2579, 6426]
2779	[4747, 3302]	6108	[5082, 4641]	9437	[200, 6751]	12766	[681, 5520]
2780	[4748, 4749]	6109	[4822, 4400]	9438	[10740, 7626]	12767	[1887, 2287]
2781	[4422, 4750]	6110	[8621, 8622]	9439	[11346, 7170]	12768	[5632, 11582]
2782	[4751, 3618]	6111	[8623, 8624]	9440	[2453, 11347]	12769	[10386, 7279]
2783	[4752, 1022]	6112	[8625, 352]	9441	[1940, 5801]	12770	[6125, 5683]
2784	[4753, 4754]	6113	[1771, 8626]	9442	[5502, 11348]	12771	[10823, 6578]
2785	[4755, 4288]	6114	[8627, 8628]	9443	[11349, 11350]	12772	[11677, 1972]
2786	[4756, 4315]	6115	[8629, 8630]	9444	[10822, 2924]	12773	[5704, 7347]
2787	[4757, 1578]	6116	[8631, 8632]	9445	[11351, 2183]	12774	[7243, 10926]
2788	[4758, 4759]	6117	[8633, 8013]	9446	[11352, 6070]	12775	[173, 653]
2789	[4760, 4761]	6118	[8634, 8635]	9447	[6797, 11353]	12776	[2447, 5400]
2790	[4762, 449]	6119	[8636, 4653]	9448	[11354, 10267]	12777	[6024, 6459]
2791	[4763, 4764]	6120	[448, 5096]	9449	[5820, 10366]	12778	[2041, 589]
2792	[4765, 4766]	6121	[8637, 3923]	9450	[11355, 5483]	12779	[6205, 11361]
2793	[4767, 4179]	6122	[8638, 3862]	9451	[6794, 10946]	12780	[5956, 5816]
2794	[4768, 3218]	6123	[8639, 1725]	9452	[7645, 10239]	12781	[7623, 2818]
2795	[4769, 4770]	6124	[8640, 8641]	9453	[11356, 11357]	12782	[7585, 13159]
2796	[4771, 3854]	6125	[8642, 8643]	9454	[11358, 6487]	12783	[6500, 2754]
2797	[3796, 4772]	6126	[8644, 8645]	9455	[11359, 7586]	12784	[6148, 2468]
2798	[4773, 4329]	6127	[8646, 4783]	9456	[10313, 5433]	12785	[11625, 12992]
2799	[4774, 3516]	6128	[8647, 4675]	9457	[2828, 7405]	12786	[6555, 6173]
2800	[4775, 4776]	6129	[8648, 1577]	9458	[597, 794]	12787	[6215, 13150]
2801	[4777, 4778]	6130	[8649, 8346]	9459	[11232, 2613]	12788	[13160, 12231]
2802	[4779, 4571]	6131	[8650, 4307]	9460	[10957, 7298]	12789	[6447, 2077]
2803	[4780, 4781]	6132	[7987, 8651]	9461	[5362, 11360]	12790	[12974, 11512]
2804	[4782, 4783]	6133	[8652, 8653]	9462	[546, 575]	12791	[13161, 7551]
2805	[4784, 4785]	6134	[8654, 3879]	9463	[10963, 6812]	12792	[6072, 6150]
2806	[4786, 1427]	6135	[8655, 8656]	9464	[7028, 11361]	12793	[10692, 13071]
2807	[4787, 418]	6136	[8657, 7857]	9465	[10321, 11362]	12794	[11305, 5471]

2808	[388, 261]	6137	[4139, 8658]	9466	[849, 6969]	12795	[2736, 11332]
2809	[4788, 4789]	6138	[1567, 4770]	9467	[10763, 11363]	12796	[3153, 6858]
2810	[4790, 4791]	6139	[8659, 4654]	9468	[895, 2342]	12797	[1988, 6897]
2811	[93, 4792]	6140	[8660, 3763]	9469	[10531, 11364]	12798	[7394, 12990]
2812	[4659, 4793]	6141	[8661, 490]	9470	[10898, 11365]	12799	[517, 13012]
2813	[4794, 4795]	6142	[8628, 8426]	9471	[10274, 5525]	12800	[10158, 3021]
2814	[4796, 4797]	6143	[8662, 4766]	9472	[7080, 10853]	12801	[11122, 2876]
2815	[3405, 415]	6144	[8663, 8545]	9473	[6932, 10246]	12802	[5494, 2502]
2816	[4040, 3883]	6145	[7781, 3620]	9474	[6287, 10422]	12803	[13161, 6827]
2817	[4798, 4799]	6146	[3537, 8664]	9475	[11366, 10240]	12804	[714, 11023]
2818	[4800, 4717]	6147	[8665, 1181]	9476	[11331, 10241]	12805	[11110, 6843]
2819	[4801, 4802]	6148	[3662, 8666]	9477	[11334, 11367]	12806	[2886, 5362]
2820	[4671, 4803]	6149	[8667, 8668]	9478	[11368, 11036]	12807	[7613, 6008]
2821	[4804, 4805]	6150	[8669, 5181]	9479	[10577, 11369]	12808	[2988, 13102]
2822	[4806, 4807]	6151	[8670, 4141]	9480	[6197, 2578]	12809	[7456, 7508]
2823	[4808, 3996]	6152	[8671, 4823]	9481	[195, 11370]	12810	[6274, 13068]
2824	[4809, 4810]	6153	[8672, 8673]	9482	[11371, 877]	12811	[140, 5425]
2825	[4811, 4812]	6154	[8674, 3498]	9483	[11372, 11373]	12812	[7459, 3122]
2826	[4813, 4814]	6155	[8675, 8676]	9484	[11374, 6480]	12813	[11090, 7253]
2827	[4815, 4816]	6156	[3988, 8677]	9485	[11375, 11285]	12814	[6987, 10534]
2828	[4817, 3591]	6157	[8678, 3213]	9486	[11376, 11357]	12815	[2051, 6897]
2829	[4818, 4495]	6158	[8679, 8680]	9487	[11035, 11377]	12816	[2610, 13046]
2830	[4819, 4820]	6159	[8198, 5270]	9488	[11032, 11378]	12817	[7463, 7121]
2831	[4821, 4822]	6160	[8681, 3988]	9489	[5621, 2214]	12818	[11559, 11683]
2832	[4823, 4824]	6161	[8682, 7696]	9490	[5992, 5423]	12819	[6208, 7527]
2833	[4825, 4826]	6162	[8683, 8250]	9491	[11379, 11380]	12820	[7596, 884]
2834	[4827, 3584]	6163	[8684, 8685]	9492	[6951, 700]	12821	[5610, 10173]
2835	[4828, 1057]	6164	[8686, 8687]	9493	[11381, 1852]	12822	[11335, 6876]
2836	[4829, 3509]	6165	[8688, 8689]	9494	[2485, 11382]	12823	[5794, 13157]
2837	[4797, 4830]	6166	[8690, 1197]	9495	[892, 11383]	12824	[2527, 13090]
2838	[4831, 1471]	6167	[8691, 8432]	9496	[2902, 7231]	12825	[5860, 11247]
2839	[4832, 4833]	6168	[8692, 8693]	9497	[5499, 11384]	12826	[11371, 6585]
2840	[4525, 4834]	6169	[8694, 1385]	9498	[10342, 3089]	12827	[5495, 13055]
2841	[4835, 4532]	6170	[8695, 3607]	9499	[6565, 11385]	12828	[5810, 10401]
2842	[4836, 4837]	6171	[8696, 5200]	9500	[7090, 5551]	12829	[5589, 2512]
2843	[4690, 4838]	6172	[7925, 8697]	9501	[11386, 1887]	12830	[10820, 13137]
2844	[4839, 3603]	6173	[8698, 4099]	9502	[886, 2753]	12831	[11093, 13126]
2845	[4840, 4630]	6174	[8699, 8700]	9503	[10863, 11387]	12832	[747, 11160]
2846	[4841, 1466]	6175	[4605, 1123]	9504	[6506, 5821]	12833	[12952, 7430]
2847	[4842, 3224]	6176	[8146, 3245]	9505	[2754, 11348]	12834	[1893, 10695]
2848	[4646, 4843]	6177	[7668, 8701]	9506	[11002, 6207]	12835	[10213, 131]
2849	[4844, 3196]	6178	[8702, 3635]	9507	[7621, 744]	12836	[2867, 7316]
2850	[4845, 4846]	6179	[1597, 8081]	9508	[11266, 685]	12837	[2666, 13127]
2851	[4847, 4848]	6180	[8703, 7741]	9509	[6358, 7178]	12838	[11459, 6354]

2852	[4849, 4850]	6181	[8704, 8705]	9510	[11205, 10468]	12839	[2433, 13129]
2853	[4851, 4696]	6182	[8706, 285]	9511	[5384, 11388]	12840	[13013, 6700]
2854	[4852, 3769]	6183	[8707, 8708]	9512	[2556, 2708]	12841	[815, 5313]
2855	[4853, 4854]	6184	[8709, 3978]	9513	[3062, 6915]	12842	[7146, 6438]
2856	[4855, 3178]	6185	[8710, 8711]	9514	[5474, 11389]	12843	[2192, 6782]
2857	[4856, 4857]	6186	[7873, 8712]	9515	[5327, 6738]	12844	[2909, 10287]
2858	[4569, 76]	6187	[8713, 1031]	9516	[11390, 11330]	12845	[13073, 6600]
2859	[4858, 4859]	6188	[8714, 8715]	9517	[2193, 6081]	12846	[44, 13132]
2860	[4860, 1027]	6189	[1769, 4072]	9518	[7409, 1893]	12847	[6484, 13162]
2861	[458, 1231]	6190	[8716, 8717]	9519	[11391, 2057]	12848	[11083, 6959]
2862	[4861, 1336]	6191	[8718, 8632]	9520	[10660, 6273]	12849	[2360, 2115]
2863	[3239, 4862]	6192	[8719, 8572]	9521	[11392, 6852]	12850	[13156, 127]
2864	[4863, 4864]	6193	[8720, 1658]	9522	[11127, 10264]	12851	[2563, 5443]
2865	[4865, 4866]	6194	[8721, 8722]	9523	[7251, 11393]	12852	[6767, 13158]
2866	[4867, 4868]	6195	[8723, 4000]	9524	[11394, 780]	12853	[7332, 10702]
2867	[4869, 4870]	6196	[8724, 8725]	9525	[11395, 3177]	12854	[2091, 6702]
2868	[4871, 4872]	6197	[8516, 4563]	9526	[11391, 11396]	12855	[11112, 11470]
2869	[4873, 4874]	6198	[8726, 7958]	9527	[942, 11397]	12856	[3130, 5671]
2870	[4875, 4876]	6199	[4083, 8727]	9528	[757, 7271]	12857	[11177, 11497]
2871	[4877, 4878]	6200	[8728, 8729]	9529	[11398, 11281]	12858	[6796, 2030]
2872	[4879, 3195]	6201	[8730, 8731]	9530	[7112, 11399]	12859	[3167, 5618]
2873	[4073, 4880]	6202	[8732, 8717]	9531	[167, 10277]	12860	[6912, 5807]
2874	[4881, 340]	6203	[3729, 1722]	9532	[11193, 11400]	12861	[10307, 13163]
2875	[4882, 4883]	6204	[8733, 8734]	9533	[2693, 5338]	12862	[11045, 6608]
2876	[4884, 4885]	6205	[8735, 8736]	9534	[5529, 6150]	12863	[10664, 11041]
2877	[4886, 4510]	6206	[8737, 8738]	9535	[11401, 6277]	12864	[2649, 6438]
2878	[4887, 1220]	6207	[8739, 4921]	9536	[6481, 5596]	12865	[2818, 7525]
2879	[4888, 4889]	6208	[1125, 5185]	9537	[223, 7396]	12866	[11603, 5536]
2880	[4890, 3536]	6209	[8740, 4296]	9538	[10631, 2951]	12867	[13033, 2589]
2881	[4891, 4892]	6210	[8741, 3966]	9539	[5484, 6241]	12868	[10582, 7419]
2882	[4893, 4394]	6211	[5171, 4828]	9540	[5903, 10646]	12869	[11299, 12983]
2883	[4894, 4895]	6212	[8742, 8743]	9541	[1800, 11402]	12870	[5436, 2704]
2884	[4896, 1262]	6213	[4885, 7772]	9542	[11403, 11404]	12871	[6262, 6178]
2885	[4897, 4898]	6214	[8263, 8744]	9543	[11405, 11406]	12872	[6701, 7568]
2886	[4899, 4900]	6215	[8745, 8746]	9544	[11123, 746]	12873	[10240, 6931]
2887	[4901, 4902]	6216	[3667, 5091]	9545	[6227, 10201]	12874	[11642, 7196]
2888	[4903, 4278]	6217	[8747, 8748]	9546	[5624, 10383]	12875	[2774, 10936]
2889	[4904, 4905]	6218	[8388, 7860]	9547	[7437, 10766]	12876	[11485, 11550]
2890	[4906, 3751]	6219	[8749, 4239]	9548	[11070, 5903]	12877	[10241, 6932]
2891	[4907, 4908]	6220	[8412, 1417]	9549	[11407, 11408]	12878	[7389, 5340]
2892	[4909, 3467]	6221	[8750, 1461]	9550	[11108, 7386]	12879	[6745, 11168]
2893	[4910, 4911]	6222	[8560, 8751]	9551	[11196, 10910]	12880	[2990, 13164]
2894	[4912, 3893]	6223	[8752, 3280]	9552	[11147, 11409]	12881	[7167, 12960]
2895	[4913, 272]	6224	[4222, 8753]	9553	[6397, 5792]	12882	[3099, 13026]

2896	[1761, 4914]	6225	[8754, 4919]	9554	[3058, 11252]	12883	[13101, 5922]
2897	[4915, 4916]	6226	[8755, 3474]	9555	[11410, 7584]	12884	[10814, 13038]
2898	[4917, 491]	6227	[8756, 3476]	9556	[6828, 11411]	12885	[11700, 6592]
2899	[4918, 4919]	6228	[7948, 331]	9557	[10607, 2867]	12886	[5416, 13066]
2900	[4920, 4921]	6229	[4567, 7706]	9558	[10541, 6214]	12887	[5971, 824]
2901	[4922, 4923]	6230	[1092, 1267]	9559	[11412, 7375]	12888	[10546, 7225]
2902	[4924, 3729]	6231	[8757, 1642]	9560	[11413, 929]	12889	[10779, 11158]
2903	[4925, 1366]	6232	[8758, 8759]	9561	[731, 11414]	12890	[6156, 13050]
2904	[4926, 4927]	6233	[4236, 1164]	9562	[3145, 11415]	12891	[3082, 7287]
2905	[4928, 299]	6234	[7719, 8289]	9563	[534, 737]	12892	[13031, 7544]
2906	[4929, 3254]	6235	[8760, 3378]	9564	[11416, 10462]	12893	[5649, 1946]
2907	[4930, 4931]	6236	[7979, 8761]	9565	[11417, 11418]	12894	[12962, 676]
2908	[4932, 1656]	6237	[8762, 66]	9566	[11419, 7611]	12895	[1908, 6316]
2909	[3568, 4933]	6238	[8763, 4966]	9567	[11420, 7289]	12896	[6586, 50]
2910	[4934, 1542]	6239	[7952, 1150]	9568	[11421, 7467]	12897	[13154, 6349]
2911	[4935, 1531]	6240	[8764, 8765]	9569	[11422, 11423]	12898	[10994, 6083]
2912	[4936, 4937]	6241	[8766, 334]	9570	[10517, 11424]	12899	[6099, 615]
2913	[4938, 4550]	6242	[3703, 8767]	9571	[11425, 2416]	12900	[5316, 13064]
2914	[4939, 3310]	6243	[8768, 319]	9572	[6438, 1869]	12901	[7012, 13094]
2915	[4940, 4941]	6244	[4188, 7793]	9573	[11426, 1878]	12902	[10910, 11485]
2916	[64, 4698]	6245	[1684, 8769]	9574	[11427, 3173]	12903	[6360, 5884]
2917	[4942, 4943]	6246	[8770, 7928]	9575	[11131, 11217]	12904	[5562, 13130]
2918	[4944, 4738]	6247	[8771, 1357]	9576	[11428, 2845]	12905	[11246, 6324]
2919	[4945, 4946]	6248	[8465, 7718]	9577	[11429, 11430]	12906	[12993, 5734]
2920	[4947, 1693]	6249	[8772, 8773]	9578	[10289, 11431]	12907	[13048, 670]
2921	[4948, 4949]	6250	[8271, 4656]	9579	[10827, 11432]	12908	[12995, 6804]
2922	[4950, 4951]	6251	[5290, 4570]	9580	[1853, 5733]	12909	[3092, 13000]
2923	[4952, 4953]	6252	[4035, 8226]	9581	[6240, 5485]	12910	[13160, 13160]
2924	[4954, 4955]	6253	[8774, 8775]	9582	[11420, 11433]	12911	[10241, 10245]
2925	[1168, 4956]	6254	[8776, 4028]	9583	[52, 6546]	12912	[6166, 7114]
2926	[4957, 1316]	6255	[1106, 8777]	9584	[6502, 55]	12913	[10917, 7461]
2927	[4958, 4595]	6256	[8778, 4975]	9585	[11155, 6573]	12914	[2417, 2121]
2928	[4959, 4960]	6257	[8779, 3331]	9586	[11260, 11434]	12915	[11419, 11261]
2929	[4961, 4962]	6258	[1509, 1382]	9587	[5392, 11435]	12916	[11644, 2109]
2930	[4043, 4963]	6259	[8068, 437]	9588	[11436, 10780]	12917	[7452, 13165]
2931	[1786, 4964]	6260	[8780, 8781]	9589	[11437, 7209]	12918	[1896, 10183]
2932	[4965, 4306]	6261	[4240, 1494]	9590	[2332, 6201]	12919	[11691, 6365]
2933	[4966, 445]	6262	[8782, 8783]	9591	[6369, 7325]	12920	[6155, 13122]
2934	[4967, 4612]	6263	[8784, 8785]	9592	[11438, 5819]	12921	[776, 13085]
2935	[4968, 337]	6264	[4709, 4328]	9593	[5462, 822]	12922	[11016, 12996]
2936	[1409, 4969]	6265	[8786, 8668]	9594	[2578, 2657]	12923	[10168, 6681]
2937	[4970, 4971]	6266	[8787, 8788]	9595	[5561, 6839]	12924	[5675, 6190]
2938	[4972, 4973]	6267	[8789, 445]	9596	[10376, 5614]	12925	[10608, 10511]
2939	[4974, 4975]	6268	[8790, 8791]	9597	[11439, 7477]	12926	[5968, 6080]

2940	[4976, 4977]	6269	[8792, 1207]	9598	[11290, 11337]	12927	[7296, 202]
2941	[4057, 3608]	6270	[8793, 3537]	9599	[817, 649]	12928	[13166, 6487]
2942	[4978, 1054]	6271	[8794, 1454]	9600	[11440, 2001]	12929	[11662, 10714]
2943	[4979, 4461]	6272	[8040, 8302]	9601	[7035, 6668]	12930	[782, 11043]
2944	[4980, 4981]	6273	[8795, 4514]	9602	[11441, 11442]	12931	[11528, 11321]
2945	[4820, 4982]	6274	[8796, 3720]	9603	[11443, 7293]	12932	[5471, 5793]
2946	[1145, 4983]	6275	[368, 4418]	9604	[10490, 11442]	12933	[10670, 3162]
2947	[4984, 4985]	6276	[1777, 8797]	9605	[11444, 1829]	12934	[6905, 2022]
2948	[3305, 4986]	6277	[8798, 414]	9606	[2256, 180]	12935	[10836, 12964]
2949	[4987, 3801]	6278	[8799, 8800]	9607	[10951, 10727]	12936	[10908, 5436]
2950	[4988, 4989]	6279	[8801, 5278]	9608	[7198, 2915]	12937	[13167, 1773]
2951	[4990, 443]	6280	[8802, 1049]	9609	[5583, 2093]	12938	[9070, 13168]
2952	[4991, 4992]	6281	[8803, 8804]	9610	[730, 7040]	12939	[13169, 3941]
2953	[4993, 4994]	6282	[1693, 5228]	9611	[11445, 1933]	12940	[13170, 9887]
2954	[4995, 3944]	6283	[8805, 8774]	9612	[7056, 11446]	12941	[99, 3445]
2955	[4624, 4166]	6284	[8806, 1082]	9613	[5912, 2912]	12942	[1632, 13171]
2956	[3972, 1744]	6285	[3319, 8807]	9614	[11447, 11448]	12943	[3814, 1485]
2957	[4802, 4996]	6286	[8808, 4328]	9615	[7153, 11449]	12944	[11972, 11711]
2958	[4805, 1266]	6287	[8809, 8609]	9616	[5551, 11450]	12945	[13172, 4484]
2959	[4997, 4998]	6288	[8810, 8811]	9617	[7172, 2315]	12946	[13173, 3505]
2960	[3784, 4448]	6289	[8812, 8813]	9618	[5714, 7565]	12947	[7908, 7740]
2961	[4999, 5000]	6290	[8814, 8815]	9619	[11451, 6947]	12948	[13174, 9146]
2962	[5001, 4190]	6291	[8816, 8817]	9620	[11452, 6289]	12949	[1599, 12101]
2963	[5002, 5003]	6292	[8818, 1384]	9621	[2239, 11453]	12950	[13175, 8821]
2964	[5004, 3212]	6293	[1734, 8819]	9622	[1917, 6845]	12951	[13176, 7727]
2965	[5005, 5006]	6294	[8820, 8821]	9623	[11454, 7303]	12952	[3285, 13177]
2966	[4791, 5007]	6295	[8822, 8823]	9624	[11455, 7095]	12953	[1356, 392]
2967	[5008, 5009]	6296	[8824, 1490]	9625	[11456, 11457]	12954	[13178, 13179]
2968	[5010, 400]	6297	[8825, 8826]	9626	[11458, 6260]	12955	[13180, 8338]
2969	[3230, 5011]	6298	[8558, 8827]	9627	[2108, 2106]	12956	[1549, 4243]
2970	[5012, 5013]	6299	[8828, 8829]	9628	[11459, 7448]	12957	[13181, 7816]
2971	[5014, 5015]	6300	[8830, 1222]	9629	[36, 37]	12958	[4892, 3492]
2972	[5016, 357]	6301	[8831, 8027]	9630	[5560, 11460]	12959	[9419, 1174]
2973	[5017, 5018]	6302	[8832, 8833]	9631	[11461, 2902]	12960	[13182, 9563]
2974	[5019, 5020]	6303	[3365, 8090]	9632	[11462, 11463]	12961	[13183, 1034]
2975	[5021, 1185]	6304	[7881, 8588]	9633	[10339, 2706]	12962	[12211, 13184]
2976	[5022, 3755]	6305	[8834, 3982]	9634	[6967, 11464]	12963	[5297, 4461]
2977	[5023, 5024]	6306	[4292, 434]	9635	[7070, 11127]	12964	[12243, 11782]
2978	[4532, 1306]	6307	[8835, 3388]	9636	[11465, 6453]	12965	[13185, 12006]
2979	[5025, 3452]	6308	[8836, 1022]	9637	[2976, 5597]	12966	[4989, 12064]
2980	[5026, 3402]	6309	[4418, 8837]	9638	[7102, 10642]	12967	[13186, 8110]
2981	[5027, 5028]	6310	[8838, 1696]	9639	[2423, 11466]	12968	[13187, 8676]
2982	[5029, 3528]	6311	[8689, 4985]	9640	[11004, 11467]	12969	[13188, 9962]
2983	[5030, 5031]	6312	[3298, 8839]	9641	[247, 10418]	12970	[9341, 12885]

2984	[1533, 5032]	6313	[8840, 8841]	9642	[11405, 10522]	12971	[12731, 3823]
2985	[5033, 5034]	6314	[8842, 8843]	9643	[2287, 11468]	12972	[13189, 8775]
2986	[5035, 1406]	6315	[8844, 4592]	9644	[11318, 11469]	12973	[13190, 12788]
2987	[5036, 4743]	6316	[8845, 8846]	9645	[622, 2894]	12974	[13191, 9176]
2988	[5037, 5038]	6317	[3867, 1558]	9646	[3086, 1899]	12975	[483, 8726]
2989	[5039, 5040]	6318	[3479, 8013]	9647	[5823, 2815]	12976	[4902, 9392]
2990	[5041, 5042]	6319	[8847, 8848]	9648	[5644, 7134]	12977	[1587, 1130]
2991	[5043, 452]	6320	[8849, 8850]	9649	[2181, 11470]	12978	[9937, 13192]
2992	[5044, 4723]	6321	[8851, 7863]	9650	[7571, 6942]	12979	[13193, 11899]
2993	[5045, 4520]	6322	[4824, 5209]	9651	[11471, 34]	12980	[13194, 1683]
2994	[5046, 5047]	6323	[7820, 8852]	9652	[11439, 11472]	12981	[8613, 8199]
2995	[5048, 305]	6324	[8853, 4606]	9653	[11473, 6257]	12982	[12772, 8802]
2996	[5049, 5050]	6325	[8854, 5008]	9654	[11474, 817]	12983	[11704, 4096]
2997	[3842, 5051]	6326	[4778, 4870]	9655	[2396, 11475]	12984	[13195, 8299]
2998	[1319, 5052]	6327	[8855, 1341]	9656	[11476, 11477]	12985	[13196, 4255]
2999	[5053, 997]	6328	[8856, 1652]	9657	[11478, 10405]	12986	[9064, 8035]
3000	[3968, 5054]	6329	[8857, 1656]	9658	[11479, 11480]	12987	[4358, 12878]
3001	[5055, 5056]	6330	[4518, 3862]	9659	[11481, 7092]	12988	[13197, 13198]
3002	[3288, 4172]	6331	[8858, 8859]	9660	[6259, 220]	12989	[5007, 8804]
3003	[5057, 4460]	6332	[8860, 8861]	9661	[11227, 10346]	12990	[8826, 9512]
3004	[5058, 3417]	6333	[8862, 8484]	9662	[2631, 11482]	12991	[13199, 3631]
3005	[3553, 4866]	6334	[8863, 3981]	9663	[10758, 1939]	12992	[8485, 12791]
3006	[5059, 3711]	6335	[983, 3977]	9664	[11140, 11483]	12993	[1448, 8211]
3007	[5060, 5061]	6336	[8864, 7721]	9665	[11484, 11389]	12994	[12756, 12192]
3008	[5062, 5063]	6337	[8865, 8315]	9666	[5988, 7644]	12995	[3446, 13200]
3009	[5064, 5065]	6338	[8866, 8867]	9667	[11485, 7014]	12996	[89, 1458]
3010	[5066, 1649]	6339	[5223, 3847]	9668	[3128, 2184]	12997	[13201, 9888]
3011	[5067, 5068]	6340	[8751, 8868]	9669	[10416, 2487]	12998	[3549, 9215]
3012	[5069, 5070]	6341	[8869, 8870]	9670	[2658, 831]	12999	[7791, 9350]
3013	[5071, 4566]	6342	[8871, 8872]	9671	[57, 2390]	13000	[13202, 13203]
3014	[5072, 1772]	6343	[3865, 1295]	9672	[2265, 11486]	13001	[9457, 13204]
3015	[3496, 5073]	6344	[4392, 3354]	9673	[10234, 11487]	13002	[8036, 10143]
3016	[338, 5074]	6345	[8873, 269]	9674	[11465, 6651]	13003	[13205, 1682]
3017	[5075, 5076]	6346	[3518, 8874]	9675	[11488, 3032]	13004	[8261, 4781]
3018	[5077, 4822]	6347	[8875, 8876]	9676	[7458, 3121]	13005	[1561, 9542]
3019	[5078, 4694]	6348	[4642, 7925]	9677	[713, 6110]	13006	[13206, 9993]
3020	[5079, 5080]	6349	[8877, 8878]	9678	[10587, 5708]	13007	[13207, 7962]
3021	[5081, 5082]	6350	[8879, 3962]	9679	[11489, 2644]	13008	[13208, 1587]
3022	[5083, 5084]	6351	[1021, 4552]	9680	[7343, 10596]	13009	[4514, 9757]
3023	[5085, 5086]	6352	[8880, 8881]	9681	[11490, 7130]	13010	[13209, 3287]
3024	[5087, 4920]	6353	[8882, 8883]	9682	[11491, 5378]	13011	[13210, 9687]
3025	[5088, 4436]	6354	[8599, 8884]	9683	[832, 10720]	13012	[13211, 1722]
3026	[5089, 3851]	6355	[4595, 7867]	9684	[11492, 2071]	13013	[13212, 12606]
3027	[5090, 5091]	6356	[4669, 8885]	9685	[6530, 772]	13014	[3789, 7724]

3028	[5092, 5093]	6357	[7713, 8886]	9686	[10387, 11493]	13015	[5208, 9407]
3029	[5094, 1645]	6358	[8414, 4601]	9687	[5919, 2439]	13016	[11956, 8715]
3030	[5095, 5096]	6359	[8887, 8888]	9688	[11063, 11494]	13017	[13213, 1402]
3031	[5097, 5098]	6360	[8889, 8890]	9689	[2975, 5596]	13018	[11907, 8590]
3032	[5099, 3846]	6361	[8891, 8892]	9690	[11495, 10364]	13019	[3337, 8705]
3033	[4253, 3594]	6362	[1098, 3401]	9691	[11496, 6858]	13020	[4704, 13214]
3034	[5100, 5101]	6363	[426, 371]	9692	[7366, 11497]	13021	[13215, 9312]
3035	[950, 1327]	6364	[7879, 4867]	9693	[11498, 11499]	13022	[11898, 11815]
3036	[954, 967]	6365	[8893, 4444]	9694	[1888, 2288]	13023	[13216, 9594]
3037	[5102, 1449]	6366	[8894, 8686]	9695	[6228, 6541]	13024	[10127, 12140]
3038	[5103, 1311]	6367	[8895, 8896]	9696	[5668, 11500]	13025	[13217, 276]
3039	[5104, 1209]	6368	[8897, 3393]	9697	[11501, 7631]	13026	[13218, 3428]
3040	[5105, 5106]	6369	[8524, 8898]	9698	[6040, 10289]	13027	[13219, 8896]
3041	[5107, 5108]	6370	[8899, 3997]	9699	[7511, 6538]	13028	[4722, 10113]
3042	[4144, 5109]	6371	[8900, 8901]	9700	[154, 10616]	13029	[4440, 8911]
3043	[5110, 5111]	6372	[8902, 8597]	9701	[10867, 1858]	13030	[13220, 1428]
3044	[5112, 4842]	6373	[8903, 8116]	9702	[5891, 3057]	13031	[5076, 13221]
3045	[5113, 3887]	6374	[8904, 4881]	9703	[11502, 11503]	13032	[13222, 5026]
3046	[5114, 4696]	6375	[8700, 3866]	9704	[10404, 228]	13033	[9560, 4463]
3047	[5115, 5116]	6376	[8905, 3986]	9705	[11169, 11149]	13034	[13223, 9967]
3048	[5117, 5118]	6377	[3559, 3579]	9706	[5449, 2608]	13035	[13224, 4241]
3049	[5119, 1356]	6378	[8906, 8488]	9707	[2635, 6012]	13036	[13225, 7994]
3050	[5120, 5121]	6379	[398, 5070]	9708	[11504, 2592]	13037	[13226, 9089]
3051	[5122, 5123]	6380	[1492, 4409]	9709	[2573, 2848]	13038	[13227, 3820]
3052	[5124, 3359]	6381	[8907, 8908]	9710	[11505, 10439]	13039	[13228, 8147]
3053	[5125, 5126]	6382	[8909, 8910]	9711	[2526, 11160]	13040	[311, 11860]
3054	[5127, 5128]	6383	[8911, 1355]	9712	[502, 11506]	13041	[4312, 9445]
3055	[5129, 5130]	6384	[5248, 5110]	9713	[11271, 7204]	13042	[13229, 13230]
3056	[5131, 5132]	6385	[8912, 8913]	9714	[10976, 6580]	13043	[12651, 4978]
3057	[5133, 5134]	6386	[8611, 3326]	9715	[10351, 10639]	13044	[13231, 9697]
3058	[5135, 5136]	6387	[8914, 8607]	9716	[670, 2196]	13045	[13232, 4036]
3059	[5137, 5138]	6388	[8915, 8916]	9717	[6267, 7536]	13046	[9453, 12877]
3060	[5139, 1241]	6389	[8917, 8918]	9718	[7099, 11507]	13047	[3938, 13203]
3061	[5140, 5141]	6390	[8919, 8059]	9719	[11190, 1925]	13048	[9926, 4342]
3062	[5142, 5143]	6391	[3707, 8920]	9720	[10562, 6494]	13049	[9794, 10134]
3063	[5144, 5145]	6392	[8673, 8921]	9721	[11508, 7565]	13050	[9220, 3746]
3064	[5146, 5147]	6393	[8922, 8923]	9722	[11509, 1997]	13051	[3535, 4787]
3065	[5148, 4199]	6394	[8085, 8680]	9723	[138, 6554]	13052	[3538, 1380]
3066	[5149, 3218]	6395	[8924, 8875]	9724	[11130, 11510]	13053	[13177, 4291]
3067	[5150, 1737]	6396	[8925, 8527]	9725	[2391, 2235]	13054	[4544, 12414]
3068	[5151, 358]	6397	[8926, 8927]	9726	[6558, 6563]	13055	[13233, 7780]
3069	[5152, 4005]	6398	[8928, 3585]	9727	[6061, 11511]	13056	[1738, 8517]
3070	[3186, 5153]	6399	[8929, 8930]	9728	[11214, 5769]	13057	[13234, 9675]
3071	[5154, 5155]	6400	[8931, 3917]	9729	[11512, 11513]	13058	[13235, 3866]

3072	[5156, 5157]	6401	[8932, 8933]	9730	[5939, 2750]	13059	[9091, 1602]
3073	[5158, 1114]	6402	[8934, 4573]	9731	[11514, 5796]	13060	[13236, 8759]
3074	[5159, 5160]	6403	[8935, 1017]	9732	[11270, 6983]	13061	[13237, 3843]
3075	[5161, 5162]	6404	[8936, 5285]	9733	[11461, 5967]	13062	[12742, 5019]
3076	[5163, 3235]	6405	[8937, 4995]	9734	[11515, 7232]	13063	[12345, 3648]
3077	[5164, 4456]	6406	[8938, 8939]	9735	[61, 11516]	13064	[13238, 4539]
3078	[4212, 5165]	6407	[8940, 8941]	9736	[7001, 11517]	13065	[13239, 3992]
3079	[5166, 4119]	6408	[8942, 253]	9737	[11508, 5715]	13066	[9152, 5008]
3080	[5167, 5168]	6409	[8943, 7811]	9738	[10562, 1911]	13067	[13240, 12031]
3081	[5169, 1526]	6410	[3888, 3529]	9739	[659, 10482]	13068	[13241, 74]
3082	[5170, 5171]	6411	[8944, 8945]	9740	[11518, 5678]	13069	[12097, 1179]
3083	[5172, 5173]	6412	[4274, 8946]	9741	[11099, 1968]	13070	[13242, 8360]
3084	[5174, 1420]	6413	[8947, 4776]	9742	[744, 10177]	13071	[7927, 9085]
3085	[5175, 5176]	6414	[4603, 8948]	9743	[10149, 11519]	13072	[9216, 1425]
3086	[5177, 5178]	6415	[8949, 8950]	9744	[10679, 6184]	13073	[13243, 8511]
3087	[5179, 5180]	6416	[8951, 8952]	9745	[6591, 7047]	13074	[1229, 12762]
3088	[5181, 5182]	6417	[3718, 1672]	9746	[5513, 11493]	13075	[13244, 4303]
3089	[5183, 4817]	6418	[8292, 5278]	9747	[11520, 10289]	13076	[12319, 13245]
3090	[4015, 5184]	6419	[8953, 101]	9748	[11521, 2539]	13077	[13246, 3577]
3091	[5185, 4399]	6420	[480, 8954]	9749	[11522, 6178]	13078	[3483, 92]
3092	[5186, 5187]	6421	[8955, 7835]	9750	[5660, 3008]	13079	[13247, 88]
3093	[5188, 4538]	6422	[8956, 8807]	9751	[3000, 811]	13080	[13248, 9197]
3094	[5189, 5190]	6423	[8957, 8958]	9752	[6320, 2500]	13081	[13249, 4906]
3095	[5191, 1257]	6424	[1088, 8011]	9753	[11437, 1915]	13082	[13250, 3652]
3096	[5192, 3684]	6425	[1434, 3395]	9754	[11333, 5355]	13083	[13251, 7671]
3097	[5193, 5194]	6426	[8959, 8960]	9755	[6873, 11523]	13084	[3580, 1070]
3098	[5195, 5196]	6427	[8961, 8962]	9756	[1877, 10398]	13085	[13252, 89]
3099	[340, 5197]	6428	[8963, 3808]	9757	[11524, 2993]	13086	[13253, 1506]
3100	[5198, 3264]	6429	[8964, 4279]	9758	[11525, 11526]	13087	[8635, 4031]
3101	[5199, 5200]	6430	[3687, 8965]	9759	[11527, 7085]	13088	[3207, 4901]
3102	[5201, 1686]	6431	[8966, 483]	9760	[593, 6019]	13089	[13254, 8327]
3103	[5202, 5203]	6432	[8967, 8968]	9761	[11528, 5688]	13090	[13255, 7750]
3104	[5204, 5126]	6433	[8969, 8970]	9762	[10498, 2966]	13091	[13256, 4621]
3105	[3880, 5205]	6434	[8971, 8397]	9763	[11529, 7297]	13092	[13257, 1541]
3106	[5206, 4991]	6435	[491, 8972]	9764	[5546, 514]	13093	[8125, 1120]
3107	[5207, 405]	6436	[4814, 4074]	9765	[5712, 6505]	13094	[9768, 3904]
3108	[424, 5208]	6437	[348, 8973]	9766	[6283, 10438]	13095	[12536, 8369]
3109	[5209, 5210]	6438	[8974, 8975]	9767	[6715, 11034]	13096	[13258, 8929]
3110	[5000, 5211]	6439	[8976, 8920]	9768	[11425, 905]	13097	[7803, 1263]
3111	[5212, 3968]	6440	[8977, 8978]	9769	[2650, 5442]	13098	[13259, 1475]
3112	[5213, 4483]	6441	[8979, 1634]	9770	[6667, 11530]	13099	[13260, 12110]
3113	[5214, 5215]	6442	[8980, 4162]	9771	[5911, 2911]	13100	[13261, 9463]
3114	[3403, 5216]	6443	[8981, 472]	9772	[11124, 747]	13101	[13262, 8424]
3115	[5217, 5218]	6444	[8982, 8983]	9773	[11326, 10461]	13102	[9125, 4829]

3116	[5219, 5220]	6445	[4650, 291]	9774	[11518, 11074]	13103	[13263, 8921]
3117	[4241, 5221]	6446	[8984, 4993]	9775	[11531, 11532]	13104	[13264, 13265]
3118	[5222, 5223]	6447	[8985, 3510]	9776	[11533, 11373]	13105	[3853, 4170]
3119	[5224, 3685]	6448	[8986, 8987]	9777	[11534, 11301]	13106	[13266, 13267]
3120	[5225, 5226]	6449	[8988, 8989]	9778	[2238, 5423]	13107	[3420, 9995]
3121	[5227, 5228]	6450	[8990, 3605]	9779	[11535, 11017]	13108	[12266, 12176]
3122	[5229, 5230]	6451	[8991, 8263]	9780	[11325, 6830]	13109	[13268, 12256]
3123	[5231, 5232]	6452	[5210, 1316]	9781	[7308, 11536]	13110	[13269, 8841]
3124	[5233, 3366]	6453	[4125, 335]	9782	[2897, 11537]	13111	[13270, 11838]
3125	[5234, 5019]	6454	[8632, 8992]	9783	[7533, 7591]	13112	[8606, 8390]
3126	[5235, 5236]	6455	[8993, 407]	9784	[5376, 11538]	13113	[13271, 9793]
3127	[5237, 5238]	6456	[8994, 30]	9785	[7140, 60]	13114	[7696, 8521]
3128	[5239, 3852]	6457	[8995, 3809]	9786	[2171, 2681]	13115	[13272, 3479]
3129	[5240, 3775]	6458	[7921, 8291]	9787	[1840, 11383]	13116	[13273, 1108]
3130	[5241, 5242]	6459	[8996, 3209]	9788	[10618, 11539]	13117	[13274, 1237]
3131	[3989, 5243]	6460	[8997, 8998]	9789	[6519, 6154]	13118	[13275, 8818]
3132	[5244, 4158]	6461	[8999, 9000]	9790	[11540, 10837]	13119	[12186, 112]
3133	[5245, 4454]	6462	[8396, 4244]	9791	[11541, 11542]	13120	[8615, 13276]
3134	[5246, 5247]	6463	[3286, 3645]	9792	[7182, 11543]	13121	[13277, 3934]
3135	[81, 5248]	6464	[9001, 4298]	9793	[3044, 10298]	13122	[13278, 8226]
3136	[5249, 5250]	6465	[9002, 7668]	9794	[11544, 2444]	13123	[13279, 3534]
3137	[5251, 3697]	6466	[9003, 9004]	9795	[10653, 11545]	13124	[13280, 1206]
3138	[5252, 5253]	6467	[9005, 4254]	9796	[10900, 2071]	13125	[4795, 13281]
3139	[5254, 4234]	6468	[9006, 3718]	9797	[6597, 189]	13126	[8208, 4515]
3140	[5255, 981]	6469	[9007, 9008]	9798	[6220, 11546]	13127	[13282, 3263]
3141	[5256, 5257]	6470	[8734, 9009]	9799	[2445, 5777]	13128	[13283, 7951]
3142	[5258, 5259]	6471	[9010, 4736]	9800	[2135, 7040]	13129	[13284, 9637]
3143	[5260, 5261]	6472	[3984, 3487]	9801	[2281, 11547]	13130	[13285, 1450]
3144	[5262, 3446]	6473	[8530, 9011]	9802	[5985, 7096]	13131	[13286, 1605]
3145	[3213, 70]	6474	[1628, 9012]	9803	[7485, 2853]	13132	[13287, 5205]
3146	[4303, 5263]	6475	[4232, 1085]	9804	[11351, 6749]	13133	[8910, 8364]
3147	[5264, 5265]	6476	[9013, 9014]	9805	[11548, 2114]	13134	[13288, 8442]
3148	[5266, 4639]	6477	[9015, 9016]	9806	[2831, 11549]	13135	[13289, 4562]
3149	[5267, 5268]	6478	[9017, 8434]	9807	[7523, 10206]	13136	[270, 4684]
3150	[1074, 4132]	6479	[9018, 4999]	9808	[6462, 6000]	13137	[12264, 7768]
3151	[5269, 5270]	6480	[9019, 4292]	9809	[6415, 2123]	13138	[4700, 9213]
3152	[5271, 1319]	6481	[9020, 3960]	9810	[6297, 639]	13139	[5011, 8782]
3153	[1352, 98]	6482	[9021, 9022]	9811	[11550, 7337]	13140	[8332, 8916]
3154	[5272, 3296]	6483	[9023, 3312]	9812	[6522, 6664]	13141	[13290, 7955]
3155	[5273, 5274]	6484	[9024, 9025]	9813	[10500, 7576]	13142	[13291, 3579]
3156	[414, 5275]	6485	[9026, 9027]	9814	[11010, 10913]	13143	[13292, 8884]
3157	[5276, 5277]	6486	[9028, 4650]	9815	[499, 11551]	13144	[13293, 1407]
3158	[4200, 4639]	6487	[9029, 8063]	9816	[11552, 7538]	13145	[13294, 3924]
3159	[5278, 5279]	6488	[9030, 475]	9817	[11553, 3080]	13146	[9291, 4529]

3160	[5280, 3943]	6489	[3462, 9031]	9818	[630, 10597]	13147	[9829, 1643]
3161	[5281, 4159]	6490	[9032, 9033]	9819	[3027, 10814]	13148	[13295, 5009]
3162	[5282, 1503]	6491	[9034, 9035]	9820	[5587, 11554]	13149	[350, 4700]
3163	[5283, 5284]	6492	[9036, 9037]	9821	[2476, 11219]	13150	[13296, 4635]
3164	[5285, 4569]	6493	[9038, 4798]	9822	[6009, 11555]	13151	[13297, 5007]
3165	[5286, 5287]	6494	[22, 8101]	9823	[7613, 6937]	13152	[13298, 28]
3166	[332, 5288]	6495	[9039, 1250]	9824	[6807, 609]	13153	[4729, 10022]
3167	[5289, 5290]	6496	[1338, 9040]	9825	[11556, 10419]	13154	[9617, 8523]
3168	[5291, 5292]	6497	[9041, 4306]	9826	[11557, 11558]	13155	[13299, 9034]
3169	[5293, 438]	6498	[9042, 4391]	9827	[2525, 1895]	13156	[3528, 13300]
3170	[4933, 5294]	6499	[3753, 4910]	9828	[236, 11362]	13157	[13301, 3376]
3171	[3466, 5295]	6500	[1285, 8982]	9829	[11559, 11463]	13158	[13302, 9572]
3172	[5296, 5297]	6501	[408, 8047]	9830	[2419, 10656]	13159	[12110, 78]
3173	[5298, 4010]	6502	[9043, 9044]	9831	[10474, 11560]	13160	[13303, 9955]
3174	[5299, 4519]	6503	[8622, 9045]	9832	[11561, 892]	13161	[13304, 9375]
3175	[5300, 5301]	6504	[9046, 8074]	9833	[5727, 11562]	13162	[13305, 7993]
3176	[5302, 5244]	6505	[9047, 8318]	9834	[2907, 10253]	13163	[9744, 1139]
3177	[5303, 5128]	6506	[3205, 3967]	9835	[6559, 5592]	13164	[13306, 3944]
3178	[2155, 5304]	6507	[9048, 4053]	9836	[11344, 11563]	13165	[5028, 8456]
3179	[5305, 5306]	6508	[9049, 4415]	9837	[11564, 2888]	13166	[12709, 8891]
3180	[5307, 5308]	6509	[3574, 8729]	9838	[11565, 11566]	13167	[10304, 2877]
3181	[37, 5309]	6510	[9050, 9051]	9839	[11567, 7182]	13168	[6691, 7318]
3182	[5310, 2023]	6511	[7772, 9052]	9840	[11403, 3060]	13169	[6400, 5638]
3183	[5311, 5312]	6512	[1121, 9053]	9841	[10697, 11501]	13170	[5397, 13162]
3184	[5313, 5314]	6513	[4878, 9054]	9842	[11398, 11568]	13171	[7401, 2720]
3185	[5315, 5316]	6514	[8249, 9055]	9843	[10154, 798]	13172	[13009, 200]
3186	[5317, 5318]	6515	[9056, 4225]	9844	[11569, 11194]	13173	[2643, 830]
3187	[5319, 5320]	6516	[9057, 4885]	9845	[6539, 7496]	13174	[2463, 13307]
3188	[5321, 5322]	6517	[9058, 1528]	9846	[11570, 11486]	13175	[561, 11353]
3189	[5323, 5324]	6518	[1062, 9059]	9847	[11571, 1930]	13176	[11233, 925]
3190	[5325, 5326]	6519	[3993, 9060]	9848	[11572, 11573]	13177	[13166, 10479]
3191	[5327, 5328]	6520	[9061, 9062]	9849	[11223, 10370]	13178	[11381, 2037]
3192	[5329, 5307]	6521	[9063, 8287]	9850	[2224, 2396]	13179	[11021, 10811]
3193	[5330, 5331]	6522	[4425, 9064]	9851	[11574, 5901]	13180	[5544, 11480]
3194	[2231, 5332]	6523	[3669, 8114]	9852	[10821, 7356]	13181	[2976, 10986]
3195	[5333, 1895]	6524	[9065, 9066]	9853	[7092, 7208]	13182	[6547, 10946]
3196	[5334, 2040]	6525	[3601, 3876]	9854	[11575, 2109]	13183	[7541, 1946]
3197	[1992, 5335]	6526	[9067, 8406]	9855	[11576, 11577]	13184	[5689, 7236]
3198	[5336, 2732]	6527	[9068, 3427]	9856	[5947, 3167]	13185	[1932, 13152]
3199	[936, 5337]	6528	[9069, 9070]	9857	[10626, 5772]	13186	[6634, 2625]
3200	[5338, 5339]	6529	[9071, 3883]	9858	[5616, 11578]	13187	[2633, 10247]
3201	[5340, 3043]	6530	[9072, 8761]	9859	[1865, 11579]	13188	[11501, 13037]
3202	[2904, 5341]	6531	[9073, 3340]	9860	[10514, 2621]	13189	[2064, 705]
3203	[5342, 5343]	6532	[8920, 9074]	9861	[11580, 5441]	13190	[12973, 13143]

3204	[2630, 5344]	6533	[9075, 3580]	9862	[11302, 11390]	13191	[11672, 11664]
3205	[5345, 5346]	6534	[9076, 9077]	9863	[2902, 7416]	13192	[11009, 2435]
3206	[5347, 2230]	6535	[9078, 9079]	9864	[11581, 11582]	13193	[6329, 2625]
3207	[5348, 5349]	6536	[4298, 9080]	9865	[6595, 7046]	13194	[2762, 13308]
3208	[5350, 2047]	6537	[9081, 1256]	9866	[5602, 6816]	13195	[5832, 821]
3209	[5351, 5352]	6538	[9082, 9083]	9867	[5837, 693]	13196	[5347, 13015]
3210	[5353, 5354]	6539	[9084, 9085]	9868	[11583, 6968]	13197	[2003, 10753]
3211	[2808, 690]	6540	[3999, 1039]	9869	[10736, 11584]	13198	[10781, 6345]
3212	[5355, 140]	6541	[9086, 4879]	9870	[134, 11585]	13199	[500, 11259]
3213	[5356, 5357]	6542	[7816, 9087]	9871	[3118, 32]	13200	[7426, 7218]
3214	[5358, 5359]	6543	[4905, 9088]	9872	[10203, 166]	13201	[13045, 11424]
3215	[5360, 2918]	6544	[8717, 3912]	9873	[2696, 6819]	13202	[10840, 5393]
3216	[5361, 5362]	6545	[4648, 9089]	9874	[11586, 5409]	13203	[11627, 6877]
3217	[5363, 5364]	6546	[446, 8396]	9875	[918, 6867]	13204	[238, 6788]
3218	[5365, 5366]	6547	[7794, 9090]	9876	[191, 11587]	13205	[11668, 5600]
3219	[2290, 5367]	6548	[1647, 9091]	9877	[6107, 5452]	13206	[5420, 6712]
3220	[5368, 5369]	6549	[9092, 7927]	9878	[11541, 11588]	13207	[161, 7492]
3221	[698, 2684]	6550	[1397, 9093]	9879	[3133, 11589]	13208	[5876, 2119]
3222	[5370, 5371]	6551	[9094, 4607]	9880	[3131, 6992]	13209	[10667, 5460]
3223	[5372, 2211]	6552	[9095, 9096]	9881	[5546, 10824]	13210	[6064, 11517]
3224	[2125, 5373]	6553	[9097, 1322]	9882	[6647, 2927]	13211	[11488, 7229]
3225	[5374, 5375]	6554	[9098, 3625]	9883	[7629, 11380]	13212	[1972, 11615]
3226	[5376, 5377]	6555	[9099, 1211]	9884	[10676, 11590]	13213	[12942, 653]
3227	[2847, 2145]	6556	[9025, 9100]	9885	[2776, 11591]	13214	[6753, 5464]
3228	[5378, 5379]	6557	[9101, 7819]	9886	[10367, 11592]	13215	[10809, 10753]
3229	[5320, 2324]	6558	[9102, 4323]	9887	[6509, 10426]	13216	[775, 6219]
3230	[5380, 5381]	6559	[9103, 9104]	9888	[10212, 5868]	13217	[10484, 5683]
3231	[5382, 5383]	6560	[1003, 3243]	9889	[11203, 11593]	13218	[2877, 2425]
3232	[5384, 5385]	6561	[7889, 9105]	9890	[2325, 11594]	13219	[6915, 2928]
3233	[5386, 5387]	6562	[9106, 3838]	9891	[5572, 7273]	13220	[6893, 11167]
3234	[5388, 5389]	6563	[9107, 5132]	9892	[11595, 11596]	13221	[11339, 5765]
3235	[5390, 5391]	6564	[266, 3792]	9893	[1923, 859]	13222	[220, 5628]
3236	[5392, 137]	6565	[9108, 9109]	9894	[7068, 10199]	13223	[11416, 2406]
3237	[5393, 5394]	6566	[9110, 4689]	9895	[10348, 11597]	13224	[5738, 5387]
3238	[2004, 5395]	6567	[9111, 5168]	9896	[10767, 6007]	13225	[11624, 234]
3239	[5396, 5397]	6568	[9112, 4042]	9897	[11598, 11599]	13226	[12978, 48]
3240	[5398, 5399]	6569	[8148, 9113]	9898	[6010, 7054]	13227	[7187, 11553]
3241	[5400, 2628]	6570	[9114, 8245]	9899	[11025, 6708]	13228	[10527, 6250]
3242	[5401, 5402]	6571	[9115, 961]	9900	[5590, 5659]	13229	[664, 11579]
3243	[5403, 5404]	6572	[9116, 9117]	9901	[11600, 10757]	13230	[6251, 2660]
3244	[2256, 612]	6573	[3838, 1331]	9902	[11128, 5968]	13231	[6324, 2683]
3245	[5405, 5406]	6574	[9118, 3798]	9903	[9, 10620]	13232	[10512, 11293]
3246	[5407, 2154]	6575	[9119, 9120]	9904	[2722, 6410]	13233	[6226, 6394]
3247	[5408, 5409]	6576	[8167, 9121]	9905	[6390, 5616]	13234	[5433, 11023]

3248	[5410, 2495]	6577	[9122, 8630]	9906	[895, 11175]	13235	[13106, 1816]
3249	[5411, 5412]	6578	[9123, 9124]	9907	[2345, 11601]	13236	[2243, 859]
3250	[5413, 3101]	6579	[3503, 9125]	9908	[3020, 6585]	13237	[1934, 13135]
3251	[5414, 3140]	6580	[9126, 8019]	9909	[11161, 11602]	13238	[3075, 13308]
3252	[2070, 606]	6581	[9127, 8909]	9910	[11603, 10941]	13239	[7356, 13103]
3253	[5415, 2268]	6582	[9128, 9129]	9911	[11358, 10479]	13240	[7326, 2937]
3254	[3085, 2596]	6583	[9130, 8948]	9912	[5703, 5656]	13241	[6878, 11369]
3255	[5416, 5417]	6584	[9131, 4587]	9913	[11524, 1957]	13242	[11544, 10162]
3256	[5418, 5419]	6585	[8468, 9132]	9914	[11604, 7216]	13243	[5448, 7233]
3257	[5420, 2899]	6586	[9133, 349]	9915	[5618, 6364]	13244	[5330, 6120]
3258	[5421, 3077]	6587	[3269, 9134]	9916	[6393, 6227]	13245	[6630, 6677]
3259	[3121, 5422]	6588	[9135, 1224]	9917	[2658, 11605]	13246	[11515, 5859]
3260	[5423, 5424]	6589	[9136, 8297]	9918	[198, 7021]	13247	[6322, 11370]
3261	[5425, 5426]	6590	[9137, 1238]	9919	[761, 5399]	13248	[6856, 10351]
3262	[5427, 5428]	6591	[9138, 9139]	9920	[10862, 6728]	13249	[5682, 12991]
3263	[5429, 2715]	6592	[9140, 9141]	9921	[6784, 11137]	13250	[715, 13115]
3264	[5430, 2378]	6593	[8960, 9142]	9922	[1806, 11474]	13251	[5936, 13151]
3265	[1821, 5431]	6594	[9143, 8738]	9923	[7536, 51]	13252	[1936, 2675]
3266	[607, 5432]	6595	[9144, 9145]	9924	[937, 6711]	13253	[6377, 2747]
3267	[852, 5433]	6596	[9146, 1718]	9925	[7593, 6504]	13254	[2513, 10233]
3268	[5434, 195]	6597	[9147, 9148]	9926	[6069, 5940]	13255	[2937, 2502]
3269	[5435, 843]	6598	[9149, 3668]	9927	[11606, 11607]	13256	[2368, 13307]
3270	[5436, 5437]	6599	[9150, 7971]	9928	[11322, 11543]	13257	[179, 3096]
3271	[5438, 1988]	6600	[5136, 9151]	9929	[11608, 10948]	13258	[7360, 10989]
3272	[5439, 5440]	6601	[9027, 9152]	9930	[6012, 7499]	13259	[6977, 11537]
3273	[5441, 2823]	6602	[9153, 4965]	9931	[10839, 11609]	13260	[10480, 155]
3274	[5442, 511]	6603	[9154, 3214]	9932	[6875, 11585]	13261	[13032, 7298]
3275	[5443, 2874]	6604	[3802, 9155]	9933	[11610, 1862]	13262	[5859, 506]
3276	[5444, 5445]	6605	[9156, 3613]	9934	[11611, 11612]	13263	[7089, 13153]
3277	[5446, 2049]	6606	[9157, 9158]	9935	[11504, 11613]	13264	[649, 13309]
3278	[5447, 5448]	6607	[9159, 1381]	9936	[11089, 11310]	13265	[6137, 5744]
3279	[5449, 5450]	6608	[9160, 4287]	9937	[11614, 603]	13266	[2343, 10747]
3280	[5451, 5452]	6609	[8939, 3800]	9938	[10302, 11615]	13267	[10263, 597]
3281	[725, 5453]	6610	[9161, 3845]	9939	[6616, 200]	13268	[214, 13165]
3282	[5454, 5455]	6611	[9162, 9163]	9940	[2244, 11616]	13269	[6979, 13075]
3283	[1902, 827]	6612	[9164, 9165]	9941	[7489, 6441]	13270	[2376, 10832]
3284	[128, 5456]	6613	[9166, 5162]	9942	[6342, 5351]	13271	[5336, 7558]
3285	[5457, 5458]	6614	[9167, 1150]	9943	[11349, 10495]	13272	[900, 554]
3286	[492, 2974]	6615	[9168, 3248]	9944	[5348, 11617]	13273	[46, 13082]
3287	[5459, 1919]	6616	[9169, 397]	9945	[11618, 6480]	13274	[6652, 11682]
3288	[5460, 2366]	6617	[8041, 9170]	9946	[10928, 11154]	13275	[6091, 11409]
3289	[5461, 2216]	6618	[3570, 8102]	9947	[2541, 5993]	13276	[12954, 2367]
3290	[5462, 5463]	6619	[4263, 1276]	9948	[10799, 10397]	13277	[11050, 11483]
3291	[5464, 5465]	6620	[3976, 9171]	9949	[2194, 6014]	13278	[13020, 6563]

3292	[5466, 3114]	6621	[9172, 1383]	9950	[5683, 11619]	13279	[13081, 13163]
3293	[5467, 5468]	6622	[9173, 9174]	9951	[6506, 2257]	13280	[2815, 10658]
3294	[2269, 2409]	6623	[9175, 9176]	9952	[10605, 7462]	13281	[10851, 5858]
3295	[5469, 5470]	6624	[9177, 312]	9953	[10226, 11620]	13282	[648, 2886]
3296	[5471, 788]	6625	[9178, 9113]	9954	[5323, 7502]	13283	[589, 3161]
3297	[765, 5472]	6626	[9179, 9073]	9955	[11621, 11622]	13284	[12966, 11542]
3298	[767, 5473]	6627	[9180, 4765]	9956	[11623, 519]	13285	[10449, 3141]
3299	[5474, 5475]	6628	[9181, 9182]	9957	[683, 2343]	13286	[2720, 2602]
3300	[5476, 5477]	6629	[9183, 9184]	9958	[1880, 2208]	13287	[1808, 5712]
3301	[2832, 5478]	6630	[9185, 8383]	9959	[11624, 2991]	13288	[13039, 12963]
3302	[912, 5479]	6631	[4678, 7884]	9960	[6888, 704]	13289	[818, 13309]
3303	[5480, 5481]	6632	[4481, 7730]	9961	[11180, 2090]	13290	[5724, 5341]
3304	[2887, 5482]	6633	[9186, 4025]	9962	[11625, 10237]	13291	[2412, 11530]
3305	[5483, 159]	6634	[4280, 9187]	9963	[7265, 7609]	13292	[5394, 11308]
3306	[5484, 5485]	6635	[9188, 9189]	9964	[11413, 10218]	13293	[11075, 2067]
3307	[5486, 5487]	6636	[9190, 9191]	9965	[7220, 2221]	13294	[10166, 13144]
3308	[2289, 629]	6637	[9192, 9059]	9966	[11626, 11627]	13295	[11292, 7306]
3309	[5488, 5489]	6638	[4501, 9193]	9967	[788, 5794]	13296	[6696, 13141]
3310	[5490, 5491]	6639	[9194, 4152]	9968	[7641, 5361]	13297	[11655, 10569]
3311	[5492, 5493]	6640	[9195, 3298]	9969	[11628, 2653]	13298	[11055, 645]
3312	[5494, 2938]	6641	[9196, 9197]	9970	[11629, 6515]	13299	[5446, 5638]
3313	[5495, 5496]	6642	[1789, 4503]	9971	[11630, 2945]	13300	[11065, 5312]
3314	[5497, 5498]	6643	[9198, 9199]	9972	[10680, 7384]	13301	[2363, 6316]
3315	[5499, 5500]	6644	[9200, 8910]	9973	[11005, 1802]	13302	[6635, 12959]
3316	[5501, 5502]	6645	[9201, 8933]	9974	[11548, 11489]	13303	[6877, 13161]
3317	[5503, 2942]	6646	[1642, 1677]	9975	[5946, 7410]	13304	[11627, 11309]
3318	[5504, 5505]	6647	[9202, 3873]	9976	[7254, 11631]	13305	[660, 6328]
3319	[2596, 5506]	6648	[9203, 9204]	9977	[7312, 1843]	13306	[11186, 13147]
3320	[5507, 5508]	6649	[9205, 9206]	9978	[11632, 11487]	13307	[13310, 9139]
3321	[5509, 5510]	6650	[958, 9207]	9979	[2369, 11633]	13308	[13311, 3796]
3322	[5511, 5512]	6651	[9208, 4713]	9980	[7529, 11147]	13309	[13312, 8970]
3323	[5513, 5514]	6652	[9209, 8449]	9981	[6949, 11634]	13310	[10486, 2496]
3324	[5515, 5516]	6653	[9210, 4894]	9982	[11635, 2645]	13311	[7558, 571]
3325	[5517, 5358]	6654	[9211, 1354]	9983	[11392, 11636]	13312	[929, 7219]
3326	[5518, 5519]	6655	[9212, 5215]	9984	[10290, 10195]		
3327	[5520, 5521]	6656	[9213, 9214]	9985	[6892, 6918]		
3328	[5522, 5523]	6657	[9215, 1064]	9986	[11372, 11637]		

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	2219	1	4438	0	6657	1	8876	0	11095	0
1	0	2220	0	4439	1	6658	1	8877	1	11096	1
2	0	2221	0	4440	1	6659	0	8878	0	11097	1
3	0	2222	1	4441	1	6660	1	8879	0	11098	0

4	0	2223	1	4442	0	6661	1	8880	1	11099	0
5	0	2224	1	4443	0	6662	1	8881	1	11100	0
6	1	2225	0	4444	1	6663	0	8882	0	11101	1
7	0	2226	0	4445	1	6664	0	8883	0	11102	1
8	1	2227	1	4446	0	6665	0	8884	1	11103	0
9	0	2228	1	4447	1	6666	1	8885	1	11104	0
10	0	2229	0	4448	1	6667	0	8886	0	11105	1
11	0	2230	1	4449	1	6668	0	8887	1	11106	0
12	1	2231	1	4450	0	6669	1	8888	1	11107	1
13	1	2232	0	4451	0	6670	0	8889	1	11108	1
14	1	2233	1	4452	1	6671	1	8890	0	11109	1
15	0	2234	0	4453	0	6672	0	8891	0	11110	0
16	0	2235	1	4454	1	6673	0	8892	1	11111	1
17	1	2236	0	4455	1	6674	0	8893	1	11112	0
18	1	2237	1	4456	1	6675	0	8894	1	11113	0
19	0	2238	1	4457	1	6676	1	8895	1	11114	0
20	0	2239	1	4458	1	6677	1	8896	0	11115	0
21	0	2240	1	4459	0	6678	0	8897	0	11116	1
22	1	2241	0	4460	1	6679	1	8898	1	11117	0
23	0	2242	0	4461	1	6680	1	8899	1	11118	1
24	1	2243	1	4462	0	6681	1	8900	0	11119	1
25	1	2244	0	4463	1	6682	0	8901	1	11120	1
26	1	2245	0	4464	1	6683	0	8902	1	11121	1
27	1	2246	0	4465	1	6684	1	8903	0	11122	0
28	0	2247	0	4466	1	6685	0	8904	0	11123	0
29	1	2248	1	4467	0	6686	1	8905	0	11124	0
30	0	2249	1	4468	1	6687	1	8906	1	11125	0
31	0	2250	1	4469	0	6688	1	8907	0	11126	1
32	1	2251	1	4470	1	6689	0	8908	0	11127	0
33	0	2252	1	4471	1	6690	0	8909	1	11128	1
34	0	2253	0	4472	0	6691	1	8910	1	11129	0
35	1	2254	1	4473	0	6692	0	8911	0	11130	0
36	0	2255	1	4474	0	6693	0	8912	0	11131	1
37	1	2256	0	4475	1	6694	0	8913	1	11132	0
38	0	2257	0	4476	0	6695	1	8914	1	11133	1
39	0	2258	0	4477	1	6696	0	8915	1	11134	0
40	0	2259	1	4478	1	6697	1	8916	0	11135	0
41	0	2260	0	4479	1	6698	1	8917	1	11136	1
42	1	2261	1	4480	0	6699	0	8918	0	11137	1
43	0	2262	0	4481	1	6700	1	8919	0	11138	0
44	1	2263	1	4482	1	6701	0	8920	1	11139	0
45	1	2264	1	4483	0	6702	0	8921	0	11140	1
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317	1	2536	0	4755	0	6974	1	9193	0	11412	1
318	1	2537	1	4756	0	6975	0	9194	0	11413	0
319	0	2538	1	4757	0	6976	0	9195	0	11414	0
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321	0	2540	0	4759	0	6978	0	9197	0	11416	0
322	0	2541	1	4760	1	6979	0	9198	0	11417	0
323	0	2542	1	4761	1	6980	0	9199	0	11418	1
324	0	2543	0	4762	1	6981	0	9200	0	11419	1
325	0	2544	0	4763	1	6982	0	9201	1	11420	1
326	0	2545	1	4764	1	6983	0	9202	0	11421	0
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329	1	2548	1	4767	1	6986	0	9205	0	11424	0
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331	0	2550	1	4769	0	6988	0	9207	0	11426	0
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337	0	2556	0	4775	1	6994	1	9213	1	11432	0
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339	0	2558	1	4777	0	6996	0	9215	1	11434	1
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343	1	2562	0	4781	1	7000	0	9219	1	11438	0
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592	1	2811	1	5030	0	7249	0	9468	0	11687	0
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723	1	2942	0	5161	0	7380	0	9599	1	11818	1
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731	1	2950	0	5169	1	7388	1	9607	0	11826	1
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733	1	2952	0	5171	0	7390	0	9609	0	11828	0
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741	1	2960	0	5179	1	7398	0	9617	1	11836	1
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856	1	3075	0	5294	1	7513	0	9732	0	11951	1
857	1	3076	0	5295	0	7514	1	9733	0	11952	0
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860	1	3079	1	5298	1	7517	1	9736	1	11955	1
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862	0	3081	1	5300	1	7519	0	9738	0	11957	0
863	0	3082	0	5301	1	7520	0	9739	0	11958	1
864	0	3083	0	5302	1	7521	1	9740	1	11959	0
865	0	3084	0	5303	1	7522	1	9741	0	11960	0
866	1	3085	1	5304	0	7523	1	9742	0	11961	0
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868	1	3087	1	5306	1	7525	1	9744	1	11963	0
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870	0	3089	0	5308	1	7527	0	9746	0	11965	1
871	1	3090	0	5309	1	7528	1	9747	0	11966	1
872	0	3091	1	5310	1	7529	0	9748	0	11967	0
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874	0	3093	0	5312	0	7531	0	9750	1	11969	0
875	1	3094	0	5313	1	7532	0	9751	1	11970	1
876	0	3095	1	5314	1	7533	0	9752	1	11971	0
877	1	3096	0	5315	1	7534	0	9753	1	11972	1
878	0	3097	1	5316	0	7535	0	9754	0	11973	0
879	0	3098	0	5317	1	7536	1	9755	1	11974	1
880	0	3099	1	5318	1	7537	0	9756	0	11975	1
881	1	3100	0	5319	0	7538	1	9757	1	11976	0
882	0	3101	1	5320	0	7539	0	9758	0	11977	0
883	1	3102	0	5321	0	7540	1	9759	1	11978	1

884	1	3103	0	5322	0	7541	0	9760	1	11979	0
885	0	3104	0	5323	1	7542	1	9761	1	11980	1
886	0	3105	0	5324	0	7543	1	9762	1	11981	1
887	0	3106	0	5325	0	7544	0	9763	1	11982	0
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890	1	3109	0	5328	1	7547	1	9766	1	11985	0
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892	0	3111	1	5330	1	7549	1	9768	0	11987	1
893	1	3112	1	5331	0	7550	0	9769	0	11988	1
894	1	3113	1	5332	1	7551	0	9770	0	11989	0
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896	1	3115	0	5334	1	7553	1	9772	0	11991	0
897	1	3116	0	5335	0	7554	0	9773	0	11992	1
898	1	3117	1	5336	1	7555	1	9774	1	11993	0
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900	0	3119	0	5338	1	7557	1	9776	1	11995	0
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903	0	3122	0	5341	1	7560	0	9779	0	11998	0
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905	0	3124	0	5343	1	7562	0	9781	1	12000	1
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908	0	3127	0	5346	1	7565	0	9784	0	12003	1
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916	0	3135	1	5354	0	7573	0	9792	1	12011	1
917	0	3136	0	5355	0	7574	1	9793	1	12012	1
918	1	3137	0	5356	1	7575	0	9794	1	12013	1
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920	0	3139	0	5358	1	7577	0	9796	1	12015	1
921	0	3140	0	5359	1	7578	0	9797	0	12016	0
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925	1	3144	0	5363	1	7582	1	9801	0	12020	0
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927	0	3146	1	5365	0	7584	1	9803	0	12022	0

928	1	3147	1	5366	1	7585	0	9804	1	12023	1
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930	0	3149	0	5368	1	7587	0	9806	1	12025	1
931	1	3150	0	5369	1	7588	1	9807	1	12026	0
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933	1	3152	0	5371	0	7590	1	9809	1	12028	0
934	0	3153	1	5372	1	7591	1	9810	1	12029	1
935	0	3154	0	5373	0	7592	0	9811	0	12030	0
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938	1	3157	0	5376	0	7595	0	9814	1	12033	0
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940	1	3159	1	5378	0	7597	0	9816	1	12035	0
941	1	3160	0	5379	0	7598	0	9817	1	12036	0
942	0	3161	0	5380	1	7599	0	9818	0	12037	0
943	0	3162	0	5381	1	7600	0	9819	0	12038	0
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945	0	3164	0	5383	1	7602	0	9821	1	12040	0
946	0	3165	0	5384	0	7603	0	9822	0	12041	0
947	0	3166	0	5385	1	7604	0	9823	1	12042	0
948	1	3167	1	5386	1	7605	0	9824	0	12043	1
949	1	3168	1	5387	0	7606	1	9825	1	12044	1
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951	0	3170	1	5389	1	7608	1	9827	0	12046	0
952	1	3171	0	5390	1	7609	0	9828	0	12047	0
953	0	3172	1	5391	0	7610	0	9829	1	12048	1
954	0	3173	1	5392	0	7611	0	9830	1	12049	1
955	1	3174	0	5393	1	7612	1	9831	1	12050	1
956	1	3175	1	5394	1	7613	1	9832	1	12051	0
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958	1	3177	1	5396	0	7615	0	9834	0	12053	1
959	1	3178	0	5397	0	7616	0	9835	1	12054	0
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961	0	3180	1	5399	1	7618	1	9837	0	12056	1
962	1	3181	1	5400	0	7619	0	9838	0	12057	0
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964	0	3183	1	5402	1	7621	1	9840	1	12059	1
965	0	3184	1	5403	0	7622	1	9841	1	12060	0
966	1	3185	1	5404	1	7623	0	9842	0	12061	1
967	1	3186	1	5405	0	7624	0	9843	0	12062	1
968	1	3187	0	5406	1	7625	1	9844	1	12063	0
969	1	3188	0	5407	1	7626	1	9845	1	12064	1
970	1	3189	1	5408	1	7627	1	9846	1	12065	0
971	0	3190	0	5409	1	7628	0	9847	0	12066	0

972	1	3191	0	5410	1	7629	0	9848	1	12067	1
973	0	3192	0	5411	1	7630	1	9849	0	12068	0
974	1	3193	1	5412	1	7631	0	9850	1	12069	0
975	0	3194	1	5413	1	7632	0	9851	0	12070	0
976	0	3195	1	5414	1	7633	0	9852	0	12071	1
977	1	3196	1	5415	0	7634	0	9853	1	12072	0
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981	1	3200	1	5419	0	7638	1	9857	0	12076	1
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984	0	3203	1	5422	1	7641	0	9860	0	12079	1
985	1	3204	0	5423	1	7642	0	9861	0	12080	0
986	1	3205	0	5424	0	7643	1	9862	0	12081	1
987	0	3206	1	5425	1	7644	0	9863	1	12082	1
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994	1	3213	1	5432	0	7651	1	9870	0	12089	0
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1004	0	3223	1	5442	1	7661	1	9880	0	12099	0
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1006	0	3225	1	5444	1	7663	0	9882	0	12101	1
1007	1	3226	0	5445	1	7664	1	9883	0	12102	0
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1011	0	3230	1	5449	1	7668	0	9887	0	12106	1
1012	0	3231	0	5450	0	7669	1	9888	1	12107	0
1013	0	3232	0	5451	0	7670	0	9889	1	12108	0
1014	0	3233	1	5452	0	7671	0	9890	1	12109	1
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1023	1	3242	1	5461	1	7680	0	9899	1	12118	1
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1106	1	3325	0	5544	1	7763	0	9982	0	12201	0
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1115	0	3334	1	5553	0	7772	0	9991	0	12210	0
1116	0	3335	0	5554	1	7773	0	9992	1	12211	0
1117	1	3336	1	5555	0	7774	0	9993	0	12212	0
1118	0	3337	0	5556	0	7775	0	9994	0	12213	1
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1384	1	3603	0	5822	1	8041	1	10260	1	12479	1
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1389	1	3608	1	5827	1	8046	1	10265	1	12484	1
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1392	1	3611	0	5830	0	8049	0	10268	1	12487	0
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1395	1	3614	0	5833	1	8052	1	10271	1	12490	0
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1399	1	3618	1	5837	0	8056	0	10275	1	12494	1
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1405	0	3624	0	5843	1	8062	1	10281	1	12500	0
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1645	1	3864	1	6083	0	8302	0	10521	1	12740	1
1646	1	3865	0	6084	0	8303	0	10522	1	12741	1
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1648	0	3867	1	6086	0	8305	1	10524	1	12743	1
1649	0	3868	0	6087	1	8306	0	10525	1	12744	0
1650	1	3869	0	6088	0	8307	1	10526	1	12745	0
1651	1	3870	0	6089	0	8308	1	10527	1	12746	0
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1654	0	3873	1	6092	0	8311	0	10530	1	12749	1
1655	1	3874	0	6093	1	8312	1	10531	1	12750	0
1656	0	3875	1	6094	0	8313	1	10532	0	12751	1
1657	1	3876	0	6095	1	8314	0	10533	1	12752	1
1658	1	3877	1	6096	1	8315	1	10534	1	12753	1
1659	1	3878	1	6097	1	8316	1	10535	0	12754	0
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1662	1	3881	1	6100	0	8319	0	10538	0	12757	0
1663	0	3882	0	6101	1	8320	1	10539	0	12758	1
1664	0	3883	1	6102	0	8321	1	10540	1	12759	1
1665	0	3884	1	6103	1	8322	1	10541	0	12760	0
1666	0	3885	1	6104	1	8323	0	10542	0	12761	1
1667	0	3886	0	6105	0	8324	0	10543	0	12762	1
1668	1	3887	0	6106	0	8325	0	10544	1	12763	0
1669	1	3888	1	6107	1	8326	1	10545	0	12764	0
1670	1	3889	1	6108	1	8327	0	10546	0	12765	1
1671	0	3890	1	6109	1	8328	0	10547	1	12766	0
1672	0	3891	0	6110	1	8329	0	10548	1	12767	0
1673	1	3892	0	6111	0	8330	0	10549	1	12768	0
1674	0	3893	1	6112	0	8331	1	10550	1	12769	0
1675	1	3894	0	6113	1	8332	0	10551	0	12770	1

1676	1	3895	1	6114	0	8333	0	10552	1	12771	0
1677	0	3896	1	6115	1	8334	0	10553	0	12772	0
1678	1	3897	0	6116	1	8335	1	10554	1	12773	0
1679	0	3898	1	6117	0	8336	0	10555	1	12774	1
1680	0	3899	0	6118	1	8337	0	10556	0	12775	0
1681	0	3900	1	6119	1	8338	1	10557	1	12776	1
1682	1	3901	0	6120	1	8339	0	10558	1	12777	0
1683	0	3902	0	6121	0	8340	0	10559	0	12778	0
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1686	1	3905	0	6124	0	8343	0	10562	0	12781	0
1687	1	3906	0	6125	1	8344	0	10563	1	12782	0
1688	0	3907	0	6126	1	8345	0	10564	0	12783	1
1689	0	3908	0	6127	1	8346	0	10565	0	12784	1
1690	0	3909	0	6128	0	8347	1	10566	1	12785	0
1691	0	3910	1	6129	1	8348	1	10567	0	12786	1
1692	1	3911	1	6130	0	8349	1	10568	0	12787	0
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1694	1	3913	1	6132	1	8351	1	10570	0	12789	1
1695	1	3914	1	6133	0	8352	0	10571	0	12790	1
1696	0	3915	0	6134	0	8353	1	10572	0	12791	0
1697	1	3916	0	6135	0	8354	1	10573	0	12792	1
1698	1	3917	1	6136	1	8355	1	10574	0	12793	1
1699	0	3918	0	6137	1	8356	0	10575	0	12794	1
1700	1	3919	1	6138	1	8357	0	10576	1	12795	0
1701	0	3920	0	6139	0	8358	1	10577	0	12796	1
1702	1	3921	0	6140	0	8359	0	10578	0	12797	0
1703	0	3922	1	6141	1	8360	0	10579	1	12798	0
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1707	0	3926	0	6145	1	8364	0	10583	0	12802	0
1708	1	3927	1	6146	1	8365	1	10584	1	12803	0
1709	0	3928	1	6147	1	8366	0	10585	1	12804	0
1710	0	3929	0	6148	1	8367	1	10586	1	12805	0
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1713	1	3932	0	6151	0	8370	0	10589	1	12808	0
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1715	0	3934	0	6153	1	8372	1	10591	1	12810	1
1716	0	3935	1	6154	1	8373	0	10592	0	12811	1
1717	1	3936	0	6155	1	8374	1	10593	0	12812	0
1718	0	3937	1	6156	0	8375	1	10594	1	12813	1
1719	1	3938	0	6157	1	8376	0	10595	0	12814	0

1720	0	3939	1	6158	0	8377	1	10596	0	12815	1
1721	0	3940	1	6159	0	8378	1	10597	1	12816	0
1722	0	3941	0	6160	0	8379	1	10598	0	12817	0
1723	0	3942	1	6161	0	8380	1	10599	0	12818	1
1724	1	3943	1	6162	1	8381	1	10600	1	12819	1
1725	0	3944	0	6163	0	8382	1	10601	0	12820	1
1726	0	3945	1	6164	0	8383	1	10602	0	12821	0
1727	0	3946	1	6165	0	8384	1	10603	1	12822	0
1728	1	3947	0	6166	1	8385	0	10604	1	12823	1
1729	1	3948	0	6167	0	8386	0	10605	1	12824	1
1730	0	3949	0	6168	1	8387	0	10606	0	12825	1
1731	0	3950	0	6169	0	8388	0	10607	1	12826	0
1732	0	3951	1	6170	1	8389	0	10608	0	12827	1
1733	0	3952	1	6171	0	8390	1	10609	0	12828	0
1734	1	3953	1	6172	0	8391	1	10610	0	12829	0
1735	0	3954	1	6173	1	8392	0	10611	1	12830	0
1736	1	3955	1	6174	1	8393	0	10612	1	12831	1
1737	1	3956	1	6175	1	8394	0	10613	1	12832	1
1738	1	3957	1	6176	1	8395	1	10614	1	12833	1
1739	0	3958	1	6177	0	8396	0	10615	0	12834	0
1740	0	3959	1	6178	1	8397	0	10616	1	12835	0
1741	0	3960	0	6179	1	8398	1	10617	1	12836	0
1742	0	3961	1	6180	1	8399	0	10618	0	12837	0
1743	0	3962	0	6181	1	8400	1	10619	0	12838	1
1744	0	3963	0	6182	1	8401	0	10620	1	12839	1
1745	0	3964	0	6183	0	8402	1	10621	1	12840	1
1746	1	3965	0	6184	0	8403	0	10622	0	12841	0
1747	0	3966	0	6185	1	8404	0	10623	0	12842	1
1748	1	3967	0	6186	1	8405	1	10624	1	12843	0
1749	0	3968	1	6187	0	8406	1	10625	1	12844	0
1750	1	3969	1	6188	0	8407	0	10626	0	12845	0
1751	1	3970	0	6189	1	8408	0	10627	0	12846	1
1752	0	3971	0	6190	0	8409	1	10628	0	12847	1
1753	1	3972	1	6191	0	8410	0	10629	1	12848	1
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1755	0	3974	0	6193	1	8412	1	10631	1	12850	1
1756	0	3975	1	6194	1	8413	1	10632	1	12851	1
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1762	1	3981	0	6200	1	8419	0	10638	0	12857	0
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1767	0	3986	0	6205	0	8424	0	10643	0	12862	1
1768	0	3987	1	6206	1	8425	1	10644	1	12863	0
1769	1	3988	0	6207	1	8426	0	10645	1	12864	0
1770	1	3989	0	6208	1	8427	0	10646	1	12865	1
1771	1	3990	0	6209	1	8428	0	10647	0	12866	0
1772	0	3991	1	6210	1	8429	0	10648	0	12867	0
1773	1	3992	1	6211	0	8430	0	10649	1	12868	1
1774	1	3993	1	6212	0	8431	1	10650	1	12869	1
1775	1	3994	0	6213	1	8432	0	10651	0	12870	1
1776	1	3995	1	6214	1	8433	0	10652	0	12871	1
1777	0	3996	0	6215	0	8434	0	10653	1	12872	0
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1779	1	3998	1	6217	1	8436	1	10655	0	12874	0
1780	1	3999	0	6218	0	8437	1	10656	0	12875	0
1781	0	4000	1	6219	1	8438	0	10657	0	12876	1
1782	0	4001	0	6220	1	8439	0	10658	1	12877	1
1783	0	4002	0	6221	1	8440	1	10659	0	12878	1
1784	0	4003	0	6222	1	8441	1	10660	1	12879	1
1785	0	4004	0	6223	0	8442	1	10661	1	12880	0
1786	1	4005	0	6224	0	8443	1	10662	1	12881	1
1787	1	4006	0	6225	1	8444	1	10663	1	12882	1
1788	0	4007	1	6226	0	8445	1	10664	0	12883	0
1789	1	4008	0	6227	0	8446	0	10665	0	12884	1
1790	0	4009	0	6228	1	8447	0	10666	1	12885	0
1791	1	4010	0	6229	0	8448	1	10667	0	12886	1
1792	1	4011	0	6230	1	8449	1	10668	1	12887	0
1793	1	4012	0	6231	0	8450	0	10669	0	12888	0
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1795	0	4014	0	6233	1	8452	1	10671	0	12890	0
1796	1	4015	0	6234	0	8453	0	10672	1	12891	0
1797	1	4016	1	6235	1	8454	0	10673	1	12892	0
1798	1	4017	1	6236	0	8455	1	10674	0	12893	1
1799	0	4018	0	6237	0	8456	0	10675	1	12894	0
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1802	0	4021	1	6240	0	8459	0	10678	0	12897	1
1803	1	4022	1	6241	1	8460	0	10679	1	12898	0
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1805	0	4024	1	6243	0	8462	1	10681	1	12900	0
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1808	1	4027	1	6246	0	8465	1	10684	1	12903	1
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1811	1	4030	0	6249	0	8468	0	10687	0	12906	0
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1816	0	4035	0	6254	0	8473	1	10692	1	12911	1
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1818	0	4037	0	6256	1	8475	0	10694	1	12913	1
1819	1	4038	0	6257	0	8476	0	10695	1	12914	0
1820	1	4039	0	6258	0	8477	0	10696	0	12915	1
1821	0	4040	1	6259	0	8478	0	10697	1	12916	0
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1824	0	4043	1	6262	1	8481	0	10700	0	12919	1
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1826	1	4045	0	6264	0	8483	0	10702	1	12921	1
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1830	1	4049	1	6268	1	8487	0	10706	0	12925	0
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1837	1	4056	0	6275	0	8494	1	10713	0	12932	1
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1843	1	4062	0	6281	1	8500	0	10719	0	12938	0
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1845	1	4064	0	6283	1	8502	0	10721	1	12940	0
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1847	1	4066	0	6285	0	8504	1	10723	1	12942	1
1848	1	4067	1	6286	1	8505	0	10724	0	12943	0
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1854	0	4073	0	6292	1	8511	1	10730	0	12949	0
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1856	1	4075	1	6294	1	8513	0	10732	1	12951	1
1857	0	4076	0	6295	0	8514	1	10733	0	12952	1
1858	0	4077	0	6296	1	8515	0	10734	1	12953	0
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1882	1	4101	0	6320	1	8539	1	10758	1	12977	0
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1886	0	4105	1	6324	0	8543	0	10762	1	12981	1
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1893	0	4112	0	6331	1	8550	1	10769	1	12988	1
1894	0	4113	0	6332	0	8551	0	10770	1	12989	0
1895	1	4114	1	6333	0	8552	0	10771	1	12990	1

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1897	1	4116	1	6335	0	8554	0	10773	0	12992	0
1898	0	4117	1	6336	1	8555	0	10774	1	12993	0
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1901	1	4120	0	6339	0	8558	0	10777	0	12996	1
1902	0	4121	1	6340	0	8559	1	10778	0	12997	0
1903	0	4122	1	6341	1	8560	1	10779	1	12998	1
1904	0	4123	1	6342	1	8561	0	10780	0	12999	1
1905	0	4124	1	6343	0	8562	0	10781	0	13000	1
1906	1	4125	0	6344	1	8563	1	10782	0	13001	0
1907	0	4126	1	6345	1	8564	0	10783	1	13002	0
1908	0	4127	0	6346	0	8565	1	10784	0	13003	1
1909	0	4128	1	6347	1	8566	0	10785	0	13004	0
1910	1	4129	1	6348	1	8567	1	10786	1	13005	0
1911	0	4130	0	6349	1	8568	1	10787	1	13006	1
1912	1	4131	1	6350	0	8569	1	10788	1	13007	1
1913	1	4132	1	6351	1	8570	0	10789	1	13008	0
1914	0	4133	0	6352	1	8571	1	10790	0	13009	1
1915	1	4134	0	6353	0	8572	1	10791	1	13010	0
1916	1	4135	1	6354	0	8573	1	10792	0	13011	0
1917	1	4136	0	6355	1	8574	0	10793	1	13012	0
1918	0	4137	1	6356	1	8575	1	10794	1	13013	1
1919	0	4138	0	6357	0	8576	1	10795	1	13014	0
1920	1	4139	1	6358	1	8577	0	10796	1	13015	0
1921	0	4140	1	6359	1	8578	1	10797	1	13016	1
1922	1	4141	0	6360	1	8579	1	10798	0	13017	1
1923	0	4142	0	6361	0	8580	1	10799	0	13018	0
1924	0	4143	0	6362	1	8581	1	10800	0	13019	0
1925	1	4144	0	6363	0	8582	0	10801	1	13020	1
1926	0	4145	1	6364	0	8583	1	10802	1	13021	0
1927	1	4146	1	6365	1	8584	0	10803	0	13022	0
1928	1	4147	0	6366	1	8585	0	10804	1	13023	0
1929	1	4148	0	6367	1	8586	1	10805	0	13024	0
1930	0	4149	1	6368	0	8587	0	10806	1	13025	0
1931	1	4150	1	6369	1	8588	1	10807	0	13026	0
1932	1	4151	1	6370	1	8589	1	10808	0	13027	0
1933	1	4152	1	6371	0	8590	0	10809	0	13028	0
1934	1	4153	0	6372	1	8591	1	10810	0	13029	1
1935	0	4154	1	6373	0	8592	0	10811	1	13030	0
1936	0	4155	0	6374	0	8593	0	10812	1	13031	0
1937	1	4156	1	6375	0	8594	1	10813	0	13032	0
1938	0	4157	1	6376	0	8595	1	10814	1	13033	0
1939	1	4158	0	6377	0	8596	0	10815	0	13034	0

1940	0	4159	0	6378	1	8597	1	10816	0	13035	0
1941	1	4160	1	6379	1	8598	1	10817	0	13036	0
1942	0	4161	1	6380	0	8599	0	10818	1	13037	1
1943	1	4162	0	6381	0	8600	0	10819	0	13038	0
1944	1	4163	1	6382	1	8601	0	10820	0	13039	1
1945	0	4164	1	6383	0	8602	0	10821	0	13040	1
1946	1	4165	0	6384	0	8603	0	10822	0	13041	1
1947	0	4166	0	6385	0	8604	1	10823	0	13042	0
1948	0	4167	1	6386	1	8605	0	10824	0	13043	1
1949	0	4168	1	6387	1	8606	1	10825	1	13044	0
1950	1	4169	1	6388	1	8607	0	10826	1	13045	0
1951	1	4170	0	6389	1	8608	0	10827	0	13046	0
1952	1	4171	1	6390	0	8609	1	10828	0	13047	0
1953	0	4172	0	6391	0	8610	1	10829	1	13048	0
1954	0	4173	1	6392	1	8611	1	10830	1	13049	1
1955	0	4174	1	6393	1	8612	0	10831	1	13050	0
1956	0	4175	1	6394	1	8613	1	10832	0	13051	1
1957	1	4176	1	6395	1	8614	0	10833	1	13052	0
1958	0	4177	0	6396	0	8615	0	10834	1	13053	1
1959	0	4178	0	6397	1	8616	1	10835	0	13054	0
1960	0	4179	1	6398	0	8617	1	10836	1	13055	0
1961	1	4180	1	6399	1	8618	0	10837	0	13056	1
1962	0	4181	1	6400	0	8619	0	10838	1	13057	1
1963	1	4182	0	6401	0	8620	1	10839	0	13058	1
1964	0	4183	0	6402	0	8621	1	10840	1	13059	1
1965	1	4184	1	6403	0	8622	0	10841	0	13060	1
1966	1	4185	0	6404	0	8623	0	10842	1	13061	1
1967	0	4186	1	6405	0	8624	1	10843	1	13062	1
1968	0	4187	0	6406	0	8625	0	10844	1	13063	1
1969	1	4188	0	6407	0	8626	1	10845	0	13064	0
1970	1	4189	0	6408	0	8627	0	10846	1	13065	0
1971	0	4190	1	6409	0	8628	1	10847	1	13066	0
1972	1	4191	0	6410	1	8629	1	10848	1	13067	0
1973	0	4192	1	6411	1	8630	0	10849	1	13068	1
1974	0	4193	1	6412	1	8631	1	10850	0	13069	0
1975	0	4194	0	6413	0	8632	0	10851	1	13070	1
1976	1	4195	0	6414	1	8633	0	10852	1	13071	0
1977	0	4196	0	6415	1	8634	1	10853	1	13072	1
1978	0	4197	0	6416	1	8635	0	10854	0	13073	0
1979	1	4198	0	6417	1	8636	1	10855	0	13074	1
1980	1	4199	0	6418	0	8637	0	10856	0	13075	1
1981	1	4200	1	6419	0	8638	0	10857	1	13076	1
1982	1	4201	1	6420	1	8639	0	10858	0	13077	0
1983	0	4202	1	6421	1	8640	0	10859	0	13078	0

1984	1	4203	1	6422	1	8641	0	10860	0	13079	1
1985	0	4204	1	6423	1	8642	1	10861	0	13080	0
1986	1	4205	0	6424	0	8643	1	10862	1	13081	1
1987	0	4206	0	6425	1	8644	1	10863	0	13082	0
1988	0	4207	1	6426	1	8645	0	10864	1	13083	1
1989	0	4208	1	6427	0	8646	1	10865	1	13084	0
1990	1	4209	0	6428	0	8647	0	10866	0	13085	0
1991	0	4210	0	6429	0	8648	1	10867	0	13086	0
1992	0	4211	1	6430	1	8649	0	10868	0	13087	0
1993	0	4212	1	6431	1	8650	0	10869	0	13088	1
1994	1	4213	1	6432	0	8651	0	10870	1	13089	0
1995	1	4214	1	6433	0	8652	0	10871	1	13090	1
1996	0	4215	0	6434	0	8653	0	10872	1	13091	0
1997	0	4216	1	6435	1	8654	0	10873	1	13092	1
1998	1	4217	1	6436	0	8655	0	10874	1	13093	1
1999	0	4218	0	6437	0	8656	1	10875	0	13094	0
2000	0	4219	0	6438	1	8657	1	10876	1	13095	0
2001	1	4220	0	6439	1	8658	0	10877	0	13096	0
2002	0	4221	1	6440	0	8659	0	10878	0	13097	0
2003	1	4222	0	6441	1	8660	0	10879	0	13098	1
2004	0	4223	1	6442	0	8661	1	10880	0	13099	0
2005	0	4224	1	6443	0	8662	0	10881	0	13100	0
2006	0	4225	0	6444	0	8663	1	10882	1	13101	0
2007	1	4226	1	6445	0	8664	0	10883	0	13102	1
2008	1	4227	0	6446	1	8665	1	10884	1	13103	0
2009	0	4228	1	6447	1	8666	0	10885	1	13104	0
2010	1	4229	0	6448	1	8667	0	10886	0	13105	0
2011	1	4230	1	6449	1	8668	0	10887	0	13106	1
2012	1	4231	0	6450	1	8669	1	10888	1	13107	1
2013	1	4232	1	6451	1	8670	0	10889	0	13108	1
2014	1	4233	1	6452	0	8671	1	10890	1	13109	1
2015	1	4234	0	6453	0	8672	1	10891	1	13110	0
2016	1	4235	0	6454	0	8673	1	10892	0	13111	0
2017	0	4236	1	6455	1	8674	1	10893	0	13112	1
2018	1	4237	1	6456	0	8675	1	10894	0	13113	1
2019	0	4238	1	6457	1	8676	0	10895	1	13114	1
2020	1	4239	0	6458	0	8677	1	10896	1	13115	0
2021	1	4240	0	6459	0	8678	1	10897	1	13116	1
2022	0	4241	1	6460	1	8679	0	10898	0	13117	1
2023	1	4242	0	6461	1	8680	0	10899	1	13118	1
2024	0	4243	0	6462	0	8681	0	10900	1	13119	0
2025	1	4244	0	6463	0	8682	0	10901	0	13120	0
2026	1	4245	0	6464	1	8683	1	10902	1	13121	0
2027	0	4246	0	6465	0	8684	0	10903	1	13122	1

2028	1	4247	0	6466	1	8685	0	10904	1	13123	1
2029	1	4248	0	6467	1	8686	0	10905	0	13124	0
2030	0	4249	0	6468	0	8687	1	10906	1	13125	1
2031	0	4250	0	6469	0	8688	0	10907	1	13126	1
2032	1	4251	0	6470	1	8689	0	10908	0	13127	1
2033	0	4252	0	6471	0	8690	1	10909	1	13128	0
2034	1	4253	0	6472	1	8691	0	10910	0	13129	0
2035	0	4254	1	6473	0	8692	1	10911	0	13130	0
2036	0	4255	1	6474	1	8693	0	10912	0	13131	0
2037	1	4256	0	6475	1	8694	0	10913	1	13132	1
2038	1	4257	1	6476	1	8695	1	10914	1	13133	1
2039	0	4258	1	6477	0	8696	0	10915	0	13134	1
2040	1	4259	0	6478	0	8697	1	10916	0	13135	1
2041	0	4260	1	6479	0	8698	1	10917	1	13136	1
2042	1	4261	1	6480	1	8699	1	10918	0	13137	1
2043	1	4262	1	6481	1	8700	0	10919	1	13138	0
2044	1	4263	0	6482	0	8701	1	10920	0	13139	1
2045	0	4264	0	6483	1	8702	1	10921	1	13140	0
2046	1	4265	1	6484	1	8703	1	10922	1	13141	0
2047	1	4266	1	6485	1	8704	1	10923	0	13142	1
2048	1	4267	0	6486	0	8705	1	10924	1	13143	1
2049	1	4268	0	6487	0	8706	1	10925	1	13144	0
2050	0	4269	1	6488	1	8707	0	10926	1	13145	0
2051	1	4270	0	6489	1	8708	1	10927	1	13146	0
2052	1	4271	1	6490	1	8709	0	10928	0	13147	1
2053	0	4272	0	6491	0	8710	1	10929	1	13148	1
2054	0	4273	1	6492	1	8711	0	10930	1	13149	0
2055	0	4274	1	6493	0	8712	1	10931	0	13150	0
2056	0	4275	1	6494	1	8713	0	10932	0	13151	0
2057	1	4276	0	6495	0	8714	0	10933	0	13152	0
2058	1	4277	0	6496	1	8715	0	10934	1	13153	1
2059	1	4278	1	6497	0	8716	0	10935	1	13154	1
2060	0	4279	1	6498	1	8717	0	10936	0	13155	1
2061	0	4280	1	6499	1	8718	0	10937	1	13156	1
2062	1	4281	1	6500	1	8719	0	10938	0	13157	1
2063	0	4282	0	6501	0	8720	1	10939	1	13158	0
2064	0	4283	0	6502	1	8721	1	10940	1	13159	1
2065	1	4284	1	6503	0	8722	1	10941	0	13160	1
2066	0	4285	0	6504	1	8723	0	10942	0	13161	0
2067	0	4286	1	6505	0	8724	1	10943	1	13162	1
2068	0	4287	1	6506	0	8725	0	10944	1	13163	1
2069	1	4288	0	6507	1	8726	1	10945	0	13164	1
2070	1	4289	0	6508	1	8727	1	10946	1	13165	0
2071	1	4290	0	6509	0	8728	1	10947	0	13166	1

2072	1	4291	1	6510	0	8729	0	10948	1	13167	1
2073	1	4292	0	6511	0	8730	0	10949	1	13168	1
2074	1	4293	0	6512	0	8731	1	10950	1	13169	0
2075	1	4294	0	6513	0	8732	1	10951	0	13170	0
2076	0	4295	0	6514	0	8733	1	10952	0	13171	1
2077	0	4296	0	6515	1	8734	1	10953	0	13172	1
2078	0	4297	0	6516	0	8735	0	10954	0	13173	1
2079	0	4298	1	6517	1	8736	0	10955	1	13174	1
2080	0	4299	0	6518	0	8737	1	10956	0	13175	0
2081	0	4300	1	6519	1	8738	1	10957	1	13176	1
2082	1	4301	1	6520	1	8739	1	10958	0	13177	1
2083	1	4302	1	6521	1	8740	1	10959	1	13178	1
2084	0	4303	1	6522	1	8741	1	10960	0	13179	1
2085	0	4304	0	6523	1	8742	0	10961	1	13180	1
2086	0	4305	1	6524	1	8743	1	10962	1	13181	0
2087	1	4306	1	6525	0	8744	1	10963	1	13182	1
2088	1	4307	1	6526	0	8745	0	10964	0	13183	0
2089	1	4308	0	6527	1	8746	1	10965	0	13184	0
2090	1	4309	0	6528	1	8747	1	10966	1	13185	1
2091	0	4310	1	6529	0	8748	1	10967	1	13186	1
2092	0	4311	0	6530	1	8749	1	10968	1	13187	0
2093	0	4312	1	6531	0	8750	1	10969	1	13188	1
2094	0	4313	1	6532	1	8751	0	10970	0	13189	0
2095	1	4314	1	6533	0	8752	0	10971	1	13190	1
2096	1	4315	0	6534	0	8753	1	10972	1	13191	1
2097	0	4316	0	6535	1	8754	1	10973	0	13192	1
2098	1	4317	1	6536	1	8755	0	10974	1	13193	0
2099	0	4318	0	6537	0	8756	0	10975	0	13194	1
2100	0	4319	1	6538	1	8757	0	10976	0	13195	0
2101	0	4320	0	6539	1	8758	0	10977	1	13196	1
2102	0	4321	0	6540	0	8759	1	10978	0	13197	1
2103	0	4322	1	6541	1	8760	1	10979	0	13198	0
2104	0	4323	0	6542	1	8761	0	10980	1	13199	0
2105	1	4324	1	6543	0	8762	0	10981	0	13200	1
2106	0	4325	1	6544	0	8763	0	10982	0	13201	0
2107	1	4326	1	6545	0	8764	0	10983	1	13202	1
2108	0	4327	1	6546	0	8765	0	10984	0	13203	0
2109	1	4328	1	6547	1	8766	1	10985	1	13204	0
2110	1	4329	0	6548	1	8767	0	10986	1	13205	1
2111	1	4330	0	6549	0	8768	0	10987	0	13206	1
2112	0	4331	1	6550	0	8769	1	10988	1	13207	1
2113	1	4332	0	6551	1	8770	0	10989	0	13208	0
2114	1	4333	1	6552	0	8771	1	10990	1	13209	0
2115	0	4334	0	6553	1	8772	0	10991	0	13210	0

2116	1	4335	0	6554	0	8773	1	10992	1	13211	0
2117	1	4336	0	6555	1	8774	1	10993	1	13212	1
2118	0	4337	0	6556	0	8775	1	10994	0	13213	1
2119	0	4338	0	6557	0	8776	0	10995	1	13214	0
2120	1	4339	1	6558	0	8777	1	10996	1	13215	0
2121	1	4340	0	6559	1	8778	1	10997	0	13216	0
2122	0	4341	1	6560	0	8779	0	10998	0	13217	0
2123	1	4342	1	6561	0	8780	0	10999	1	13218	0
2124	0	4343	1	6562	0	8781	1	11000	0	13219	0
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2126	1	4345	0	6564	0	8783	1	11002	1	13221	1
2127	1	4346	0	6565	0	8784	1	11003	1	13222	0
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2130	0	4349	1	6568	0	8787	1	11006	1	13225	0
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2132	1	4351	1	6570	0	8789	0	11008	1	13227	0
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2136	1	4355	1	6574	0	8793	0	11012	0	13231	0
2137	0	4356	0	6575	0	8794	0	11013	1	13232	0
2138	0	4357	1	6576	1	8795	0	11014	0	13233	0
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2140	0	4359	0	6578	1	8797	0	11016	1	13235	1
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2143	1	4362	0	6581	1	8800	1	11019	0	13238	0
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2145	0	4364	1	6583	0	8802	0	11021	1	13240	0
2146	1	4365	0	6584	1	8803	1	11022	0	13241	1
2147	0	4366	1	6585	0	8804	0	11023	1	13242	1
2148	1	4367	1	6586	0	8805	1	11024	1	13243	0
2149	0	4368	1	6587	0	8806	0	11025	1	13244	1
2150	1	4369	1	6588	1	8807	0	11026	1	13245	0
2151	0	4370	0	6589	1	8808	1	11027	0	13246	0
2152	0	4371	0	6590	1	8809	1	11028	1	13247	1
2153	1	4372	1	6591	1	8810	1	11029	1	13248	0
2154	0	4373	1	6592	1	8811	0	11030	0	13249	1
2155	0	4374	0	6593	1	8812	0	11031	1	13250	0
2156	1	4375	0	6594	0	8813	1	11032	1	13251	1
2157	0	4376	0	6595	1	8814	1	11033	0	13252	0
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2160	1	4379	1	6598	0	8817	0	11036	1	13255	1
2161	0	4380	0	6599	1	8818	1	11037	0	13256	0
2162	0	4381	1	6600	1	8819	0	11038	1	13257	1
2163	1	4382	0	6601	0	8820	1	11039	1	13258	0
2164	0	4383	1	6602	0	8821	1	11040	1	13259	1
2165	1	4384	1	6603	1	8822	0	11041	1	13260	0
2166	1	4385	1	6604	1	8823	0	11042	1	13261	0
2167	1	4386	0	6605	0	8824	1	11043	1	13262	0
2168	0	4387	0	6606	1	8825	1	11044	0	13263	0
2169	1	4388	0	6607	0	8826	1	11045	1	13264	0
2170	1	4389	1	6608	1	8827	0	11046	1	13265	1
2171	1	4390	1	6609	1	8828	0	11047	1	13266	1
2172	1	4391	1	6610	0	8829	1	11048	0	13267	1
2173	1	4392	1	6611	1	8830	1	11049	0	13268	1
2174	0	4393	0	6612	1	8831	1	11050	0	13269	0
2175	0	4394	1	6613	1	8832	1	11051	1	13270	0
2176	0	4395	0	6614	1	8833	0	11052	1	13271	1
2177	1	4396	0	6615	0	8834	1	11053	0	13272	0
2178	0	4397	1	6616	0	8835	0	11054	0	13273	1
2179	1	4398	0	6617	1	8836	1	11055	0	13274	1
2180	1	4399	1	6618	0	8837	1	11056	0	13275	1
2181	1	4400	1	6619	0	8838	1	11057	0	13276	1
2182	0	4401	1	6620	0	8839	1	11058	0	13277	0
2183	1	4402	1	6621	0	8840	1	11059	0	13278	1
2184	1	4403	1	6622	0	8841	0	11060	0	13279	1
2185	0	4404	1	6623	0	8842	1	11061	1	13280	0
2186	0	4405	0	6624	0	8843	0	11062	1	13281	1
2187	0	4406	0	6625	0	8844	1	11063	1	13282	1
2188	0	4407	1	6626	0	8845	1	11064	1	13283	0
2189	1	4408	0	6627	0	8846	1	11065	0	13284	0
2190	0	4409	1	6628	1	8847	1	11066	0	13285	0
2191	1	4410	1	6629	0	8848	1	11067	1	13286	0
2192	0	4411	0	6630	0	8849	1	11068	1	13287	1
2193	0	4412	1	6631	0	8850	0	11069	1	13288	1
2194	1	4413	1	6632	1	8851	1	11070	0	13289	1
2195	0	4414	0	6633	0	8852	1	11071	1	13290	0
2196	0	4415	1	6634	1	8853	0	11072	0	13291	1
2197	1	4416	0	6635	0	8854	1	11073	0	13292	1
2198	1	4417	1	6636	1	8855	0	11074	0	13293	0
2199	1	4418	0	6637	1	8856	0	11075	0	13294	0
2200	1	4419	0	6638	1	8857	0	11076	0	13295	1
2201	1	4420	1	6639	0	8858	1	11077	1	13296	0
2202	1	4421	0	6640	0	8859	1	11078	0	13297	0
2203	1	4422	1	6641	1	8860	0	11079	0	13298	0

2204	1	4423	0	6642	1	8861	1	11080	1	13299	1
2205	0	4424	1	6643	0	8862	0	11081	0	13300	0
2206	0	4425	1	6644	0	8863	0	11082	1	13301	1
2207	0	4426	0	6645	1	8864	1	11083	1	13302	0
2208	0	4427	0	6646	0	8865	1	11084	1	13303	1
2209	1	4428	0	6647	0	8866	1	11085	1	13304	0
2210	0	4429	0	6648	1	8867	1	11086	1	13305	1
2211	1	4430	1	6649	0	8868	1	11087	1	13306	1
2212	1	4431	0	6650	1	8869	1	11088	0	13307	0
2213	1	4432	0	6651	1	8870	1	11089	1	13308	1
2214	1	4433	1	6652	1	8871	1	11090	1	13309	1
2215	0	4434	0	6653	0	8872	0	11091	0	13310	0
2216	0	4435	0	6654	1	8873	1	11092	0	13311	1
2217	1	4436	1	6655	0	8874	0	11093	1	13312	1
2218	0	4437	1	6656	1	8875	1	11094	0		

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