

PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

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

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

1. INTRODUCTION

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

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

as the limit of the finite continued fractions

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

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

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

admits a continued fraction expansion of form (1.1).

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

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

that we shall denote

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

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

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

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{19} + z^{18} + z^{17} + z^{16} + z^{15} + z^{14} + z^{10} + z^7 + z^6 + z^4 + z^2 + 1, \\ p_1(z) &= z^{26} + z^{23} + z^{22} + z^{21} + z^{20} + z^{19} + z^{18} + z^{17} + z^{16} + z^{12} + z^9 + z^8 + z^4 \\ &\quad + z^2, \\ p_2(z) &= z^{28} + z^{20} + z^{18} + z^{16} + z^4, \\ p_3(z) &= z^{26} + z^{23} + z^{22} + z^{21} + z^{20} + z^{19} + z^{18} + z^{17} + z^{16} + z^{12} + z^9 + z^8 + z^4 \\ &\quad + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{19} + z^{17} + z^{16} + z^{15} + z^{14} + z^{10} + z^7 + z^6 + z^2, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{20} + z^{19} + z^{18} + z^{17} + z^{15} + z^{14} + z^{10} + z^8 + z^7 + z^6 + z^4 + z^2, \\ p_1(z) &= z^{26} + z^{23} + z^{22} + z^{21} + z^{20} + z^{19} + z^{18} + z^{17} + z^{16} + z^{12} + z^9 + z^8 + z^4 \\ &\quad + z^2, \\ p_2(z) &= z^{28} + z^{20} + z^{18} + z^{16} + z^4, \\ p_3(z) &= z^{26} + z^{23} + z^{22} + z^{21} + z^{20} + z^{19} + z^{18} + z^{17} + z^{16} + z^{12} + z^9 + z^8 + z^4 \\ &\quad + z^2, \\ p_4(z) &= z^{24} + z^{21} + z^{20} + z^{19} + z^{17} + z^{15} + z^{14} + z^{10} + z^8 + z^7 + z^6 + z^2 + 1. \end{aligned}$$

2. PROOF

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

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

By the basic properties of continued fractions, we have

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

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

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

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

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

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

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

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

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

for some positive integer d_n . Hence,

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

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

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

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

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

of the vector

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

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

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

Lemma 2.1. *We have*

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

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

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

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

Proof. We give the proof of the identity

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

the proofs of the others being similar.

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

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

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

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

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

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

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

Define

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

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

$$\begin{aligned} M^e[:14u] &= M^e[:7u] + x^u M^e[:6u] + x^{4u} M^e[:3u] + x^u M^e[:7u] + x^{2u} M^e[:6u] \\ &\quad + x^{5u} M^e[:3u] + x^{2u} M^e[:7u] + x^{3u} M^e[:6u] + x^{6u} M^e[:3u] \\ &\quad + x^{3u} M^e[:7u] + x^{4u} M^e[:6u] + x^{7u} M^e[:3u] + x^{5u} M^e[:7u] \\ &\quad + x^{6u} M^e[:6u] + x^{9u} M^e[:3u] + x^{7u} M^e[:7u] + x^{8u} M^e[:6u] \end{aligned}$$

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

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

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

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

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

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

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

$$0 = x^{11u}T[2u:3u] + x^{8u}T[5u:6u] + x^{7u}T[6u:7u] + T[13u:14u],$$

which can be rewritten as

$$(2.7) \quad 0 = T[[11w]_2] + T[[110w]_2] + T[[111w]_2],$$

$$(2.8) \quad 0 = T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] + T[[1000w]_2],$$

$$0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2]$$

$$(2.9) \quad + T[[110w]_2] + T[[1001w]_2],$$

$$0 = T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2]$$

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

$$0 = T[[w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2]$$

$$(2.11) \quad + T[[110w]_2] + T[[1011w]_2],$$

$$(2.12) \quad 0 = T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1100w]_2],$$

$$(2.13) \quad 0 = T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1101w]_2],$$

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

$$(2.14) \quad 0 = T[[11w]_2] + T[[110w]_2] + T[[111w]_2],$$

$$(2.15) \quad 0 = T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] + T[[1000w]_2],$$

$$0 = T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2]$$

$$(2.16) \quad + T[[110w]_2] + T[[1001w]_2],$$

$$0 = T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2]$$

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

$$0 = T[[w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] + T[[101w]_2]$$

$$(2.18) \quad + T[[110w]_2] + T[[1011w]_2],$$

$$(2.19) \quad 0 = T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1100w]_2],$$

$$(2.20) \quad 0 = T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1101w]_2],$$

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

First we calculate an 2-automaton that generates T from its minimal polynomial and its first terms. This automaton has 11137 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

$$(2.21) \quad 0 = \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 111)),$$

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 110))$$

$$(2.22) \quad + \tau(A(s, 1000)),$$

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

$$(2.23) \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1001)),$$

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

$$(2.24) \quad + \tau(A(s, 101)) + \tau(A(s, 1010)),$$

$$\begin{aligned}
(2.25) \quad & 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
& \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1011)), \\
(2.26) \quad & 0 = \tau(A(s, 1)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1100)), \\
(2.27) \quad & 0 = \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)), \\
& \text{for all } s \in E_{2k}, \text{ and} \\
(2.28) \quad & 0 = \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 111)), \\
& \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 110)) \\
(2.29) \quad & \quad + \tau(A(s, 1000)), \\
& \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
(2.30) \quad & \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1001)), \\
& \quad 0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
(2.31) \quad & \quad + \tau(A(s, 101)) + \tau(A(s, 1010)), \\
& \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\
(2.32) \quad & \quad + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1011)), \\
(2.33) \quad & 0 = \tau(A(s, 1)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1100)), \\
(2.34) \quad & 0 = \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 110)) + \tau(A(s, 1101)),
\end{aligned}$$

for $s = A(i, 0^{2k})$. We find that $(A(i, 0^{32}), E_{32}) = (A(i, 0^{22}), E_{22})$, so that we only have to verify that identities (2.21) through (2.34) hold for $2 \leq k \leq 16$, which turns out to be true. $\square$

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

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

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

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

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

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

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

We give the proof of

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Define

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

where

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{24} + x^{22} + x^{21} + x^{18} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 \\ &\quad + x^7, \\ q_1(x) &= x^{26} + x^{24} + x^{20} + x^{19} + x^{16} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 \\ &\quad + x^2, \\ q_2(x) &= x^{24} + x^{12} + x^{10} + x^8 + 1, \end{aligned}$$

$$\begin{aligned}
q_3(x) &= x^{26} + x^{24} + x^{20} + x^{19} + x^{16} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 \\
&\quad + x^2, \\
q_4(x) &= x^{26} + x^{22} + x^{21} + x^{18} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^7 + x^4.
\end{aligned}$$

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

3. ANNEXE

All 16 polynomials are of the form

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

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

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

$$\begin{aligned}
p_0(x) &= x^{156} + x^{148} + x^{146} + x^{136} + x^{122} + x^{120} + x^{118} + x^{112} + x^{108} + x^{104} \\
&\quad + x^{100} + x^{98} + x^{92} + x^{88} + x^{82} + x^{78} + x^{74} + x^{70} + x^{66} + x^{64} + x^{62} \\
&\quad + x^{60} + x^{58} + x^{52} + x^{46} + x^{40} + x^{38} + x^{36} + x^{34} + x^{30} + x^{24}, \\
p_3(x) &= x^{142} + x^{140} + x^{134} + x^{132} + x^{128} + x^{124} + x^{122} + x^{118} + x^{114} + x^{110} \\
&\quad + x^{108} + x^{106} + x^{104} + x^{92} + x^{86} + x^{84} + x^{80} + x^{78} + x^{76} + x^{72} + x^{70} \\
&\quad + x^{68} + x^{66} + x^{62} + x^{58} + x^{56} + x^{48} + x^{46} + x^{44} + x^{40} + x^{38} + x^{36} \\
&\quad + x^{30} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{16}, \\
p_6(x) &= x^{148} + x^{142} + x^{140} + x^{138} + x^{134} + x^{126} + x^{116} + x^{112} + x^{110} + x^{108} \\
&\quad + x^{104} + x^{96} + x^{90} + x^{86} + x^{84} + x^{82} + x^{76} + x^{70} + x^{66} + x^{62} + x^{54} \\
&\quad + x^{52} + x^{48} + x^{46} + x^{38} + x^{36} + x^{24} + x^{10} + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{136} + x^{134} + x^{128} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} \\
&\quad + x^{108} + x^{106} + x^{96} + x^{92} + x^{86} + x^{84} + x^{78} + x^{72} + x^{66} + x^{64} + x^{60} \\
&\quad + x^{52} + x^{46} + x^{42} + x^{38} + x^{36} + x^{32} + x^{24} + x^{22} + x^{18} + x^{16} + x^{14} \\
&\quad + x^{12} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{120} + x^{112} + x^{88} + x^{72} + x^{48} + x^{32} + x^{24} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{140} + x^{139} + x^{136} + x^{131} + x^{130} + x^{127} + x^{119} + x^{118} \\
&\quad + x^{114} + x^{113} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{101} + x^{100} \\
&\quad + x^{99} + x^{95} + x^{92} + x^{89} + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{76}
\end{aligned}$$

$$\begin{aligned}
& + x^{75} + x^{73} + x^{72} + x^{69} + x^{68} + x^{65} + x^{63} + x^{60} + x^{58} + x^{57} + x^{55} \\
& + x^{52} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{42} + x^{40} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{143} + x^{141} + x^{139} + x^{138} + x^{131} + x^{126} + x^{125} + x^{124} + x^{119} + x^{117} \\
& + x^{114} + x^{111} + x^{110} + x^{108} + x^{107} + x^{106} + x^{103} + x^{101} + x^{99} + x^{98} \\
& + x^{71} + x^{69} + x^{67} + x^{66} + x^{59} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{35} \\
& + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{23} + x^{21} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{136} + x^{132} + x^{129} + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} + x^{121} \\
& + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{112} + x^{108} + x^{105} + x^{104} \\
& + x^{101} + x^{96} + x^{95} + x^{92} + x^{90} + x^{88} + x^{87} + x^{86} + x^{84} + x^{80} + x^{79} \\
& + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{68} + x^{65} + x^{64} + x^{63} + x^{58} + x^{55} \\
& + x^{54} + x^{51} + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{38} + x^{34} + x^{30} + x^{27} \\
& + x^{26} + x^{23} + x^{21} + x^{19} + x^{18} + x^{16} + x^{13} + x^{12}, \\
p_9(x) &= x^{139} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{121} + x^{119} + x^{117} + x^{116} \\
& + x^{107} + x^{105} + x^{103} + x^{102} + x^{99} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{88} + x^{86} + x^{85} + x^{83} + x^{82} + x^{81} + x^{76} + x^{75} + x^{74} + x^{71} \\
& + x^{69} + x^{66} + x^{65} + x^{62} + x^{58} + x^{57} + x^{56} + x^{55} + x^{51} + x^{50} + x^{48} \\
& + x^{46} + x^{43} + x^{42} + x^{41} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33} + x^{32} + x^{25} \\
& + x^{23} + x^{21} + x^{20} + x^{19} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^7 + x^6, \\
p_{12}(x) &= x^{137} + x^{133} + x^{132} + x^{121} + x^{116} + x^{113} + x^{112} + x^{73} + x^{69} + x^{68} \\
& + x^{53} + x^{49} + x^{48} + x^{37} + x^{33} + x^{32} + x^{21} + x^{17} + x^{16} + x^9 + x^4 + x \\
& + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{140} + x^{139} + x^{136} + x^{131} + x^{130} + x^{127} + x^{119} + x^{118} \\
& + x^{114} + x^{113} + x^{109} + x^{108} + x^{107} + x^{105} + x^{103} + x^{101} + x^{100} \\
& + x^{99} + x^{95} + x^{92} + x^{89} + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{76} \\
& + x^{75} + x^{73} + x^{72} + x^{69} + x^{68} + x^{65} + x^{63} + x^{60} + x^{58} + x^{57} + x^{55} \\
& + x^{52} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{42} + x^{40} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{143} + x^{141} + x^{139} + x^{138} + x^{131} + x^{126} + x^{125} + x^{124} + x^{119} + x^{117} \\
& + x^{114} + x^{111} + x^{110} + x^{108} + x^{107} + x^{106} + x^{103} + x^{101} + x^{99} + x^{98} \\
& + x^{71} + x^{69} + x^{67} + x^{66} + x^{59} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{35} \\
& + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{23} + x^{21} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{136} + x^{132} + x^{129} + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} + x^{121}
\end{aligned}$$

$$\begin{aligned}
& + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{112} + x^{108} + x^{105} + x^{104} \\
& + x^{101} + x^{96} + x^{95} + x^{92} + x^{90} + x^{88} + x^{87} + x^{86} + x^{84} + x^{80} + x^{79} \\
& + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{68} + x^{65} + x^{64} + x^{63} + x^{58} + x^{55} \\
& + x^{54} + x^{51} + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{38} + x^{34} + x^{30} + x^{27} \\
& + x^{26} + x^{23} + x^{21} + x^{19} + x^{18} + x^{16} + x^{13} + x^{12}, \\
p_9(x) = & x^{139} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{121} + x^{119} + x^{117} + x^{116} \\
& + x^{107} + x^{105} + x^{103} + x^{102} + x^{99} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{88} + x^{86} + x^{85} + x^{83} + x^{82} + x^{81} + x^{76} + x^{75} + x^{74} + x^{71} \\
& + x^{69} + x^{66} + x^{65} + x^{62} + x^{58} + x^{57} + x^{56} + x^{55} + x^{51} + x^{50} + x^{48} \\
& + x^{46} + x^{43} + x^{42} + x^{41} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33} + x^{32} + x^{25} \\
& + x^{23} + x^{21} + x^{20} + x^{19} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{133} + x^{132} + x^{121} + x^{116} + x^{113} + x^{112} + x^{73} + x^{69} + x^{68} \\
& + x^{53} + x^{49} + x^{48} + x^{37} + x^{33} + x^{32} + x^{21} + x^{17} + x^{16} + x^9 + x^4 + x \\
& + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{138} + x^{134} + x^{130} + x^{128} + x^{126} + x^{118} + x^{114} + x^{106} + x^{104} + x^{102} \\
& + x^{88} + x^{84} + x^{82} + x^{78} + x^{72} + x^{64} + x^{54} + x^{52} + x^{46} + x^{44} + x^{42}, \\
p_3(x) = & x^{126} + x^{122} + x^{116} + x^{114} + x^{112} + x^{108} + x^{102} + x^{100} + x^{98} + x^{96} \\
& + x^{90} + x^{86} + x^{74} + x^{70} + x^{66} + x^{60} + x^{52} + x^{50} + x^{46} + x^{40} + x^{38} \\
& + x^{34} + x^{26} + x^{20} + x^{18} + x^{16} + x^{14} + x^{12}, \\
p_6(x) = & x^{126} + x^{118} + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{104} + x^{98} + x^{90} \\
& + x^{88} + x^{84} + x^{82} + x^{78} + x^{72} + x^{70} + x^{60} + x^{58} + x^{56} + x^{52} + x^{50} \\
& + x^{46} + x^{40} + x^{38} + x^{30} + x^{28} + x^{22} + x^{20} + x^{14} + x^{12} + x^6 + x^4 + x^2 \\
& + 1, \\
p_9(x) = & x^{122} + x^{118} + x^{114} + x^{112} + x^{110} + x^{108} + x^{106} + x^{104} + x^{94} + x^{90} \\
& + x^{86} + x^{84} + x^{76} + x^{70} + x^{68} + x^{66} + x^{64} + x^{50} + x^{46} + x^{44} + x^{42} \\
& + x^{40} + x^{36} + x^{34} + x^{26} + x^{20} + x^{18} + x^{16} + x^{12} + x^8 + x^6 + x^4, \\
p_{12}(x) = & x^{122} + x^{114} + x^{112} + x^{58} + x^{50} + x^{48} + x^{42} + x^{34} + x^{32} + x^{26} + x^{18} \\
& + x^{16} + x^{10} + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{138} + x^{134} + x^{128} + x^{126} + x^{120} + x^{112} + x^{104} + x^{96} + x^{90} + x^{86} \\
& + x^{80} + x^{72} + x^{68} + x^{62} + x^{60} + x^{56} + x^{50} + x^{46} + x^{38} + x^{32} + x^{30} \\
& + x^{26} + x^{24}, \\
p_3(x) = & x^{126} + x^{122} + x^{118} + x^{116} + x^{112} + x^{106} + x^{98} + x^{96} + x^{94} + x^{90}
\end{aligned}$$

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

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{143} + x^{141} + x^{137} + x^{136} + x^{133} + x^{132} + x^{129} + x^{127} + x^{117} \\
& + x^{116} + x^{114} + x^{113} + x^{111} + x^{110} + x^{109} + x^{104} + x^{103} + x^{102} \\
& + x^{101} + x^{99} + x^{98} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{90} + x^{88} + x^{87} \\
& + x^{84} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{76} + x^{68} + x^{67} + x^{64} + x^{63} \\
& + x^{62} + x^{61} + x^{56} + x^{52} + x^{51} + x^{50} + x^{48} + x^{44} + x^{43} + x^{42} + x^{41} \\
& + x^{40} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{143} + x^{141} + x^{139} + x^{138} + x^{131} + x^{126} + x^{125} + x^{124} + x^{119} + x^{117} \\
& + x^{114} + x^{111} + x^{110} + x^{108} + x^{107} + x^{106} + x^{103} + x^{101} + x^{99} + x^{98} \\
& + x^{71} + x^{69} + x^{67} + x^{66} + x^{59} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{35} \\
& + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{23} + x^{21} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{136} + x^{132} + x^{129} + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} + x^{121} \\
& + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{112} + x^{108} + x^{105} + x^{104} \\
& + x^{101} + x^{96} + x^{95} + x^{92} + x^{90} + x^{88} + x^{87} + x^{86} + x^{84} + x^{80} + x^{79} \\
& + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{68} + x^{65} + x^{64} + x^{63} + x^{58} + x^{55} \\
& + x^{54} + x^{51} + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{38} + x^{34} + x^{30} + x^{27} \\
& + x^{26} + x^{23} + x^{21} + x^{19} + x^{18} + x^{16} + x^{13} + x^{12}, \\
p_9(x) &= x^{139} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{121} + x^{119} + x^{117} + x^{116} \\
& + x^{107} + x^{105} + x^{103} + x^{102} + x^{99} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{88} + x^{86} + x^{85} + x^{83} + x^{82} + x^{81} + x^{76} + x^{75} + x^{74} + x^{71} \\
& + x^{69} + x^{66} + x^{65} + x^{62} + x^{58} + x^{57} + x^{56} + x^{55} + x^{51} + x^{50} + x^{48} \\
& + x^{46} + x^{43} + x^{42} + x^{41} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33} + x^{32} + x^{25} \\
& + x^{23} + x^{21} + x^{20} + x^{19} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^7 + x^6, \\
p_{12}(x) &= x^{137} + x^{133} + x^{132} + x^{121} + x^{116} + x^{113} + x^{112} + x^{73} + x^{69} + x^{68}
\end{aligned}$$

$$+ x^{53} + x^{49} + x^{48} + x^{37} + x^{33} + x^{32} + x^{21} + x^{17} + x^{16} + x^9 + x^4 + x + 1,$$

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

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

$$\begin{aligned} p_0(x) = & x^{147} + x^{143} + x^{141} + x^{137} + x^{136} + x^{133} + x^{132} + x^{129} + x^{127} + x^{117} \\ & + x^{116} + x^{114} + x^{113} + x^{111} + x^{110} + x^{109} + x^{104} + x^{103} + x^{102} \\ & + x^{101} + x^{99} + x^{98} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{90} + x^{88} + x^{87} \\ & + x^{84} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{76} + x^{68} + x^{67} + x^{64} + x^{63} \\ & + x^{62} + x^{61} + x^{56} + x^{52} + x^{51} + x^{50} + x^{48} + x^{44} + x^{43} + x^{42} + x^{41} \\ & + x^{40} + x^{37} + x^{36} + x^{35} + x^{33}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{143} + x^{141} + x^{139} + x^{138} + x^{131} + x^{126} + x^{125} + x^{124} + x^{119} + x^{117} \\ & + x^{114} + x^{111} + x^{110} + x^{108} + x^{107} + x^{106} + x^{103} + x^{101} + x^{99} + x^{98} \\ & + x^{71} + x^{69} + x^{67} + x^{66} + x^{59} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{35} \\ & + x^{31} + x^{30} + x^{28} + x^{27} + x^{26} + x^{23} + x^{21} + x^{19} + x^{18}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{141} + x^{136} + x^{132} + x^{129} + x^{128} + x^{127} + x^{125} + x^{123} + x^{122} + x^{121} \\ & + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{112} + x^{108} + x^{105} + x^{104} \\ & + x^{101} + x^{96} + x^{95} + x^{92} + x^{90} + x^{88} + x^{87} + x^{86} + x^{84} + x^{80} + x^{79} \\ & + x^{77} + x^{76} + x^{75} + x^{74} + x^{73} + x^{68} + x^{65} + x^{64} + x^{63} + x^{58} + x^{55} \\ & + x^{54} + x^{51} + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{38} + x^{34} + x^{30} + x^{27} \\ & + x^{26} + x^{23} + x^{21} + x^{19} + x^{18} + x^{16} + x^{13} + x^{12}, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{139} + x^{137} + x^{134} + x^{133} + x^{131} + x^{130} + x^{121} + x^{119} + x^{117} + x^{116} \\ & + x^{107} + x^{105} + x^{103} + x^{102} + x^{99} + x^{95} + x^{94} + x^{93} + x^{92} + x^{91} \\ & + x^{90} + x^{88} + x^{86} + x^{85} + x^{83} + x^{82} + x^{81} + x^{76} + x^{75} + x^{74} + x^{71} \\ & + x^{69} + x^{66} + x^{65} + x^{62} + x^{58} + x^{57} + x^{56} + x^{55} + x^{51} + x^{50} + x^{48} \\ & + x^{46} + x^{43} + x^{42} + x^{41} + x^{40} + x^{38} + x^{36} + x^{35} + x^{33} + x^{32} + x^{25} \\ & + x^{23} + x^{21} + x^{20} + x^{19} + x^{14} + x^{13} + x^{12} + x^{11} + x^9 + x^7 + x^6, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{137} + x^{133} + x^{132} + x^{121} + x^{116} + x^{113} + x^{112} + x^{73} + x^{69} + x^{68} \\ & + x^{53} + x^{49} + x^{48} + x^{37} + x^{33} + x^{32} + x^{21} + x^{17} + x^{16} + x^9 + x^4 + x + 1, \end{aligned}$$

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

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

$$\begin{aligned} p_0(x) = & x^{156} + x^{152} + x^{146} + x^{140} + x^{138} + x^{136} + x^{132} + x^{128} + x^{122} + x^{114} \\ & + x^{112} + x^{110} + x^{106} + x^{102} + x^{100} + x^{94} + x^{92} + x^{90} + x^{88} + x^{84} \\ & + x^{78} + x^{76} + x^{74} + x^{66} + x^{64} + x^{62} + x^{60} + x^{56} + x^{50} + x^{44} + x^{42}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{148} + x^{144} + x^{142} + x^{132} + x^{128} + x^{126} + x^{124} + x^{122} + x^{110} + x^{106} \\ & + x^{104} + x^{100} + x^{96} + x^{92} + x^{88} + x^{84} + x^{78} + x^{72} + x^{68} + x^{62} + x^{60} \end{aligned}$$

$$\begin{aligned}
& + x^{56} + x^{54} + x^{50} + x^{46} + x^{44} + x^{40} + x^{36} + x^{28} + x^{26} + x^{24} + x^{20} \\
& + x^{16} + x^{12}, \\
p_6(x) &= x^{142} + x^{138} + x^{136} + x^{120} + x^{118} + x^{114} + x^{110} + x^{100} + x^{96} + x^{90} \\
& + x^{88} + x^{84} + x^{82} + x^{80} + x^{68} + x^{62} + x^{58} + x^{56} + x^{50} + x^{48} + x^{46} \\
& + x^{36} + x^{30} + x^{22} + x^{20} + x^{18} + x^{16} + x^{12} + x^{10} + x^8 + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{136} + x^{134} + x^{128} + x^{120} + x^{118} + x^{114} + x^{112} + x^{110} \\
& + x^{108} + x^{106} + x^{96} + x^{92} + x^{86} + x^{84} + x^{78} + x^{72} + x^{66} + x^{64} + x^{60} \\
& + x^{52} + x^{46} + x^{42} + x^{38} + x^{36} + x^{32} + x^{24} + x^{22} + x^{18} + x^{16} + x^{14} \\
& + x^{12} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{120} + x^{112} + x^{88} + x^{72} + x^{48} + x^{32} + x^{24} + x^{16} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{140} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} \\
& + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{121} + x^{120} \\
& + x^{119} + x^{115} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} \\
& + x^{106} + x^{104} + x^{102} + x^{99} + x^{98} + x^{95} + x^{94} + x^{93} + x^{92} + x^{89} + x^{87} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} + x^{67} \\
& + x^{66} + x^{58} + x^{56} + x^{54} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{42} + x^{41} \\
& + x^{40} + x^{39} + x^{36} + x^{34} + x^{33} + x^{32} + x^{30} + x^{29} + x^{25} + x^{24}, \\
p_3(x) &= x^{145} + x^{143} + x^{140} + x^{136} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{124} \\
& + x^{122} + x^{120} + x^{118} + x^{117} + x^{116} + x^{113} + x^{111} + x^{110} + x^{109} \\
& + x^{107} + x^{106} + x^{104} + x^{103} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} \\
& + x^{91} + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} \\
& + x^{73} + x^{72} + x^{71} + x^{69} + x^{67} + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} \\
& + x^{57} + x^{54} + x^{51} + x^{49} + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{38} + x^{37} \\
& + x^{34} + x^{32} + x^{29} + x^{26} + x^{25} + x^{24} + x^{22} + x^{21} + x^{17} + x^{16}, \\
p_6(x) &= x^{145} + x^{143} + x^{140} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{124} + x^{123} \\
& + x^{122} + x^{121} + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} \\
& + x^{109} + x^{108} + x^{107} + x^{105} + x^{101} + x^{100} + x^{97} + x^{94} + x^{93} + x^{89} \\
& + x^{86} + x^{85} + x^{84} + x^{83} + x^{81} + x^{78} + x^{74} + x^{71} + x^{69} + x^{64} + x^{63} \\
& + x^{59} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{46} + x^{43} + x^{40} + x^{37} \\
& + x^{33} + x^{30} + x^{29} + x^{26} + x^{25} + x^{24} + x^{22} + x^{20} + x^{18} + x^{17} + x^{16} \\
& + x^{14} + x^{13} + x^8 + x^4 + x + 1, \\
p_9(x) &= x^{145} + x^{141} + x^{140} + x^{137} + x^{133} + x^{132} + x^{129} + x^{124} + x^{121} + x^{120} \\
& + x^{81} + x^{77} + x^{76} + x^{73} + x^{69} + x^{68} + x^{61} + x^{56} + x^{53} + x^{52} + x^{45}
\end{aligned}$$

$$\begin{aligned}
& + x^{40} + x^{37} + x^{36} + x^{29} + x^{24} + x^{21} + x^{20} + x^{17} + x^{12} + x^9 + x^8, \\
p_{12}(x) = & x^{145} + x^{141} + x^{140} + x^{129} + x^{124} + x^{120} + x^{116} + x^{113} + x^{112} + x^{81} \\
& + x^{77} + x^{76} + x^{61} + x^{56} + x^{52} + x^{49} + x^{48} + x^{45} + x^{40} + x^{36} + x^{33} \\
& + x^{32} + x^{29} + x^{24} + x^{20} + x^{16} + x^{12} + x^8 + x^4 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{142} + x^{140} + x^{137} + x^{136} + x^{134} + x^{133} + x^{132} + x^{130} + x^{129} \\
& + x^{128} + x^{127} + x^{123} + x^{121} + x^{119} + x^{114} + x^{113} + x^{112} + x^{111} \\
& + x^{110} + x^{108} + x^{106} + x^{105} + x^{104} + x^{101} + x^{99} + x^{98} + x^{95} + x^{93} \\
& + x^{92} + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{79} + x^{78} + x^{77} + x^{75} \\
& + x^{70} + x^{65} + x^{64} + x^{62} + x^{61} + x^{58} + x^{51} + x^{50} + x^{48} + x^{47} + x^{46} \\
& + x^{44} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{35} + x^{33}, \\
p_3(x) = & x^{134} + x^{132} + x^{128} + x^{127} + x^{124} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} \\
& + x^{116} + x^{114} + x^{112} + x^{111} + x^{108} + x^{106} + x^{104} + x^{103} + x^{101} \\
& + x^{98} + x^{62} + x^{60} + x^{56} + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{45} + x^{42} \\
& + x^{38} + x^{36} + x^{32} + x^{31} + x^{28} + x^{26} + x^{24} + x^{23} + x^{21} + x^{18}, \\
p_6(x) = & x^{136} + x^{132} + x^{128} + x^{122} + x^{120} + x^{114} + x^{112} + x^{108} + x^{104} + x^{96} \\
& + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{80} + x^{76} + x^{74} + x^{68} + x^{64} + x^{58} \\
& + x^{54} + x^{46} + x^{42} + x^{40} + x^{38} + x^{34} + x^{30} + x^{26} + x^{18} + x^{16} + x^{12}, \\
p_9(x) = & x^{138} + x^{136} + x^{134} + x^{131} + x^{127} + x^{123} + x^{121} + x^{118} + x^{74} + x^{72} \\
& + x^{70} + x^{67} + x^{63} + x^{59} + x^{58} + x^{57} + x^{56} + x^{51} + x^{47} + x^{43} + x^{42} \\
& + x^{41} + x^{40} + x^{35} + x^{31} + x^{27} + x^{26} + x^{25} + x^{24} + x^{19} + x^{15} + x^{11} \\
& + x^9 + x^6, \\
p_{12}(x) = & x^{140} + x^{124} + x^{120} + x^{116} + x^{112} + x^{76} + x^{56} + x^{52} + x^{48} + x^{40} + x^{36} \\
& + x^{32} + x^{24} + x^{20} + x^{16} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{154} + x^{152} + x^{150} + x^{149} + x^{148} + x^{146} + x^{144} + x^{142} + x^{140} \\
& + x^{139} + x^{138} + x^{135} + x^{134} + x^{131} + x^{127} + x^{120} + x^{119} + x^{117} \\
& + x^{114} + x^{113} + x^{112} + x^{111} + x^{109} + x^{106} + x^{105} + x^{104} + x^{103} \\
& + x^{102} + x^{99} + x^{97} + x^{96} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{83} + x^{82} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{73} + x^{72} + x^{69} + x^{64} + x^{63} + x^{61} \\
& + x^{58} + x^{57} + x^{55} + x^{53} + x^{52} + x^{45} + x^{44} + x^{43} + x^{42} + x^{38} + x^{36} \\
& + x^{34} + x^{33}, \\
p_3(x) = & x^{154} + x^{152} + x^{148} + x^{147} + x^{144} + x^{142} + x^{140} + x^{139} + x^{137} + x^{132}
\end{aligned}$$

$$\begin{aligned}
& + x^{128} + x^{127} + x^{124} + x^{119} + x^{118} + x^{117} + x^{115} + x^{114} + x^{111} \\
& + x^{110} + x^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{98} + x^{82} \\
& + x^{80} + x^{76} + x^{75} + x^{72} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{59} \\
& + x^{58} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} \\
& + x^{41} + x^{40} + x^{35} + x^{31} + x^{30} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} \\
& + x^{21} + x^{18}, \\
p_6(x) &= x^{156} + x^{152} + x^{148} + x^{142} + x^{134} + x^{132} + x^{126} + x^{122} + x^{120} + x^{118} \\
& + x^{114} + x^{112} + x^{110} + x^{108} + x^{106} + x^{96} + x^{88} + x^{86} + x^{84} + x^{76} \\
& + x^{72} + x^{66} + x^{64} + x^{60} + x^{58} + x^{46} + x^{44} + x^{40} + x^{38} + x^{36} + x^{32} \\
& + x^{26} + x^{22} + x^{20} + x^{18} + x^{12}, \\
p_9(x) &= x^{158} + x^{156} + x^{154} + x^{151} + x^{147} + x^{143} + x^{142} + x^{141} + x^{140} + x^{138} \\
& + x^{136} + x^{135} + x^{134} + x^{125} + x^{123} + x^{122} + x^{121} + x^{118} + x^{94} + x^{92} \\
& + x^{90} + x^{87} + x^{83} + x^{79} + x^{77} + x^{72} + x^{70} + x^{67} + x^{63} + x^{59} + x^{58} \\
& + x^{57} + x^{56} + x^{51} + x^{47} + x^{43} + x^{42} + x^{41} + x^{40} + x^{35} + x^{31} + x^{30} \\
& + x^{28} + x^{27} + x^{25} + x^{24} + x^{23} + x^{13} + x^{11} + x^{10} + x^9 + x^6, \\
p_{12}(x) &= x^{160} + x^{136} + x^{132} + x^{128} + x^{112} + x^{96} + x^{80} + x^{72} + x^{68} + x^{56} + x^{52} \\
& + x^{48} + x^{40} + x^{36} + x^{24} + x^{20} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{135} + x^{132} + x^{129} + x^{125} + x^{117} + x^{116} + x^{115} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{101} + x^{96} + x^{95} + x^{92} + x^{89} + x^{86} + x^{85} + x^{84} + x^{83} \\
& + x^{82} + x^{80} + x^{76} + x^{75} + x^{73} + x^{72} + x^{70} + x^{68} + x^{64} + x^{63} + x^{62} \\
& + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} + x^{46} + x^{45} + x^{42}, \\
p_3(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{137} + x^{132} + x^{131} + x^{128} + x^{125} + x^{123} \\
& + x^{120} + x^{118} + x^{116} + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{105} \\
& + x^{103} + x^{100} + x^{99} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{85} \\
& + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{73} + x^{72} + x^{71} + x^{67} + x^{65} \\
& + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{55} + x^{54} + x^{52} + x^{50} + x^{48} + x^{46} \\
& + x^{44} + x^{42} + x^{41} + x^{40} + x^{38} + x^{37} + x^{34} + x^{33} + x^{32} + x^{31} + x^{29} \\
& + x^{28} + x^{27} + x^{22}, \\
p_6(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{137} + x^{135} + x^{132} + x^{131} + x^{128} + x^{127} \\
& + x^{121} + x^{119} + x^{118} + x^{113} + x^{109} + x^{108} + x^{107} + x^{95} + x^{94} + x^{93} \\
& + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{85} + x^{83} + x^{80} + x^{79} + x^{78} + x^{75} \\
& + x^{73} + x^{71} + x^{69} + x^{68} + x^{65} + x^{61} + x^{59} + x^{58} + x^{57} + x^{53} + x^{52} \\
& + x^{51} + x^{50} + x^{48} + x^{45} + x^{43} + x^{42} + x^{38} + x^{36} + x^{34} + x^{28} + x^{27}
\end{aligned}$$

$$\begin{aligned}
& + x^{25} + x^{24} + x^{23} + x^{22} + x^{20} + x^{19} + x^{17} + x^{16} + x^{14} + x^9 + x^4 + x \\
& + 1, \\
p_9(x) &= x^{145} + x^{141} + x^{140} + x^{137} + x^{133} + x^{132} + x^{129} + x^{124} + x^{121} + x^{120} \\
& + x^{81} + x^{77} + x^{76} + x^{73} + x^{69} + x^{68} + x^{61} + x^{56} + x^{53} + x^{52} + x^{45} \\
& + x^{40} + x^{37} + x^{36} + x^{29} + x^{24} + x^{21} + x^{20} + x^{17} + x^{12} + x^9 + x^8, \\
p_{12}(x) &= x^{145} + x^{141} + x^{140} + x^{129} + x^{124} + x^{120} + x^{116} + x^{113} + x^{112} + x^{81} \\
& + x^{77} + x^{76} + x^{61} + x^{56} + x^{52} + x^{49} + x^{48} + x^{45} + x^{40} + x^{36} + x^{33} \\
& + x^{32} + x^{29} + x^{24} + x^{20} + x^{16} + x^{12} + x^8 + x^4 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{140} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} \\
& + x^{130} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{123} + x^{121} + x^{120} \\
& + x^{119} + x^{115} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} + x^{107} \\
& + x^{106} + x^{104} + x^{102} + x^{99} + x^{98} + x^{95} + x^{94} + x^{93} + x^{92} + x^{89} + x^{87} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{78} + x^{76} + x^{75} + x^{74} + x^{73} + x^{67} \\
& + x^{66} + x^{58} + x^{56} + x^{54} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{42} + x^{41} \\
& + x^{40} + x^{39} + x^{36} + x^{34} + x^{33} + x^{32} + x^{30} + x^{29} + x^{25} + x^{24}, \\
p_3(x) &= x^{145} + x^{143} + x^{140} + x^{136} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{124} \\
& + x^{122} + x^{120} + x^{118} + x^{117} + x^{116} + x^{113} + x^{111} + x^{110} + x^{109} \\
& + x^{107} + x^{106} + x^{104} + x^{103} + x^{101} + x^{100} + x^{99} + x^{97} + x^{94} + x^{92} \\
& + x^{91} + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} \\
& + x^{73} + x^{72} + x^{71} + x^{69} + x^{67} + x^{64} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} \\
& + x^{57} + x^{54} + x^{51} + x^{49} + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{38} + x^{37} \\
& + x^{34} + x^{32} + x^{29} + x^{26} + x^{25} + x^{24} + x^{22} + x^{21} + x^{17} + x^{16}, \\
p_6(x) &= x^{145} + x^{143} + x^{140} + x^{136} + x^{135} + x^{133} + x^{132} + x^{131} + x^{124} + x^{123} \\
& + x^{122} + x^{121} + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} + x^{113} \\
& + x^{109} + x^{108} + x^{107} + x^{105} + x^{101} + x^{100} + x^{97} + x^{94} + x^{93} + x^{89} \\
& + x^{86} + x^{85} + x^{84} + x^{83} + x^{81} + x^{78} + x^{74} + x^{71} + x^{69} + x^{64} + x^{63} \\
& + x^{59} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{46} + x^{43} + x^{40} + x^{37} \\
& + x^{33} + x^{30} + x^{29} + x^{26} + x^{25} + x^{24} + x^{22} + x^{20} + x^{18} + x^{17} + x^{16} \\
& + x^{14} + x^{13} + x^8 + x^4 + x + 1, \\
p_9(x) &= x^{145} + x^{141} + x^{140} + x^{137} + x^{133} + x^{132} + x^{129} + x^{124} + x^{121} + x^{120} \\
& + x^{81} + x^{77} + x^{76} + x^{73} + x^{69} + x^{68} + x^{61} + x^{56} + x^{53} + x^{52} + x^{45} \\
& + x^{40} + x^{37} + x^{36} + x^{29} + x^{24} + x^{21} + x^{20} + x^{17} + x^{12} + x^9 + x^8, \\
p_{12}(x) &= x^{145} + x^{141} + x^{140} + x^{129} + x^{124} + x^{120} + x^{116} + x^{113} + x^{112} + x^{81}
\end{aligned}$$

$$\begin{aligned}
& + x^{77} + x^{76} + x^{61} + x^{56} + x^{52} + x^{49} + x^{48} + x^{45} + x^{40} + x^{36} + x^{33} \\
& + x^{32} + x^{29} + x^{24} + x^{20} + x^{16} + x^{12} + x^8 + x^4 + x + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{156} + x^{154} + x^{152} + x^{150} + x^{149} + x^{148} + x^{146} + x^{144} + x^{142} + x^{140} \\
& + x^{139} + x^{138} + x^{135} + x^{134} + x^{131} + x^{127} + x^{120} + x^{119} + x^{117} \\
& + x^{114} + x^{113} + x^{112} + x^{111} + x^{109} + x^{106} + x^{105} + x^{104} + x^{103} \\
& + x^{102} + x^{99} + x^{97} + x^{96} + x^{90} + x^{89} + x^{88} + x^{87} + x^{86} + x^{83} + x^{82} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} + x^{73} + x^{72} + x^{69} + x^{64} + x^{63} + x^{61} \\
& + x^{58} + x^{57} + x^{55} + x^{53} + x^{52} + x^{45} + x^{44} + x^{43} + x^{42} + x^{38} + x^{36} \\
& + x^{34} + x^{33},
\end{aligned}$$

$$\begin{aligned}
p_3(x) = & x^{154} + x^{152} + x^{148} + x^{147} + x^{144} + x^{142} + x^{140} + x^{139} + x^{137} + x^{132} \\
& + x^{128} + x^{127} + x^{124} + x^{119} + x^{118} + x^{117} + x^{115} + x^{114} + x^{111} \\
& + x^{110} + x^{107} + x^{106} + x^{105} + x^{104} + x^{103} + x^{102} + x^{101} + x^{98} + x^{82} \\
& + x^{80} + x^{76} + x^{75} + x^{72} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{59} \\
& + x^{58} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} \\
& + x^{41} + x^{40} + x^{35} + x^{31} + x^{30} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} \\
& + x^{21} + x^{18},
\end{aligned}$$

$$\begin{aligned}
p_6(x) = & x^{156} + x^{152} + x^{148} + x^{142} + x^{134} + x^{132} + x^{126} + x^{122} + x^{120} + x^{118} \\
& + x^{114} + x^{112} + x^{110} + x^{108} + x^{106} + x^{96} + x^{88} + x^{86} + x^{84} + x^{76} \\
& + x^{72} + x^{66} + x^{64} + x^{60} + x^{58} + x^{46} + x^{44} + x^{40} + x^{38} + x^{36} + x^{32} \\
& + x^{26} + x^{22} + x^{20} + x^{18} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_9(x) = & x^{158} + x^{156} + x^{154} + x^{151} + x^{147} + x^{143} + x^{142} + x^{141} + x^{140} + x^{138} \\
& + x^{136} + x^{135} + x^{134} + x^{125} + x^{123} + x^{122} + x^{121} + x^{118} + x^{94} + x^{92} \\
& + x^{90} + x^{87} + x^{83} + x^{79} + x^{77} + x^{72} + x^{70} + x^{67} + x^{63} + x^{59} + x^{58} \\
& + x^{57} + x^{56} + x^{51} + x^{47} + x^{43} + x^{42} + x^{41} + x^{40} + x^{35} + x^{31} + x^{30} \\
& + x^{28} + x^{27} + x^{25} + x^{24} + x^{23} + x^{13} + x^{11} + x^{10} + x^9 + x^6,
\end{aligned}$$

$$\begin{aligned}
p_{12}(x) = & x^{160} + x^{136} + x^{132} + x^{128} + x^{112} + x^{96} + x^{80} + x^{72} + x^{68} + x^{56} + x^{52} \\
& + x^{48} + x^{40} + x^{36} + x^{24} + x^{20} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{148} + x^{142} + x^{140} + x^{137} + x^{136} + x^{134} + x^{133} + x^{132} + x^{130} + x^{129} \\
& + x^{128} + x^{127} + x^{123} + x^{121} + x^{119} + x^{114} + x^{113} + x^{112} + x^{111} \\
& + x^{110} + x^{108} + x^{106} + x^{105} + x^{104} + x^{101} + x^{99} + x^{98} + x^{95} + x^{93} \\
& + x^{92} + x^{90} + x^{89} + x^{88} + x^{85} + x^{83} + x^{82} + x^{79} + x^{78} + x^{77} + x^{75}
\end{aligned}$$

$$\begin{aligned}
& + x^{70} + x^{65} + x^{64} + x^{62} + x^{61} + x^{58} + x^{51} + x^{50} + x^{48} + x^{47} + x^{46} \\
& + x^{44} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{35} + x^{33}, \\
p_3(x) &= x^{134} + x^{132} + x^{128} + x^{127} + x^{124} + x^{122} + x^{120} + x^{119} + x^{118} + x^{117} \\
& + x^{116} + x^{114} + x^{112} + x^{111} + x^{108} + x^{106} + x^{104} + x^{103} + x^{101} \\
& + x^{98} + x^{62} + x^{60} + x^{56} + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{45} + x^{42} \\
& + x^{38} + x^{36} + x^{32} + x^{31} + x^{28} + x^{26} + x^{24} + x^{23} + x^{21} + x^{18}, \\
p_6(x) &= x^{136} + x^{132} + x^{128} + x^{122} + x^{120} + x^{114} + x^{112} + x^{108} + x^{104} + x^{96} \\
& + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{80} + x^{76} + x^{74} + x^{68} + x^{64} + x^{58} \\
& + x^{54} + x^{46} + x^{42} + x^{40} + x^{38} + x^{34} + x^{30} + x^{26} + x^{18} + x^{16} + x^{12}, \\
p_9(x) &= x^{138} + x^{136} + x^{134} + x^{131} + x^{127} + x^{123} + x^{121} + x^{118} + x^{74} + x^{72} \\
& + x^{70} + x^{67} + x^{63} + x^{59} + x^{58} + x^{57} + x^{56} + x^{51} + x^{47} + x^{43} + x^{42} \\
& + x^{41} + x^{40} + x^{35} + x^{31} + x^{27} + x^{26} + x^{25} + x^{24} + x^{19} + x^{15} + x^{11} \\
& + x^9 + x^6, \\
p_{12}(x) &= x^{140} + x^{124} + x^{120} + x^{116} + x^{112} + x^{76} + x^{56} + x^{52} + x^{48} + x^{40} + x^{36} \\
& + x^{32} + x^{24} + x^{20} + x^{16} + x^{12} + x^8 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{135} + x^{132} + x^{129} + x^{125} + x^{117} + x^{116} + x^{115} + x^{112} + x^{108} \\
& + x^{103} + x^{102} + x^{101} + x^{96} + x^{95} + x^{92} + x^{89} + x^{86} + x^{85} + x^{84} + x^{83} \\
& + x^{82} + x^{80} + x^{76} + x^{75} + x^{73} + x^{72} + x^{70} + x^{68} + x^{64} + x^{63} + x^{62} \\
& + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} + x^{46} + x^{45} + x^{42}, \\
p_3(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{137} + x^{132} + x^{131} + x^{128} + x^{125} + x^{123} \\
& + x^{120} + x^{118} + x^{116} + x^{113} + x^{112} + x^{110} + x^{109} + x^{108} + x^{105} \\
& + x^{103} + x^{100} + x^{99} + x^{96} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{85} \\
& + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} + x^{73} + x^{72} + x^{71} + x^{67} + x^{65} \\
& + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{55} + x^{54} + x^{52} + x^{50} + x^{48} + x^{46} \\
& + x^{44} + x^{42} + x^{41} + x^{40} + x^{38} + x^{37} + x^{34} + x^{33} + x^{32} + x^{31} + x^{29} \\
& + x^{28} + x^{27} + x^{22}, \\
p_6(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{137} + x^{135} + x^{132} + x^{131} + x^{128} + x^{127} \\
& + x^{121} + x^{119} + x^{118} + x^{113} + x^{109} + x^{108} + x^{107} + x^{95} + x^{94} + x^{93} \\
& + x^{92} + x^{90} + x^{89} + x^{88} + x^{87} + x^{85} + x^{83} + x^{80} + x^{79} + x^{78} + x^{75} \\
& + x^{73} + x^{71} + x^{69} + x^{68} + x^{65} + x^{61} + x^{59} + x^{58} + x^{57} + x^{53} + x^{52} \\
& + x^{51} + x^{50} + x^{48} + x^{45} + x^{43} + x^{42} + x^{38} + x^{36} + x^{34} + x^{28} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{22} + x^{20} + x^{19} + x^{17} + x^{16} + x^{14} + x^9 + x^4 + x \\
& + 1,
\end{aligned}$$

$$\begin{aligned}
p_9(x) &= x^{145} + x^{141} + x^{140} + x^{137} + x^{133} + x^{132} + x^{129} + x^{124} + x^{121} + x^{120} \\
&\quad + x^{81} + x^{77} + x^{76} + x^{73} + x^{69} + x^{68} + x^{61} + x^{56} + x^{53} + x^{52} + x^{45} \\
&\quad + x^{40} + x^{37} + x^{36} + x^{29} + x^{24} + x^{21} + x^{20} + x^{17} + x^{12} + x^9 + x^8, \\
p_{12}(x) &= x^{145} + x^{141} + x^{140} + x^{129} + x^{124} + x^{120} + x^{116} + x^{113} + x^{112} + x^{81} \\
&\quad + x^{77} + x^{76} + x^{61} + x^{56} + x^{52} + x^{49} + x^{48} + x^{45} + x^{40} + x^{36} + x^{33} \\
&\quad + x^{32} + x^{29} + x^{24} + x^{20} + x^{16} + x^{12} + x^8 + x^4 + x + 1,
\end{aligned}$$

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

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

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

n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$	n	$\Lambda(n)$
0	[1, 2]	2785	[4563, 4215]	5570	[373, 7625]	8355	[9842, 5528]
1	[3, 4]	2786	[4564, 4565]	5571	[4429, 7626]	8356	[9103, 9301]
2	[5, 6]	2787	[4566, 1075]	5572	[7627, 7628]	8357	[9241, 9843]
3	[7, 8]	2788	[4567, 4568]	5573	[7629, 4446]	8358	[9844, 8884]
4	[9, 10]	2789	[3709, 4569]	5574	[7630, 7452]	8359	[6722, 9020]
5	[11, 12]	2790	[3323, 4570]	5575	[3911, 7631]	8360	[5793, 9845]
6	[13, 14]	2791	[4571, 4572]	5576	[3055, 7632]	8361	[9846, 753]
7	[15, 16]	2792	[4573, 3327]	5577	[7633, 7634]	8362	[2728, 9016]
8	[17, 18]	2793	[4574, 3187]	5578	[7635, 7636]	8363	[9847, 9848]
9	[19, 20]	2794	[4575, 4576]	5579	[3435, 437]	8364	[9849, 5182]
10	[21, 22]	2795	[4577, 4578]	5580	[7250, 7637]	8365	[6419, 9850]
11	[23, 24]	2796	[4579, 4580]	5581	[3706, 4771]	8366	[9851, 2376]
12	[25, 26]	2797	[1503, 255]	5582	[7638, 4022]	8367	[173, 863]
13	[27, 28]	2798	[4581, 4582]	5583	[7639, 7640]	8368	[9007, 9348]
14	[29, 30]	2799	[4583, 1683]	5584	[7641, 7642]	8369	[9302, 2615]
15	[31, 32]	2800	[1400, 4366]	5585	[7643, 877]	8370	[9852, 6292]
16	[33, 34]	2801	[4584, 3977]	5586	[4098, 7644]	8371	[5125, 8778]
17	[35, 36]	2802	[1339, 4585]	5587	[7645, 4356]	8372	[9853, 9662]
18	[37, 38]	2803	[4586, 4587]	5588	[1134, 3689]	8373	[9854, 6191]
19	[39, 40]	2804	[4257, 4370]	5589	[476, 1023]	8374	[9855, 5808]
20	[41, 42]	2805	[4588, 4589]	5590	[7646, 7647]	8375	[9856, 6395]
21	[43, 44]	2806	[4590, 4591]	5591	[7648, 3639]	8376	[5249, 6403]
22	[45, 46]	2807	[4592, 4593]	5592	[4274, 3372]	8377	[9857, 8978]
23	[47, 48]	2808	[3044, 5]	5593	[7649, 7650]	8378	[9858, 9547]
24	[49, 50]	2809	[4594, 3679]	5594	[7651, 3071]	8379	[6517, 6672]
25	[51, 52]	2810	[4595, 3664]	5595	[7652, 452]	8380	[9859, 4965]
26	[53, 54]	2811	[4596, 4597]	5596	[7653, 3878]	8381	[6196, 896]
27	[55, 56]	2812	[4598, 3617]	5597	[1445, 4328]	8382	[9860, 6189]
28	[57, 58]	2813	[4599, 4600]	5598	[4676, 1667]	8383	[9861, 9266]
29	[59, 60]	2814	[4601, 417]	5599	[7654, 7655]	8384	[9003, 9393]
30	[61, 62]	2815	[4602, 1589]	5600	[7656, 7657]	8385	[9758, 206]

31	[63, 64]	2816	[4603, 3342]	5601	[4263, 7303]	8386	[9151, 9862]
32	[65, 66]	2817	[4604, 3068]	5602	[4749, 4706]	8387	[9863, 6731]
33	[67, 68]	2818	[4605, 949]	5603	[1085, 7658]	8388	[9745, 8857]
34	[69, 70]	2819	[4223, 4606]	5604	[7659, 7660]	8389	[9864, 2879]
35	[71, 72]	2820	[4607, 3633]	5605	[3812, 3127]	8390	[9865, 9152]
36	[73, 74]	2821	[4608, 1446]	5606	[7661, 4775]	8391	[9866, 509]
37	[75, 76]	2822	[4609, 4610]	5607	[7176, 3131]	8392	[2064, 9867]
38	[77, 78]	2823	[4611, 4612]	5608	[7662, 4169]	8393	[9868, 633]
39	[79, 80]	2824	[4039, 4613]	5609	[7663, 3603]	8394	[5295, 5238]
40	[81, 82]	2825	[4593, 4614]	5610	[7664, 7665]	8395	[9869, 623]
41	[83, 84]	2826	[4615, 4616]	5611	[1242, 7666]	8396	[9870, 6507]
42	[85, 86]	2827	[4617, 1162]	5612	[7667, 7668]	8397	[9871, 9872]
43	[87, 88]	2828	[4618, 4619]	5613	[7669, 3464]	8398	[9873, 9803]
44	[89, 90]	2829	[3352, 1521]	5614	[7670, 7671]	8399	[9874, 2174]
45	[91, 92]	2830	[4620, 1248]	5615	[7672, 1441]	8400	[9077, 6484]
46	[93, 94]	2831	[4621, 4622]	5616	[7673, 4515]	8401	[9875, 6565]
47	[95, 96]	2832	[3113, 3671]	5617	[7674, 3481]	8402	[9876, 5774]
48	[97, 98]	2833	[3695, 4623]	5618	[4667, 4015]	8403	[9586, 9147]
49	[99, 100]	2834	[4624, 4625]	5619	[1271, 7675]	8404	[602, 2576]
50	[101, 102]	2835	[4626, 4627]	5620	[3472, 333]	8405	[2971, 9877]
51	[103, 104]	2836	[1507, 4149]	5621	[1362, 3210]	8406	[5733, 9429]
52	[105, 106]	2837	[4628, 4629]	5622	[7676, 7677]	8407	[9878, 2720]
53	[107, 108]	2838	[3666, 3074]	5623	[4679, 4600]	8408	[702, 6695]
54	[109, 110]	2839	[4562, 4630]	5624	[7678, 4544]	8409	[9879, 9880]
55	[111, 112]	2840	[4631, 4632]	5625	[7559, 7679]	8410	[9881, 5093]
56	[113, 114]	2841	[4633, 4634]	5626	[7680, 1472]	8411	[9882, 9883]
57	[115, 116]	2842	[4635, 3403]	5627	[7681, 1674]	8412	[9884, 5389]
58	[117, 118]	2843	[4636, 4637]	5628	[3119, 7682]	8413	[2042, 5268]
59	[119, 120]	2844	[4638, 4639]	5629	[7683, 7684]	8414	[9885, 9025]
60	[121, 122]	2845	[4640, 4608]	5630	[6885, 7157]	8415	[9886, 2339]
61	[123, 124]	2846	[1611, 1303]	5631	[6886, 7685]	8416	[9887, 2689]
62	[125, 126]	2847	[1580, 391]	5632	[1521, 6940]	8417	[9595, 9737]
63	[127, 128]	2848	[3626, 4641]	5633	[1659, 7686]	8418	[9888, 9889]
64	[129, 130]	2849	[1055, 1203]	5634	[7687, 7688]	8419	[9890, 9281]
65	[131, 132]	2850	[1295, 492]	5635	[4048, 7689]	8420	[9791, 8878]
66	[133, 134]	2851	[1021, 4642]	5636	[7690, 4047]	8421	[9891, 4956]
67	[135, 136]	2852	[4643, 4644]	5637	[7691, 7692]	8422	[9892, 9893]
68	[137, 138]	2853	[4645, 4568]	5638	[7693, 3305]	8423	[9894, 2825]
69	[139, 140]	2854	[3874, 4534]	5639	[7694, 396]	8424	[9895, 4922]
70	[141, 142]	2855	[4646, 3247]	5640	[7166, 6911]	8425	[9896, 9880]
71	[143, 144]	2856	[4647, 1510]	5641	[7695, 7696]	8426	[9897, 9898]
72	[145, 146]	2857	[4648, 4649]	5642	[7697, 308]	8427	[2440, 512]
73	[147, 148]	2858	[1636, 1641]	5643	[3844, 7698]	8428	[5442, 5737]
74	[149, 150]	2859	[4642, 4650]	5644	[7134, 7699]	8429	[939, 9468]

75	[151, 152]	2860	[1074, 4161]	5645	[7408, 7700]	8430	[6140, 5879]
76	[153, 154]	2861	[4651, 4652]	5646	[7268, 1207]	8431	[5606, 5224]
77	[155, 156]	2862	[1181, 4653]	5647	[4638, 7701]	8432	[9899, 696]
78	[157, 158]	2863	[16, 1147]	5648	[3716, 7702]	8433	[841, 9440]
79	[159, 160]	2864	[3245, 3048]	5649	[7703, 7704]	8434	[6371, 6842]
80	[161, 162]	2865	[4654, 4655]	5650	[7705, 3986]	8435	[9900, 6492]
81	[163, 164]	2866	[4656, 3739]	5651	[7706, 3334]	8436	[8988, 8784]
82	[165, 166]	2867	[4657, 4658]	5652	[3300, 7707]	8437	[9901, 2520]
83	[167, 168]	2868	[4659, 4660]	5653	[7708, 7709]	8438	[5258, 1962]
84	[169, 170]	2869	[4661, 4662]	5654	[7710, 3120]	8439	[5847, 9902]
85	[171, 172]	2870	[4663, 4664]	5655	[7711, 7712]	8440	[6379, 2779]
86	[173, 174]	2871	[4665, 4666]	5656	[7389, 3088]	8441	[6703, 9903]
87	[175, 176]	2872	[4667, 4668]	5657	[7713, 7714]	8442	[9904, 5819]
88	[177, 178]	2873	[4669, 1546]	5658	[7095, 3591]	8443	[9905, 8816]
89	[179, 180]	2874	[272, 4562]	5659	[1069, 7715]	8444	[9653, 2433]
90	[181, 182]	2875	[352, 4670]	5660	[418, 1164]	8445	[9509, 9906]
91	[183, 184]	2876	[4671, 19]	5661	[7716, 4464]	8446	[9907, 6771]
92	[185, 186]	2877	[4672, 4299]	5662	[7717, 7404]	8447	[9194, 9908]
93	[187, 188]	2878	[3914, 3954]	5663	[7718, 7719]	8448	[2300, 2613]
94	[189, 190]	2879	[4673, 3923]	5664	[1070, 398]	8449	[9909, 9144]
95	[191, 192]	2880	[4674, 1315]	5665	[7720, 7721]	8450	[6652, 9004]
96	[193, 194]	2881	[4675, 3373]	5666	[7722, 7723]	8451	[9910, 5819]
97	[195, 196]	2882	[4358, 3654]	5667	[7724, 3193]	8452	[9911, 8870]
98	[197, 198]	2883	[1393, 4676]	5668	[7725, 4864]	8453	[9832, 5892]
99	[199, 200]	2884	[4677, 1218]	5669	[350, 7726]	8454	[9912, 2569]
100	[201, 202]	2885	[4678, 4679]	5670	[7727, 1103]	8455	[6166, 9439]
101	[203, 204]	2886	[4680, 4681]	5671	[7728, 7642]	8456	[9913, 5748]
102	[205, 206]	2887	[4682, 3574]	5672	[7729, 7730]	8457	[6781, 9914]
103	[207, 208]	2888	[4683, 4684]	5673	[7731, 3234]	8458	[9915, 9916]
104	[209, 210]	2889	[4685, 4686]	5674	[7732, 3543]	8459	[9917, 4924]
105	[211, 212]	2890	[416, 4687]	5675	[7237, 7733]	8460	[6602, 9539]
106	[213, 214]	2891	[4349, 4688]	5676	[983, 7734]	8461	[9608, 5963]
107	[215, 216]	2892	[4508, 1536]	5677	[7735, 1529]	8462	[9918, 140]
108	[217, 218]	2893	[4689, 4054]	5678	[7736, 1435]	8463	[9662, 643]
109	[219, 220]	2894	[1343, 4690]	5679	[7737, 7677]	8464	[5892, 9919]
110	[221, 222]	2895	[3409, 1225]	5680	[325, 7738]	8465	[9920, 5715]
111	[223, 224]	2896	[4691, 3938]	5681	[7739, 7740]	8466	[6448, 6066]
112	[225, 226]	2897	[4692, 4693]	5682	[7741, 1543]	8467	[9545, 2221]
113	[227, 228]	2898	[4694, 4695]	5683	[7742, 4512]	8468	[9784, 6384]
114	[229, 230]	2899	[4696, 4697]	5684	[1621, 4482]	8469	[9921, 6407]
115	[231, 232]	2900	[4698, 4576]	5685	[7743, 7744]	8470	[5085, 5179]
116	[233, 234]	2901	[4699, 4700]	5686	[7410, 300]	8471	[9922, 8792]
117	[235, 236]	2902	[4701, 3457]	5687	[4867, 344]	8472	[825, 6208]
118	[237, 238]	2903	[4702, 4703]	5688	[7745, 7746]	8473	[2459, 2187]

119	[239, 240]	2904	[3283, 4001]	5689	[7441, 4314]	8474	[9877, 9923]
120	[241, 242]	2905	[407, 3891]	5690	[7747, 7748]	8475	[4946, 5263]
121	[243, 244]	2906	[4704, 1204]	5691	[7749, 1607]	8476	[5444, 2659]
122	[245, 246]	2907	[4705, 3842]	5692	[1258, 4652]	8477	[9924, 2647]
123	[247, 248]	2908	[4706, 3643]	5693	[7750, 7289]	8478	[2972, 9923]
124	[249, 250]	2909	[4707, 4708]	5694	[7751, 332]	8479	[9925, 2321]
125	[251, 252]	2910	[4709, 3088]	5695	[3679, 1186]	8480	[9926, 9927]
126	[253, 254]	2911	[4710, 4711]	5696	[4247, 4243]	8481	[9928, 6341]
127	[255, 256]	2912	[949, 4583]	5697	[7186, 3171]	8482	[9410, 6245]
128	[257, 258]	2913	[4712, 3061]	5698	[7146, 7752]	8483	[6158, 615]
129	[259, 260]	2914	[4713, 4714]	5699	[4240, 7753]	8484	[897, 2121]
130	[261, 262]	2915	[4715, 4716]	5700	[7173, 1584]	8485	[9720, 5573]
131	[263, 264]	2916	[4717, 4718]	5701	[4777, 23]	8486	[9929, 9355]
132	[265, 266]	2917	[4719, 4720]	5702	[3507, 1614]	8487	[9930, 9931]
133	[267, 268]	2918	[4721, 4722]	5703	[7754, 3530]	8488	[152, 1894]
134	[269, 270]	2919	[3035, 3044]	5704	[7755, 7517]	8489	[2212, 4988]
135	[271, 272]	2920	[4723, 4340]	5705	[7756, 7757]	8490	[9770, 5264]
136	[273, 274]	2921	[4724, 4725]	5706	[7758, 7759]	8491	[5140, 5276]
137	[275, 276]	2922	[4726, 334]	5707	[7760, 7761]	8492	[5729, 2716]
138	[277, 278]	2923	[4727, 4728]	5708	[7762, 3349]	8493	[2381, 6419]
139	[279, 280]	2924	[4729, 4087]	5709	[7763, 7764]	8494	[2774, 9399]
140	[281, 282]	2925	[4730, 4731]	5710	[7391, 3638]	8495	[9650, 9932]
141	[283, 284]	2926	[1505, 1288]	5711	[7765, 7766]	8496	[9933, 9136]
142	[285, 286]	2927	[4732, 4177]	5712	[7767, 7768]	8497	[6809, 9134]
143	[287, 288]	2928	[4733, 3173]	5713	[3419, 7483]	8498	[9443, 759]
144	[289, 290]	2929	[4734, 4735]	5714	[7769, 301]	8499	[2766, 9934]
145	[291, 292]	2930	[307, 4736]	5715	[7770, 7771]	8500	[2174, 2253]
146	[293, 294]	2931	[4737, 4738]	5716	[7772, 1558]	8501	[2883, 6340]
147	[295, 296]	2932	[4739, 1306]	5717	[7773, 7774]	8502	[9935, 2056]
148	[297, 298]	2933	[4740, 4741]	5718	[1041, 4673]	8503	[9936, 9116]
149	[299, 300]	2934	[4742, 4621]	5719	[7775, 7776]	8504	[5470, 672]
150	[301, 302]	2935	[4743, 4744]	5720	[4683, 7777]	8505	[9858, 8859]
151	[303, 268]	2936	[3297, 4457]	5721	[3390, 7519]	8506	[6535, 1798]
152	[304, 305]	2937	[4745, 4746]	5722	[7778, 3575]	8507	[186, 5005]
153	[306, 307]	2938	[4747, 4748]	5723	[7380, 1149]	8508	[9139, 627]
154	[308, 309]	2939	[4749, 3642]	5724	[7412, 3355]	8509	[9937, 650]
155	[310, 311]	2940	[4750, 4722]	5725	[4630, 7779]	8510	[9938, 9939]
156	[312, 313]	2941	[4751, 4752]	5726	[7780, 7523]	8511	[9940, 2971]
157	[314, 315]	2942	[4753, 3520]	5727	[7781, 7782]	8512	[9941, 6257]
158	[316, 317]	2943	[4754, 3949]	5728	[7783, 3404]	8513	[9942, 9943]
159	[318, 319]	2944	[4755, 4756]	5729	[7784, 7466]	8514	[6777, 5827]
160	[320, 321]	2945	[3175, 4757]	5730	[3989, 3941]	8515	[5081, 9944]
161	[322, 98]	2946	[4758, 4759]	5731	[3209, 7262]	8516	[9945, 9314]
162	[323, 324]	2947	[4760, 1264]	5732	[7785, 7786]	8517	[6174, 9250]

163	[325, 326]	2948	[4704, 3219]	5733	[7787, 7788]	8518	[2248, 2537]
164	[327, 328]	2949	[3484, 3625]	5734	[7789, 3462]	8519	[9574, 9392]
165	[329, 330]	2950	[4325, 4761]	5735	[978, 7790]	8520	[6181, 2109]
166	[331, 332]	2951	[4762, 4763]	5736	[7791, 1149]	8521	[9946, 4980]
167	[333, 334]	2952	[4748, 1735]	5737	[7163, 7792]	8522	[9947, 1872]
168	[335, 336]	2953	[4764, 1635]	5738	[7793, 484]	8523	[9948, 589]
169	[337, 338]	2954	[4765, 4766]	5739	[7794, 7795]	8524	[9156, 9877]
170	[339, 340]	2955	[4767, 4768]	5740	[3142, 7616]	8525	[9949, 6835]
171	[341, 342]	2956	[4769, 1572]	5741	[6992, 1528]	8526	[6735, 2718]
172	[343, 344]	2957	[4770, 4771]	5742	[7796, 308]	8527	[9950, 9212]
173	[345, 346]	2958	[4772, 3740]	5743	[7797, 3594]	8528	[8898, 9951]
174	[347, 348]	2959	[4773, 3098]	5744	[4285, 4432]	8529	[9533, 872]
175	[349, 350]	2960	[4774, 4657]	5745	[7798, 4463]	8530	[9865, 9862]
176	[351, 352]	2961	[4775, 269]	5746	[7647, 973]	8531	[5048, 8805]
177	[353, 354]	2962	[4776, 4777]	5747	[7799, 7800]	8532	[9952, 2496]
178	[355, 356]	2963	[4778, 110]	5748	[7801, 472]	8533	[9953, 1819]
179	[357, 358]	2964	[4779, 4780]	5749	[7802, 3037]	8534	[8781, 6257]
180	[359, 360]	2965	[4781, 3786]	5750	[3788, 7706]	8535	[9954, 2591]
181	[361, 362]	2966	[4782, 1346]	5751	[7803, 363]	8536	[9955, 9956]
182	[363, 364]	2967	[4783, 4784]	5752	[4468, 1234]	8537	[9069, 5417]
183	[365, 366]	2968	[4177, 3175]	5753	[7804, 7805]	8538	[9957, 6549]
184	[367, 368]	2969	[4785, 4786]	5754	[7806, 3354]	8539	[9958, 5444]
185	[369, 370]	2970	[4257, 4787]	5755	[4497, 7165]	8540	[6576, 9683]
186	[371, 372]	2971	[4788, 4789]	5756	[7807, 7808]	8541	[9959, 4899]
187	[373, 374]	2972	[4059, 4790]	5757	[7809, 7810]	8542	[6765, 689]
188	[375, 376]	2973	[4791, 1002]	5758	[7811, 7812]	8543	[9768, 9076]
189	[377, 378]	2974	[4792, 4793]	5759	[7045, 7813]	8544	[5584, 2574]
190	[379, 380]	2975	[4794, 387]	5760	[7814, 3078]	8545	[9960, 2048]
191	[381, 382]	2976	[4795, 4796]	5761	[7815, 7696]	8546	[9961, 5326]
192	[383, 384]	2977	[4797, 4798]	5762	[1256, 3398]	8547	[9268, 4892]
193	[385, 386]	2978	[4799, 4541]	5763	[7617, 1112]	8548	[2279, 6378]
194	[387, 388]	2979	[4735, 1690]	5764	[3391, 357]	8549	[6117, 2430]
195	[389, 390]	2980	[4800, 1437]	5765	[4612, 4104]	8550	[8804, 1825]
196	[391, 392]	2981	[4801, 4802]	5766	[4389, 7132]	8551	[5452, 9278]
197	[393, 394]	2982	[4175, 4803]	5767	[7816, 7817]	8552	[2923, 2599]
198	[84, 395]	2983	[352, 4804]	5768	[7147, 4691]	8553	[5716, 756]
199	[396, 397]	2984	[4805, 114]	5769	[7818, 7819]	8554	[2533, 5227]
200	[398, 399]	2985	[4806, 1513]	5770	[4266, 7170]	8555	[9962, 9963]
201	[400, 401]	2986	[3800, 4807]	5771	[7820, 7414]	8556	[8941, 865]
202	[402, 403]	2987	[4808, 4429]	5772	[7821, 3511]	8557	[9964, 5437]
203	[404, 405]	2988	[4809, 3669]	5773	[7822, 7823]	8558	[9965, 5941]
204	[406, 407]	2989	[4810, 4811]	5774	[7824, 6984]	8559	[5039, 5292]
205	[408, 409]	2990	[4812, 4813]	5775	[7825, 290]	8560	[9539, 5245]
206	[410, 29]	2991	[1389, 4814]	5776	[7826, 1480]	8561	[9966, 6675]

207	[411, 412]	2992	[4815, 4496]	5777	[4462, 3898]	8562	[9967, 2604]
208	[413, 414]	2993	[4816, 4817]	5778	[7827, 7828]	8563	[5429, 2221]
209	[415, 416]	2994	[4818, 4819]	5779	[7829, 3051]	8564	[6266, 9944]
210	[417, 418]	2995	[1516, 4820]	5780	[7830, 1525]	8565	[9968, 6307]
211	[419, 420]	2996	[4821, 4607]	5781	[7831, 3429]	8566	[9380, 6776]
212	[421, 422]	2997	[4822, 3634]	5782	[7832, 1026]	8567	[928, 3029]
213	[423, 424]	2998	[4474, 1193]	5783	[7833, 4635]	8568	[9969, 9201]
214	[425, 426]	2999	[4823, 4824]	5784	[7834, 7028]	8569	[9970, 6187]
215	[427, 428]	3000	[4825, 1214]	5785	[7835, 3957]	8570	[6623, 9331]
216	[429, 430]	3001	[4826, 3037]	5786	[7836, 7139]	8571	[9971, 8970]
217	[431, 432]	3002	[4827, 4828]	5787	[1400, 7437]	8572	[2870, 6265]
218	[433, 434]	3003	[4829, 4830]	5788	[7837, 7628]	8573	[4981, 6061]
219	[435, 436]	3004	[4723, 4831]	5789	[7838, 485]	8574	[9972, 6711]
220	[437, 438]	3005	[3369, 3991]	5790	[7839, 7840]	8575	[9674, 5642]
221	[439, 440]	3006	[3245, 4832]	5791	[7841, 4638]	8576	[9973, 6544]
222	[441, 442]	3007	[4833, 4587]	5792	[1714, 7842]	8577	[2455, 6765]
223	[443, 444]	3008	[987, 3580]	5793	[7843, 4650]	8578	[1766, 3032]
224	[445, 446]	3009	[4834, 4835]	5794	[7844, 7278]	8579	[9974, 5813]
225	[447, 448]	3010	[1683, 4655]	5795	[7845, 3427]	8580	[9975, 8967]
226	[449, 450]	3011	[4836, 1287]	5796	[7846, 4664]	8581	[776, 683]
227	[451, 452]	3012	[4837, 4838]	5797	[7847, 7848]	8582	[9615, 6128]
228	[453, 454]	3013	[4839, 4840]	5798	[3320, 1459]	8583	[9976, 9977]
229	[455, 456]	3014	[4841, 4842]	5799	[7849, 415]	8584	[9978, 3013]
230	[457, 458]	3015	[4843, 4844]	5800	[7850, 1617]	8585	[6420, 6234]
231	[459, 460]	3016	[4845, 3205]	5801	[266, 7668]	8586	[5173, 4950]
232	[461, 462]	3017	[3126, 4846]	5802	[7851, 4113]	8587	[6094, 5369]
233	[463, 464]	3018	[4847, 1059]	5803	[7852, 4659]	8588	[9979, 2032]
234	[465, 466]	3019	[4848, 4849]	5804	[335, 4035]	8589	[2966, 2224]
235	[467, 468]	3020	[4850, 410]	5805	[7853, 7854]	8590	[5645, 6224]
236	[469, 470]	3021	[4851, 4852]	5806	[7855, 3105]	8591	[9980, 9981]
237	[64, 471]	3022	[4853, 4854]	5807	[7856, 4197]	8592	[9982, 9261]
238	[334, 472]	3023	[4855, 1603]	5808	[7857, 6974]	8593	[9983, 9848]
239	[473, 474]	3024	[4856, 4857]	5809	[7458, 7858]	8594	[8989, 9984]
240	[475, 476]	3025	[4858, 4859]	5810	[7859, 7860]	8595	[201, 2391]
241	[477, 392]	3026	[4860, 4861]	5811	[3907, 7861]	8596	[6335, 5189]
242	[478, 479]	3027	[4849, 4862]	5812	[7862, 7839]	8597	[5623, 2479]
243	[480, 481]	3028	[4863, 3869]	5813	[7863, 4448]	8598	[9985, 8804]
244	[482, 331]	3029	[4864, 4865]	5814	[7864, 7865]	8599	[9986, 253]
245	[483, 484]	3030	[4626, 3366]	5815	[7631, 7866]	8600	[5287, 4895]
246	[485, 371]	3031	[4866, 4867]	5816	[7867, 7794]	8601	[2880, 9893]
247	[450, 486]	3032	[1297, 109]	5817	[7628, 3401]	8602	[5774, 2873]
248	[487, 488]	3033	[3045, 6]	5818	[7868, 446]	8603	[8765, 5208]
249	[489, 88]	3034	[4868, 4869]	5819	[7869, 309]	8604	[851, 9987]
250	[490, 491]	3035	[4870, 11]	5820	[1257, 7870]	8605	[1888, 1911]

251	[492, 493]	3036	[2399, 842]	5821	[7871, 7070]	8606	[5899, 2283]
252	[494, 23]	3037	[4871, 2500]	5822	[7501, 1174]	8607	[2199, 9495]
253	[495, 105]	3038	[4872, 4873]	5823	[7872, 7873]	8608	[6160, 2907]
254	[496, 497]	3039	[4874, 2547]	5824	[3142, 3262]	8609	[5440, 9380]
255	[498, 499]	3040	[4875, 2037]	5825	[1141, 7874]	8610	[6087, 5120]
256	[500, 501]	3041	[4876, 2788]	5826	[7875, 4716]	8611	[2036, 6628]
257	[502, 503]	3042	[4877, 4878]	5827	[3525, 3149]	8612	[1774, 8784]
258	[504, 505]	3043	[2146, 4879]	5828	[4365, 7242]	8613	[9988, 6005]
259	[506, 507]	3044	[4869, 13]	5829	[7876, 1014]	8614	[9989, 2504]
260	[508, 509]	3045	[4880, 2424]	5830	[7877, 6927]	8615	[9334, 6267]
261	[510, 511]	3046	[728, 639]	5831	[3476, 7576]	8616	[8901, 6204]
262	[512, 513]	3047	[4881, 186]	5832	[997, 7878]	8617	[6383, 9785]
263	[514, 515]	3048	[4882, 164]	5833	[7879, 4647]	8618	[2102, 9990]
264	[516, 517]	3049	[4883, 737]	5834	[3459, 7405]	8619	[9662, 9045]
265	[518, 519]	3050	[4884, 4885]	5835	[7880, 3421]	8620	[9991, 6662]
266	[520, 521]	3051	[4886, 4887]	5836	[7881, 1182]	8621	[9992, 9242]
267	[522, 523]	3052	[4888, 4889]	5837	[3661, 7882]	8622	[5065, 9284]
268	[524, 150]	3053	[4890, 4891]	5838	[7883, 7884]	8623	[5384, 6783]
269	[525, 526]	3054	[4892, 4893]	5839	[1044, 3107]	8624	[9993, 9994]
270	[527, 528]	3055	[4894, 4895]	5840	[7885, 3976]	8625	[6605, 9995]
271	[529, 530]	3056	[4896, 4897]	5841	[3360, 4394]	8626	[5493, 2899]
272	[531, 532]	3057	[4898, 4899]	5842	[7886, 4496]	8627	[9325, 2322]
273	[533, 534]	3058	[4900, 4901]	5843	[7887, 7888]	8628	[9742, 5218]
274	[535, 536]	3059	[132, 4873]	5844	[7889, 7890]	8629	[2665, 9101]
275	[537, 538]	3060	[4902, 2921]	5845	[7891, 7346]	8630	[1938, 9575]
276	[539, 540]	3061	[4903, 1883]	5846	[7892, 7893]	8631	[8797, 6612]
277	[541, 542]	3062	[2537, 240]	5847	[1396, 7894]	8632	[9996, 9997]
278	[543, 544]	3063	[2151, 4904]	5848	[7895, 7896]	8633	[2014, 9998]
279	[545, 546]	3064	[4905, 4906]	5849	[1303, 4775]	8634	[9729, 5377]
280	[547, 548]	3065	[4907, 4908]	5850	[3958, 7897]	8635	[9999, 9652]
281	[549, 550]	3066	[4909, 4910]	5851	[7898, 7899]	8636	[9568, 2524]
282	[551, 552]	3067	[4911, 1873]	5852	[7900, 7245]	8637	[10000, 217]
283	[553, 554]	3068	[4912, 574]	5853	[3816, 6943]	8638	[8849, 5697]
284	[555, 556]	3069	[4913, 840]	5854	[7901, 3592]	8639	[9799, 9867]
285	[254, 52]	3070	[2205, 2217]	5855	[7534, 7902]	8640	[9188, 5185]
286	[557, 558]	3071	[4914, 2360]	5856	[7903, 3645]	8641	[6421, 6235]
287	[559, 560]	3072	[4915, 4916]	5857	[4277, 3911]	8642	[10001, 6752]
288	[561, 562]	3073	[4917, 4918]	5858	[315, 7904]	8643	[6456, 2734]
289	[563, 564]	3074	[4919, 202]	5859	[4619, 7905]	8644	[9682, 6577]
290	[565, 566]	3075	[4920, 4921]	5860	[7906, 3474]	8645	[10002, 5828]
291	[567, 568]	3076	[4922, 2064]	5861	[6928, 7885]	8646	[2084, 5729]
292	[569, 570]	3077	[4923, 4924]	5862	[68, 3660]	8647	[6683, 9621]
293	[571, 572]	3078	[4925, 4926]	5863	[478, 7907]	8648	[10003, 9573]
294	[573, 574]	3079	[4927, 4928]	5864	[7908, 3924]	8649	[1816, 2962]

295	[575, 576]	3080	[4929, 4930]	5865	[7909, 1747]	8650	[9467, 8840]
296	[577, 578]	3081	[4931, 4932]	5866	[3346, 7910]	8651	[10004, 2862]
297	[579, 580]	3082	[4933, 4934]	5867	[3051, 7911]	8652	[894, 6726]
298	[581, 582]	3083	[4935, 4936]	5868	[1195, 7912]	8653	[9696, 856]
299	[583, 584]	3084	[4894, 4937]	5869	[7913, 7914]	8654	[10005, 2435]
300	[585, 586]	3085	[4938, 4939]	5870	[3595, 4249]	8655	[10006, 2568]
301	[587, 588]	3086	[4940, 800]	5871	[7915, 7916]	8656	[10007, 6632]
302	[589, 590]	3087	[4941, 212]	5872	[7917, 4558]	8657	[10008, 2421]
303	[591, 592]	3088	[4942, 678]	5873	[7918, 4618]	8658	[10009, 10010]
304	[593, 594]	3089	[2141, 1851]	5874	[7919, 7920]	8659	[5816, 5415]
305	[595, 596]	3090	[4943, 4944]	5875	[7921, 4055]	8660	[6572, 6217]
306	[597, 598]	3091	[4945, 4946]	5876	[3260, 4784]	8661	[6364, 2182]
307	[599, 600]	3092	[4947, 4948]	5877	[7922, 3217]	8662	[10011, 5031]
308	[601, 602]	3093	[4949, 4950]	5878	[3857, 7145]	8663	[5256, 649]
309	[603, 604]	3094	[4951, 4952]	5879	[1430, 7817]	8664	[4881, 853]
310	[605, 606]	3095	[4953, 4954]	5880	[4090, 7923]	8665	[10012, 222]
311	[607, 608]	3096	[4955, 4956]	5881	[7924, 7166]	8666	[10013, 6007]
312	[609, 610]	3097	[4957, 176]	5882	[7925, 4235]	8667	[6124, 6496]
313	[611, 612]	3098	[2863, 4958]	5883	[7926, 3916]	8668	[10014, 9003]
314	[613, 614]	3099	[233, 4959]	5884	[3762, 27]	8669	[10015, 527]
315	[615, 616]	3100	[4960, 4961]	5885	[7927, 7928]	8670	[5485, 2750]
316	[617, 54]	3101	[936, 2514]	5886	[7929, 3343]	8671	[5091, 2223]
317	[618, 619]	3102	[4962, 4946]	5887	[7874, 454]	8672	[10016, 9174]
318	[620, 621]	3103	[4963, 4964]	5888	[7930, 7136]	8673	[9675, 5650]
319	[622, 623]	3104	[198, 4965]	5889	[4272, 7931]	8674	[6621, 152]
320	[624, 625]	3105	[4966, 58]	5890	[4274, 4675]	8675	[5634, 2835]
321	[626, 627]	3106	[4967, 2202]	5891	[7932, 7933]	8676	[2075, 9373]
322	[628, 629]	3107	[1922, 4968]	5892	[7934, 7465]	8677	[10017, 2824]
323	[630, 631]	3108	[4969, 4970]	5893	[7935, 433]	8678	[590, 1920]
324	[632, 633]	3109	[932, 4971]	5894	[4282, 7936]	8679	[10018, 9277]
325	[634, 635]	3110	[4972, 4973]	5895	[7937, 7938]	8680	[9792, 2770]
326	[636, 637]	3111	[4974, 656]	5896	[7939, 7940]	8681	[9939, 6421]
327	[638, 639]	3112	[2332, 2266]	5897	[3869, 4189]	8682	[10019, 10020]
328	[640, 641]	3113	[600, 2950]	5898	[7941, 1232]	8683	[681, 5394]
329	[642, 643]	3114	[4975, 4976]	5899	[7942, 362]	8684	[6329, 1863]
330	[644, 645]	3115	[4977, 4978]	5900	[7943, 278]	8685	[2028, 8933]
331	[646, 647]	3116	[4979, 4980]	5901	[7944, 7945]	8686	[9717, 5844]
332	[648, 649]	3117	[4981, 2101]	5902	[7946, 4334]	8687	[10021, 9083]
333	[650, 651]	3118	[1773, 4982]	5903	[7947, 3498]	8688	[2546, 10022]
334	[652, 653]	3119	[4983, 4984]	5904	[3066, 7948]	8689	[10023, 6358]
335	[654, 655]	3120	[4985, 4986]	5905	[7949, 3534]	8690	[10024, 5059]
336	[656, 657]	3121	[4987, 37]	5906	[4810, 7294]	8691	[4997, 9845]
337	[658, 659]	3122	[4988, 4989]	5907	[7950, 1102]	8692	[10025, 6180]
338	[660, 661]	3123	[4990, 2408]	5908	[7951, 3911]	8693	[10026, 712]

339	[662, 663]	3124	[4991, 4992]	5909	[3137, 7952]	8694	[9763, 8910]
340	[664, 665]	3125	[4993, 4994]	5910	[6968, 7953]	8695	[2919, 2807]
341	[666, 667]	3126	[4995, 562]	5911	[7954, 7557]	8696	[9508, 687]
342	[668, 669]	3127	[4996, 4997]	5912	[7955, 7344]	8697	[5923, 5803]
343	[670, 671]	3128	[826, 4998]	5913	[7956, 7957]	8698	[10027, 2624]
344	[672, 673]	3129	[4999, 905]	5914	[3826, 7958]	8699	[10028, 8944]
345	[674, 675]	3130	[5000, 5001]	5915	[7959, 7072]	8700	[2313, 6149]
346	[676, 677]	3131	[2990, 5002]	5916	[6898, 1161]	8701	[2566, 5558]
347	[678, 679]	3132	[5003, 5004]	5917	[6962, 7825]	8702	[10029, 2072]
348	[680, 681]	3133	[853, 5005]	5918	[3984, 1660]	8703	[9175, 8939]
349	[682, 683]	3134	[5006, 5007]	5919	[7960, 7961]	8704	[10030, 211]
350	[684, 685]	3135	[5008, 5009]	5920	[3763, 28]	8705	[2105, 6096]
351	[686, 687]	3136	[5010, 5011]	5921	[7962, 4262]	8706	[9113, 9361]
352	[688, 689]	3137	[5012, 5013]	5922	[4385, 7963]	8707	[10031, 2181]
353	[690, 691]	3138	[1770, 5014]	5923	[7964, 1307]	8708	[4978, 10022]
354	[692, 693]	3139	[5015, 5016]	5924	[7965, 3184]	8709	[9672, 9650]
355	[694, 695]	3140	[5017, 590]	5925	[7966, 428]	8710	[5335, 9496]
356	[696, 697]	3141	[631, 2477]	5926	[4765, 7967]	8711	[915, 6759]
357	[698, 699]	3142	[5018, 4921]	5927	[7968, 3250]	8712	[2491, 2587]
358	[700, 701]	3143	[5019, 749]	5928	[7969, 7970]	8713	[10032, 9504]
359	[702, 703]	3144	[5020, 5021]	5929	[7971, 1365]	8714	[9339, 5915]
360	[704, 705]	3145	[5022, 5023]	5930	[985, 7972]	8715	[10027, 2437]
361	[706, 228]	3146	[5024, 5025]	5931	[7973, 121]	8716	[10033, 646]
362	[230, 707]	3147	[5026, 2359]	5932	[7974, 4121]	8717	[2999, 6820]
363	[708, 621]	3148	[5027, 694]	5933	[7562, 4840]	8718	[4884, 2785]
364	[709, 710]	3149	[5028, 5029]	5934	[7975, 7976]	8719	[547, 5700]
365	[711, 712]	3150	[5030, 183]	5935	[7977, 7978]	8720	[5940, 6628]
366	[713, 604]	3151	[5031, 185]	5936	[7979, 420]	8721	[10034, 5083]
367	[714, 715]	3152	[5032, 5033]	5937	[28, 7980]	8722	[10035, 2374]
368	[716, 717]	3153	[5034, 1853]	5938	[1085, 7981]	8723	[8977, 1809]
369	[718, 719]	3154	[5035, 5036]	5939	[1220, 7982]	8724	[6513, 10036]
370	[720, 721]	3155	[5037, 5038]	5940	[7983, 7097]	8725	[10037, 1769]
371	[722, 11]	3156	[2364, 803]	5941	[7984, 7985]	8726	[10038, 4936]
372	[723, 724]	3157	[5039, 674]	5942	[1649, 1312]	8727	[2003, 8759]
373	[725, 726]	3158	[5040, 4984]	5943	[7986, 7987]	8728	[2891, 10039]
374	[727, 728]	3159	[5041, 4891]	5944	[4738, 4795]	8729	[2360, 2429]
375	[729, 730]	3160	[5042, 5043]	5945	[7988, 7989]	8730	[9808, 6171]
376	[731, 732]	3161	[5044, 5045]	5946	[7990, 3604]	8731	[9409, 10040]
377	[733, 734]	3162	[5046, 5047]	5947	[7991, 386]	8732	[10041, 9751]
378	[735, 736]	3163	[5048, 5049]	5948	[7992, 7679]	8733	[10042, 851]
379	[737, 738]	3164	[5050, 505]	5949	[1450, 3452]	8734	[10043, 5043]
380	[739, 740]	3165	[5051, 1909]	5950	[1010, 7993]	8735	[10044, 6260]
381	[741, 742]	3166	[3023, 5052]	5951	[7354, 7994]	8736	[10045, 799]
382	[743, 744]	3167	[5053, 220]	5952	[1417, 7995]	8737	[10046, 10047]

383	[745, 746]	3168	[2529, 5054]	5953	[7996, 1249]	8738	[10048, 6838]
384	[747, 748]	3169	[5055, 5056]	5954	[7997, 7998]	8739	[10049, 5454]
385	[749, 750]	3170	[2114, 835]	5955	[7999, 4837]	8740	[9350, 552]
386	[751, 752]	3171	[5057, 5058]	5956	[7098, 7153]	8741	[784, 4959]
387	[753, 754]	3172	[2005, 5059]	5957	[8000, 3526]	8742	[10050, 9838]
388	[755, 756]	3173	[5060, 768]	5958	[8001, 8002]	8743	[10051, 6411]
389	[757, 758]	3174	[5061, 134]	5959	[8003, 7535]	8744	[2120, 898]
390	[759, 760]	3175	[5062, 736]	5960	[8004, 303]	8745	[5901, 9235]
391	[761, 762]	3176	[2459, 5063]	5961	[7548, 7779]	8746	[9213, 747]
392	[763, 764]	3177	[5064, 5065]	5962	[3729, 8005]	8747	[9221, 2272]
393	[765, 766]	3178	[5066, 5067]	5963	[8006, 1640]	8748	[2919, 2294]
394	[767, 768]	3179	[689, 546]	5964	[8007, 8008]	8749	[2843, 5412]
395	[769, 770]	3180	[5068, 3031]	5965	[8009, 3805]	8750	[1685, 117]
396	[771, 772]	3181	[5069, 600]	5966	[8010, 8011]	8751	[10052, 125]
397	[773, 774]	3182	[5070, 2093]	5967	[8012, 4804]	8752	[10053, 7362]
398	[775, 776]	3183	[5071, 5072]	5968	[3582, 7194]	8753	[7554, 3252]
399	[777, 778]	3184	[5073, 3019]	5969	[8013, 6994]	8754	[8677, 4455]
400	[779, 780]	3185	[5074, 5075]	5970	[8014, 8015]	8755	[10054, 7493]
401	[781, 782]	3186	[5076, 5077]	5971	[1508, 8016]	8756	[10055, 10056]
402	[783, 56]	3187	[5078, 2570]	5972	[8017, 8018]	8757	[10057, 4408]
403	[784, 234]	3188	[5079, 5080]	5973	[3760, 8019]	8758	[10058, 7633]
404	[785, 786]	3189	[5081, 5082]	5974	[8020, 8021]	8759	[10059, 7989]
405	[787, 788]	3190	[5083, 1831]	5975	[8022, 8023]	8760	[10060, 10061]
406	[181, 789]	3191	[5084, 2344]	5976	[8024, 3868]	8761	[10062, 7458]
407	[790, 599]	3192	[901, 5085]	5977	[8025, 3294]	8762	[10063, 64]
408	[791, 792]	3193	[5086, 857]	5978	[8026, 1305]	8763	[10064, 1427]
409	[501, 685]	3194	[5087, 5088]	5979	[3417, 124]	8764	[1442, 10065]
410	[793, 794]	3195	[5089, 5090]	5980	[8027, 3878]	8765	[7382, 3584]
411	[795, 796]	3196	[5091, 619]	5981	[7172, 1583]	8766	[8711, 10066]
412	[797, 763]	3197	[2678, 2618]	5982	[4287, 1389]	8767	[7048, 7798]
413	[798, 799]	3198	[5092, 5093]	5983	[4737, 364]	8768	[471, 3191]
414	[800, 801]	3199	[608, 3017]	5984	[8028, 425]	8769	[386, 6934]
415	[802, 803]	3200	[5094, 2475]	5985	[1009, 7182]	8770	[10067, 3164]
416	[804, 805]	3201	[2451, 820]	5986	[8029, 8030]	8771	[8235, 8347]
417	[806, 807]	3202	[5095, 5096]	5987	[8031, 1401]	8772	[8594, 3134]
418	[808, 809]	3203	[5097, 532]	5988	[8032, 1475]	8773	[4154, 10068]
419	[810, 811]	3204	[5098, 183]	5989	[7322, 8021]	8774	[1018, 8562]
420	[812, 813]	3205	[5099, 2724]	5990	[7295, 4706]	8775	[7591, 10069]
421	[814, 815]	3206	[5100, 5101]	5991	[1698, 4547]	8776	[10070, 8476]
422	[550, 816]	3207	[5102, 5103]	5992	[331, 8033]	8777	[10071, 3630]
423	[817, 818]	3208	[5104, 5105]	5993	[8034, 8035]	8778	[10072, 10073]
424	[819, 820]	3209	[5106, 5107]	5994	[7312, 7101]	8779	[4593, 3970]
425	[821, 822]	3210	[5108, 2796]	5995	[8036, 7938]	8780	[8623, 7085]
426	[823, 824]	3211	[914, 5109]	5996	[4720, 1286]	8781	[10074, 7243]

427	[825, 826]	3212	[5110, 653]	5997	[8037, 1290]	8782	[10075, 8443]
428	[827, 762]	3213	[5111, 5112]	5998	[7090, 1163]	8783	[10076, 10077]
429	[828, 829]	3214	[2513, 5113]	5999	[8038, 950]	8784	[8654, 4137]
430	[830, 831]	3215	[5114, 5115]	6000	[8039, 3746]	8785	[3059, 8345]
431	[832, 833]	3216	[5116, 5117]	6001	[4743, 8040]	8786	[10078, 93]
432	[834, 835]	3217	[5118, 2249]	6002	[8041, 1226]	8787	[8470, 10079]
433	[836, 498]	3218	[5119, 5120]	6003	[471, 1106]	8788	[10080, 8512]
434	[837, 838]	3219	[5121, 2349]	6004	[3844, 3634]	8789	[1230, 10081]
435	[839, 840]	3220	[5122, 2507]	6005	[8042, 8043]	8790	[10082, 7466]
436	[841, 842]	3221	[5123, 770]	6006	[3693, 8044]	8791	[10083, 3103]
437	[582, 658]	3222	[4962, 5124]	6007	[8045, 8046]	8792	[8229, 7040]
438	[843, 844]	3223	[5125, 5126]	6008	[7897, 379]	8793	[10084, 3366]
439	[845, 846]	3224	[5127, 1841]	6009	[8047, 4105]	8794	[10085, 10086]
440	[847, 848]	3225	[5128, 871]	6010	[3537, 8048]	8795	[10087, 4825]
441	[849, 850]	3226	[5129, 902]	6011	[7916, 7102]	8796	[475, 6867]
442	[851, 852]	3227	[5130, 1916]	6012	[8049, 8050]	8797	[8128, 1352]
443	[185, 853]	3228	[5131, 53]	6013	[8051, 7340]	8798	[291, 3389]
444	[854, 855]	3229	[2078, 1835]	6014	[8052, 3479]	8799	[10088, 8168]
445	[856, 513]	3230	[5132, 4912]	6015	[8053, 8054]	8800	[10089, 10090]
446	[857, 858]	3231	[5133, 5134]	6016	[98, 3657]	8801	[10091, 436]
447	[859, 860]	3232	[5135, 5136]	6017	[276, 8055]	8802	[10092, 1619]
448	[861, 862]	3233	[5137, 5138]	6018	[8056, 8057]	8803	[4748, 7468]
449	[863, 864]	3234	[5139, 5140]	6019	[1266, 7253]	8804	[324, 1353]
450	[865, 866]	3235	[5141, 5142]	6020	[8058, 4119]	8805	[10093, 3278]
451	[867, 868]	3236	[5143, 167]	6021	[4175, 8059]	8806	[3937, 10094]
452	[869, 870]	3237	[744, 1967]	6022	[8060, 8061]	8807	[10095, 10096]
453	[54, 871]	3238	[5144, 5145]	6023	[1454, 8062]	8808	[10097, 7805]
454	[635, 872]	3239	[2328, 1862]	6024	[8063, 4649]	8809	[10098, 8730]
455	[543, 873]	3240	[5146, 4970]	6025	[972, 4832]	8810	[1575, 6972]
456	[874, 875]	3241	[5147, 178]	6026	[8064, 7237]	8811	[10099, 4048]
457	[876, 877]	3242	[5148, 5149]	6027	[4313, 3359]	8812	[4337, 10100]
458	[878, 879]	3243	[5150, 3004]	6028	[4745, 4548]	8813	[10101, 7436]
459	[880, 881]	3244	[2498, 5151]	6029	[8065, 8066]	8814	[10102, 1170]
460	[882, 883]	3245	[2319, 5152]	6030	[8067, 8068]	8815	[10103, 7739]
461	[884, 885]	3246	[2858, 878]	6031	[8069, 7729]	8816	[8152, 10104]
462	[886, 887]	3247	[5153, 1888]	6032	[8070, 7987]	8817	[10071, 8382]
463	[888, 889]	3248	[5154, 543]	6033	[8012, 4670]	8818	[1712, 4468]
464	[788, 890]	3249	[853, 5155]	6034	[8071, 3700]	8819	[10105, 8467]
465	[891, 892]	3250	[2928, 2968]	6035	[3509, 1300]	8820	[7878, 974]
466	[212, 732]	3251	[5156, 2812]	6036	[8072, 125]	8821	[10106, 1494]
467	[893, 894]	3252	[5157, 850]	6037	[491, 8073]	8822	[4208, 3963]
468	[895, 896]	3253	[606, 5158]	6038	[8074, 4799]	8823	[10107, 4359]
469	[897, 898]	3254	[5159, 5160]	6039	[8075, 8076]	8824	[10108, 7559]
470	[899, 900]	3255	[2175, 5161]	6040	[8077, 8078]	8825	[8103, 1526]

471	[128, 901]	3256	[692, 5162]	6041	[8079, 471]	8826	[989, 10109]
472	[902, 903]	3257	[5163, 5164]	6042	[8080, 3850]	8827	[10110, 3153]
473	[904, 905]	3258	[5165, 722]	6043	[8081, 4829]	8828	[10111, 7154]
474	[906, 38]	3259	[5166, 2937]	6044	[8082, 8083]	8829	[10112, 8153]
475	[907, 908]	3260	[5167, 794]	6045	[8084, 7997]	8830	[3748, 1603]
476	[909, 910]	3261	[5168, 5169]	6046	[8085, 284]	8831	[7854, 8106]
477	[911, 912]	3262	[5170, 5171]	6047	[8086, 8087]	8832	[8638, 4613]
478	[913, 914]	3263	[5172, 5173]	6048	[8088, 7383]	8833	[4492, 3217]
479	[915, 916]	3264	[5174, 2129]	6049	[6886, 1128]	8834	[1675, 7075]
480	[917, 918]	3265	[5175, 5176]	6050	[8089, 4162]	8835	[10113, 3136]
481	[919, 920]	3266	[2531, 196]	6051	[3658, 8090]	8836	[8249, 3315]
482	[921, 648]	3267	[221, 5177]	6052	[7960, 8091]	8837	[384, 10114]
483	[157, 922]	3268	[5178, 781]	6053	[7884, 1277]	8838	[1024, 3558]
484	[923, 924]	3269	[5179, 5180]	6054	[8092, 7386]	8839	[1332, 3804]
485	[925, 926]	3270	[5181, 5182]	6055	[3971, 4383]	8840	[3048, 7579]
486	[927, 928]	3271	[5183, 631]	6056	[8093, 267]	8841	[7275, 7458]
487	[929, 930]	3272	[5184, 5185]	6057	[4200, 1241]	8842	[8729, 10115]
488	[931, 932]	3273	[614, 5186]	6058	[8094, 3897]	8843	[3797, 1048]
489	[933, 934]	3274	[2920, 5187]	6059	[3376, 4779]	8844	[1609, 10116]
490	[935, 936]	3275	[5188, 44]	6060	[8095, 4759]	8845	[4166, 8673]
491	[937, 599]	3276	[2776, 5189]	6061	[7925, 4405]	8846	[4785, 10117]
492	[938, 939]	3277	[2023, 2993]	6062	[3375, 4864]	8847	[10118, 1579]
493	[940, 941]	3278	[5190, 5191]	6063	[8096, 1749]	8848	[10119, 7186]
494	[942, 49]	3279	[521, 5192]	6064	[4121, 8097]	8849	[10120, 4741]
495	[943, 213]	3280	[5193, 2953]	6065	[8098, 6873]	8850	[10121, 10087]
496	[944, 945]	3281	[179, 1881]	6066	[3687, 7491]	8851	[10122, 4550]
497	[946, 947]	3282	[5194, 5195]	6067	[8099, 8100]	8852	[10123, 4212]
498	[948, 949]	3283	[5196, 1762]	6068	[356, 4447]	8853	[10124, 1236]
499	[950, 951]	3284	[5197, 2857]	6069	[8101, 7477]	8854	[10125, 8385]
500	[952, 953]	3285	[5198, 2287]	6070	[8102, 8103]	8855	[10126, 3196]
501	[954, 444]	3286	[1913, 664]	6071	[8104, 8105]	8856	[3520, 7831]
502	[955, 956]	3287	[707, 5199]	6072	[4197, 8106]	8857	[10127, 1261]
503	[957, 958]	3288	[2857, 2489]	6073	[8107, 8108]	8858	[3054, 1337]
504	[959, 960]	3289	[5200, 5201]	6074	[8109, 7709]	8859	[10128, 1047]
505	[961, 962]	3290	[5202, 4939]	6075	[8110, 6978]	8860	[10129, 7181]
506	[963, 964]	3291	[5203, 5204]	6076	[4770, 3707]	8861	[10130, 4440]
507	[965, 966]	3292	[5205, 5206]	6077	[7049, 7716]	8862	[4366, 7438]
508	[967, 968]	3293	[5207, 2754]	6078	[1614, 8111]	8863	[10131, 3486]
509	[969, 970]	3294	[5208, 2359]	6079	[8112, 1590]	8864	[7555, 4451]
510	[971, 972]	3295	[5209, 2841]	6080	[8113, 1631]	8865	[4494, 1748]
511	[973, 974]	3296	[2009, 5210]	6081	[8114, 3271]	8866	[4242, 4473]
512	[975, 976]	3297	[2060, 5211]	6082	[4455, 7624]	8867	[4420, 10132]
513	[977, 978]	3298	[5212, 5213]	6083	[382, 4248]	8868	[10133, 10134]
514	[979, 980]	3299	[5111, 5214]	6084	[8115, 7904]	8869	[10135, 3363]

515	[448, 981]	3300	[5215, 5145]	6085	[8116, 24]	8870	[10136, 3648]
516	[982, 983]	3301	[5216, 5217]	6086	[8117, 3688]	8871	[4831, 4341]
517	[984, 985]	3302	[2465, 5218]	6087	[8118, 3752]	8872	[10137, 1544]
518	[986, 987]	3303	[5219, 5220]	6088	[4193, 8119]	8873	[10138, 10139]
519	[988, 989]	3304	[2870, 5221]	6089	[1449, 1527]	8874	[10140, 10141]
520	[990, 991]	3305	[553, 2630]	6090	[8104, 8120]	8875	[8202, 402]
521	[992, 993]	3306	[2157, 5222]	6091	[4588, 8025]	8876	[10142, 3766]
522	[994, 995]	3307	[724, 4972]	6092	[8121, 8122]	8877	[1133, 3688]
523	[996, 997]	3308	[5223, 4889]	6093	[8123, 3972]	8878	[4692, 270]
524	[998, 999]	3309	[5224, 2961]	6094	[4140, 306]	8879	[7390, 3089]
525	[1000, 1001]	3310	[584, 2378]	6095	[8124, 4138]	8880	[3552, 8568]
526	[1002, 1003]	3311	[785, 2491]	6096	[3590, 266]	8881	[10143, 3348]
527	[1004, 1005]	3312	[5225, 769]	6097	[3346, 983]	8882	[7250, 7839]
528	[1006, 1007]	3313	[5226, 5227]	6098	[3796, 1047]	8883	[3740, 7001]
529	[1008, 1009]	3314	[5228, 5229]	6099	[8125, 4710]	8884	[4500, 3672]
530	[1010, 1011]	3315	[5230, 12]	6100	[8126, 8127]	8885	[7883, 1276]
531	[1012, 1013]	3316	[5231, 5232]	6101	[8128, 324]	8886	[10144, 3441]
532	[1014, 1015]	3317	[707, 2285]	6102	[8129, 8130]	8887	[10145, 1012]
533	[1016, 1017]	3318	[5233, 5234]	6103	[3313, 8131]	8888	[4081, 10146]
534	[1018, 1019]	3319	[5235, 2014]	6104	[3554, 8132]	8889	[3182, 10147]
535	[1020, 1021]	3320	[2239, 5236]	6105	[8133, 1573]	8890	[4738, 1309]
536	[112, 1022]	3321	[554, 2849]	6106	[8134, 7553]	8891	[10140, 10148]
537	[1023, 1024]	3322	[5237, 5238]	6107	[8135, 438]	8892	[7416, 8553]
538	[1025, 1026]	3323	[5239, 231]	6108	[8136, 7873]	8893	[4068, 10134]
539	[1027, 1028]	3324	[5240, 5241]	6109	[4280, 7539]	8894	[10149, 8470]
540	[1029, 1030]	3325	[5028, 5242]	6110	[8137, 1586]	8895	[10086, 1361]
541	[1031, 1032]	3326	[2643, 601]	6111	[3718, 7577]	8896	[4689, 1433]
542	[1033, 1034]	3327	[5243, 1760]	6112	[8138, 4520]	8897	[1389, 3569]
543	[1035, 1036]	3328	[5244, 5245]	6113	[8139, 3871]	8898	[10150, 7213]
544	[1037, 1038]	3329	[252, 722]	6114	[4156, 8083]	8899	[4786, 10151]
545	[1039, 1040]	3330	[5246, 2176]	6115	[8140, 4605]	8900	[1270, 4845]
546	[1041, 1042]	3331	[5247, 5248]	6116	[8141, 4076]	8901	[1330, 10152]
547	[1043, 1044]	3332	[5249, 5250]	6117	[3985, 6930]	8902	[10153, 360]
548	[1045, 1046]	3333	[5251, 778]	6118	[8142, 3874]	8903	[10154, 1432]
549	[1047, 1048]	3334	[1771, 5252]	6119	[7922, 8143]	8904	[10155, 10156]
550	[1049, 97]	3335	[5253, 5254]	6120	[8144, 3168]	8905	[10157, 3885]
551	[1050, 1051]	3336	[5255, 533]	6121	[8145, 470]	8906	[8588, 4824]
552	[1052, 1053]	3337	[5256, 5257]	6122	[8146, 8147]	8907	[3506, 4174]
553	[1054, 1055]	3338	[5258, 5259]	6123	[8148, 8149]	8908	[3778, 6932]
554	[1056, 121]	3339	[5260, 2004]	6124	[8150, 3119]	8909	[10158, 1078]
555	[1057, 1058]	3340	[5261, 5262]	6125	[8151, 4714]	8910	[10159, 7998]
556	[1059, 1060]	3341	[5263, 5264]	6126	[8152, 8153]	8911	[10160, 402]
557	[1061, 1062]	3342	[5265, 598]	6127	[8154, 1705]	8912	[10125, 8731]
558	[1063, 1064]	3343	[5112, 5178]	6128	[7570, 1122]	8913	[10161, 3051]

559	[1065, 1066]	3344	[5266, 5267]	6129	[4776, 494]	8914	[10162, 4736]
560	[1067, 1068]	3345	[5268, 1839]	6130	[8155, 8156]	8915	[3059, 4837]
561	[1069, 1070]	3346	[2117, 5269]	6131	[8157, 3786]	8916	[10163, 4667]
562	[1071, 1072]	3347	[5270, 2745]	6132	[7278, 7518]	8917	[7467, 1735]
563	[1073, 1074]	3348	[5271, 2682]	6133	[8158, 4484]	8918	[3972, 10164]
564	[1075, 1076]	3349	[2726, 2498]	6134	[8159, 8160]	8919	[10165, 10166]
565	[1077, 286]	3350	[5272, 2773]	6135	[7710, 7682]	8920	[10167, 3858]
566	[1078, 1079]	3351	[5273, 5274]	6136	[8161, 8162]	8921	[10168, 7812]
567	[1080, 1081]	3352	[5275, 2497]	6137	[8163, 4524]	8922	[10085, 1360]
568	[1082, 1083]	3353	[8, 918]	6138	[8164, 3620]	8923	[3610, 1372]
569	[1084, 1085]	3354	[5276, 5277]	6139	[8165, 1115]	8924	[10169, 288]
570	[1086, 1087]	3355	[5278, 5279]	6140	[6935, 7890]	8925	[10170, 6985]
571	[1088, 1089]	3356	[5280, 5281]	6141	[8166, 6919]	8926	[1270, 3204]
572	[1090, 1091]	3357	[2960, 5282]	6142	[4521, 7533]	8927	[7786, 4617]
573	[1092, 1093]	3358	[5283, 5284]	6143	[8167, 8168]	8928	[10171, 10172]
574	[1094, 1095]	3359	[1877, 1779]	6144	[3384, 8169]	8929	[6905, 7412]
575	[1096, 1097]	3360	[5285, 2544]	6145	[8170, 8171]	8930	[10173, 3495]
576	[1098, 1099]	3361	[2705, 2213]	6146	[1251, 1625]	8931	[4589, 3294]
577	[1100, 1101]	3362	[5286, 2865]	6147	[7658, 4254]	8932	[7199, 3696]
578	[1102, 1103]	3363	[2466, 1982]	6148	[1059, 8172]	8933	[1474, 3697]
579	[1104, 496]	3364	[5267, 5287]	6149	[7328, 4347]	8934	[4248, 6865]
580	[1105, 1106]	3365	[5288, 2598]	6150	[1185, 4514]	8935	[10174, 10175]
581	[1107, 1108]	3366	[5289, 2605]	6151	[8173, 7763]	8936	[7282, 8297]
582	[1109, 1110]	3367	[5290, 5291]	6152	[24, 1379]	8937	[4215, 10176]
583	[1111, 1112]	3368	[5292, 5293]	6153	[8174, 1063]	8938	[10177, 3038]
584	[1113, 992]	3369	[5294, 1801]	6154	[3159, 7485]	8939	[10178, 4439]
585	[1114, 1115]	3370	[5295, 5296]	6155	[3366, 1587]	8940	[3377, 10179]
586	[1116, 1117]	3371	[5297, 5298]	6156	[4302, 8175]	8941	[10180, 1046]
587	[1118, 1119]	3372	[5299, 5300]	6157	[6947, 3309]	8942	[4237, 10181]
588	[1120, 285]	3373	[5301, 5302]	6158	[8176, 4572]	8943	[276, 3517]
589	[1121, 1122]	3374	[161, 5303]	6159	[7436, 966]	8944	[10182, 10183]
590	[1123, 1124]	3375	[5304, 5305]	6160	[4158, 7597]	8945	[10184, 8087]
591	[1125, 497]	3376	[1944, 5188]	6161	[8177, 7893]	8946	[10185, 4720]
592	[1126, 493]	3377	[5306, 5307]	6162	[7220, 981]	8947	[10186, 1335]
593	[1127, 1128]	3378	[5308, 5309]	6163	[8178, 8179]	8948	[8514, 3811]
594	[1129, 1130]	3379	[5296, 5310]	6164	[8180, 6881]	8949	[69, 8284]
595	[1131, 1132]	3380	[2095, 5311]	6165	[8181, 4757]	8950	[10187, 1716]
596	[1133, 1134]	3381	[2698, 2290]	6166	[8029, 8182]	8951	[7747, 8501]
597	[1135, 1136]	3382	[1781, 5060]	6167	[7892, 1745]	8952	[8399, 10188]
598	[1137, 1138]	3383	[2468, 749]	6168	[8183, 4285]	8953	[10189, 1747]
599	[1139, 1140]	3384	[2165, 5312]	6169	[3754, 7350]	8954	[10190, 10191]
600	[26, 1141]	3385	[5313, 5314]	6170	[8184, 8185]	8955	[10192, 7212]
601	[1142, 1143]	3386	[5315, 160]	6171	[8186, 7727]	8956	[1152, 8705]
602	[298, 1144]	3387	[5103, 5316]	6172	[24, 8187]	8957	[4716, 4336]

603	[1145, 1146]	3388	[5317, 2780]	6173	[8188, 8189]	8958	[7336, 7745]
604	[1147, 1148]	3389	[2408, 1961]	6174	[8190, 3434]	8959	[7986, 10193]
605	[1149, 1150]	3390	[5318, 5319]	6175	[1719, 7040]	8960	[1697, 4321]
606	[1151, 1152]	3391	[5320, 700]	6176	[1009, 8191]	8961	[10194, 7508]
607	[1153, 1154]	3392	[5321, 4991]	6177	[8192, 4097]	8962	[7493, 1552]
608	[1155, 1156]	3393	[5322, 5323]	6178	[8193, 4705]	8963	[10195, 4410]
609	[1157, 1158]	3394	[5123, 5324]	6179	[8194, 3286]	8964	[10196, 7907]
610	[1159, 1160]	3395	[5325, 936]	6180	[8195, 3266]	8965	[10197, 7286]
611	[1161, 1162]	3396	[5326, 5327]	6181	[8196, 3300]	8966	[3807, 4105]
612	[1163, 1164]	3397	[250, 4968]	6182	[3447, 3590]	8967	[10198, 3767]
613	[973, 1165]	3398	[5124, 5263]	6183	[8197, 4190]	8968	[7428, 494]
614	[1166, 1167]	3399	[5328, 5329]	6184	[8198, 7688]	8969	[996, 7647]
615	[1168, 1169]	3400	[5330, 5331]	6185	[8199, 7813]	8970	[8666, 426]
616	[1170, 1171]	3401	[5332, 40]	6186	[8200, 1355]	8971	[7195, 8011]
617	[1172, 1173]	3402	[5333, 5334]	6187	[8201, 7312]	8972	[10119, 3489]
618	[1174, 1175]	3403	[5335, 5336]	6188	[3401, 7992]	8973	[10199, 4644]
619	[1176, 1177]	3404	[5337, 1865]	6189	[8202, 1228]	8974	[10200, 1204]
620	[1178, 1179]	3405	[5338, 5339]	6190	[4032, 8203]	8975	[10201, 3536]
621	[1180, 1181]	3406	[2335, 5340]	6191	[3263, 8204]	8976	[3969, 7749]
622	[1182, 1183]	3407	[5341, 2898]	6192	[1361, 8078]	8977	[7967, 8481]
623	[1184, 1185]	3408	[5342, 943]	6193	[1726, 4636]	8978	[10202, 4001]
624	[1186, 1187]	3409	[192, 2107]	6194	[8205, 1416]	8979	[269, 4693]
625	[1188, 1189]	3410	[5343, 2625]	6195	[8206, 8207]	8980	[7917, 10203]
626	[1190, 1191]	3411	[672, 2592]	6196	[1738, 8208]	8981	[4026, 7038]
627	[1192, 1193]	3412	[5344, 2789]	6197	[7910, 7734]	8982	[8733, 441]
628	[1194, 1195]	3413	[5345, 5346]	6198	[8209, 81]	8983	[10204, 1709]
629	[1196, 1197]	3414	[2518, 5196]	6199	[8210, 7148]	8984	[10205, 961]
630	[1198, 1199]	3415	[5347, 5348]	6200	[4121, 8211]	8985	[1181, 10206]
631	[1200, 1201]	3416	[5349, 249]	6201	[7036, 3501]	8986	[10207, 7972]
632	[1202, 1203]	3417	[5350, 2329]	6202	[3490, 8212]	8987	[7609, 3861]
633	[1204, 1205]	3418	[5351, 5352]	6203	[7526, 4774]	8988	[10208, 4686]
634	[1206, 1099]	3419	[5353, 5354]	6204	[1130, 3239]	8989	[10209, 7674]
635	[1207, 1208]	3420	[5355, 5356]	6205	[8213, 116]	8990	[67, 3659]
636	[1209, 1210]	3421	[5357, 5358]	6206	[1503, 4384]	8991	[10210, 8461]
637	[1211, 1212]	3422	[5359, 753]	6207	[8214, 8130]	8992	[4711, 3341]
638	[1213, 1214]	3423	[5360, 755]	6208	[8215, 8216]	8993	[7324, 4639]
639	[1215, 1216]	3424	[5361, 1790]	6209	[8217, 4211]	8994	[10211, 4598]
640	[1217, 1218]	3425	[2448, 5362]	6210	[4174, 8218]	8995	[10212, 7655]
641	[1219, 1220]	3426	[1819, 5363]	6211	[8219, 3310]	8996	[6927, 10213]
642	[1221, 1222]	3427	[5364, 5365]	6212	[8220, 4132]	8997	[10214, 7204]
643	[1223, 1224]	3428	[5366, 5367]	6213	[3980, 8162]	8998	[3264, 10215]
644	[1225, 105]	3429	[252, 4870]	6214	[7576, 8221]	8999	[989, 4528]
645	[1226, 1227]	3430	[5368, 5369]	6215	[8222, 7940]	9000	[10156, 4700]
646	[1228, 403]	3431	[5370, 5371]	6216	[22, 3567]	9001	[10216, 10065]

647	[1229, 1230]	3432	[728, 2911]	6217	[8223, 7332]	9002	[10217, 4583]
648	[1231, 1232]	3433	[5372, 1782]	6218	[1158, 7426]	9003	[10218, 10061]
649	[1233, 1234]	3434	[5373, 582]	6219	[8224, 4621]	9004	[1711, 10219]
650	[1235, 1236]	3435	[2654, 2711]	6220	[8225, 1133]	9005	[10220, 3491]
651	[1237, 1238]	3436	[5374, 5375]	6221	[8226, 8211]	9006	[10221, 3708]
652	[964, 1239]	3437	[5376, 5377]	6222	[8227, 1142]	9007	[8386, 369]
653	[966, 1240]	3438	[5000, 2697]	6223	[4398, 1239]	9008	[1725, 7795]
654	[1241, 1242]	3439	[2668, 5378]	6224	[8228, 4427]	9009	[351, 8012]
655	[1243, 1244]	3440	[5170, 5379]	6225	[8229, 7151]	9010	[10222, 6908]
656	[1245, 458]	3441	[5380, 2552]	6226	[7657, 1324]	9011	[10223, 101]
657	[1246, 1247]	3442	[5381, 5382]	6227	[8230, 4453]	9012	[10224, 10225]
658	[1248, 1249]	3443	[5383, 1878]	6228	[8017, 8231]	9013	[1165, 3312]
659	[1250, 1251]	3444	[5384, 5385]	6229	[1728, 3131]	9014	[8244, 7562]
660	[1252, 1253]	3445	[5386, 5387]	6230	[8232, 4004]	9015	[7442, 7721]
661	[1254, 1255]	3446	[5388, 5389]	6231	[8233, 3772]	9016	[7319, 7686]
662	[1256, 1257]	3447	[5390, 5391]	6232	[7775, 8234]	9017	[1284, 8016]
663	[1258, 1259]	3448	[5392, 2222]	6233	[8235, 8236]	9018	[3543, 311]
664	[1260, 1261]	3449	[5393, 5394]	6234	[8237, 4313]	9019	[4009, 409]
665	[1262, 1263]	3450	[5395, 5396]	6235	[8238, 8239]	9020	[10226, 7928]
666	[1264, 1265]	3451	[2851, 879]	6236	[8240, 3521]	9021	[8000, 1626]
667	[1266, 1267]	3452	[5397, 1935]	6237	[8241, 6971]	9022	[10227, 7139]
668	[1013, 1268]	3453	[666, 2641]	6238	[8242, 8243]	9023	[10228, 4036]
669	[1269, 1270]	3454	[5398, 686]	6239	[367, 8244]	9024	[10229, 8294]
670	[1271, 1272]	3455	[5399, 5400]	6240	[7632, 3693]	9025	[10230, 10219]
671	[1273, 1274]	3456	[5401, 2014]	6241	[8245, 3035]	9026	[10231, 10232]
672	[1275, 1036]	3457	[2874, 5402]	6242	[3848, 8246]	9027	[10233, 3538]
673	[1276, 1277]	3458	[1785, 5403]	6243	[8247, 3614]	9028	[8465, 7719]
674	[1278, 1279]	3459	[5404, 5300]	6244	[8248, 4238]	9029	[7069, 10234]
675	[1280, 1281]	3460	[786, 2492]	6245	[7494, 4461]	9030	[8380, 4622]
676	[1282, 1283]	3461	[5405, 5406]	6246	[4800, 7315]	9031	[10235, 7015]
677	[1284, 1285]	3462	[5407, 5408]	6247	[8249, 1348]	9032	[4411, 10236]
678	[1286, 1287]	3463	[2693, 2820]	6248	[8250, 7427]	9033	[7720, 3377]
679	[1288, 1289]	3464	[5409, 5410]	6249	[8251, 1463]	9034	[7260, 4009]
680	[1290, 1291]	3465	[5411, 5412]	6250	[8008, 1199]	9035	[3318, 10237]
681	[1292, 1293]	3466	[5413, 5414]	6251	[8252, 8253]	9036	[8121, 10238]
682	[1294, 1295]	3467	[5415, 5416]	6252	[8254, 7417]	9037	[10239, 3638]
683	[1296, 1297]	3468	[1855, 5417]	6253	[8255, 3087]	9038	[8645, 3673]
684	[1298, 1299]	3469	[5418, 2366]	6254	[7010, 7931]	9039	[10240, 10241]
685	[1300, 1301]	3470	[5419, 5420]	6255	[8256, 3241]	9040	[4200, 3355]
686	[1302, 1303]	3471	[5421, 5170]	6256	[8257, 8258]	9041	[4294, 4478]
687	[1304, 464]	3472	[507, 652]	6257	[8259, 3773]	9042	[1362, 8112]
688	[1305, 1306]	3473	[5422, 5423]	6258	[4372, 8260]	9043	[7020, 3439]
689	[1307, 1308]	3474	[5424, 5083]	6259	[8238, 8261]	9044	[10242, 10243]
690	[1309, 1310]	3475	[5425, 5426]	6260	[1652, 3717]	9045	[3625, 7932]

691	[1311, 1312]	3476	[5427, 5428]	6261	[8134, 8262]	9046	[10244, 10245]
692	[1313, 1314]	3477	[5429, 5392]	6262	[1438, 1597]	9047	[3933, 8728]
693	[1315, 1316]	3478	[2961, 1817]	6263	[6954, 3177]	9048	[8067, 10213]
694	[1317, 1318]	3479	[5430, 848]	6264	[8263, 3435]	9049	[10246, 1681]
695	[1319, 1320]	3480	[5431, 5432]	6265	[4662, 3050]	9050	[4255, 3757]
696	[1321, 1322]	3481	[5433, 5434]	6266	[8264, 8265]	9051	[4055, 6868]
697	[1323, 1324]	3482	[5280, 5435]	6267	[4601, 7090]	9052	[8266, 3762]
698	[1325, 1326]	3483	[5436, 5437]	6268	[6959, 7258]	9053	[7770, 8375]
699	[1327, 1328]	3484	[5438, 5439]	6269	[8266, 6862]	9054	[7046, 10247]
700	[1329, 1330]	3485	[5440, 5441]	6270	[8267, 441]	9055	[3944, 7103]
701	[1331, 1332]	3486	[5442, 2912]	6271	[8268, 8269]	9056	[7909, 8174]
702	[1333, 1334]	3487	[5443, 5444]	6272	[8270, 7184]	9057	[8197, 4585]
703	[1335, 1336]	3488	[5445, 5446]	6273	[8119, 3496]	9058	[10248, 7019]
704	[1337, 1101]	3489	[5447, 2005]	6274	[8271, 6939]	9059	[3244, 972]
705	[1338, 1339]	3490	[2774, 5448]	6275	[4455, 1612]	9060	[10249, 7718]
706	[1340, 1341]	3491	[5122, 2075]	6276	[7818, 7434]	9061	[3966, 10250]
707	[456, 1342]	3492	[5449, 5450]	6277	[3473, 8272]	9062	[10251, 8236]
708	[1343, 1344]	3493	[5451, 525]	6278	[8273, 1158]	9063	[7644, 7952]
709	[1345, 316]	3494	[5452, 645]	6279	[8274, 1281]	9064	[10252, 4471]
710	[1346, 1347]	3495	[5453, 815]	6280	[293, 1044]	9065	[10210, 4134]
711	[1348, 1349]	3496	[5454, 157]	6281	[8275, 3697]	9066	[8629, 1679]
712	[1350, 1351]	3497	[2925, 2377]	6282	[8276, 1001]	9067	[3165, 10253]
713	[1352, 1353]	3498	[5455, 2836]	6283	[7309, 8277]	9068	[355, 7473]
714	[1354, 1355]	3499	[792, 2100]	6284	[4578, 8278]	9069	[7981, 4254]
715	[1356, 1357]	3500	[5456, 2003]	6285	[8279, 1040]	9070	[10254, 3428]
716	[1358, 1359]	3501	[5457, 5458]	6286	[3481, 8280]	9071	[378, 1728]
717	[1360, 1361]	3502	[5459, 5460]	6287	[1406, 6899]	9072	[7703, 10090]
718	[6, 1362]	3503	[5461, 5462]	6288	[1170, 7605]	9073	[10255, 1756]
719	[1363, 1031]	3504	[4902, 5187]	6289	[8281, 4673]	9074	[4799, 3271]
720	[1364, 1365]	3505	[4949, 5463]	6290	[8282, 1648]	9075	[10256, 4607]
721	[1366, 1367]	3506	[5464, 699]	6291	[3407, 3964]	9076	[10169, 8645]
722	[1368, 1369]	3507	[5465, 5466]	6292	[3409, 495]	9077	[4802, 4265]
723	[1370, 1371]	3508	[5467, 2257]	6293	[8283, 8284]	9078	[10244, 3737]
724	[1372, 1373]	3509	[5468, 2346]	6294	[8285, 6905]	9079	[10257, 1404]
725	[1374, 1375]	3510	[5469, 1771]	6295	[3558, 4635]	9080	[10258, 1051]
726	[1376, 1377]	3511	[5470, 2591]	6296	[4147, 8286]	9081	[10207, 10259]
727	[1378, 1379]	3512	[2938, 5317]	6297	[8287, 4390]	9082	[10260, 7611]
728	[1380, 1381]	3513	[2294, 2808]	6298	[3868, 355]	9083	[10261, 1038]
729	[1382, 992]	3514	[2914, 2473]	6299	[8288, 7214]	9084	[7742, 10262]
730	[1383, 1384]	3515	[2070, 2133]	6300	[8289, 8290]	9085	[433, 10263]
731	[1385, 1386]	3516	[5471, 5472]	6301	[8291, 4282]	9086	[10264, 8472]
732	[30, 1387]	3517	[5473, 5041]	6302	[3225, 4098]	9087	[10265, 10114]
733	[1388, 1389]	3518	[5474, 5475]	6303	[8292, 1638]	9088	[8398, 3085]
734	[1390, 1391]	3519	[4978, 5476]	6304	[7216, 8293]	9089	[10266, 4442]

735	[1392, 335]	3520	[5477, 252]	6305	[8206, 8294]	9090	[4302, 4392]
736	[1393, 1394]	3521	[5478, 157]	6306	[8295, 4532]	9091	[8704, 3504]
737	[1395, 1396]	3522	[5479, 5480]	6307	[7273, 3255]	9092	[3235, 1075]
738	[1397, 1398]	3523	[5481, 943]	6308	[8296, 8297]	9093	[8129, 10267]
739	[1399, 1400]	3524	[5482, 5334]	6309	[8298, 8299]	9094	[10268, 8506]
740	[1401, 1402]	3525	[5483, 2735]	6310	[1281, 8300]	9095	[10269, 1598]
741	[1403, 373]	3526	[5171, 5484]	6311	[8301, 8302]	9096	[10270, 7923]
742	[1162, 1404]	3527	[5485, 5486]	6312	[8303, 3792]	9097	[4802, 1758]
743	[1405, 1406]	3528	[5487, 5488]	6313	[8304, 7342]	9098	[4694, 10271]
744	[1407, 961]	3529	[5489, 5490]	6314	[8305, 8306]	9099	[7201, 10198]
745	[1408, 1409]	3530	[5491, 5420]	6315	[8307, 363]	9100	[8106, 1188]
746	[1410, 1411]	3531	[5492, 1992]	6316	[8308, 4570]	9101	[4368, 10272]
747	[1412, 1397]	3532	[5493, 5494]	6317	[8309, 1031]	9102	[10114, 3671]
748	[1413, 1414]	3533	[5495, 1947]	6318	[8310, 7138]	9103	[10273, 4602]
749	[1415, 1416]	3534	[5496, 2098]	6319	[8311, 7997]	9104	[7119, 10073]
750	[1417, 1418]	3535	[5497, 5498]	6320	[8312, 4415]	9105	[10274, 4803]
751	[1419, 1420]	3536	[5499, 1764]	6321	[8313, 1141]	9106	[10275, 7896]
752	[1421, 92]	3537	[5500, 5501]	6322	[8314, 3684]	9107	[8126, 1085]
753	[1422, 1423]	3538	[5502, 2582]	6323	[8315, 8316]	9108	[10276, 7990]
754	[1424, 1425]	3539	[5503, 1811]	6324	[4266, 8317]	9109	[10277, 1222]
755	[1426, 1427]	3540	[5504, 592]	6325	[8078, 1454]	9110	[10063, 8079]
756	[1428, 1174]	3541	[5505, 5506]	6326	[7839, 8318]	9111	[10278, 10279]
757	[1429, 1430]	3542	[5507, 5508]	6327	[8319, 8320]	9112	[10280, 10281]
758	[1431, 1432]	3543	[5509, 5510]	6328	[6921, 1079]	9113	[7258, 3988]
759	[1433, 1434]	3544	[5511, 5512]	6329	[8321, 8322]	9114	[7820, 10282]
760	[1435, 1436]	3545	[5513, 5514]	6330	[3612, 6999]	9115	[4159, 1052]
761	[1437, 1438]	3546	[5515, 5516]	6331	[8323, 4173]	9116	[4746, 4549]
762	[1439, 1283]	3547	[5517, 1976]	6332	[8324, 1409]	9117	[10283, 10284]
763	[1440, 1441]	3548	[5518, 2164]	6333	[8325, 7271]	9118	[10285, 1226]
764	[1442, 1443]	3549	[829, 5519]	6334	[7962, 8326]	9119	[1199, 8535]
765	[1444, 1445]	3550	[2301, 2614]	6335	[3808, 4106]	9120	[10286, 10236]
766	[1446, 1447]	3551	[5520, 5521]	6336	[4359, 8327]	9121	[3768, 10196]
767	[1448, 1449]	3552	[5522, 236]	6337	[8328, 8329]	9122	[1397, 7130]
768	[313, 1450]	3553	[5314, 889]	6338	[8330, 3965]	9123	[10287, 6872]
769	[1451, 1452]	3554	[5523, 2797]	6339	[8331, 8332]	9124	[10288, 3835]
770	[1453, 1454]	3555	[5524, 2783]	6340	[8333, 8334]	9125	[10289, 1140]
771	[336, 1455]	3556	[5525, 4964]	6341	[8335, 3785]	9126	[1584, 4095]
772	[1456, 1457]	3557	[5526, 4972]	6342	[8336, 7723]	9127	[10290, 8376]
773	[1458, 1459]	3558	[1890, 5335]	6343	[7956, 314]	9128	[3387, 8100]
774	[1460, 1461]	3559	[5527, 5528]	6344	[8337, 3783]	9129	[8308, 3730]
775	[1462, 1461]	3560	[5529, 2804]	6345	[8338, 4279]	9130	[417, 1163]
776	[1463, 1464]	3561	[5530, 5531]	6346	[3151, 91]	9131	[10291, 1198]
777	[1465, 1466]	3562	[5532, 1880]	6347	[8339, 7914]	9132	[7529, 468]
778	[1467, 1468]	3563	[5533, 5534]	6348	[8340, 7905]	9133	[4003, 10292]

779	[1469, 1470]	3564	[2252, 5535]	6349	[8341, 7844]	9134	[8656, 3214]
780	[1471, 1472]	3565	[5536, 5028]	6350	[8342, 7450]	9135	[8098, 1252]
781	[1473, 1474]	3566	[5537, 5279]	6351	[8343, 7932]	9136	[7862, 7637]
782	[1475, 1476]	3567	[5538, 5406]	6352	[8344, 1338]	9137	[10293, 1507]
783	[1477, 1478]	3568	[5539, 14]	6353	[8345, 4838]	9138	[8338, 10294]
784	[1479, 1480]	3569	[2798, 1798]	6354	[7050, 7624]	9139	[10295, 3914]
785	[1281, 1481]	3570	[815, 5540]	6355	[8346, 8334]	9140	[8347, 10296]
786	[1482, 1483]	3571	[5541, 632]	6356	[8347, 8348]	9141	[1293, 4147]
787	[1484, 1485]	3572	[5542, 5543]	6357	[8349, 8350]	9142	[7536, 8556]
788	[1486, 1487]	3573	[5544, 1792]	6358	[3125, 7230]	9143	[7656, 1323]
789	[1488, 1489]	3574	[2573, 5545]	6359	[8351, 1160]	9144	[4603, 7929]
790	[1490, 26]	3575	[5546, 2498]	6360	[8352, 3588]	9145	[10297, 958]
791	[1491, 1492]	3576	[5547, 5548]	6361	[8353, 3619]	9146	[120, 3417]
792	[1493, 1494]	3577	[5534, 578]	6362	[8354, 8199]	9147	[10298, 1224]
793	[1495, 1492]	3578	[5549, 5550]	6363	[8355, 7017]	9148	[3963, 6870]
794	[1496, 1497]	3579	[5551, 5552]	6364	[3413, 4026]	9149	[10299, 7147]
795	[1498, 1327]	3580	[1825, 5553]	6365	[8356, 4316]	9150	[8447, 8574]
796	[1499, 1500]	3581	[5554, 5555]	6366	[8357, 7224]	9151	[10155, 4699]
797	[1501, 1442]	3582	[5556, 805]	6367	[7619, 8358]	9152	[7787, 10300]
798	[1502, 1503]	3583	[1878, 5557]	6368	[3076, 4389]	9153	[8056, 10301]
799	[1504, 1505]	3584	[2644, 602]	6369	[8359, 8189]	9154	[10302, 10303]
800	[1506, 1507]	3585	[2647, 5558]	6370	[4580, 8360]	9155	[10304, 1322]
801	[305, 1508]	3586	[5559, 2652]	6371	[7235, 7922]	9156	[10305, 3448]
802	[1509, 1510]	3587	[5560, 5561]	6372	[4832, 4521]	9157	[10287, 8098]
803	[318, 1511]	3588	[5562, 254]	6373	[8361, 8362]	9158	[10242, 10306]
804	[1512, 1513]	3589	[584, 520]	6374	[3327, 3932]	9159	[8496, 8108]
805	[1514, 1515]	3590	[5563, 5564]	6375	[8363, 3067]	9160	[967, 8546]
806	[1516, 1517]	3591	[5565, 2771]	6376	[8007, 1198]	9161	[10307, 4132]
807	[1518, 1519]	3592	[5566, 5567]	6377	[8364, 1649]	9162	[985, 10259]
808	[1520, 1108]	3593	[5568, 2832]	6378	[8365, 4251]	9163	[6971, 1576]
809	[1521, 1522]	3594	[5226, 5569]	6379	[8366, 951]	9164	[10308, 3773]
810	[1523, 1524]	3595	[742, 5570]	6380	[8367, 8368]	9165	[7847, 8416]
811	[1525, 1526]	3596	[5571, 5572]	6381	[8369, 4128]	9166	[10309, 1019]
812	[1527, 1528]	3597	[5573, 5574]	6382	[8370, 442]	9167	[7654, 10310]
813	[1529, 1530]	3598	[5575, 5576]	6383	[1432, 1219]	9168	[10311, 3975]
814	[1531, 1532]	3599	[5577, 5578]	6384	[8371, 8372]	9169	[1301, 10312]
815	[1533, 1534]	3600	[5579, 5580]	6385	[8373, 347]	9170	[10313, 3449]
816	[1535, 1536]	3601	[5581, 4869]	6386	[8374, 8375]	9171	[10314, 1704]
817	[1537, 1538]	3602	[5582, 5192]	6387	[1665, 8376]	9172	[4076, 8621]
818	[1539, 1540]	3603	[5583, 2060]	6388	[8377, 7448]	9173	[7584, 1514]
819	[1541, 1542]	3604	[5584, 5545]	6389	[8317, 7171]	9174	[10315, 7710]
820	[1543, 1544]	3605	[5585, 5586]	6390	[8378, 8379]	9175	[3308, 10316]
821	[1545, 1546]	3606	[5587, 2113]	6391	[8380, 3390]	9176	[10317, 10318]
822	[288, 1547]	3607	[668, 5588]	6392	[407, 306]	9177	[6927, 8068]

823	[1548, 1549]	3608	[5589, 5557]	6393	[1517, 8381]	9178	[7910, 10319]
824	[1550, 1091]	3609	[5590, 5591]	6394	[8382, 8383]	9179	[3152, 7648]
825	[1551, 1552]	3610	[5592, 2460]	6395	[8384, 8385]	9180	[8093, 303]
826	[1553, 1554]	3611	[551, 5593]	6396	[4708, 1279]	9181	[7715, 3240]
827	[1555, 1556]	3612	[5594, 754]	6397	[8386, 8387]	9182	[1118, 3382]
828	[1557, 328]	3613	[5595, 5244]	6398	[4064, 4288]	9183	[6947, 10316]
829	[1318, 1558]	3614	[5596, 5597]	6399	[8388, 6998]	9184	[4864, 4779]
830	[1559, 1560]	3615	[2884, 5598]	6400	[8389, 3777]	9185	[3879, 4688]
831	[1416, 1561]	3616	[5599, 5600]	6401	[1103, 3816]	9186	[7205, 1400]
832	[1562, 1563]	3617	[5601, 5602]	6402	[3372, 8390]	9187	[3546, 3913]
833	[1564, 1565]	3618	[5603, 5604]	6403	[4181, 7985]	9188	[10320, 7215]
834	[1566, 1567]	3619	[5605, 2226]	6404	[8391, 1150]	9189	[8127, 7658]
835	[1568, 1479]	3620	[5606, 5607]	6405	[8392, 8393]	9190	[10211, 3616]
836	[1569, 1570]	3621	[505, 5517]	6406	[8394, 8395]	9191	[10321, 320]
837	[1571, 1572]	3622	[5608, 2239]	6407	[1177, 4605]	9192	[8626, 10322]
838	[1573, 1574]	3623	[5609, 5610]	6408	[3471, 3142]	9193	[6909, 1520]
839	[1575, 1576]	3624	[2684, 2746]	6409	[8396, 4651]	9194	[8095, 10323]
840	[1577, 1024]	3625	[5437, 244]	6410	[4822, 7698]	9195	[7633, 8661]
841	[1578, 1470]	3626	[5611, 2512]	6411	[8397, 492]	9196	[10324, 3052]
842	[1579, 1580]	3627	[5612, 2160]	6412	[4298, 1034]	9197	[10325, 7556]
843	[1581, 1582]	3628	[590, 2838]	6413	[1157, 8398]	9198	[4029, 1139]
844	[1583, 1584]	3629	[5613, 5614]	6414	[8399, 8400]	9199	[6872, 1252]
845	[1585, 1586]	3630	[5615, 5340]	6415	[8401, 3947]	9200	[6898, 4617]
846	[1587, 1468]	3631	[5616, 5617]	6416	[7015, 4270]	9201	[7780, 10326]
847	[1588, 1589]	3632	[5618, 5619]	6417	[8402, 8403]	9202	[10327, 8237]
848	[1590, 1591]	3633	[5620, 5143]	6418	[8404, 7828]	9203	[4611, 4103]
849	[1592, 1593]	3634	[5621, 204]	6419	[4017, 7503]	9204	[3539, 3655]
850	[1594, 1595]	3635	[5622, 5623]	6420	[8405, 3190]	9205	[10328, 7730]
851	[1596, 1597]	3636	[5624, 5266]	6421	[8406, 4728]	9206	[1496, 8190]
852	[1598, 1599]	3637	[5625, 697]	6422	[8407, 7121]	9207	[7915, 7101]
853	[1600, 985]	3638	[5626, 2834]	6423	[1416, 8408]	9208	[10329, 1152]
854	[1601, 1602]	3639	[5627, 2838]	6424	[4203, 7532]	9209	[10330, 1243]
855	[1603, 1604]	3640	[5628, 618]	6425	[8409, 3942]	9210	[7395, 8098]
856	[1605, 1606]	3641	[941, 558]	6426	[8409, 3637]	9211	[10331, 1481]
857	[1607, 347]	3642	[5629, 2713]	6427	[3038, 7305]	9212	[10240, 8706]
858	[1608, 1609]	3643	[5630, 5631]	6428	[8410, 3066]	9213	[7420, 1413]
859	[1610, 1611]	3644	[5632, 5633]	6429	[8411, 8412]	9214	[1254, 405]
860	[1612, 1613]	3645	[5634, 5635]	6430	[7018, 8413]	9215	[3894, 10102]
861	[1614, 1615]	3646	[5636, 10]	6431	[8414, 1229]	9216	[4099, 1098]
862	[1616, 1617]	3647	[5637, 747]	6432	[8415, 8416]	9217	[10182, 8350]
863	[1618, 1619]	3648	[5214, 5178]	6433	[7468, 1736]	9218	[8193, 3841]
864	[1620, 1621]	3649	[5638, 557]	6434	[8417, 8418]	9219	[7380, 8391]
865	[1582, 1622]	3650	[5639, 5640]	6435	[8149, 6973]	9220	[4136, 8112]
866	[1584, 1623]	3651	[5641, 5058]	6436	[8419, 3760]	9221	[10332, 1274]

867	[1624, 1625]	3652	[5642, 5643]	6437	[8420, 1630]	9222	[392, 10333]
868	[1626, 1627]	3653	[5644, 696]	6438	[8421, 8422]	9223	[10334, 4497]
869	[120, 123]	3654	[5645, 153]	6439	[4847, 8423]	9224	[7272, 3918]
870	[1628, 1629]	3655	[5646, 523]	6440	[8424, 3563]	9225	[4060, 1718]
871	[108, 980]	3656	[2745, 5647]	6441	[8425, 8426]	9226	[10335, 3556]
872	[1630, 1631]	3657	[196, 2271]	6442	[3731, 8427]	9227	[8533, 8005]
873	[1632, 1633]	3658	[5648, 5649]	6443	[8428, 4789]	9228	[8397, 1126]
874	[1634, 1635]	3659	[5650, 2731]	6444	[8429, 8430]	9229	[7711, 1227]
875	[1263, 1636]	3660	[5651, 5652]	6445	[8431, 3308]	9230	[8285, 4199]
876	[1637, 1638]	3661	[5653, 5654]	6446	[8432, 355]	9231	[10336, 3352]
877	[877, 877]	3662	[5655, 5656]	6447	[8433, 4055]	9232	[4174, 10337]
878	[1639, 1640]	3663	[5657, 2447]	6448	[8434, 1270]	9233	[7669, 3622]
879	[1641, 1642]	3664	[5072, 5658]	6449	[4722, 1081]	9234	[8275, 8446]
880	[1643, 1062]	3665	[603, 5659]	6450	[8435, 7745]	9235	[10229, 8207]
881	[1644, 1645]	3666	[154, 2930]	6451	[1149, 8436]	9236	[4331, 4088]
882	[1646, 1647]	3667	[2344, 5303]	6452	[8437, 3350]	9237	[7094, 8474]
883	[1648, 1649]	3668	[186, 5155]	6453	[8438, 7041]	9238	[10338, 4047]
884	[273, 1650]	3669	[5660, 2626]	6454	[1376, 7790]	9239	[10339, 10340]
885	[1651, 1652]	3670	[5015, 5661]	6455	[8439, 8440]	9240	[10341, 3565]
886	[1653, 1072]	3671	[5662, 5147]	6456	[3805, 4237]	9241	[4497, 7924]
887	[1654, 1655]	3672	[2950, 920]	6457	[7685, 3229]	9242	[4207, 3053]
888	[1656, 1657]	3673	[5663, 138]	6458	[7369, 8441]	9243	[7798, 7716]
889	[1658, 1659]	3674	[562, 5664]	6459	[8442, 7431]	9244	[10342, 4480]
890	[1485, 1660]	3675	[5588, 5665]	6460	[461, 8443]	9245	[7631, 321]
891	[1661, 1662]	3676	[5666, 5524]	6461	[8444, 8445]	9246	[10343, 1052]
892	[1663, 1664]	3677	[5667, 5327]	6462	[8446, 3698]	9247	[7274, 279]
893	[1665, 1666]	3678	[5668, 2540]	6463	[8447, 8448]	9248	[4789, 10344]
894	[1667, 1668]	3679	[2703, 831]	6464	[8449, 7700]	9249	[10345, 3958]
895	[1669, 1670]	3680	[5669, 5670]	6465	[7949, 8450]	9250	[4631, 10346]
896	[1671, 1672]	3681	[5671, 5672]	6466	[8451, 3807]	9251	[10347, 1366]
897	[1673, 1674]	3682	[2269, 2932]	6467	[7884, 8452]	9252	[10348, 8672]
898	[1675, 1676]	3683	[5673, 2809]	6468	[3217, 8453]	9253	[10349, 7188]
899	[1677, 1191]	3684	[5674, 5675]	6469	[3758, 8002]	9254	[10350, 3105]
900	[1132, 1678]	3685	[2723, 5676]	6470	[4024, 7192]	9255	[96, 3409]
901	[256, 1679]	3686	[5677, 5678]	6471	[7893, 1746]	9256	[6911, 3803]
902	[1680, 1681]	3687	[5679, 5680]	6472	[8454, 7228]	9257	[259, 8509]
903	[1682, 1683]	3688	[5681, 551]	6473	[387, 7945]	9258	[10351, 10352]
904	[1684, 1685]	3689	[2080, 2580]	6474	[4695, 4717]	9259	[10353, 10354]
905	[1686, 1687]	3690	[780, 2410]	6475	[8455, 1005]	9260	[4353, 8441]
906	[1688, 1607]	3691	[5682, 2451]	6476	[1359, 8427]	9261	[8558, 7541]
907	[1689, 1690]	3692	[5683, 5684]	6477	[8456, 4158]	9262	[7716, 8485]
908	[1691, 1692]	3693	[5685, 2184]	6478	[8457, 7493]	9263	[10355, 393]
909	[1693, 108]	3694	[5686, 5687]	6479	[8458, 4823]	9264	[10226, 10356]
910	[1694, 1695]	3695	[5688, 834]	6480	[7527, 4657]	9265	[10270, 975]

911	[1696, 1362]	3696	[5689, 5690]	6481	[1726, 6871]	9266	[10357, 1687]
912	[1697, 1698]	3697	[2013, 5691]	6482	[8459, 8460]	9267	[125, 8412]
913	[1699, 1700]	3698	[5205, 1858]	6483	[4133, 8461]	9268	[3256, 6890]
914	[1701, 1702]	3699	[4972, 136]	6484	[8462, 7718]	9269	[10358, 8712]
915	[1703, 1704]	3700	[5692, 4997]	6485	[3883, 3480]	9270	[10359, 8552]
916	[1480, 1705]	3701	[5693, 5694]	6486	[7479, 7665]	9271	[8559, 3207]
917	[1706, 1707]	3702	[537, 5695]	6487	[8463, 3080]	9272	[10149, 1694]
918	[1708, 1709]	3703	[5696, 584]	6488	[8464, 3605]	9273	[6985, 4253]
919	[1710, 1711]	3704	[5697, 5362]	6489	[4043, 1292]	9274	[10360, 1229]
920	[1141, 453]	3705	[4997, 5698]	6490	[8465, 8466]	9275	[10361, 4311]
921	[1712, 1233]	3706	[5699, 5700]	6491	[4702, 8467]	9276	[10362, 8040]
922	[1713, 1714]	3707	[5701, 5702]	6492	[8468, 8469]	9277	[8080, 10363]
923	[1715, 1714]	3708	[5703, 5704]	6493	[3345, 3364]	9278	[8295, 4182]
924	[1716, 1717]	3709	[5705, 57]	6494	[4336, 8470]	9279	[10364, 1087]
925	[1718, 1719]	3710	[56, 5706]	6495	[8471, 8472]	9280	[10365, 8120]
926	[1685, 1720]	3711	[2996, 2375]	6496	[8473, 3299]	9281	[10366, 396]
927	[1721, 1722]	3712	[5707, 2947]	6497	[3190, 8474]	9282	[977, 1376]
928	[1723, 1724]	3713	[5708, 5709]	6498	[7649, 8395]	9283	[8221, 8617]
929	[1725, 1726]	3714	[2863, 5710]	6499	[8475, 4711]	9284	[8528, 10367]
930	[1727, 1728]	3715	[894, 5356]	6500	[3488, 8476]	9285	[3292, 10368]
931	[1729, 1730]	3716	[5711, 5712]	6501	[8477, 3170]	9286	[10369, 3875]
932	[1731, 1732]	3717	[2001, 5713]	6502	[3096, 6878]	9287	[10097, 10370]
933	[1733, 1734]	3718	[5714, 5715]	6503	[7133, 8478]	9288	[10371, 8582]
934	[1735, 1736]	3719	[5716, 5717]	6504	[8479, 1284]	9289	[10372, 330]
935	[1737, 1738]	3720	[2612, 5403]	6505	[8480, 7753]	9290	[3416, 123]
936	[1739, 1740]	3721	[893, 5355]	6506	[4766, 8481]	9291	[10358, 10066]
937	[1741, 1742]	3722	[5718, 5719]	6507	[7397, 3118]	9292	[10373, 8315]
938	[1743, 1744]	3723	[5720, 5721]	6508	[3464, 3623]	9293	[10374, 7598]
939	[1745, 1746]	3724	[5722, 5723]	6509	[8209, 3994]	9294	[10375, 3293]
940	[1747, 1063]	3725	[5724, 1956]	6510	[8482, 3572]	9295	[10376, 1159]
941	[1748, 1749]	3726	[5725, 2644]	6511	[8483, 8484]	9296	[10377, 1636]
942	[1750, 101]	3727	[5726, 5727]	6512	[4463, 8485]	9297	[10378, 4598]
943	[1751, 425]	3728	[5728, 5729]	6513	[8486, 4050]	9298	[1194, 10379]
944	[1752, 1753]	3729	[5730, 5269]	6514	[8487, 7076]	9299	[10380, 1201]
945	[1754, 1755]	3730	[5238, 5310]	6515	[284, 1532]	9300	[1257, 3399]
946	[1756, 1170]	3731	[5731, 5732]	6516	[8224, 8380]	9301	[4139, 4836]
947	[1757, 1758]	3732	[5733, 5734]	6517	[4384, 256]	9302	[1659, 7540]
948	[1, 588]	3733	[5735, 5736]	6518	[7300, 3224]	9303	[10381, 6971]
949	[1759, 1760]	3734	[2528, 5080]	6519	[8488, 3164]	9304	[10376, 8351]
950	[1761, 1762]	3735	[499, 5737]	6520	[3216, 4099]	9305	[8542, 7368]
951	[1763, 581]	3736	[5738, 5739]	6521	[1456, 3082]	9306	[10382, 3794]
952	[1764, 1765]	3737	[5287, 4937]	6522	[8489, 8490]	9307	[10383, 1176]
953	[1766, 1767]	3738	[5740, 5741]	6523	[3257, 4707]	9308	[93, 4117]
954	[1768, 1769]	3739	[5742, 153]	6524	[8377, 8491]	9309	[4627, 1467]

955	[1770, 1771]	3740	[5743, 1805]	6525	[8492, 3290]	9310	[10384, 10385]
956	[1772, 1773]	3741	[5577, 2623]	6526	[3172, 4360]	9311	[1111, 7590]
957	[1774, 1775]	3742	[5744, 5745]	6527	[4307, 8493]	9312	[10386, 1609]
958	[1776, 738]	3743	[5201, 2284]	6528	[7967, 8494]	9313	[10387, 8012]
959	[1777, 758]	3744	[5591, 5746]	6529	[3957, 258]	9314	[3487, 10070]
960	[1778, 1779]	3745	[5747, 5748]	6530	[8495, 8258]	9315	[10388, 7994]
961	[1780, 1781]	3746	[5749, 5750]	6531	[7465, 7571]	9316	[10389, 7191]
962	[1782, 1783]	3747	[5751, 5752]	6532	[8496, 8497]	9317	[10390, 4016]
963	[1784, 1785]	3748	[5534, 5753]	6533	[8425, 8498]	9318	[8648, 7321]
964	[1786, 1787]	3749	[5754, 5755]	6534	[1529, 8499]	9319	[7375, 3953]
965	[1788, 1789]	3750	[5756, 130]	6535	[98, 3103]	9320	[4590, 10391]
966	[1790, 1791]	3751	[5757, 5259]	6536	[8500, 8501]	9321	[10392, 7408]
967	[1792, 1793]	3752	[5758, 740]	6537	[8502, 1219]	9322	[10393, 8499]
968	[1794, 1795]	3753	[5759, 2768]	6538	[8503, 7844]	9323	[10394, 10395]
969	[1796, 1797]	3754	[5760, 188]	6539	[4690, 3036]	9324	[7854, 4198]
970	[1798, 1799]	3755	[1909, 5761]	6540	[6888, 7857]	9325	[10396, 3656]
971	[1800, 1801]	3756	[2620, 5762]	6541	[8504, 7030]	9326	[7913, 10397]
972	[1802, 1803]	3757	[5763, 2550]	6542	[7097, 8505]	9327	[10398, 8261]
973	[1804, 167]	3758	[850, 5764]	6543	[4535, 8506]	9328	[8672, 10399]
974	[1805, 1806]	3759	[5765, 5766]	6544	[8507, 8508]	9329	[10400, 8647]
975	[1807, 1808]	3760	[5767, 5768]	6545	[8509, 6979]	9330	[8354, 7045]
976	[1809, 1810]	3761	[2523, 5769]	6546	[8510, 1711]	9331	[7303, 1550]
977	[1811, 1812]	3762	[2280, 5770]	6547	[104, 1136]	9332	[10401, 3900]
978	[592, 1813]	3763	[5531, 2230]	6548	[7227, 8293]	9333	[1328, 3137]
979	[1814, 503]	3764	[5771, 527]	6549	[8511, 4525]	9334	[10402, 10403]
980	[216, 1815]	3765	[4928, 1777]	6550	[1082, 8512]	9335	[3124, 292]
981	[1816, 1817]	3766	[5772, 5773]	6551	[8513, 1263]	9336	[4381, 10404]
982	[1818, 1819]	3767	[5774, 5775]	6552	[3949, 7962]	9337	[10405, 3524]
983	[1820, 1821]	3768	[5776, 915]	6553	[6878, 8514]	9338	[3626, 7933]
984	[1822, 846]	3769	[5777, 5115]	6554	[1095, 8515]	9339	[7785, 6898]
985	[1823, 198]	3770	[5778, 2356]	6555	[8516, 4229]	9340	[10406, 960]
986	[1824, 1825]	3771	[5779, 5780]	6556	[8517, 8518]	9341	[1238, 8435]
987	[1826, 1827]	3772	[5781, 695]	6557	[6983, 8519]	9342	[3206, 8560]
988	[1828, 1829]	3773	[5782, 4992]	6558	[3782, 8520]	9343	[7758, 4228]
989	[1830, 1831]	3774	[5612, 5783]	6559	[8521, 3552]	9344	[10407, 6944]
990	[1832, 1833]	3775	[5784, 5785]	6560	[8522, 4327]	9345	[10408, 7291]
991	[1834, 1835]	3776	[5786, 5787]	6561	[8523, 4067]	9346	[7624, 8049]
992	[1836, 1837]	3777	[5788, 2354]	6562	[8524, 4231]	9347	[8351, 10409]
993	[1838, 1839]	3778	[4906, 5117]	6563	[8525, 3228]	9348	[10374, 7472]
994	[1840, 1841]	3779	[589, 5627]	6564	[8277, 8526]	9349	[8296, 7283]
995	[1842, 181]	3780	[5789, 5790]	6565	[8527, 4286]	9350	[10410, 3802]
996	[1843, 172]	3781	[5791, 5684]	6566	[8528, 8015]	9351	[10411, 1452]
997	[1844, 1805]	3782	[5792, 744]	6567	[7232, 8529]	9352	[10412, 4651]
998	[1845, 1846]	3783	[135, 4973]	6568	[8530, 8531]	9353	[8382, 3631]

999	[1847, 1848]	3784	[5692, 5793]	6569	[974, 83]	9354	[10298, 7209]
1000	[527, 1849]	3785	[5794, 2127]	6570	[1064, 4393]	9355	[10413, 10414]
1001	[1850, 1851]	3786	[5795, 2209]	6571	[8532, 8430]	9356	[10415, 6996]
1002	[1852, 1853]	3787	[5796, 3010]	6572	[8533, 8534]	9357	[10416, 10417]
1003	[805, 1854]	3788	[2392, 5797]	6573	[4499, 8535]	9358	[974, 3312]
1004	[1855, 1856]	3789	[5798, 5799]	6574	[8536, 4339]	9359	[10418, 3156]
1005	[1857, 1858]	3790	[5800, 2979]	6575	[7036, 8537]	9360	[10419, 4756]
1006	[1859, 1860]	3791	[5562, 51]	6576	[8538, 6867]	9361	[1449, 6992]
1007	[204, 1861]	3792	[5673, 5801]	6577	[8003, 7902]	9362	[3392, 4352]
1008	[1862, 1863]	3793	[5802, 5803]	6578	[8539, 7066]	9363	[7977, 4]
1009	[1864, 1865]	3794	[5804, 5805]	6579	[8540, 4799]	9364	[6986, 4256]
1010	[1866, 1867]	3795	[5806, 2774]	6580	[8541, 7865]	9365	[10420, 4082]
1011	[1868, 1869]	3796	[5807, 5808]	6581	[8435, 7635]	9366	[10421, 7407]
1012	[1870, 1871]	3797	[5809, 5810]	6582	[4722, 8542]	9367	[10422, 3464]
1013	[1872, 1873]	3798	[777, 5811]	6583	[453, 8543]	9368	[10423, 1420]
1014	[1874, 1875]	3799	[5812, 5813]	6584	[8544, 4616]	9369	[7708, 10424]
1015	[1876, 1877]	3800	[2748, 2833]	6585	[4365, 3750]	9370	[10425, 1291]
1016	[1878, 1879]	3801	[1913, 5814]	6586	[4676, 7255]	9371	[10426, 10391]
1017	[1880, 1881]	3802	[2852, 2859]	6587	[8545, 1116]	9372	[3048, 4521]
1018	[1882, 894]	3803	[5815, 2417]	6588	[8546, 7044]	9373	[1696, 4136]
1019	[1883, 1884]	3804	[5816, 5738]	6589	[8547, 3925]	9374	[8492, 10427]
1020	[1885, 1886]	3805	[5785, 5304]	6590	[1327, 4098]	9375	[10428, 3969]
1021	[1887, 1888]	3806	[2354, 5817]	6591	[8548, 8549]	9376	[6911, 1332]
1022	[224, 1889]	3807	[5818, 5002]	6592	[1195, 3983]	9377	[1236, 10429]
1023	[908, 1890]	3808	[5819, 5820]	6593	[8550, 354]	9378	[10430, 4867]
1024	[1891, 1892]	3809	[5821, 5822]	6594	[1628, 1176]	9379	[4, 10431]
1025	[1893, 1894]	3810	[5823, 5824]	6595	[8551, 8552]	9380	[10432, 1256]
1026	[1895, 1815]	3811	[5825, 5826]	6596	[8254, 8553]	9381	[4336, 1694]
1027	[1896, 1897]	3812	[5827, 5828]	6597	[4622, 7519]	9382	[3387, 10433]
1028	[1898, 1899]	3813	[5829, 5097]	6598	[8554, 8555]	9383	[4143, 68]
1029	[1900, 1901]	3814	[5830, 5831]	6599	[4209, 7615]	9384	[7465, 421]
1030	[1902, 168]	3815	[5832, 5833]	6600	[3530, 8556]	9385	[10434, 4219]
1031	[1903, 1904]	3816	[2025, 5834]	6601	[8557, 4153]	9386	[10435, 97]
1032	[1905, 1906]	3817	[5835, 5836]	6602	[8558, 1341]	9387	[3391, 6918]
1033	[1907, 1908]	3818	[4924, 2353]	6603	[1413, 7103]	9388	[10436, 20]
1034	[1909, 1910]	3819	[815, 5837]	6604	[8559, 8560]	9389	[4460, 482]
1035	[1911, 707]	3820	[5704, 5838]	6605	[8561, 451]	9390	[10437, 10438]
1036	[1912, 1913]	3821	[548, 5839]	6606	[7684, 3224]	9391	[4346, 1479]
1037	[544, 1914]	3822	[5571, 5840]	6607	[8562, 8563]	9392	[3586, 4102]
1038	[1915, 544]	3823	[5841, 5217]	6608	[8241, 1575]	9393	[8069, 10328]
1039	[1916, 1917]	3824	[5842, 2903]	6609	[3660, 3940]	9394	[10439, 3297]
1040	[1918, 688]	3825	[5843, 5844]	6610	[1568, 7826]	9395	[10440, 77]
1041	[1919, 764]	3826	[5845, 901]	6611	[7955, 8564]	9396	[10427, 3291]
1042	[1920, 1921]	3827	[2261, 5846]	6612	[8301, 3780]	9397	[416, 1002]

1043	[249, 1922]	3828	[5847, 2707]	6613	[8565, 8566]	9398	[10441, 410]
1044	[1923, 1924]	3829	[2163, 5848]	6614	[8567, 7082]	9399	[3105, 415]
1045	[1925, 1926]	3830	[5776, 5849]	6615	[4064, 8568]	9400	[10442, 3314]
1046	[669, 1927]	3831	[5850, 5712]	6616	[8569, 8570]	9401	[10443, 1478]
1047	[150, 1928]	3832	[2620, 5851]	6617	[1612, 8049]	9402	[7639, 10444]
1048	[1929, 39]	3833	[5852, 5853]	6618	[8571, 8572]	9403	[1136, 3430]
1049	[1930, 197]	3834	[5854, 5855]	6619	[8573, 8574]	9404	[21, 3566]
1050	[1931, 1932]	3835	[5856, 5857]	6620	[7003, 4393]	9405	[3772, 10445]
1051	[1933, 1912]	3836	[922, 5858]	6621	[8575, 3651]	9406	[10446, 3752]
1052	[1934, 1935]	3837	[1929, 5332]	6622	[8576, 3848]	9407	[4629, 3232]
1053	[659, 1936]	3838	[5859, 2715]	6623	[8577, 8216]	9408	[1237, 3470]
1054	[1937, 1938]	3839	[5860, 5861]	6624	[4732, 4124]	9409	[10353, 10447]
1055	[1939, 1940]	3840	[2944, 5862]	6625	[8578, 1757]	9410	[8253, 3713]
1056	[1941, 245]	3841	[5863, 2010]	6626	[8579, 6925]	9411	[3857, 8208]
1057	[1942, 1943]	3842	[5092, 5864]	6627	[8580, 1169]	9412	[10413, 7112]
1058	[503, 1944]	3843	[5865, 3015]	6628	[8581, 8566]	9413	[4377, 1142]
1059	[1945, 1946]	3844	[5446, 4910]	6629	[7097, 8582]	9414	[3213, 8657]
1060	[1947, 1948]	3845	[5377, 5866]	6630	[7306, 8525]	9415	[4841, 7454]
1061	[1949, 1950]	3846	[5149, 504]	6631	[8583, 7982]	9416	[4829, 10448]
1062	[1951, 1952]	3847	[5854, 5867]	6632	[7051, 4862]	9417	[10449, 993]
1063	[1953, 1954]	3848	[1853, 5868]	6633	[3208, 1243]	9418	[10450, 8117]
1064	[1955, 556]	3849	[5869, 5870]	6634	[8584, 8585]	9419	[10422, 3622]
1065	[1956, 1957]	3850	[5871, 5872]	6635	[7982, 4468]	9420	[7462, 7338]
1066	[1958, 1959]	3851	[5873, 5874]	6636	[3542, 4109]	9421	[8407, 1297]
1067	[1960, 1961]	3852	[5875, 5876]	6637	[3264, 8586]	9422	[10271, 4717]
1068	[1962, 1963]	3853	[724, 135]	6638	[4651, 1259]	9423	[10451, 1272]
1069	[1964, 775]	3854	[5877, 5878]	6639	[3950, 8326]	9424	[10452, 10453]
1070	[1965, 777]	3855	[758, 5879]	6640	[6931, 3806]	9425	[8225, 8117]
1071	[1966, 1967]	3856	[4944, 5880]	6641	[8319, 8587]	9426	[10454, 1595]
1072	[1968, 1969]	3857	[158, 5858]	6642	[8458, 8588]	9427	[10455, 10456]
1073	[1970, 1971]	3858	[5881, 2597]	6643	[1714, 8589]	9428	[10117, 431]
1074	[875, 1972]	3859	[5882, 2561]	6644	[8358, 7309]	9429	[7077, 7602]
1075	[1973, 1974]	3860	[5883, 1793]	6645	[8590, 8591]	9430	[1487, 4252]
1076	[1975, 1976]	3861	[5884, 5885]	6646	[7923, 976]	9431	[10335, 7739]
1077	[1977, 1978]	3862	[5886, 5887]	6647	[8592, 7247]	9432	[10457, 950]
1078	[1979, 1980]	3863	[515, 5888]	6648	[8593, 6951]	9433	[3841, 10458]
1079	[1981, 1982]	3864	[5889, 5890]	6649	[8594, 3902]	9434	[4691, 10094]
1080	[1983, 1984]	3865	[5508, 5857]	6650	[8356, 4016]	9435	[4479, 10459]
1081	[1985, 1986]	3866	[5891, 5374]	6651	[8595, 1327]	9436	[8511, 397]
1082	[1987, 1988]	3867	[5892, 4878]	6652	[6979, 333]	9437	[10460, 4544]
1083	[1989, 1990]	3868	[5893, 5894]	6653	[3528, 7041]	9438	[10461, 4454]
1084	[1991, 1992]	3869	[5814, 665]	6654	[7509, 3818]	9439	[8192, 1721]
1085	[1993, 1994]	3870	[5895, 2285]	6655	[4390, 8596]	9440	[10264, 10462]
1086	[1995, 1996]	3871	[5896, 5897]	6656	[1324, 8597]	9441	[10463, 3770]

1087	[1997, 1909]	3872	[2855, 5153]	6657	[7684, 7172]	9442	[10464, 3762]
1088	[1998, 1999]	3873	[5898, 5899]	6658	[8598, 8054]	9443	[10465, 1435]
1089	[2000, 2001]	3874	[5900, 1972]	6659	[955, 7706]	9444	[10466, 10467]
1090	[2002, 2003]	3875	[2282, 5897]	6660	[3811, 3126]	9445	[10468, 7574]
1091	[2004, 2005]	3876	[5901, 2817]	6661	[7399, 3413]	9446	[8138, 3123]
1092	[2006, 2007]	3877	[2791, 947]	6662	[8599, 3326]	9447	[10469, 10470]
1093	[2008, 2009]	3878	[5902, 5434]	6663	[8600, 8203]	9448	[3980, 10471]
1094	[2010, 772]	3879	[5903, 5904]	6664	[1475, 8601]	9449	[1322, 3238]
1095	[576, 2011]	3880	[754, 1781]	6665	[8602, 6990]	9450	[10472, 1268]
1096	[2012, 2013]	3881	[4944, 677]	6666	[8603, 4589]	9451	[3749, 4848]
1097	[2014, 2015]	3882	[5905, 5906]	6667	[8604, 3877]	9452	[8236, 10296]
1098	[2016, 2017]	3883	[5907, 577]	6668	[8605, 7367]	9453	[10473, 1648]
1099	[2018, 2019]	3884	[5801, 2810]	6669	[8606, 1260]	9454	[10474, 10475]
1100	[2020, 2021]	3885	[2882, 2241]	6670	[8607, 8460]	9455	[6995, 3694]
1101	[2022, 2023]	3886	[5908, 5909]	6671	[8608, 8609]	9456	[1031, 8570]
1102	[2024, 2025]	3887	[5910, 2665]	6672	[7750, 8610]	9457	[10476, 4830]
1103	[2026, 2027]	3888	[5911, 5912]	6673	[7049, 4463]	9458	[1711, 10477]
1104	[2028, 2029]	3889	[2001, 5913]	6674	[1233, 4469]	9459	[10478, 4548]
1105	[2030, 2031]	3890	[705, 5914]	6675	[8611, 8612]	9460	[8242, 10340]
1106	[130, 2032]	3891	[5915, 5916]	6676	[8613, 7446]	9461	[3656, 10479]
1107	[2033, 2034]	3892	[5917, 5918]	6677	[8391, 8436]	9462	[10392, 8449]
1108	[2035, 2036]	3893	[2776, 5919]	6678	[8614, 1387]	9463	[10480, 10481]
1109	[38, 857]	3894	[5920, 5921]	6679	[1090, 6882]	9464	[10185, 4139]
1110	[2037, 2038]	3895	[5922, 5923]	6680	[8615, 8400]	9465	[6878, 112]
1111	[2039, 2040]	3896	[1847, 5924]	6681	[8616, 7158]	9466	[7919, 10482]
1112	[2041, 156]	3897	[2526, 2378]	6682	[7577, 8617]	9467	[10483, 7250]
1113	[2042, 1838]	3898	[5590, 5925]	6683	[8177, 1745]	9468	[10360, 8690]
1114	[2043, 2044]	3899	[5926, 5822]	6684	[8264, 7261]	9469	[7927, 10356]
1115	[2045, 2046]	3900	[5927, 5868]	6685	[8618, 8619]	9470	[386, 7387]
1116	[2047, 1949]	3901	[5928, 2020]	6686	[4608, 7054]	9471	[10393, 1530]
1117	[2048, 713]	3902	[5929, 717]	6687	[8620, 8621]	9472	[10484, 3619]
1118	[2049, 2050]	3903	[5005, 5930]	6688	[8622, 7226]	9473	[10485, 7715]
1119	[2051, 2052]	3904	[940, 557]	6689	[8623, 7177]	9474	[4178, 3794]
1120	[2053, 2054]	3905	[5931, 5846]	6690	[8624, 453]	9475	[4710, 3340]
1121	[2055, 2056]	3906	[5932, 5933]	6691	[8625, 4754]	9476	[10486, 10487]
1122	[2057, 2058]	3907	[5934, 860]	6692	[3418, 7482]	9477	[10488, 8654]
1123	[2059, 2060]	3908	[1937, 5309]	6693	[7833, 3402]	9478	[7888, 7149]
1124	[2061, 2062]	3909	[5517, 5935]	6694	[8626, 8627]	9479	[363, 4738]
1125	[2063, 2064]	3910	[5936, 5937]	6695	[8628, 1692]	9480	[10249, 8465]
1126	[2065, 2066]	3911	[570, 5938]	6696	[4384, 8629]	9481	[10489, 7342]
1127	[2067, 2068]	3912	[2618, 5173]	6697	[8630, 4000]	9482	[10490, 10337]
1128	[2069, 2070]	3913	[5939, 2393]	6698	[8112, 3211]	9483	[1356, 3280]
1129	[2071, 2072]	3914	[2369, 2228]	6699	[8298, 8631]	9484	[3981, 8526]
1130	[2073, 2074]	3915	[2035, 5940]	6700	[8632, 3998]	9485	[8698, 4346]

1131	[2075, 2076]	3916	[5931, 2262]	6701	[8633, 8634]	9486	[10491, 7341]
1132	[2077, 2078]	3917	[5941, 5881]	6702	[8635, 1009]	9487	[3155, 4430]
1133	[2079, 2080]	3918	[4957, 5942]	6703	[4432, 8260]	9488	[10492, 7473]
1134	[2081, 2082]	3919	[5135, 5943]	6704	[7698, 3635]	9489	[10254, 7831]
1135	[2083, 2084]	3920	[5944, 5945]	6705	[8387, 370]	9490	[7396, 7325]
1136	[2085, 1994]	3921	[2204, 2216]	6706	[4289, 7113]	9491	[4278, 10294]
1137	[2086, 2087]	3922	[5946, 5535]	6707	[8636, 7660]	9492	[3709, 10100]
1138	[2088, 2089]	3923	[5947, 5948]	6708	[8637, 107]	9493	[10493, 1264]
1139	[2090, 1899]	3924	[1921, 5680]	6709	[7121, 109]	9494	[10494, 272]
1140	[776, 2091]	3925	[5949, 2020]	6710	[3243, 8638]	9495	[10058, 8518]
1141	[1978, 635]	3926	[5950, 2624]	6711	[8639, 8640]	9496	[1699, 7521]
1142	[2092, 763]	3927	[5951, 233]	6712	[8641, 7953]	9497	[4578, 7453]
1143	[2093, 2094]	3928	[5952, 591]	6713	[8642, 8643]	9498	[10129, 10495]
1144	[2095, 1952]	3929	[5953, 5954]	6714	[8639, 8644]	9499	[4865, 7063]
1145	[2096, 2097]	3930	[5955, 2017]	6715	[4028, 3108]	9500	[7997, 10496]
1146	[2098, 2099]	3931	[5956, 5957]	6716	[4614, 3971]	9501	[10497, 3425]
1147	[32, 237]	3932	[5958, 5103]	6717	[287, 8645]	9502	[364, 4795]
1148	[2100, 2101]	3933	[5959, 5960]	6718	[8646, 4217]	9503	[10498, 3115]
1149	[220, 650]	3934	[5961, 5962]	6719	[1401, 8647]	9504	[10499, 4861]
1150	[2102, 2103]	3935	[5963, 5964]	6720	[7469, 7546]	9505	[10321, 7631]
1151	[2104, 2105]	3936	[5965, 2023]	6721	[8648, 8637]	9506	[4179, 4765]
1152	[2106, 2107]	3937	[5966, 2460]	6722	[8649, 8650]	9507	[3729, 8534]
1153	[622, 2081]	3938	[5013, 5967]	6723	[3536, 3740]	9508	[10500, 8619]
1154	[2108, 2109]	3939	[5968, 5969]	6724	[3831, 4701]	9509	[7727, 3815]
1155	[2110, 2111]	3940	[5970, 2386]	6725	[8474, 3591]	9510	[3180, 10312]
1156	[2112, 2113]	3941	[671, 4962]	6726	[3240, 399]	9511	[1550, 6882]
1157	[2114, 2115]	3942	[5971, 5972]	6727	[409, 16]	9512	[7821, 10501]
1158	[2116, 2117]	3943	[5266, 2769]	6728	[7579, 4522]	9513	[1406, 318]
1159	[2118, 2119]	3944	[5363, 5973]	6729	[3134, 3903]	9514	[10502, 8403]
1160	[2120, 2121]	3945	[5974, 826]	6730	[8651, 3930]	9515	[10503, 8322]
1161	[2122, 2123]	3946	[2584, 2094]	6731	[8562, 8652]	9516	[962, 1119]
1162	[2124, 2125]	3947	[2570, 5508]	6732	[8653, 3193]	9517	[10504, 3183]
1163	[2126, 1773]	3948	[5975, 4908]	6733	[7017, 8654]	9518	[3822, 1212]
1164	[807, 2127]	3949	[5976, 2554]	6734	[8655, 3753]	9519	[1230, 1514]
1165	[2128, 2129]	3950	[5691, 5038]	6735	[8656, 8657]	9520	[10505, 8234]
1166	[2130, 2131]	3951	[5884, 2958]	6736	[8658, 3950]	9521	[8514, 1022]
1167	[2132, 2133]	3952	[5977, 5978]	6737	[8659, 7214]	9522	[3812, 4846]
1168	[812, 2134]	3953	[5979, 1877]	6738	[8660, 7671]	9523	[10506, 3108]
1169	[2135, 2136]	3954	[5980, 3019]	6739	[3836, 4039]	9524	[10507, 4306]
1170	[2137, 2138]	3955	[5981, 843]	6740	[7147, 3937]	9525	[10508, 3184]
1171	[2139, 2140]	3956	[5982, 5983]	6741	[1094, 1716]	9526	[8353, 8164]
1172	[2141, 2142]	3957	[5984, 218]	6742	[8518, 8661]	9527	[10509, 1449]
1173	[1893, 2143]	3958	[5985, 5986]	6743	[8286, 3964]	9528	[8326, 4263]
1174	[2144, 2145]	3959	[5987, 739]	6744	[7528, 4794]	9529	[8522, 1012]

1175	[2146, 2147]	3960	[5988, 2794]	6745	[1029, 4503]	9530	[7874, 8543]
1176	[2148, 170]	3961	[5989, 5990]	6746	[8662, 8663]	9531	[7376, 7995]
1177	[2149, 726]	3962	[5991, 724]	6747	[8664, 8665]	9532	[10510, 4182]
1178	[2150, 1897]	3963	[5992, 5993]	6748	[949, 1682]	9533	[10511, 3669]
1179	[839, 2151]	3964	[5340, 5195]	6749	[8666, 8667]	9534	[10512, 3041]
1180	[2152, 2153]	3965	[4999, 5994]	6750	[8668, 4012]	9535	[3556, 7740]
1181	[872, 2154]	3966	[2586, 5921]	6751	[3067, 1393]	9536	[279, 3444]
1182	[2155, 2156]	3967	[5995, 4961]	6752	[8669, 269]	9537	[425, 8667]
1183	[2157, 2158]	3968	[5996, 2926]	6753	[8670, 4667]	9538	[3816, 10513]
1184	[2159, 2160]	3969	[5997, 2411]	6754	[8671, 3507]	9539	[10514, 3345]
1185	[2161, 1854]	3970	[5998, 2173]	6755	[8672, 8673]	9540	[4628, 3231]
1186	[2162, 2163]	3971	[5999, 498]	6756	[8674, 3542]	9541	[10189, 8174]
1187	[2164, 2165]	3972	[2215, 242]	6757	[8675, 7128]	9542	[10515, 4811]
1188	[2166, 194]	3973	[6000, 1886]	6758	[1617, 4386]	9543	[6982, 8315]
1189	[2167, 2168]	3974	[2237, 2281]	6759	[4066, 8676]	9544	[7823, 4511]
1190	[2169, 2170]	3975	[6001, 2167]	6760	[1367, 1320]	9545	[10516, 3782]
1191	[2171, 903]	3976	[6002, 6003]	6761	[3075, 4388]	9546	[10517, 7014]
1192	[2172, 2173]	3977	[2769, 5287]	6762	[4049, 4825]	9547	[4820, 3624]
1193	[2174, 704]	3978	[686, 5776]	6763	[3646, 1098]	9548	[10518, 3821]
1194	[2175, 2176]	3979	[6004, 5906]	6764	[7568, 8677]	9549	[3108, 10289]
1195	[2177, 2178]	3980	[6005, 5468]	6765	[8678, 1041]	9550	[6991, 1527]
1196	[2179, 2180]	3981	[6006, 2117]	6766	[7510, 7782]	9551	[8633, 10096]
1197	[2181, 2182]	3982	[6007, 6008]	6767	[8679, 4175]	9552	[4298, 7595]
1198	[2183, 2184]	3983	[6009, 6010]	6768	[8680, 8133]	9553	[8084, 10159]
1199	[2185, 807]	3984	[6011, 5164]	6769	[8681, 6937]	9554	[7804, 10370]
1200	[2186, 2187]	3985	[6012, 5787]	6770	[7579, 7533]	9555	[10519, 7388]
1201	[2188, 2138]	3986	[6013, 2335]	6771	[8682, 8683]	9556	[3529, 7536]
1202	[2189, 2190]	3987	[6014, 5658]	6772	[8684, 8046]	9557	[10520, 1651]
1203	[1938, 2191]	3988	[6015, 6016]	6773	[4596, 8685]	9558	[10521, 7749]
1204	[2192, 2193]	3989	[138, 6017]	6774	[8686, 3338]	9559	[10522, 3962]
1205	[2194, 2195]	3990	[1868, 5151]	6775	[3045, 1696]	9560	[10523, 7164]
1206	[2196, 766]	3991	[6018, 5067]	6776	[7745, 7636]	9561	[10524, 10525]
1207	[2197, 2198]	3992	[6019, 5745]	6777	[8687, 4365]	9562	[10526, 1543]
1208	[2199, 890]	3993	[6020, 664]	6778	[8688, 3958]	9563	[1165, 83]
1209	[2200, 534]	3994	[1869, 6021]	6779	[8689, 1535]	9564	[10383, 1629]
1210	[2201, 2202]	3995	[6022, 788]	6780	[7507, 4329]	9565	[10527, 10528]
1211	[213, 2203]	3996	[6023, 565]	6781	[8527, 3090]	9566	[10239, 423]
1212	[2204, 2205]	3997	[6024, 6025]	6782	[8414, 8690]	9567	[10529, 1066]
1213	[2206, 2207]	3998	[6026, 939]	6783	[7460, 8691]	9568	[1030, 10530]
1214	[2208, 2209]	3999	[2924, 6027]	6784	[488, 318]	9569	[4194, 1662]
1215	[2210, 2211]	4000	[6028, 248]	6785	[4136, 3210]	9570	[10190, 10531]
1216	[2212, 2213]	4001	[6029, 940]	6786	[8692, 4141]	9571	[8423, 8172]
1217	[2214, 2215]	4002	[2376, 925]	6787	[7291, 7078]	9572	[3155, 7626]
1218	[2216, 2217]	4003	[6030, 3002]	6788	[7791, 8391]	9573	[8620, 4077]

1219	[2218, 2219]	4004	[6031, 6032]	6789	[8693, 3776]	9574	[10532, 8401]
1220	[2056, 2156]	4005	[6033, 5983]	6790	[8694, 3385]	9575	[8578, 4802]
1221	[1981, 2220]	4006	[6034, 2743]	6791	[8695, 7495]	9576	[3952, 7372]
1222	[2221, 2222]	4007	[1837, 5400]	6792	[8696, 4526]	9577	[1467, 4293]
1223	[618, 2223]	4008	[6035, 501]	6793	[8697, 1608]	9578	[10533, 4752]
1224	[2058, 2224]	4009	[6036, 6037]	6794	[3334, 3118]	9579	[8341, 7277]
1225	[2225, 2226]	4010	[6038, 2977]	6795	[4085, 3151]	9580	[8323, 3506]
1226	[2227, 2228]	4011	[6039, 6040]	6796	[8547, 3053]	9581	[10534, 7498]
1227	[151, 1893]	4012	[6041, 2326]	6797	[8698, 1568]	9582	[10159, 10496]
1228	[2229, 2230]	4013	[2040, 2949]	6798	[3087, 465]	9583	[4503, 10535]
1229	[2231, 2232]	4014	[6042, 6043]	6799	[7965, 1092]	9584	[7399, 4025]
1230	[2233, 1928]	4015	[6044, 5380]	6800	[8699, 7497]	9585	[10536, 3093]
1231	[2234, 2235]	4016	[6045, 6046]	6801	[8700, 8093]	9586	[4346, 7826]
1232	[2236, 2237]	4017	[6047, 5914]	6802	[3197, 4209]	9587	[10537, 326]
1233	[2238, 540]	4018	[6048, 5511]	6803	[8462, 8465]	9588	[10538, 4184]
1234	[2239, 2240]	4019	[6049, 1874]	6804	[3160, 8701]	9589	[10070, 10539]
1235	[2180, 2241]	4020	[6050, 6051]	6805	[8702, 8703]	9590	[8486, 4043]
1236	[2242, 2243]	4021	[6052, 6053]	6806	[8704, 8705]	9591	[10540, 3276]
1237	[2244, 2245]	4022	[6054, 6055]	6807	[4625, 8706]	9592	[7368, 1300]
1238	[2246, 2247]	4023	[6056, 6057]	6808	[4137, 8707]	9593	[4850, 6863]
1239	[1785, 2248]	4024	[6058, 739]	6809	[4322, 4768]	9594	[3894, 1756]
1240	[1789, 1951]	4025	[6059, 1980]	6810	[4475, 6999]	9595	[1694, 10079]
1241	[2249, 46]	4026	[5282, 2867]	6811	[4023, 7191]	9596	[4147, 3407]
1242	[2250, 655]	4027	[2080, 6060]	6812	[8708, 8709]	9597	[10081, 1515]
1243	[2251, 2252]	4028	[2100, 6061]	6813	[8710, 4036]	9598	[3794, 4765]
1244	[2253, 705]	4029	[2046, 776]	6814	[8711, 8712]	9599	[3322, 8308]
1245	[2254, 2255]	4030	[6062, 3028]	6815	[8713, 4619]	9600	[1453, 8289]
1246	[2256, 2257]	4031	[6063, 881]	6816	[8714, 407]	9601	[10541, 7800]
1247	[2258, 2259]	4032	[6064, 6065]	6817	[7577, 8715]	9602	[10542, 276]
1248	[2260, 624]	4033	[2165, 6066]	6818	[8716, 8182]	9603	[10543, 7570]
1249	[2261, 2262]	4034	[5206, 5219]	6819	[3795, 7967]	9604	[1554, 10245]
1250	[2263, 2264]	4035	[6067, 755]	6820	[8717, 1381]	9605	[10544, 1059]
1251	[2265, 2266]	4036	[2213, 4989]	6821	[8718, 7118]	9606	[10072, 7120]
1252	[2267, 2268]	4037	[6068, 5001]	6822	[1383, 7692]	9607	[10545, 3841]
1253	[2269, 2270]	4038	[6069, 2402]	6823	[8719, 7177]	9608	[3790, 3508]
1254	[2271, 2272]	4039	[6070, 6071]	6824	[8720, 4679]	9609	[10546, 4642]
1255	[2273, 166]	4040	[5300, 2909]	6825	[7131, 8721]	9610	[3224, 7173]
1256	[2274, 868]	4041	[5808, 6072]	6826	[8722, 1315]	9611	[8632, 7427]
1257	[2275, 2276]	4042	[2943, 6073]	6827	[8723, 8724]	9612	[10547, 10487]
1258	[2277, 2278]	4043	[5213, 2690]	6828	[8725, 8665]	9613	[10412, 1258]
1259	[2279, 2280]	4044	[6074, 6075]	6829	[7795, 4636]	9614	[1591, 4451]
1260	[2281, 2282]	4045	[2210, 6076]	6830	[8726, 4116]	9615	[10548, 10403]
1261	[2283, 2284]	4046	[6077, 6078]	6831	[3431, 1524]	9616	[101, 10352]
1262	[2285, 2286]	4047	[6079, 2572]	6832	[8727, 8728]	9617	[10549, 3855]

1263	[665, 2287]	4048	[6080, 5301]	6833	[8729, 8730]	9618	[10550, 4624]
1264	[2288, 2289]	4049	[2608, 2208]	6834	[8384, 8731]	9619	[8070, 10193]
1265	[1941, 2290]	4050	[6081, 2034]	6835	[8270, 3367]	9620	[4705, 10458]
1266	[2291, 2292]	4051	[6082, 2317]	6836	[3496, 1753]	9621	[7104, 8389]
1267	[2293, 2294]	4052	[2535, 1764]	6837	[8732, 7842]	9622	[3599, 953]
1268	[2295, 2296]	4053	[6083, 2551]	6838	[8733, 8370]	9623	[4762, 8422]
1269	[2297, 2298]	4054	[6084, 5158]	6839	[8734, 4786]	9624	[8690, 7584]
1270	[2299, 647]	4055	[6085, 2243]	6840	[8735, 1475]	9625	[4807, 1611]
1271	[2300, 2301]	4056	[6086, 1795]	6841	[8736, 3596]	9626	[10551, 7347]
1272	[2302, 2303]	4057	[6087, 6088]	6842	[8737, 7240]	9627	[8487, 10176]
1273	[2304, 2305]	4058	[6089, 5870]	6843	[8475, 3340]	9628	[10552, 301]
1274	[2306, 658]	4059	[6090, 6091]	6844	[8738, 4110]	9629	[10553, 4308]
1275	[2307, 2308]	4060	[5864, 6092]	6845	[6895, 4268]	9630	[6964, 7025]
1276	[2309, 2310]	4061	[6093, 2827]	6846	[8739, 8740]	9631	[8503, 7277]
1277	[2152, 2311]	4062	[5253, 2393]	6847	[8741, 7081]	9632	[3554, 10395]
1278	[2312, 719]	4063	[6094, 6095]	6848	[7148, 8742]	9633	[10554, 3761]
1279	[2313, 900]	4064	[6096, 2978]	6849	[8743, 1371]	9634	[10388, 7355]
1280	[941, 2314]	4065	[6097, 5090]	6850	[3960, 4602]	9635	[10313, 1183]
1281	[2315, 1957]	4066	[807, 6098]	6851	[7606, 8280]	9636	[3630, 8383]
1282	[2316, 2317]	4067	[6099, 728]	6852	[8744, 6956]	9637	[10555, 8601]
1283	[2318, 2319]	4068	[837, 6100]	6853	[7751, 8033]	9638	[1366, 1319]
1284	[2320, 2178]	4069	[2701, 5859]	6854	[8370, 8745]	9639	[8191, 1484]
1285	[2321, 2322]	4070	[5911, 6101]	6855	[8746, 3181]	9640	[10556, 3981]
1286	[2323, 2324]	4071	[6102, 1864]	6856	[1346, 7015]	9641	[10557, 4543]
1287	[2325, 2326]	4072	[2429, 6103]	6857	[275, 3516]	9642	[10558, 7689]
1288	[2327, 2328]	4073	[1910, 6104]	6858	[6888, 6973]	9643	[10559, 4186]
1289	[2329, 2330]	4074	[4933, 656]	6859	[8747, 3081]	9644	[7065, 10560]
1290	[2331, 2332]	4075	[6105, 6106]	6860	[451, 8748]	9645	[8371, 10561]
1291	[2333, 2334]	4076	[6107, 1892]	6861	[8167, 8749]	9646	[3657, 3104]
1292	[2138, 2335]	4077	[6108, 5276]	6862	[8750, 57]	9647	[10562, 3949]
1293	[2034, 1904]	4078	[6109, 568]	6863	[8751, 61]	9648	[10563, 1107]
1294	[2336, 2337]	4079	[6110, 5823]	6864	[6709, 53]	9649	[7377, 4103]
1295	[2338, 940]	4080	[2184, 6111]	6865	[733, 6113]	9650	[1515, 7116]
1296	[2339, 219]	4081	[5933, 6112]	6866	[8752, 6314]	9651	[1686, 10564]
1297	[2340, 2341]	4082	[2875, 6113]	6867	[8753, 1891]	9652	[3852, 4239]
1298	[2342, 2343]	4083	[6114, 6115]	6868	[8754, 5326]	9653	[10565, 3685]
1299	[2344, 162]	4084	[6116, 6117]	6869	[8755, 5280]	9654	[8624, 7874]
1300	[2345, 1878]	4085	[6118, 6119]	6870	[5515, 8756]	9655	[10566, 8066]
1301	[2346, 2347]	4086	[6120, 5837]	6871	[8757, 6490]	9656	[1606, 10216]
1302	[2348, 2349]	4087	[6121, 2381]	6872	[8758, 2465]	9657	[7781, 7511]
1303	[2350, 2351]	4088	[6122, 6123]	6873	[8759, 2166]	9658	[4849, 7052]
1304	[1842, 2352]	4089	[5237, 5296]	6874	[8760, 1804]	9659	[10567, 962]
1305	[2353, 2354]	4090	[6124, 1809]	6875	[8761, 4926]	9660	[1215, 7561]
1306	[2355, 2356]	4091	[6125, 5642]	6876	[2302, 5767]	9661	[4376, 7010]

1307	[2357, 2358]	4092	[6126, 6127]	6877	[2088, 6777]	9662	[4306, 4608]
1308	[2359, 2360]	4093	[5857, 6128]	6878	[8762, 5993]	9663	[1730, 10404]
1309	[2361, 2362]	4094	[6129, 5477]	6879	[8763, 1907]	9664	[7860, 4625]
1310	[2363, 2364]	4095	[6130, 6131]	6880	[8764, 4874]	9665	[8739, 8329]
1311	[2365, 2366]	4096	[2039, 2594]	6881	[8765, 5026]	9666	[10387, 352]
1312	[2163, 2367]	4097	[6132, 5466]	6882	[8766, 8767]	9667	[3609, 4073]
1313	[2368, 2369]	4098	[6133, 6134]	6883	[2003, 5077]	9668	[8161, 10471]
1314	[2370, 2371]	4099	[5836, 2018]	6884	[8768, 6732]	9669	[10568, 4349]
1315	[2372, 2373]	4100	[6135, 6136]	6885	[5948, 8769]	9670	[10569, 6869]
1316	[2374, 2375]	4101	[6137, 5373]	6886	[8770, 2078]	9671	[10570, 1633]
1317	[2376, 2377]	4102	[6138, 5854]	6887	[8771, 5840]	9672	[10571, 1138]
1318	[2378, 521]	4103	[6139, 2037]	6888	[8772, 6327]	9673	[4741, 8449]
1319	[2379, 221]	4104	[757, 6140]	6889	[5601, 8773]	9674	[7152, 3844]
1320	[2380, 2381]	4105	[6141, 1955]	6890	[8774, 2633]	9675	[10572, 6987]
1321	[2382, 2073]	4106	[5002, 5140]	6891	[5162, 2313]	9676	[1288, 8703]
1322	[2383, 2328]	4107	[6142, 6005]	6892	[2388, 5940]	9677	[4304, 7794]
1323	[2384, 1860]	4108	[6143, 6144]	6893	[2541, 8775]	9678	[7637, 7840]
1324	[2385, 2099]	4109	[152, 2143]	6894	[5216, 8776]	9679	[3953, 7373]
1325	[2386, 2387]	4110	[6145, 49]	6895	[6757, 8777]	9680	[7830, 8103]
1326	[2388, 2036]	4111	[566, 6146]	6896	[4951, 5687]	9681	[1609, 7761]
1327	[2389, 2390]	4112	[2008, 5796]	6897	[2918, 8778]	9682	[8516, 264]
1328	[2391, 2392]	4113	[6147, 2334]	6898	[8779, 8780]	9683	[10324, 7911]
1329	[2393, 2394]	4114	[6148, 36]	6899	[2510, 2361]	9684	[10573, 7788]
1330	[2395, 2396]	4115	[899, 6149]	6900	[8781, 5203]	9685	[3103, 3658]
1331	[2397, 2252]	4116	[6150, 666]	6901	[5338, 837]	9686	[10516, 8337]
1332	[2398, 2399]	4117	[6151, 661]	6902	[8782, 5963]	9687	[10574, 7833]
1333	[2400, 2120]	4118	[6152, 5514]	6903	[8783, 5759]	9688	[10575, 6864]
1334	[2401, 2402]	4119	[5197, 2860]	6904	[8784, 8785]	9689	[10416, 8445]
1335	[2403, 2404]	4120	[6153, 1926]	6905	[8786, 2249]	9690	[10576, 1360]
1336	[2405, 2406]	4121	[6154, 6155]	6906	[8787, 851]	9691	[7911, 4749]
1337	[2407, 2408]	4122	[6156, 6157]	6907	[8788, 8789]	9692	[7767, 8724]
1338	[2409, 2410]	4123	[4916, 190]	6908	[8790, 2843]	9693	[4518, 10577]
1339	[1846, 2411]	4124	[5925, 5746]	6909	[8791, 8792]	9694	[4245, 3888]
1340	[2412, 2413]	4125	[6158, 6159]	6910	[8793, 8794]	9695	[7760, 10116]
1341	[2414, 2415]	4126	[6160, 6161]	6911	[8795, 5107]	9696	[3540, 977]
1342	[873, 1914]	4127	[6162, 6163]	6912	[2129, 2848]	9697	[4391, 8175]
1343	[2416, 2417]	4128	[6164, 5402]	6913	[8796, 132]	9698	[7266, 10385]
1344	[2418, 2215]	4129	[6165, 5057]	6914	[8797, 8798]	9699	[3773, 4079]
1345	[2419, 2420]	4130	[6166, 5458]	6915	[844, 6243]	9700	[8312, 7224]
1346	[2421, 1783]	4131	[6167, 938]	6916	[6224, 2929]	9701	[10578, 8631]
1347	[675, 2422]	4132	[6168, 5647]	6917	[528, 6192]	9702	[10579, 3443]
1348	[2423, 2424]	4133	[5852, 2436]	6918	[8799, 6215]	9703	[10580, 4358]
1349	[2425, 2426]	4134	[6153, 6169]	6919	[8800, 5945]	9704	[10112, 10104]
1350	[2427, 2428]	4135	[6170, 6171]	6920	[1812, 1981]	9705	[10581, 10271]

1351	[2429, 2430]	4136	[12, 6172]	6921	[8801, 5346]	9706	[10375, 10368]
1352	[2431, 1829]	4137	[6173, 2684]	6922	[2050, 2943]	9707	[10582, 10562]
1353	[631, 2432]	4138	[6174, 6175]	6923	[5939, 5254]	9708	[10583, 4539]
1354	[719, 2433]	4139	[852, 6176]	6924	[6215, 5555]	9709	[10584, 100]
1355	[2434, 2435]	4140	[6177, 6178]	6925	[8802, 674]	9710	[10217, 1682]
1356	[2428, 2436]	4141	[6179, 4982]	6926	[8803, 8804]	9711	[4625, 10241]
1357	[2437, 2438]	4142	[6180, 2388]	6927	[8805, 6528]	9712	[10585, 10586]
1358	[2439, 2440]	4143	[6181, 5651]	6928	[237, 6002]	9713	[7898, 10587]
1359	[811, 752]	4144	[6182, 6183]	6929	[8806, 6271]	9714	[6976, 1344]
1360	[2441, 2442]	4145	[6184, 6185]	6930	[602, 6150]	9715	[8210, 7888]
1361	[2443, 2444]	4146	[6186, 6187]	6931	[8807, 2196]	9716	[4122, 338]
1362	[2445, 914]	4147	[6188, 6189]	6932	[5669, 8808]	9717	[8569, 1032]
1363	[2446, 2447]	4148	[6190, 6191]	6933	[8809, 8810]	9718	[10588, 429]
1364	[2448, 2449]	4149	[1849, 6192]	6934	[8811, 2834]	9719	[10589, 3612]
1365	[2450, 2451]	4150	[6193, 2842]	6935	[752, 1837]	9720	[3536, 7000]
1366	[2452, 2380]	4151	[6194, 830]	6936	[8812, 6690]	9721	[10590, 3455]
1367	[2453, 2341]	4152	[1877, 6195]	6937	[8813, 8814]	9722	[10520, 1089]
1368	[2454, 2455]	4153	[5801, 537]	6938	[2018, 8815]	9723	[10591, 3319]
1369	[2419, 2038]	4154	[6196, 6197]	6939	[6462, 2850]	9724	[10592, 10482]
1370	[2456, 780]	4155	[6198, 39]	6940	[2515, 8816]	9725	[3972, 10456]
1371	[2457, 2147]	4156	[5848, 6199]	6941	[8817, 8818]	9726	[1081, 7368]
1372	[2458, 2459]	4157	[5933, 6200]	6942	[8819, 5757]	9727	[10536, 1593]
1373	[2460, 1969]	4158	[6201, 6202]	6943	[5833, 8820]	9728	[10151, 432]
1374	[1798, 2461]	4159	[141, 659]	6944	[8821, 5890]	9729	[10593, 3577]
1375	[2462, 2463]	4160	[6020, 5814]	6945	[8822, 6277]	9730	[3049, 10594]
1376	[2464, 2465]	4161	[1914, 2237]	6946	[8823, 8824]	9731	[10595, 10596]
1377	[1812, 2466]	4162	[1972, 2858]	6947	[8825, 8826]	9732	[7715, 398]
1378	[2467, 2468]	4163	[6131, 5138]	6948	[205, 2671]	9733	[8568, 10597]
1379	[2469, 2470]	4164	[5709, 1954]	6949	[8827, 2483]	9734	[8507, 10598]
1380	[2471, 2472]	4165	[6203, 6204]	6950	[6718, 4912]	9735	[10599, 342]
1381	[2263, 2473]	4166	[6205, 2346]	6951	[8828, 2204]	9736	[10084, 4627]
1382	[2474, 2475]	4167	[6206, 703]	6952	[8829, 5364]	9737	[1508, 1285]
1383	[2476, 2477]	4168	[6207, 5878]	6953	[8830, 8831]	9738	[10600, 4735]
1384	[2478, 2479]	4169	[6208, 4998]	6954	[8832, 5237]	9739	[10601, 10602]
1385	[2480, 2481]	4170	[6209, 6210]	6955	[8833, 5337]	9740	[7773, 10603]
1386	[2482, 566]	4171	[6211, 4999]	6956	[5302, 721]	9741	[8277, 3982]
1387	[2483, 2136]	4172	[6212, 6213]	6957	[2305, 5428]	9742	[7957, 315]
1388	[558, 2484]	4173	[6214, 6215]	6958	[8834, 5516]	9743	[3726, 10604]
1389	[2485, 2486]	4174	[6216, 2637]	6959	[48, 6015]	9744	[7721, 3378]
1390	[2487, 2488]	4175	[6217, 6218]	6960	[5374, 6025]	9745	[10605, 8379]
1391	[2489, 2490]	4176	[5686, 4952]	6961	[8835, 8836]	9746	[4489, 3708]
1392	[2491, 2492]	4177	[6219, 2459]	6962	[669, 5665]	9747	[8548, 7714]
1393	[2493, 1924]	4178	[6220, 6221]	6963	[8837, 5396]	9748	[10606, 10447]
1394	[1873, 2119]	4179	[5519, 1908]	6964	[5695, 8838]	9749	[6980, 8133]

1395	[1884, 1940]	4180	[6222, 5725]	6965	[8839, 2039]	9750	[4345, 1568]
1396	[2494, 2495]	4181	[627, 2878]	6966	[2865, 8840]	9751	[10607, 10608]
1397	[2496, 2497]	4182	[6223, 5889]	6967	[36, 5268]	9752	[1042, 7908]
1398	[2498, 1869]	4183	[6224, 154]	6968	[6339, 2884]	9753	[10609, 10191]
1399	[2499, 2500]	4184	[6225, 4906]	6969	[1858, 5219]	9754	[8367, 10610]
1400	[2501, 1827]	4185	[6226, 6227]	6970	[8841, 8842]	9755	[3210, 1590]
1401	[2502, 2503]	4186	[6228, 6010]	6971	[8843, 6780]	9756	[7489, 3301]
1402	[2504, 2505]	4187	[6229, 5365]	6972	[863, 8844]	9757	[7722, 10611]
1403	[2506, 2507]	4188	[6230, 5719]	6973	[8845, 6046]	9758	[10612, 8650]
1404	[2123, 2508]	4189	[2284, 5200]	6974	[1862, 6330]	9759	[10486, 10613]
1405	[2509, 2510]	4190	[5604, 6147]	6975	[5207, 8846]	9760	[10614, 4774]
1406	[2511, 2512]	4191	[6231, 2764]	6976	[8847, 2399]	9761	[10615, 988]
1407	[2513, 2514]	4192	[6232, 2110]	6977	[8848, 8849]	9762	[8607, 10616]
1408	[2515, 2516]	4193	[2988, 6233]	6978	[934, 5462]	9763	[8289, 8062]
1409	[2517, 1925]	4194	[6234, 6235]	6979	[8850, 6700]	9764	[10617, 3641]
1410	[762, 529]	4195	[6236, 2061]	6980	[8851, 8852]	9765	[10618, 7022]
1411	[2518, 1761]	4196	[6237, 6238]	6981	[8853, 2771]	9766	[6900, 10427]
1412	[2519, 2520]	4197	[6239, 2268]	6982	[5072, 8854]	9767	[3508, 8111]
1413	[2521, 2010]	4198	[6240, 2167]	6983	[8855, 5335]	9768	[3419, 10619]
1414	[2522, 576]	4199	[6241, 6242]	6984	[2943, 8856]	9769	[10620, 3161]
1415	[2523, 2524]	4200	[6243, 866]	6985	[8857, 6581]	9770	[10621, 3560]
1416	[2525, 2444]	4201	[6244, 4874]	6986	[245, 2258]	9771	[10078, 4116]
1417	[2526, 520]	4202	[5566, 6245]	6987	[8858, 8859]	9772	[10622, 8587]
1418	[2527, 2505]	4203	[704, 6047]	6988	[8860, 6546]	9773	[10538, 8389]
1419	[2528, 2529]	4204	[6162, 6246]	6989	[8861, 5498]	9774	[3240, 10623]
1420	[2530, 2531]	4205	[6247, 786]	6990	[8862, 8863]	9775	[8708, 10624]
1421	[2532, 2533]	4206	[6248, 5376]	6991	[8864, 2700]	9776	[7139, 8171]
1422	[2534, 2535]	4207	[6249, 5448]	6992	[6646, 8865]	9777	[398, 10623]
1423	[2455, 688]	4208	[6250, 6251]	6993	[5560, 8866]	9778	[10247, 8244]
1424	[2536, 2242]	4209	[2679, 224]	6994	[5784, 6636]	9779	[4053, 1433]
1425	[2537, 2538]	4210	[6252, 5645]	6995	[4895, 8867]	9780	[4707, 1278]
1426	[2539, 2540]	4211	[6253, 5029]	6996	[8868, 8869]	9781	[10625, 3711]
1427	[2541, 2542]	4212	[6254, 2100]	6997	[8870, 2635]	9782	[1671, 4186]
1428	[2543, 2544]	4213	[6255, 1883]	6998	[8871, 701]	9783	[3172, 8327]
1429	[2545, 2546]	4214	[2190, 148]	6999	[8872, 6323]	9784	[10626, 10232]
1430	[816, 48]	4215	[6256, 1812]	7000	[8873, 8874]	9785	[3900, 3049]
1431	[2503, 2218]	4216	[5368, 6095]	7001	[1764, 5933]	9786	[10627, 7387]
1432	[2547, 2548]	4217	[6257, 5204]	7002	[8875, 691]	9787	[7067, 7763]
1433	[2549, 2550]	4218	[6110, 2412]	7003	[8876, 2705]	9788	[10628, 3287]
1434	[2551, 2552]	4219	[939, 5675]	7004	[8877, 2164]	9789	[10629, 7184]
1435	[2553, 2554]	4220	[6258, 205]	7005	[5655, 8878]	9790	[4657, 8023]
1436	[1856, 2555]	4221	[6259, 6260]	7006	[2382, 8879]	9791	[10510, 4532]
1437	[2556, 2557]	4222	[2509, 5862]	7007	[8880, 8881]	9792	[10450, 1133]
1438	[732, 2558]	4223	[6261, 2796]	7008	[6116, 2429]	9793	[3052, 4749]

1439	[2559, 858]	4224	[5891, 6024]	7009	[8882, 8883]	9794	[10630, 3056]
1440	[2560, 2561]	4225	[5616, 585]	7010	[2738, 8884]	9795	[3083, 7744]
1441	[2562, 2563]	4226	[6262, 6263]	7011	[36, 1838]	9796	[1750, 10351]
1442	[2564, 2325]	4227	[5231, 5384]	7012	[6595, 2905]	9797	[7822, 4552]
1443	[2565, 2566]	4228	[559, 5650]	7013	[8885, 2472]	9798	[1156, 8265]
1444	[2567, 2568]	4229	[6264, 6265]	7014	[8886, 2358]	9799	[10631, 8490]
1445	[2569, 2570]	4230	[6266, 5082]	7015	[8887, 8888]	9800	[7541, 7272]
1446	[2571, 2572]	4231	[2476, 2432]	7016	[2405, 8889]	9801	[7309, 3981]
1447	[1964, 2046]	4232	[5908, 6267]	7017	[2270, 8890]	9802	[10632, 3204]
1448	[2573, 2574]	4233	[2577, 5967]	7018	[8891, 6640]	9803	[1396, 10633]
1449	[2575, 2495]	4234	[6268, 2658]	7019	[2474, 8892]	9804	[4503, 10530]
1450	[2576, 666]	4235	[6269, 2175]	7020	[8893, 8894]	9805	[10108, 7992]
1451	[2577, 2578]	4236	[6270, 5619]	7021	[8895, 528]	9806	[1102, 3815]
1452	[2579, 2580]	4237	[6271, 5237]	7022	[8896, 5561]	9807	[8464, 7492]
1453	[2581, 2582]	4238	[6272, 833]	7023	[8897, 4948]	9808	[4326, 1424]
1454	[2444, 2061]	4239	[6273, 2648]	7024	[8898, 8899]	9809	[1027, 10507]
1455	[2583, 2584]	4240	[6274, 4887]	7025	[5312, 8900]	9810	[4662, 10594]
1456	[2585, 2586]	4241	[5326, 6275]	7026	[8901, 8902]	9811	[7095, 7901]
1457	[786, 2587]	4242	[6276, 6277]	7027	[8903, 8904]	9812	[1617, 7963]
1458	[2588, 888]	4243	[6278, 6279]	7028	[8905, 2919]	9813	[8573, 8448]
1459	[2589, 2590]	4244	[6280, 6281]	7029	[8906, 6861]	9814	[10378, 3616]
1460	[2591, 2592]	4245	[6282, 6283]	7030	[8907, 5664]	9815	[4758, 10323]
1461	[2593, 2594]	4246	[2198, 6284]	7031	[8908, 8842]	9816	[7348, 10453]
1462	[2595, 2481]	4247	[6285, 2380]	7032	[8909, 8910]	9817	[294, 4038]
1463	[2596, 2597]	4248	[6286, 2080]	7033	[8911, 4919]	9818	[10634, 10181]
1464	[2598, 2599]	4249	[744, 6287]	7034	[8912, 8913]	9819	[8075, 1678]
1465	[2600, 2601]	4250	[6288, 5725]	7035	[2466, 2220]	9820	[3151, 1421]
1466	[2602, 2062]	4251	[5779, 2508]	7036	[8914, 2736]	9821	[8571, 10077]
1467	[2603, 2604]	4252	[6289, 2373]	7037	[8915, 8916]	9822	[4254, 3252]
1468	[2605, 2606]	4253	[6290, 515]	7038	[1980, 2964]	9823	[4362, 10279]
1469	[2607, 2608]	4254	[1994, 5510]	7039	[5871, 8917]	9824	[10480, 10635]
1470	[2609, 526]	4255	[6291, 6292]	7040	[2827, 8918]	9825	[10636, 3828]
1471	[2610, 2611]	4256	[619, 2828]	7041	[8919, 570]	9826	[10357, 10564]
1472	[2612, 2248]	4257	[6293, 1925]	7042	[2593, 2040]	9827	[1354, 4730]
1473	[2613, 2614]	4258	[6294, 6295]	7043	[6749, 854]	9828	[10637, 8231]
1474	[2615, 2616]	4259	[2481, 6296]	7044	[8920, 6389]	9829	[10114, 4500]
1475	[2617, 2618]	4260	[1791, 5785]	7045	[8921, 6012]	9830	[290, 4842]
1476	[2619, 2620]	4261	[6297, 5045]	7046	[8922, 716]	9831	[10559, 1672]
1477	[2621, 1975]	4262	[2554, 6298]	7047	[8923, 723]	9832	[987, 10638]
1478	[2622, 2623]	4263	[6299, 6300]	7048	[8924, 8925]	9833	[8226, 8097]
1479	[2624, 2438]	4264	[6301, 5893]	7049	[8926, 2692]	9834	[10639, 10322]
1480	[2625, 2626]	4265	[6302, 6303]	7050	[8927, 2826]	9835	[7752, 3937]
1481	[2627, 2628]	4266	[3031, 6155]	7051	[8928, 2084]	9836	[1201, 4050]
1482	[2629, 910]	4267	[6304, 808]	7052	[8929, 5364]	9837	[10174, 10586]

1483	[2113, 2630]	4268	[6305, 735]	7053	[8930, 1964]	9838	[8102, 1525]
1484	[2631, 2179]	4269	[6306, 6307]	7054	[6667, 8931]	9839	[3680, 10172]
1485	[2632, 2633]	4270	[6308, 6309]	7055	[8932, 5506]	9840	[10640, 3419]
1486	[2634, 2635]	4271	[2422, 6310]	7056	[2901, 8933]	9841	[7514, 7432]
1487	[2636, 2637]	4272	[6311, 146]	7057	[8934, 2928]	9842	[10641, 8190]
1488	[2638, 2639]	4273	[5376, 6312]	7058	[8813, 6158]	9843	[1030, 10535]
1489	[2640, 2641]	4274	[6313, 5301]	7059	[2139, 8935]	9844	[10642, 1396]
1490	[2642, 1978]	4275	[4874, 6314]	7060	[2293, 2807]	9845	[4462, 1351]
1491	[2643, 2644]	4276	[5462, 2057]	7061	[8936, 6184]	9846	[10224, 8185]
1492	[2645, 2646]	4277	[4992, 624]	7062	[1792, 6597]	9847	[7025, 3901]
1493	[2565, 2647]	4278	[5119, 6088]	7063	[8937, 5405]	9848	[10331, 8300]
1494	[774, 2648]	4279	[6315, 181]	7064	[535, 5706]	9849	[305, 1284]
1495	[2649, 2650]	4280	[6316, 5490]	7065	[2325, 6538]	9850	[7754, 7536]
1496	[2651, 2652]	4281	[6317, 2367]	7066	[6083, 5380]	9851	[1626, 3527]
1497	[2653, 2654]	4282	[6318, 2999]	7067	[5206, 8938]	9852	[10643, 8043]
1498	[2655, 2656]	4283	[6319, 6320]	7068	[8939, 8940]	9853	[10644, 4222]
1499	[2657, 2658]	4284	[882, 5888]	7069	[8941, 6243]	9854	[7982, 1233]
1500	[2659, 2660]	4285	[6321, 50]	7070	[8942, 8870]	9855	[117, 10645]
1501	[2661, 2565]	4286	[6322, 6323]	7071	[8943, 8944]	9856	[7852, 7204]
1502	[2662, 2663]	4287	[6324, 6325]	7072	[6478, 2995]	9857	[10646, 10479]
1503	[2664, 2665]	4288	[5521, 5282]	7073	[8945, 2123]	9858	[10647, 10648]
1504	[2666, 2327]	4289	[6326, 6327]	7074	[8946, 8947]	9859	[10649, 4580]
1505	[2667, 2329]	4290	[6328, 5913]	7075	[8948, 2242]	9860	[4696, 10318]
1506	[2668, 2669]	4291	[6329, 6330]	7076	[148, 5962]	9861	[10650, 7588]
1507	[2670, 680]	4292	[6331, 2496]	7077	[8949, 5550]	9862	[10117, 10151]
1508	[2671, 2672]	4293	[6332, 2494]	7078	[8950, 923]	9863	[7315, 1438]
1509	[2673, 2674]	4294	[6333, 6158]	7079	[8951, 8952]	9864	[10651, 3864]
1510	[2675, 2282]	4295	[6334, 5842]	7080	[8953, 6029]	9865	[7888, 8742]
1511	[932, 2676]	4296	[6335, 5919]	7081	[8954, 2139]	9866	[7383, 10652]
1512	[2677, 2678]	4297	[533, 6336]	7082	[8955, 5214]	9867	[7802, 1743]
1513	[1851, 2679]	4298	[6337, 5805]	7083	[5158, 8956]	9868	[10653, 120]
1514	[2680, 2681]	4299	[6338, 2398]	7084	[6829, 5075]	9869	[10103, 3556]
1515	[1928, 2682]	4300	[6339, 6340]	7085	[5614, 2027]	9870	[10315, 3119]
1516	[2683, 2684]	4301	[2799, 2461]	7086	[5700, 5839]	9871	[1130, 4289]
1517	[2685, 2605]	4302	[6341, 4893]	7087	[5214, 5988]	9872	[3745, 10654]
1518	[2686, 2298]	4303	[6342, 2235]	7088	[1950, 8957]	9873	[10655, 3513]
1519	[2687, 2688]	4304	[6343, 6344]	7089	[2979, 8777]	9874	[10656, 10648]
1520	[2689, 2690]	4305	[6345, 5430]	7090	[5412, 6531]	9875	[10657, 3231]
1521	[2691, 2692]	4306	[5250, 6346]	7091	[1882, 5355]	9876	[343, 10658]
1522	[2497, 887]	4307	[6347, 6348]	7092	[8958, 5441]	9877	[10659, 3282]
1523	[2374, 2693]	4308	[2895, 6349]	7093	[8959, 843]	9878	[10660, 3045]
1524	[2694, 2695]	4309	[6350, 6351]	7094	[8960, 5565]	9879	[7853, 4197]
1525	[2696, 2208]	4310	[6352, 704]	7095	[8961, 5566]	9880	[7370, 10333]
1526	[2697, 2698]	4311	[6353, 5149]	7096	[8962, 5990]	9881	[10661, 8093]

1527	[2699, 2442]	4312	[5460, 2263]	7097	[8963, 13]	9882	[3984, 4126]
1528	[2700, 2701]	4313	[1875, 2726]	7098	[8964, 8965]	9883	[10302, 10662]
1529	[2702, 1875]	4314	[6354, 2533]	7099	[658, 142]	9884	[7611, 4388]
1530	[2170, 2703]	4315	[6355, 641]	7100	[8966, 5682]	9885	[4604, 1393]
1531	[2704, 2705]	4316	[5572, 6356]	7101	[8967, 519]	9886	[4598, 7578]
1532	[2706, 2707]	4317	[6357, 6358]	7102	[2503, 2836]	9887	[7439, 4432]
1533	[2708, 2709]	4318	[2296, 6359]	7103	[8968, 5432]	9888	[10237, 3550]
1534	[2710, 2711]	4319	[1775, 6360]	7104	[8969, 8970]	9889	[1662, 3615]
1535	[2712, 2713]	4320	[6361, 5670]	7105	[8971, 8972]	9890	[474, 7247]
1536	[2714, 2715]	4321	[6362, 6309]	7106	[8973, 5016]	9891	[7664, 7480]
1537	[1989, 2716]	4322	[2901, 2029]	7107	[8974, 632]	9892	[28, 10663]
1538	[2717, 2718]	4323	[6363, 5171]	7108	[8950, 1833]	9893	[10640, 7482]
1539	[2719, 2720]	4324	[6364, 6365]	7109	[8975, 6722]	9894	[10664, 8269]
1540	[2721, 2722]	4325	[4968, 6037]	7110	[8976, 2013]	9895	[7276, 7858]
1541	[516, 2723]	4326	[6366, 6367]	7111	[834, 2115]	9896	[1720, 10645]
1542	[2724, 1890]	4327	[6368, 5765]	7112	[8977, 6496]	9897	[8392, 988]
1543	[2725, 2726]	4328	[2568, 5889]	7113	[5145, 6246]	9898	[8538, 476]
1544	[2727, 760]	4329	[6369, 6370]	7114	[8978, 6648]	9899	[10665, 1323]
1545	[2728, 2729]	4330	[6371, 6118]	7115	[8979, 2382]	9900	[8326, 7302]
1546	[2730, 816]	4331	[6372, 6373]	7116	[2681, 5011]	9901	[4389, 8721]
1547	[560, 2731]	4332	[6374, 6318]	7117	[8980, 5414]	9902	[4329, 7623]
1548	[2732, 2733]	4333	[5317, 2952]	7118	[8981, 6629]	9903	[7413, 10282]
1549	[2734, 2735]	4334	[6375, 62]	7119	[2659, 5874]	9904	[10666, 10587]
1550	[862, 2736]	4335	[6376, 2343]	7120	[6039, 5690]	9905	[8417, 7365]
1551	[2737, 2738]	4336	[6377, 5316]	7121	[8982, 221]	9906	[8396, 1258]
1552	[2739, 2740]	4337	[6378, 5770]	7122	[8983, 603]	9907	[3275, 10667]
1553	[2741, 2742]	4338	[6379, 5317]	7123	[8984, 5050]	9908	[7068, 7764]
1554	[2743, 612]	4339	[175, 5942]	7124	[8985, 8986]	9909	[8478, 7699]
1555	[2744, 2745]	4340	[6380, 6303]	7125	[8987, 8988]	9910	[7443, 1257]
1556	[2746, 2406]	4341	[5588, 1927]	7126	[8989, 8990]	9911	[10668, 7049]
1557	[2747, 2748]	4342	[4945, 5124]	7127	[8991, 8992]	9912	[3779, 8302]
1558	[2377, 926]	4343	[6381, 922]	7128	[2965, 2058]	9913	[10669, 1225]
1559	[2749, 2750]	4344	[2401, 6382]	7129	[8993, 6746]	9914	[4856, 7733]
1560	[2751, 2752]	4345	[6383, 6384]	7130	[1800, 8994]	9915	[3492, 4298]
1561	[2753, 2754]	4346	[887, 6210]	7131	[8995, 2565]	9916	[10165, 1574]
1562	[2755, 2031]	4347	[6385, 184]	7132	[2064, 8996]	9917	[466, 4369]
1563	[2756, 2274]	4348	[4985, 5574]	7133	[8997, 5022]	9918	[8186, 1102]
1564	[2757, 2758]	4349	[6386, 777]	7134	[8998, 5566]	9919	[10474, 10470]
1565	[2759, 801]	4350	[5434, 2613]	7135	[8999, 5426]	9920	[3669, 10670]
1566	[2760, 2761]	4351	[562, 6387]	7136	[9000, 844]	9921	[10671, 4450]
1567	[907, 2724]	4352	[6388, 880]	7137	[9001, 9002]	9922	[8682, 4582]
1568	[2762, 2625]	4353	[2329, 730]	7138	[903, 2009]	9923	[4789, 10672]
1569	[2763, 37]	4354	[6389, 2573]	7139	[5543, 6481]	9924	[10673, 6966]
1570	[2764, 2765]	4355	[6390, 6391]	7140	[9003, 9004]	9925	[10355, 3930]

1571	[2766, 2767]	4356	[2142, 2679]	7141	[2968, 1840]	9926	[4477, 4295]
1572	[2768, 2769]	4357	[6392, 5645]	7142	[41, 2044]	9927	[10674, 10675]
1573	[2770, 596]	4358	[5672, 5894]	7143	[9005, 197]	9928	[3651, 10676]
1574	[2771, 2772]	4359	[6393, 2232]	7144	[9006, 2615]	9929	[8343, 3626]
1575	[2773, 2774]	4360	[6394, 6395]	7145	[3002, 1761]	9930	[1754, 3721]
1576	[2775, 2776]	4361	[6396, 6397]	7146	[9007, 9008]	9931	[8402, 10677]
1577	[2777, 2778]	4362	[2945, 6398]	7147	[9009, 5013]	9932	[7433, 7819]
1578	[2779, 2780]	4363	[6399, 1840]	7148	[9010, 2350]	9933	[10469, 10475]
1579	[2781, 761]	4364	[6400, 5838]	7149	[6348, 812]	9934	[8471, 10462]
1580	[2782, 2783]	4365	[6401, 5834]	7150	[9011, 9012]	9935	[288, 3673]
1581	[2784, 2785]	4366	[6402, 2001]	7151	[9013, 5446]	9936	[10678, 10283]
1582	[2786, 651]	4367	[1827, 6403]	7152	[6043, 9014]	9937	[10679, 1237]
1583	[2787, 2788]	4368	[6404, 6405]	7153	[6156, 9015]	9938	[1014, 8237]
1584	[2590, 2396]	4369	[6406, 2106]	7154	[918, 4958]	9939	[3635, 1007]
1585	[2178, 2789]	4370	[2828, 6407]	7155	[5279, 9016]	9940	[320, 7866]
1586	[2790, 2791]	4371	[1778, 6195]	7156	[9017, 2440]	9941	[3517, 10680]
1587	[2792, 1884]	4372	[5888, 4957]	7157	[6732, 1850]	9942	[10681, 367]
1588	[2793, 2145]	4373	[787, 2199]	7158	[6586, 6688]	9943	[10605, 10682]
1589	[2794, 782]	4374	[1789, 2095]	7159	[1895, 2246]	9944	[10683, 3257]
1590	[2795, 2198]	4375	[6408, 2412]	7160	[9018, 2742]	9945	[1311, 7026]
1591	[2796, 2797]	4376	[5379, 5484]	7161	[9019, 9020]	9946	[10684, 1376]
1592	[2798, 2799]	4377	[6409, 6410]	7162	[5112, 5988]	9947	[7849, 3106]
1593	[2800, 2636]	4378	[5328, 6411]	7163	[2022, 2992]	9948	[10685, 8057]
1594	[2507, 2076]	4379	[888, 6412]	7164	[9021, 2274]	9949	[8474, 7901]
1595	[2801, 2353]	4380	[148, 6413]	7165	[9022, 8795]	9950	[10686, 1348]
1596	[2802, 2803]	4381	[6414, 5662]	7166	[9023, 2398]	9951	[10573, 10300]
1597	[2557, 2804]	4382	[2993, 2734]	7167	[2694, 2748]	9952	[7243, 10206]
1598	[2805, 2806]	4383	[6415, 6283]	7168	[9024, 9025]	9953	[7637, 8318]
1599	[2807, 2808]	4384	[6416, 5600]	7169	[6464, 5643]	9954	[10687, 1276]
1600	[2809, 2810]	4385	[6417, 2348]	7170	[6303, 5586]	9955	[4495, 10688]
1601	[2811, 2812]	4386	[6418, 6419]	7171	[9026, 640]	9956	[7547, 4630]
1602	[2813, 2165]	4387	[6420, 6421]	7172	[9027, 2590]	9957	[4724, 1521]
1603	[2814, 1821]	4388	[6422, 945]	7173	[6793, 5298]	9958	[10689, 10603]
1604	[1988, 2815]	4389	[4921, 2819]	7174	[9028, 9029]	9959	[3848, 10602]
1605	[2816, 2817]	4390	[6423, 2250]	7175	[9030, 1792]	9960	[323, 1352]
1606	[2818, 2819]	4391	[6424, 2022]	7176	[9031, 5003]	9961	[10690, 1560]
1607	[2411, 680]	4392	[2110, 5323]	7177	[9032, 5833]	9962	[7038, 1399]
1608	[2375, 2820]	4393	[1954, 2146]	7178	[9033, 9034]	9963	[8342, 3608]
1609	[1833, 924]	4394	[6425, 6426]	7179	[6705, 9035]	9964	[7508, 4330]
1610	[2821, 2822]	4395	[6427, 6428]	7180	[9036, 6057]	9965	[10691, 7924]
1611	[2823, 2193]	4396	[840, 4904]	7181	[5413, 9037]	9966	[7299, 7684]
1612	[2824, 2825]	4397	[6429, 6430]	7182	[9038, 5773]	9967	[8315, 8519]
1613	[2826, 2827]	4398	[5009, 5280]	7183	[2504, 6478]	9968	[1226, 7712]
1614	[2223, 2828]	4399	[6431, 3025]	7184	[9039, 2918]	9969	[10692, 10598]

1615	[2829, 2830]	4400	[6432, 6333]	7185	[5738, 5416]	9970	[4530, 10429]
1616	[2831, 2832]	4401	[1824, 6433]	7186	[9040, 8767]	9971	[10693, 10253]
1617	[2695, 2833]	4402	[5808, 6434]	7187	[6147, 9041]	9972	[8439, 10694]
1618	[2834, 2835]	4403	[6435, 671]	7188	[6668, 2851]	9973	[7878, 1165]
1619	[2836, 2219]	4404	[6436, 5363]	7189	[5154, 1915]	9974	[10695, 10624]
1620	[2355, 2837]	4405	[6437, 2011]	7190	[719, 9042]	9975	[1716, 8515]
1621	[2838, 1921]	4406	[6438, 6439]	7191	[9043, 9044]	9976	[4072, 3610]
1622	[2785, 2839]	4407	[6440, 2261]	7192	[642, 9045]	9977	[10696, 8567]
1623	[2788, 564]	4408	[5259, 1963]	7193	[9046, 6804]	9978	[10697, 10663]
1624	[2840, 2841]	4409	[6441, 6442]	7194	[6440, 5931]	9979	[10698, 4486]
1625	[2842, 2843]	4410	[6443, 2019]	7195	[9047, 9048]	9980	[3851, 4238]
1626	[2844, 2740]	4411	[3010, 6444]	7196	[9049, 6175]	9981	[10523, 7792]
1627	[2845, 2846]	4412	[5172, 4949]	7197	[6099, 638]	9982	[8078, 8289]
1628	[190, 1797]	4413	[2859, 1887]	7198	[9050, 6810]	9983	[969, 10699]
1629	[2847, 2848]	4414	[6445, 5588]	7199	[5876, 9051]	9984	[4499, 4080]
1630	[2849, 60]	4415	[6446, 5147]	7200	[6550, 2355]	9985	[4557, 10203]
1631	[749, 2850]	4416	[6447, 5277]	7201	[2557, 9052]	9986	[441, 8745]
1632	[2851, 2852]	4417	[6448, 5312]	7202	[9053, 9054]	9987	[10700, 481]
1633	[2853, 2854]	4418	[6449, 5041]	7203	[9055, 9056]	9988	[10540, 10667]
1634	[2855, 1887]	4419	[6450, 6451]	7204	[9057, 6071]	9989	[983, 10319]
1635	[2856, 2490]	4420	[6452, 5938]	7205	[8916, 3012]	9990	[7999, 8345]
1636	[2286, 2854]	4421	[5813, 5790]	7206	[9058, 5338]	9991	[7563, 10652]
1637	[2854, 2857]	4422	[6453, 5969]	7207	[9059, 5374]	9992	[10701, 10702]
1638	[2858, 2851]	4423	[766, 5597]	7208	[2194, 9060]	9993	[10464, 6862]
1639	[1915, 873]	4424	[6454, 5352]	7209	[9061, 9062]	9994	[10552, 4020]
1640	[879, 2859]	4425	[2906, 6161]	7210	[5066, 9063]	9995	[7288, 8610]
1641	[2287, 875]	4426	[5244, 6455]	7211	[6625, 946]	9996	[3068, 4676]
1642	[2854, 2860]	4427	[2023, 6456]	7212	[6027, 5439]	9997	[4661, 3049]
1643	[2861, 2709]	4428	[6457, 5109]	7213	[6522, 2089]	9998	[7950, 7727]
1644	[2051, 2862]	4429	[6458, 6299]	7214	[6403, 6346]	9999	[7312, 7916]
1645	[917, 2863]	4430	[6459, 5859]	7215	[5415, 5739]	10000	[10703, 433]
1646	[2864, 2865]	4431	[6460, 2054]	7216	[6821, 6541]	10001	[10704, 10238]
1647	[2866, 2867]	4432	[6461, 2415]	7217	[9064, 6529]	10002	[10705, 4181]
1648	[820, 2163]	4433	[2468, 6462]	7218	[2791, 9065]	10003	[10251, 8347]
1649	[2868, 2245]	4434	[5405, 6463]	7219	[5607, 1816]	10004	[10123, 4539]
1650	[2869, 2870]	4435	[5922, 5802]	7220	[9066, 6300]	10005	[4073, 1372]
1651	[2871, 2872]	4436	[6464, 6465]	7221	[9067, 5591]	10006	[10547, 10613]
1652	[2873, 2874]	4437	[6466, 2882]	7222	[5469, 5014]	10007	[3701, 7297]
1653	[2875, 734]	4438	[6467, 5415]	7223	[9068, 9069]	10008	[10260, 3075]
1654	[2876, 2125]	4439	[682, 2091]	7224	[9070, 6533]	10009	[10706, 117]
1655	[2877, 2878]	4440	[6468, 774]	7225	[6542, 2297]	10010	[7799, 10707]
1656	[2373, 2879]	4441	[6469, 5274]	7226	[190, 9071]	10011	[1159, 10409]
1657	[515, 883]	4442	[6470, 2773]	7227	[9072, 9073]	10012	[10708, 3044]
1658	[2880, 2881]	4443	[6471, 2073]	7228	[1775, 8785]	10013	[8611, 7766]

1659	[202, 2392]	4444	[6472, 250]	7229	[9074, 5861]	10014	[10709, 4761]
1660	[2179, 2882]	4445	[2756, 867]	7230	[2084, 1989]	10015	[3634, 1006]
1661	[2883, 2884]	4446	[674, 5293]	7231	[156, 6500]	10016	[4317, 10710]
1662	[2885, 2886]	4447	[695, 829]	7232	[5192, 9075]	10017	[10711, 4593]
1663	[2887, 2888]	4448	[697, 2542]	7233	[6343, 9076]	10018	[3056, 3693]
1664	[2889, 2890]	4449	[6473, 6474]	7234	[2119, 6766]	10019	[8055, 10680]
1665	[2891, 2892]	4450	[6475, 6476]	7235	[2266, 2278]	10020	[10712, 7155]
1666	[2150, 2893]	4451	[6477, 2947]	7236	[9077, 9078]	10021	[7823, 7742]
1667	[1924, 2894]	4452	[2527, 6478]	7237	[9079, 2179]	10022	[10713, 8640]
1668	[2119, 2890]	4453	[5638, 941]	7238	[9080, 2675]	10023	[4673, 7908]
1669	[2895, 2896]	4454	[6479, 2324]	7239	[6668, 878]	10024	[10714, 1318]
1670	[2897, 2898]	4455	[6480, 6481]	7240	[2857, 2856]	10025	[3357, 4025]
1671	[2815, 2899]	4456	[6482, 5999]	7241	[9081, 9082]	10026	[4165, 8672]
1672	[2900, 2901]	4457	[6483, 6484]	7242	[9083, 9084]	10027	[6954, 4088]
1673	[2902, 2903]	4458	[6485, 4875]	7243	[9085, 2988]	10028	[10715, 7640]
1674	[2904, 2905]	4459	[2681, 6486]	7244	[9086, 2369]	10029	[10716, 4300]
1675	[2906, 2907]	4460	[6487, 6488]	7245	[6707, 8856]	10030	[8361, 10139]
1676	[2908, 2909]	4461	[6489, 6490]	7246	[9087, 6063]	10031	[1089, 3716]
1677	[133, 2910]	4462	[6491, 6492]	7247	[9088, 6642]	10032	[1386, 4110]
1678	[638, 2911]	4463	[1867, 5188]	7248	[5071, 6014]	10033	[7237, 4857]
1679	[499, 2912]	4464	[6493, 6494]	7249	[2078, 9089]	10034	[4418, 3158]
1680	[2913, 2914]	4465	[6495, 208]	7250	[6279, 6218]	10035	[10717, 4008]
1681	[2915, 2916]	4466	[6496, 1810]	7251	[5472, 9090]	10036	[1088, 1651]
1682	[2917, 2918]	4467	[6421, 6497]	7252	[9091, 6734]	10037	[7424, 7327]
1683	[1760, 2919]	4468	[2156, 5472]	7253	[5653, 870]	10038	[1022, 3126]
1684	[2920, 2921]	4469	[2588, 5314]	7254	[9092, 9093]	10039	[10718, 96]
1685	[2922, 237]	4470	[6498, 6499]	7255	[9094, 614]	10040	[10719, 10069]
1686	[2923, 2924]	4471	[2291, 6500]	7256	[9095, 9096]	10041	[7635, 7746]
1687	[2925, 925]	4472	[5061, 2910]	7257	[2469, 9097]	10042	[8695, 1598]
1688	[2926, 678]	4473	[2947, 2722]	7258	[9098, 5262]	10043	[7432, 3260]
1689	[2927, 2928]	4474	[6501, 6415]	7259	[2478, 9099]	10044	[3190, 7095]
1690	[2929, 2930]	4475	[6502, 6503]	7260	[9100, 9101]	10045	[7552, 8262]
1691	[2931, 2932]	4476	[6504, 4944]	7261	[6063, 9102]	10046	[3267, 4045]
1692	[2933, 2558]	4477	[6505, 6281]	7262	[9103, 9104]	10047	[8307, 4737]
1693	[2934, 2935]	4478	[5339, 838]	7263	[9105, 2453]	10048	[487, 1406]
1694	[2936, 2937]	4479	[6506, 6507]	7264	[9106, 5709]	10049	[7482, 10619]
1695	[2938, 2779]	4480	[6324, 2628]	7265	[9107, 9108]	10050	[10720, 10721]
1696	[2939, 2486]	4481	[6508, 6509]	7266	[6558, 144]	10051	[10722, 10445]
1697	[2940, 2941]	4482	[5748, 644]	7267	[9109, 2846]	10052	[10723, 253]
1698	[2942, 2943]	4483	[6510, 6511]	7268	[2273, 9110]	10053	[6307, 800]
1699	[2944, 2510]	4484	[6512, 2681]	7269	[2093, 4883]	10054	[6363, 5379]
1700	[2945, 2946]	4485	[6278, 6217]	7270	[9111, 5015]	10055	[1975, 5935]
1701	[2947, 2948]	4486	[1916, 5640]	7271	[2145, 1848]	10056	[5849, 916]
1702	[2594, 2949]	4487	[6513, 6514]	7272	[9112, 2806]	10057	[5813, 6649]

1703	[2950, 2951]	4488	[6515, 6516]	7273	[2658, 9113]	10058	[10031, 6364]
1704	[2779, 2952]	4489	[6517, 6518]	7274	[848, 5384]	10059	[5666, 2782]
1705	[2953, 2954]	4490	[6519, 6520]	7275	[2070, 9114]	10060	[6348, 5678]
1706	[2955, 2608]	4491	[6521, 6522]	7276	[5293, 2422]	10061	[9019, 6723]
1707	[2956, 1777]	4492	[1957, 5119]	7277	[9115, 551]	10062	[10724, 6301]
1708	[2957, 2958]	4493	[6523, 6524]	7278	[9116, 9117]	10063	[5538, 6463]
1709	[2959, 2960]	4494	[6525, 2007]	7279	[2422, 8836]	10064	[2451, 2162]
1710	[2961, 2962]	4495	[6526, 6527]	7280	[2820, 6722]	10065	[10725, 9473]
1711	[2963, 2964]	4496	[6159, 616]	7281	[9118, 644]	10066	[4974, 4934]
1712	[2219, 2239]	4497	[5049, 6528]	7282	[5969, 5208]	10067	[10726, 5051]
1713	[2965, 2966]	4498	[5304, 6529]	7283	[8983, 713]	10068	[6852, 6072]
1714	[2967, 2968]	4499	[6530, 6531]	7284	[9119, 2944]	10069	[9718, 214]
1715	[2969, 200]	4500	[6532, 6533]	7285	[9120, 9121]	10070	[10727, 8918]
1716	[2970, 2175]	4501	[6534, 5350]	7286	[6113, 2991]	10071	[517, 9831]
1717	[2971, 2972]	4502	[6535, 2799]	7287	[2339, 5053]	10072	[6468, 6273]
1718	[2973, 2974]	4503	[6536, 769]	7288	[9122, 6335]	10073	[10014, 6652]
1719	[2975, 2976]	4504	[5322, 2111]	7289	[9123, 5892]	10074	[9911, 2634]
1720	[2977, 2978]	4505	[6537, 640]	7290	[5833, 2761]	10075	[9064, 5305]
1721	[2930, 2979]	4506	[6041, 6538]	7291	[9124, 185]	10076	[4924, 5788]
1722	[2980, 2981]	4507	[2701, 2714]	7292	[6388, 6063]	10077	[9412, 517]
1723	[2982, 2983]	4508	[6539, 6540]	7293	[8784, 6360]	10078	[4915, 189]
1724	[2984, 2858]	4509	[3002, 5196]	7294	[9125, 2606]	10079	[10728, 10729]
1725	[2985, 2986]	4510	[6419, 6213]	7295	[4887, 5630]	10080	[577, 5753]
1726	[2987, 2988]	4511	[6541, 5152]	7296	[723, 5526]	10081	[2232, 2404]
1727	[2989, 2990]	4512	[6542, 2686]	7297	[9126, 9127]	10082	[2705, 4988]
1728	[734, 2991]	4513	[6543, 6544]	7298	[9128, 2308]	10083	[10730, 10731]
1729	[2992, 2993]	4514	[2412, 5824]	7299	[2980, 9129]	10084	[10732, 9048]
1730	[2994, 748]	4515	[5969, 5026]	7300	[6529, 6860]	10085	[10733, 2443]
1731	[2505, 2995]	4516	[6545, 6546]	7301	[9130, 2743]	10086	[10734, 8865]
1732	[2809, 537]	4517	[6547, 1943]	7302	[9131, 862]	10087	[10735, 9693]
1733	[2996, 2693]	4518	[6548, 6549]	7303	[6298, 5358]	10088	[2810, 538]
1734	[2997, 2070]	4519	[6550, 5778]	7304	[9132, 9133]	10089	[9244, 3032]
1735	[2998, 2654]	4520	[6551, 2021]	7305	[9050, 9134]	10090	[5699, 548]
1736	[2999, 3000]	4521	[6552, 2586]	7306	[9135, 9136]	10091	[5251, 5811]
1737	[3001, 3002]	4522	[164, 6553]	7307	[6839, 8898]	10092	[10736, 8992]
1738	[3003, 3004]	4523	[6554, 6555]	7308	[1850, 2142]	10093	[10737, 5176]
1739	[3005, 3006]	4524	[2454, 1918]	7309	[144, 822]	10094	[9252, 4954]
1740	[3007, 3008]	4525	[5873, 2660]	7310	[189, 1796]	10095	[10738, 1872]
1741	[3009, 2842]	4526	[5917, 6556]	7311	[5678, 2134]	10096	[2043, 42]
1742	[2009, 3010]	4527	[6557, 5565]	7312	[9137, 2503]	10097	[9921, 9762]
1743	[3011, 3012]	4528	[6558, 821]	7313	[9118, 5452]	10098	[10739, 5918]
1744	[3013, 693]	4529	[6559, 6560]	7314	[204, 9138]	10099	[10740, 8931]
1745	[3014, 3015]	4530	[6561, 6274]	7315	[9034, 8940]	10100	[10741, 9671]
1746	[3016, 3017]	4531	[6562, 6563]	7316	[9139, 2877]	10101	[10742, 1790]

1747	[3018, 1955]	4532	[6564, 6565]	7317	[858, 174]	10102	[10743, 2139]
1748	[2228, 2531]	4533	[6566, 6567]	7318	[2619, 9075]	10103	[5991, 5526]
1749	[3019, 2289]	4534	[5899, 5201]	7319	[9140, 6134]	10104	[43, 6794]
1750	[3020, 205]	4535	[6568, 6569]	7320	[9141, 9142]	10105	[5058, 6595]
1751	[1947, 823]	4536	[1900, 6570]	7321	[9143, 9144]	10106	[10725, 5056]
1752	[3021, 3022]	4537	[6571, 219]	7322	[6614, 9138]	10107	[10744, 8972]
1753	[3023, 854]	4538	[6572, 6279]	7323	[9145, 9146]	10108	[10745, 9406]
1754	[3024, 3025]	4539	[6573, 34]	7324	[5394, 5319]	10109	[633, 9146]
1755	[3026, 3027]	4540	[5741, 759]	7325	[6350, 9147]	10110	[5017, 5627]
1756	[3028, 3029]	4541	[6574, 6575]	7326	[4916, 1796]	10111	[10746, 5148]
1757	[3030, 3031]	4542	[6576, 6577]	7327	[6247, 2491]	10112	[5313, 888]
1758	[3032, 3033]	4543	[6578, 1891]	7328	[6537, 6355]	10113	[5219, 9773]
1759	[3034, 3035]	4544	[2136, 216]	7329	[9148, 9093]	10114	[10747, 5229]
1760	[1344, 3036]	4545	[6579, 5867]	7330	[8, 2863]	10115	[844, 865]
1761	[3037, 1744]	4546	[6580, 6581]	7331	[9149, 5767]	10116	[2820, 9019]
1762	[3038, 3039]	4547	[2941, 6582]	7332	[8992, 2563]	10117	[10748, 9051]
1763	[3040, 1109]	4548	[6583, 5995]	7333	[1968, 6692]	10118	[10749, 2782]
1764	[3041, 3042]	4549	[2200, 6336]	7334	[5812, 5789]	10119	[10750, 5057]
1765	[3043, 1314]	4550	[6584, 2351]	7335	[6833, 6842]	10120	[10751, 9205]
1766	[3044, 3045]	4551	[2318, 6541]	7336	[2245, 2428]	10121	[10752, 6713]
1767	[3046, 3047]	4552	[6585, 6123]	7337	[9150, 6364]	10122	[9611, 9330]
1768	[972, 3048]	4553	[6264, 5221]	7338	[9151, 9152]	10123	[9467, 10753]
1769	[3049, 3050]	4554	[6586, 6569]	7339	[892, 9153]	10124	[10754, 6562]
1770	[3051, 3052]	4555	[6418, 6212]	7340	[238, 6003]	10125	[9735, 2385]
1771	[3053, 3054]	4556	[6587, 5617]	7341	[9154, 5003]	10126	[5796, 5210]
1772	[3055, 3056]	4557	[2135, 215]	7342	[9155, 8769]	10127	[10755, 9754]
1773	[3057, 1260]	4558	[6588, 1951]	7343	[5044, 6654]	10128	[9437, 9464]
1774	[3058, 3059]	4559	[6589, 2318]	7344	[9156, 2972]	10129	[9853, 642]
1775	[3060, 3061]	4560	[6590, 6591]	7345	[3007, 9157]	10130	[5203, 9580]
1776	[3062, 3063]	4561	[6592, 6593]	7346	[8763, 5519]	10131	[2181, 6365]
1777	[3064, 1657]	4562	[6474, 1949]	7347	[9158, 9159]	10132	[5940, 8981]
1778	[3065, 3066]	4563	[6594, 6136]	7348	[5511, 9160]	10133	[10756, 2902]
1779	[3067, 3068]	4564	[6595, 6596]	7349	[9161, 2659]	10134	[10023, 9374]
1780	[3069, 3070]	4565	[5883, 6597]	7350	[612, 742]	10135	[2582, 9035]
1781	[3071, 3072]	4566	[505, 1975]	7351	[9162, 5614]	10136	[755, 5717]
1782	[3073, 3074]	4567	[6598, 6599]	7352	[9163, 6295]	10137	[10757, 5284]
1783	[3075, 3076]	4568	[2860, 2856]	7353	[517, 5676]	10138	[548, 9297]
1784	[3077, 3078]	4569	[5704, 6600]	7354	[8828, 9164]	10139	[6687, 9344]
1785	[3079, 3080]	4570	[6445, 669]	7355	[729, 2330]	10140	[5765, 10758]
1786	[3081, 3082]	4571	[2352, 789]	7356	[6443, 8815]	10141	[5607, 2961]
1787	[3083, 3084]	4572	[6601, 2388]	7357	[9165, 9166]	10142	[10759, 5774]
1788	[1158, 3085]	4573	[6602, 5244]	7358	[5003, 9167]	10143	[2296, 6397]
1789	[3086, 3087]	4574	[6603, 5079]	7359	[9168, 2639]	10144	[9366, 9914]
1790	[3088, 3089]	4575	[238, 6604]	7360	[5022, 5168]	10145	[6767, 9998]

1791	[3090, 3091]	4576	[6605, 6606]	7361	[9169, 9170]	10146	[1966, 6287]
1792	[3092, 1064]	4577	[5210, 6444]	7362	[9171, 5607]	10147	[9417, 6677]
1793	[1592, 3093]	4578	[6607, 226]	7363	[5639, 1917]	10148	[859, 10760]
1794	[3094, 3095]	4579	[5826, 6608]	7364	[1858, 8938]	10149	[10761, 2938]
1795	[3096, 111]	4580	[5014, 5252]	7365	[191, 2106]	10150	[10762, 9108]
1796	[3097, 3098]	4581	[2842, 5411]	7366	[9172, 1932]	10151	[5043, 5876]
1797	[3099, 3100]	4582	[6609, 2158]	7367	[5897, 543]	10152	[10749, 5524]
1798	[3101, 3102]	4583	[588, 5291]	7368	[9173, 9174]	10153	[2753, 8846]
1799	[3103, 3104]	4584	[6610, 686]	7369	[9175, 9034]	10154	[10763, 6053]
1800	[3105, 3106]	4585	[6611, 6612]	7370	[9176, 5947]	10155	[6031, 9610]
1801	[294, 3107]	4586	[6613, 5023]	7371	[9177, 5750]	10156	[10764, 5948]
1802	[3108, 1139]	4587	[6614, 1861]	7372	[9178, 9179]	10157	[9333, 5908]
1803	[3109, 3110]	4588	[6615, 6616]	7373	[5978, 1918]	10158	[9475, 9661]
1804	[3111, 335]	4589	[6617, 6618]	7374	[5864, 9180]	10159	[10765, 1889]
1805	[1214, 3112]	4590	[6619, 6620]	7375	[9181, 9182]	10160	[6798, 784]
1806	[384, 3113]	4591	[6621, 1893]	7376	[9183, 5391]	10161	[10766, 9368]
1807	[3114, 3115]	4592	[2904, 6596]	7377	[4928, 757]	10162	[10767, 746]
1808	[3116, 3117]	4593	[6622, 5211]	7378	[2321, 4993]	10163	[2845, 6685]
1809	[3118, 491]	4594	[819, 2162]	7379	[9184, 6791]	10164	[6428, 9422]
1810	[3119, 3120]	4595	[1962, 6623]	7380	[5052, 855]	10165	[10768, 2321]
1811	[3121, 3122]	4596	[5380, 6624]	7381	[9185, 2650]	10166	[6657, 5248]
1812	[3123, 3124]	4597	[6625, 2791]	7382	[9186, 6012]	10167	[10769, 6318]
1813	[104, 3125]	4598	[6626, 499]	7383	[2932, 8890]	10168	[6184, 9437]
1814	[3126, 3127]	4599	[6627, 652]	7384	[9187, 912]	10169	[2367, 6199]
1815	[428, 3128]	4600	[6628, 6629]	7385	[9188, 6574]	10170	[10770, 6290]
1816	[3129, 3130]	4601	[2829, 808]	7386	[5246, 5161]	10171	[2354, 2941]
1817	[3131, 3132]	4602	[6630, 6430]	7387	[9189, 818]	10172	[10771, 9525]
1818	[3133, 3134]	4603	[6631, 6632]	7388	[2713, 6606]	10173	[10772, 5454]
1819	[3135, 3136]	4604	[6633, 6634]	7389	[9190, 9191]	10174	[9992, 9843]
1820	[3137, 3138]	4605	[170, 6051]	7390	[9192, 9193]	10175	[10773, 133]
1821	[3139, 3140]	4606	[5254, 6635]	7391	[5682, 819]	10176	[10774, 10039]
1822	[3141, 3142]	4607	[6636, 5304]	7392	[2959, 5521]	10177	[2785, 9743]
1823	[3143, 3144]	4608	[1899, 6637]	7393	[9194, 8881]	10178	[5946, 9809]
1824	[3145, 1146]	4609	[5173, 5463]	7394	[2465, 9195]	10179	[2902, 9528]
1825	[3146, 3147]	4610	[2686, 6638]	7395	[9196, 5960]	10180	[8782, 9609]
1826	[3148, 3149]	4611	[6639, 6640]	7396	[9197, 2631]	10181	[9430, 9813]
1827	[3150, 3151]	4612	[6641, 6642]	7397	[9198, 937]	10182	[6623, 2194]
1828	[3152, 3153]	4613	[5858, 6643]	7398	[9199, 5345]	10183	[5677, 812]
1829	[3154, 3155]	4614	[6644, 6415]	7399	[9200, 9201]	10184	[10775, 8811]
1830	[3156, 3157]	4615	[6645, 6646]	7400	[9202, 9203]	10185	[1809, 9564]
1831	[3158, 3159]	4616	[5309, 2191]	7401	[6048, 6008]	10186	[9299, 2405]
1832	[3160, 3161]	4617	[6647, 6091]	7402	[5145, 6163]	10187	[10776, 2971]
1833	[3162, 317]	4618	[5817, 6582]	7403	[918, 5710]	10188	[9664, 6185]
1834	[3163, 1664]	4619	[6648, 2371]	7404	[5624, 2768]	10189	[5708, 1953]

1835	[3164, 3165]	4620	[5789, 6649]	7405	[5403, 2537]	10190	[10777, 6301]
1836	[3166, 3167]	4621	[6650, 5649]	7406	[9204, 2144]	10191	[10004, 2052]
1837	[1420, 3168]	4622	[6651, 698]	7407	[5372, 2421]	10192	[10778, 6522]
1838	[3169, 3170]	4623	[6546, 6652]	7408	[9205, 217]	10193	[9059, 6024]
1839	[3171, 3172]	4624	[6653, 5160]	7409	[9206, 9207]	10194	[9352, 2297]
1840	[3173, 3174]	4625	[6654, 6655]	7410	[9208, 6643]	10195	[10773, 5061]
1841	[3175, 3176]	4626	[6255, 2792]	7411	[5793, 5698]	10196	[10779, 6172]
1842	[3177, 3178]	4627	[6563, 6656]	7412	[9209, 2250]	10197	[10780, 2339]
1843	[3179, 3180]	4628	[6657, 5135]	7413	[5158, 8852]	10198	[10781, 6011]
1844	[3181, 384]	4629	[6658, 6291]	7414	[6831, 9210]	10199	[10782, 9646]
1845	[3182, 3183]	4630	[6593, 2357]	7415	[6120, 5540]	10200	[1963, 2194]
1846	[3184, 1093]	4631	[3016, 6659]	7416	[9211, 9212]	10201	[3000, 5743]
1847	[3185, 3186]	4632	[6660, 608]	7417	[9213, 2994]	10202	[10783, 2376]
1848	[3187, 3188]	4633	[5301, 720]	7418	[9214, 6786]	10203	[6854, 9342]
1849	[3189, 3190]	4634	[2887, 6661]	7419	[9215, 9166]	10204	[6562, 6227]
1850	[3191, 3192]	4635	[6662, 5028]	7420	[9216, 2522]	10205	[10008, 1782]
1851	[3193, 445]	4636	[6663, 648]	7421	[9217, 5092]	10206	[9341, 6580]
1852	[3194, 1195]	4637	[2988, 2688]	7422	[9218, 2261]	10207	[10784, 10731]
1853	[3195, 3196]	4638	[6664, 698]	7423	[9219, 6567]	10208	[10785, 2048]
1854	[1513, 3197]	4639	[6665, 725]	7424	[660, 9220]	10209	[6046, 9418]
1855	[3198, 3199]	4640	[6666, 6667]	7425	[9221, 9222]	10210	[5532, 179]
1856	[3200, 3201]	4641	[244, 2273]	7426	[9223, 9224]	10211	[5417, 9644]
1857	[3202, 3203]	4642	[2490, 1912]	7427	[9225, 2066]	10212	[2993, 5483]
1858	[3204, 3205]	4643	[1972, 6668]	7428	[9226, 9227]	10213	[8804, 6433]
1859	[3206, 3207]	4644	[5199, 2286]	7429	[9228, 9229]	10214	[10786, 529]
1860	[3208, 3209]	4645	[878, 2852]	7430	[5995, 9230]	10215	[6832, 2636]
1861	[3210, 3211]	4646	[2282, 5154]	7431	[6571, 5053]	10216	[9987, 6176]
1862	[3212, 1014]	4647	[6669, 1913]	7432	[9231, 5179]	10217	[10787, 5957]
1863	[3213, 3214]	4648	[2237, 2675]	7433	[4919, 2391]	10218	[10050, 6183]
1864	[3215, 3216]	4649	[2859, 5153]	7434	[9232, 637]	10219	[9939, 6234]
1865	[3217, 3218]	4650	[1888, 230]	7435	[5005, 9233]	10220	[9928, 4892]
1866	[3219, 1205]	4651	[6670, 1959]	7436	[5617, 586]	10221	[2563, 6378]
1867	[3220, 3221]	4652	[6671, 6672]	7437	[3012, 2872]	10222	[557, 2314]
1868	[3222, 3223]	4653	[2634, 6673]	7438	[1896, 2893]	10223	[5248, 5943]
1869	[262, 1423]	4654	[6674, 6675]	7439	[9234, 2468]	10224	[1922, 6036]
1870	[3224, 1583]	4655	[2918, 5126]	7440	[2816, 9235]	10225	[8869, 5602]
1871	[1498, 3225]	4656	[2123, 5780]	7441	[9236, 9237]	10226	[6470, 5806]
1872	[3226, 1622]	4657	[6676, 761]	7442	[5339, 6100]	10227	[6546, 9003]
1873	[3106, 416]	4658	[2386, 6677]	7443	[9238, 779]	10228	[10788, 6068]
1874	[3227, 3228]	4659	[6678, 5697]	7444	[9239, 9240]	10229	[10789, 8824]
1875	[1128, 3229]	4660	[529, 6263]	7445	[5002, 6108]	10230	[10790, 2501]
1876	[3230, 3067]	4661	[6679, 4884]	7446	[6820, 1844]	10231	[10791, 4919]
1877	[3231, 3232]	4662	[6680, 5986]	7447	[6014, 8854]	10232	[9546, 681]
1878	[3233, 3234]	4663	[6681, 6682]	7448	[9241, 9242]	10233	[1857, 5206]

1879	[3235, 3236]	4664	[5080, 5054]	7449	[9006, 6828]	10234	[6128, 2311]
1880	[3237, 378]	4665	[6683, 6684]	7450	[9243, 8973]	10235	[10792, 2050]
1881	[3238, 3239]	4666	[2599, 6027]	7451	[2915, 1950]	10236	[8834, 8756]
1882	[1070, 3240]	4667	[5945, 2976]	7452	[2089, 5827]	10237	[10039, 6724]
1883	[1210, 3157]	4668	[6685, 6686]	7453	[9244, 1767]	10238	[6135, 9556]
1884	[3241, 3242]	4669	[6687, 5479]	7454	[6131, 9245]	10239	[10793, 9695]
1885	[484, 3243]	4670	[6568, 6688]	7455	[2869, 6264]	10240	[10794, 5184]
1886	[3244, 3245]	4671	[6002, 6604]	7456	[5254, 2394]	10241	[10795, 5543]
1887	[3246, 457]	4672	[6689, 6690]	7457	[9246, 9247]	10242	[10796, 9182]
1888	[3247, 3248]	4673	[6691, 6202]	7458	[9248, 8888]	10243	[6194, 2703]
1889	[444, 3249]	4674	[2460, 6692]	7459	[6301, 5672]	10244	[10797, 9359]
1890	[1690, 3250]	4675	[6312, 5866]	7460	[769, 5324]	10245	[6064, 9447]
1891	[3251, 1237]	4676	[6693, 6694]	7461	[9249, 2340]	10246	[5726, 5025]
1892	[3252, 3253]	4677	[6695, 6696]	7462	[9049, 9250]	10247	[10798, 625]
1893	[3254, 3255]	4678	[6697, 6698]	7463	[9251, 5302]	10248	[2956, 757]
1894	[3256, 3257]	4679	[6699, 6700]	7464	[9252, 9253]	10249	[2164, 6448]
1895	[3258, 1740]	4680	[6685, 6701]	7465	[9254, 9117]	10250	[9904, 9738]
1896	[3259, 3260]	4681	[6702, 852]	7466	[9255, 6016]	10251	[9562, 10758]
1897	[3261, 3262]	4682	[236, 2601]	7467	[9256, 9257]	10252	[1834, 9089]
1898	[3263, 3264]	4683	[6703, 6704]	7468	[9258, 9259]	10253	[5141, 10799]
1899	[3265, 1730]	4684	[6705, 6706]	7469	[9260, 9261]	10254	[10800, 9883]
1900	[1749, 3266]	4685	[6707, 6073]	7470	[9262, 9263]	10255	[10801, 2137]
1901	[3267, 3268]	4686	[6708, 6709]	7471	[9264, 4985]	10256	[1849, 10802]
1902	[3269, 66]	4687	[2202, 6710]	7472	[6487, 9090]	10257	[10803, 5477]
1903	[3270, 1187]	4688	[5233, 6711]	7473	[9265, 5972]	10258	[229, 1911]
1904	[3271, 3272]	4689	[2846, 6701]	7474	[1880, 180]	10259	[9731, 9127]
1905	[3273, 3274]	4690	[703, 6696]	7475	[5775, 2874]	10260	[10804, 4922]
1906	[3275, 3276]	4691	[5761, 6104]	7476	[2381, 6212]	10261	[10805, 1971]
1907	[3277, 3278]	4692	[6712, 6713]	7477	[9206, 9266]	10262	[5065, 5723]
1908	[1558, 3279]	4693	[6714, 5378]	7478	[9267, 6562]	10263	[10756, 5842]
1909	[3280, 3281]	4694	[6715, 5387]	7479	[8942, 2634]	10264	[6601, 2035]
1910	[3282, 3283]	4695	[6716, 6105]	7480	[9268, 6341]	10265	[10806, 5662]
1911	[3284, 3285]	4696	[5392, 6717]	7481	[6229, 9269]	10266	[2916, 6747]
1912	[1510, 3286]	4697	[6718, 573]	7482	[693, 2313]	10267	[174, 8844]
1913	[340, 1262]	4698	[6719, 5376]	7483	[5352, 6661]	10268	[687, 915]
1914	[1036, 3287]	4699	[6720, 6721]	7484	[6587, 585]	10269	[869, 5654]
1915	[3288, 3289]	4700	[6722, 6723]	7485	[4984, 2463]	10270	[823, 9463]
1916	[3290, 3291]	4701	[2892, 6724]	7486	[9270, 6648]	10271	[10807, 5367]
1917	[3292, 3293]	4702	[6394, 6725]	7487	[8835, 6310]	10272	[892, 9889]
1918	[3294, 1307]	4703	[5355, 6726]	7488	[2545, 4978]	10273	[9690, 2211]
1919	[3295, 1065]	4704	[6727, 6728]	7489	[8879, 2074]	10274	[10808, 9515]
1920	[3296, 325]	4705	[6729, 5973]	7490	[9271, 6732]	10275	[10809, 2305]
1921	[1124, 3297]	4706	[4889, 6540]	7491	[5678, 813]	10276	[9345, 5584]
1922	[3298, 3299]	4707	[6730, 5354]	7492	[9272, 2629]	10277	[10810, 9069]

1923	[3300, 3301]	4708	[2633, 6731]	7493	[9273, 5764]	10278	[2290, 2258]
1924	[3302, 3303]	4709	[6732, 2141]	7494	[9274, 646]	10279	[10811, 2981]
1925	[3304, 3305]	4710	[6733, 2276]	7495	[9275, 5881]	10280	[10812, 9841]
1926	[3306, 3307]	4711	[6734, 2764]	7496	[4873, 2809]	10281	[5024, 5727]
1927	[3308, 3309]	4712	[2105, 2977]	7497	[2533, 5569]	10282	[6613, 5168]
1928	[300, 3310]	4713	[6735, 6736]	7498	[5530, 2229]	10283	[10813, 892]
1929	[3104, 3311]	4714	[5248, 5136]	7499	[9276, 9277]	10284	[9345, 2573]
1930	[3312, 84]	4715	[5102, 6377]	7500	[644, 9278]	10285	[10814, 151]
1931	[3313, 3314]	4716	[6737, 5085]	7501	[9279, 2146]	10286	[9232, 9376]
1932	[3315, 3316]	4717	[6738, 2057]	7502	[9280, 9281]	10287	[5076, 8759]
1933	[3317, 340]	4718	[6105, 6055]	7503	[6046, 5954]	10288	[10815, 2678]
1934	[3318, 3319]	4719	[6739, 5423]	7504	[9282, 725]	10289	[9908, 10816]
1935	[3320, 994]	4720	[6740, 2325]	7505	[5279, 2729]	10290	[5961, 6413]
1936	[284, 3321]	4721	[6741, 6742]	7506	[5554, 9283]	10291	[5411, 6530]
1937	[3322, 3323]	4722	[6743, 5468]	7507	[5722, 9284]	10292	[8975, 9019]
1938	[3324, 1293]	4723	[5238, 6744]	7508	[9285, 700]	10293	[8895, 1849]
1939	[3325, 3326]	4724	[6745, 6746]	7509	[9286, 2954]	10294	[5314, 6412]
1940	[3327, 3328]	4725	[6747, 6493]	7510	[5757, 1962]	10295	[10817, 5980]
1941	[3329, 485]	4726	[6748, 902]	7511	[6408, 5823]	10296	[2744, 6168]
1942	[3330, 3331]	4727	[2440, 856]	7512	[9287, 9288]	10297	[9462, 9990]
1943	[3332, 3333]	4728	[1777, 6140]	7513	[9289, 6389]	10298	[10818, 5799]
1944	[956, 3334]	4729	[6749, 5052]	7514	[9290, 6075]	10299	[10819, 5761]
1945	[3335, 3336]	4730	[6750, 6174]	7515	[9291, 1956]	10300	[9924, 2566]
1946	[3337, 3338]	4731	[5520, 2960]	7516	[4977, 2546]	10301	[2600, 10820]
1947	[3339, 1550]	4732	[6751, 5062]	7517	[5835, 6146]	10302	[10821, 8]
1948	[3340, 3341]	4733	[6752, 5061]	7518	[9292, 6322]	10303	[6361, 8808]
1949	[3342, 3343]	4734	[153, 2929]	7519	[4965, 6370]	10304	[10822, 8986]
1950	[3344, 3345]	4735	[6753, 679]	7520	[9293, 930]	10305	[10823, 2004]
1951	[3085, 3346]	4736	[598, 5191]	7521	[2290, 246]	10306	[10824, 9934]
1952	[3087, 414]	4737	[5862, 2361]	7522	[5533, 577]	10307	[10825, 5009]
1953	[3347, 3348]	4738	[6754, 231]	7523	[4907, 9294]	10308	[9687, 5612]
1954	[3349, 3350]	4739	[6755, 6320]	7524	[5528, 6174]	10309	[8931, 9298]
1955	[3351, 3352]	4740	[2145, 5924]	7525	[5460, 2914]	10310	[9270, 2370]
1956	[3353, 3354]	4741	[6756, 1791]	7526	[2462, 9295]	10311	[10826, 9741]
1957	[3355, 1242]	4742	[6609, 5222]	7527	[9296, 6017]	10312	[9111, 8973]
1958	[1177, 948]	4743	[886, 6209]	7528	[5700, 9297]	10313	[10827, 9977]
1959	[3356, 3357]	4744	[6757, 6758]	7529	[3026, 9298]	10314	[10828, 2598]
1960	[3358, 3359]	4745	[5849, 6759]	7530	[9299, 2746]	10315	[6493, 10829]
1961	[3360, 3361]	4746	[6760, 6553]	7531	[9300, 9301]	10316	[5934, 10760]
1962	[3362, 3363]	4747	[6761, 2998]	7532	[9302, 6828]	10317	[10830, 6080]
1963	[3364, 1554]	4748	[6762, 2999]	7533	[9303, 5995]	10318	[9983, 10831]
1964	[3365, 1463]	4749	[6763, 6764]	7534	[6472, 1922]	10319	[9517, 10036]
1965	[3366, 1467]	4750	[1918, 6765]	7535	[9304, 2296]	10320	[10832, 6667]
1966	[3367, 3368]	4751	[2889, 6766]	7536	[1815, 2247]	10321	[10833, 626]

1967	[3369, 3370]	4752	[6767, 2015]	7537	[9305, 2110]	10322	[207, 9634]
1968	[3371, 3042]	4753	[6768, 6769]	7538	[9000, 8941]	10323	[9660, 9476]
1969	[3372, 3373]	4754	[6770, 6771]	7539	[6203, 8902]	10324	[10834, 9927]
1970	[3374, 260]	4755	[5671, 5893]	7540	[9306, 2229]	10325	[10835, 937]
1971	[3375, 3376]	4756	[6772, 5336]	7541	[883, 4957]	10326	[9881, 5864]
1972	[1635, 1021]	4757	[5212, 2689]	7542	[253, 51]	10327	[10836, 10837]
1973	[3377, 3378]	4758	[6433, 6773]	7543	[9307, 618]	10328	[10838, 8795]
1974	[341, 3379]	4759	[6774, 2466]	7544	[9308, 2935]	10329	[2714, 9311]
1975	[3380, 3381]	4760	[6775, 6682]	7545	[6752, 133]	10330	[6352, 2253]
1976	[962, 3382]	4761	[5441, 6776]	7546	[5094, 8892]	10331	[10839, 10840]
1977	[1459, 995]	4762	[6522, 6777]	7547	[9309, 9054]	10332	[5080, 9557]
1978	[3383, 1630]	4763	[5192, 2620]	7548	[9310, 6618]	10333	[762, 6262]
1979	[3384, 3385]	4764	[6778, 2983]	7549	[5859, 9311]	10334	[10841, 9022]
1980	[3386, 3387]	4765	[6779, 6780]	7550	[9312, 2168]	10335	[10842, 5694]
1981	[3388, 1707]	4766	[1908, 2986]	7551	[9313, 9314]	10336	[1950, 6747]
1982	[3124, 3389]	4767	[2790, 946]	7552	[9315, 5036]	10337	[9974, 5789]
1983	[3390, 3391]	4768	[6781, 6782]	7553	[5417, 2555]	10338	[10843, 6080]
1984	[3392, 3393]	4769	[2170, 830]	7554	[9316, 606]	10339	[9733, 9630]
1985	[3394, 3395]	4770	[5232, 6783]	7555	[9317, 6285]	10340	[5950, 2437]
1986	[3396, 3397]	4771	[6784, 2364]	7556	[9105, 2340]	10341	[6456, 5483]
1987	[3398, 3399]	4772	[6785, 6786]	7557	[9318, 9319]	10342	[8992, 2279]
1988	[3400, 3401]	4773	[6787, 934]	7558	[9320, 9321]	10343	[9807, 6157]
1989	[3402, 3403]	4774	[6788, 2386]	7559	[5331, 5765]	10344	[9847, 10831]
1990	[3404, 3405]	4775	[2349, 4930]	7560	[5178, 2794]	10345	[10844, 5987]
1991	[3406, 3407]	4776	[550, 47]	7561	[9322, 6426]	10346	[6008, 5512]
1992	[3408, 3409]	4777	[6789, 6296]	7562	[625, 5831]	10347	[9249, 2453]
1993	[1409, 3410]	4778	[6790, 6791]	7563	[9323, 6173]	10348	[6317, 5848]
1994	[3411, 1386]	4779	[6792, 6793]	7564	[2803, 8825]	10349	[10845, 9943]
1995	[3412, 1413]	4780	[5188, 6794]	7565	[9300, 9104]	10350	[5701, 232]
1996	[3357, 3413]	4781	[903, 5796]	7566	[9324, 4991]	10351	[10846, 9416]
1997	[3414, 3282]	4782	[5292, 675]	7567	[9325, 4993]	10352	[593, 10040]
1998	[3415, 3300]	4783	[6075, 61]	7568	[9113, 9326]	10353	[10847, 9237]
1999	[3416, 3417]	4784	[5179, 5021]	7569	[9327, 6014]	10354	[5802, 9353]
2000	[3418, 3419]	4785	[6795, 6796]	7570	[6314, 2548]	10355	[10848, 767]
2001	[3420, 3421]	4786	[6797, 834]	7571	[9253, 9328]	10356	[10849, 10799]
2002	[3422, 3423]	4787	[6798, 233]	7572	[1925, 6169]	10357	[10850, 9997]
2003	[3424, 3425]	4788	[6799, 5132]	7573	[9329, 9330]	10358	[9565, 2200]
2004	[3426, 3427]	4789	[6800, 6637]	7574	[9331, 2195]	10359	[10851, 2998]
2005	[3428, 3429]	4790	[6801, 6802]	7575	[156, 2292]	10360	[149, 2233]
2006	[3125, 3430]	4791	[6803, 6804]	7576	[9332, 6383]	10361	[10852, 5460]
2007	[3431, 3432]	4792	[6805, 6806]	7577	[5428, 5686]	10362	[9905, 2516]
2008	[3433, 3102]	4793	[6185, 6807]	7578	[9333, 9334]	10363	[5829, 531]
2009	[3434, 3435]	4794	[4934, 657]	7579	[5152, 4932]	10364	[829, 1907]
2010	[3436, 1579]	4795	[6808, 2025]	7580	[6305, 5062]	10365	[2450, 819]

2011	[19, 3437]	4796	[231, 5702]	7581	[9335, 2569]	10366	[9161, 5873]
2012	[3438, 3439]	4797	[6809, 6810]	7582	[9336, 8872]	10367	[2036, 8981]
2013	[3440, 3441]	4798	[5165, 4870]	7583	[5070, 2584]	10368	[6206, 6695]
2014	[3442, 3223]	4799	[5045, 6655]	7584	[9337, 5810]	10369	[10853, 6857]
2015	[3443, 3444]	4800	[6811, 6405]	7585	[9338, 511]	10370	[10021, 9671]
2016	[3445, 3446]	4801	[5579, 6812]	7586	[9339, 9340]	10371	[10854, 10855]
2017	[3447, 265]	4802	[6813, 2347]	7587	[9341, 8857]	10372	[10856, 4928]
2018	[3421, 3448]	4803	[6056, 6814]	7588	[579, 9342]	10373	[10857, 8978]
2019	[1182, 3449]	4804	[687, 5849]	7589	[9343, 5241]	10374	[10858, 10829]
2020	[3450, 3451]	4805	[879, 2855]	7590	[9344, 5480]	10375	[10859, 5501]
2021	[3452, 3453]	4806	[6579, 5855]	7591	[9289, 9345]	10376	[9814, 2120]
2022	[3454, 3455]	4807	[641, 2350]	7592	[8771, 5572]	10377	[10860, 10047]
2023	[3456, 3457]	4808	[6815, 6459]	7593	[648, 5257]	10378	[9793, 5601]
2024	[3458, 3459]	4809	[5589, 1879]	7594	[9346, 8921]	10379	[206, 2672]
2025	[3460, 3461]	4810	[6816, 6595]	7595	[9347, 9348]	10380	[9887, 5213]
2026	[3462, 3463]	4811	[6817, 2494]	7596	[927, 3028]	10381	[858, 863]
2027	[3464, 3465]	4812	[6818, 4915]	7597	[9329, 9349]	10382	[5272, 5806]
2028	[3466, 1582]	4813	[3000, 1844]	7598	[9274, 2299]	10383	[9282, 2149]
2029	[3467, 3468]	4814	[2484, 6570]	7599	[9350, 5593]	10384	[633, 9369]
2030	[3469, 3470]	4815	[6819, 5049]	7600	[9351, 165]	10385	[2749, 5486]
2031	[3471, 3261]	4816	[6820, 5743]	7601	[9352, 2686]	10386	[10861, 9240]
2032	[260, 3472]	4817	[6821, 2319]	7602	[5923, 9353]	10387	[10862, 6115]
2033	[3473, 3474]	4818	[6822, 1996]	7603	[5978, 2455]	10388	[10863, 5348]
2034	[3475, 3476]	4819	[1866, 1944]	7604	[9354, 9355]	10389	[2949, 642]
2035	[3477, 3478]	4820	[6227, 6656]	7605	[5974, 6208]	10390	[2253, 6047]
2036	[3266, 3479]	4821	[6823, 5620]	7606	[9356, 9357]	10391	[5505, 9421]
2037	[3480, 296]	4822	[6824, 5622]	7607	[9358, 9359]	10392	[10864, 10865]
2038	[3481, 3482]	4823	[6825, 2344]	7608	[9360, 9361]	10393	[10866, 10837]
2039	[3483, 3484]	4824	[2992, 6456]	7609	[9362, 8920]	10394	[10867, 6285]
2040	[3485, 3486]	4825	[526, 2332]	7610	[6226, 6563]	10395	[9739, 9340]
2041	[3487, 3488]	4826	[6826, 3013]	7611	[5023, 5169]	10396	[10868, 2382]
2042	[3489, 3171]	4827	[6827, 6593]	7612	[9363, 9364]	10397	[9396, 5207]
2043	[3490, 3491]	4828	[5096, 6709]	7613	[246, 2259]	10398	[10869, 2845]
2044	[3492, 1033]	4829	[6828, 2616]	7614	[9365, 723]	10399	[5848, 9456]
2045	[3493, 3494]	4830	[6829, 6830]	7615	[2618, 4949]	10400	[10870, 9570]
2046	[3495, 3496]	4831	[1767, 3033]	7616	[9366, 6782]	10401	[2584, 4883]
2047	[3497, 3498]	4832	[5151, 6021]	7617	[9367, 9082]	10402	[10871, 9678]
2048	[3499, 1147]	4833	[6831, 2097]	7618	[2803, 9368]	10403	[6840, 8899]
2049	[3500, 3501]	4834	[6832, 6216]	7619	[9145, 9369]	10404	[9390, 9963]
2050	[3502, 3503]	4835	[6833, 6118]	7620	[9370, 5004]	10405	[9962, 9391]
2051	[1152, 3504]	4836	[5423, 2824]	7621	[9371, 6644]	10406	[10872, 5752]
2052	[3505, 3506]	4837	[6834, 6835]	7622	[4960, 9230]	10407	[10873, 6391]
2053	[3507, 3508]	4838	[4873, 5801]	7623	[2297, 6638]	10408	[10874, 5923]
2054	[3509, 3179]	4839	[6836, 5096]	7624	[9372, 1946]	10409	[8833, 1864]

2055	[3510, 3511]	4840	[717, 6476]	7625	[2507, 9373]	10410	[10875, 5576]
2056	[3512, 3513]	4841	[6837, 6838]	7626	[6357, 9374]	10411	[4953, 9253]
2057	[3147, 3514]	4842	[6839, 6840]	7627	[6852, 6434]	10412	[2562, 2279]
2058	[3463, 3515]	4843	[6841, 1999]	7628	[9375, 5631]	10413	[10876, 9223]
2059	[3516, 3517]	4844	[6433, 5553]	7629	[5844, 8904]	10414	[1948, 824]
2060	[3518, 3519]	4845	[6842, 6119]	7630	[636, 9376]	10415	[10877, 10010]
2061	[1655, 3520]	4846	[5826, 5887]	7631	[9377, 715]	10416	[10878, 5520]
2062	[3521, 3522]	4847	[6843, 1947]	7632	[9378, 5686]	10417	[10766, 8825]
2063	[3523, 1189]	4848	[6844, 1808]	7633	[9379, 6367]	10418	[10879, 5039]
2064	[3524, 3525]	4849	[1821, 210]	7634	[8958, 9380]	10419	[10771, 2733]
2065	[3526, 3527]	4850	[554, 59]	7635	[2247, 6520]	10420	[9676, 9116]
2066	[3528, 1067]	4851	[6845, 6846]	7636	[2428, 5853]	10421	[10880, 6178]
2067	[3529, 3530]	4852	[6847, 2946]	7637	[9089, 2124]	10422	[10881, 10020]
2068	[3531, 3532]	4853	[6848, 5088]	7638	[5455, 2218]	10423	[9980, 9002]
2069	[3533, 3534]	4854	[6849, 2772]	7639	[6399, 5127]	10424	[6471, 8879]
2070	[3535, 3536]	4855	[6850, 1988]	7640	[9264, 5573]	10425	[10882, 2207]
2071	[3537, 3538]	4856	[6851, 6560]	7641	[2764, 2337]	10426	[902, 2008]
2072	[3539, 3540]	4857	[5807, 6852]	7642	[6137, 581]	10427	[10883, 9224]
2073	[3541, 3542]	4858	[6853, 32]	7643	[9381, 2255]	10428	[5697, 2449]
2074	[3543, 3544]	4859	[6307, 2759]	7644	[871, 9382]	10429	[2957, 5885]
2075	[3545, 1037]	4860	[6854, 580]	7645	[9383, 2944]	10430	[9954, 672]
2076	[3546, 3547]	4861	[6855, 3000]	7646	[5620, 1804]	10431	[9488, 9159]
2077	[3548, 3549]	4862	[2815, 5494]	7647	[9384, 8874]	10432	[10884, 5382]
2078	[3319, 3550]	4863	[6856, 6857]	7648	[9385, 6710]	10433	[5988, 781]
2079	[3551, 3552]	4864	[6858, 6859]	7649	[6018, 9063]	10434	[10885, 9599]
2080	[3553, 3554]	4865	[5305, 6860]	7650	[9386, 2676]	10435	[1951, 5311]
2081	[3555, 1143]	4866	[2184, 6861]	7651	[9387, 4915]	10436	[10886, 9406]
2082	[3556, 3557]	4867	[2109, 5652]	7652	[9388, 779]	10437	[2167, 9667]
2083	[3558, 3402]	4868	[6862, 27]	7653	[9389, 2611]	10438	[8875, 9666]
2084	[3559, 3560]	4869	[6863, 29]	7654	[9390, 9391]	10439	[10887, 6184]
2085	[3561, 3562]	4870	[6864, 25]	7655	[9320, 9392]	10440	[10888, 3022]
2086	[1324, 3563]	4871	[3595, 6865]	7656	[6652, 9393]	10441	[2706, 9902]
2087	[1332, 3564]	4872	[6866, 4798]	7657	[9394, 5623]	10442	[10889, 6752]
2088	[3565, 3525]	4873	[6867, 1023]	7658	[9395, 5134]	10443	[10849, 5142]
2089	[3566, 3567]	4874	[6868, 4240]	7659	[9396, 2753]	10444	[10858, 6494]
2090	[3568, 3569]	4875	[6869, 3481]	7660	[6815, 2701]	10445	[6554, 9898]
2091	[3496, 3570]	4876	[4209, 6870]	7661	[9397, 525]	10446	[10890, 5759]
2092	[3571, 3572]	4877	[6871, 4637]	7662	[5627, 1920]	10447	[1832, 923]
2093	[3573, 3574]	4878	[6872, 6873]	7663	[9398, 6704]	10448	[9674, 6464]
2094	[3575, 1397]	4879	[6874, 86]	7664	[6128, 2153]	10449	[10891, 9553]
2095	[3576, 3577]	4880	[1480, 6875]	7665	[6249, 9399]	10450	[9869, 2081]
2096	[3578, 1421]	4881	[6876, 4291]	7666	[9400, 9344]	10451	[9972, 5234]
2097	[3579, 3580]	4882	[6877, 6878]	7667	[9401, 9402]	10452	[607, 3016]
2098	[3581, 3582]	4883	[6879, 4819]	7668	[519, 3008]	10453	[9413, 10892]

2099	[3180, 3583]	4884	[6880, 6881]	7669	[8790, 5411]	10454	[727, 638]
2100	[1492, 3584]	4885	[6882, 6883]	7670	[2721, 2948]	10455	[10893, 249]
2101	[1494, 3585]	4886	[6884, 6885]	7671	[6381, 158]	10456	[9389, 10894]
2102	[3586, 3587]	4887	[6875, 6886]	7672	[680, 5393]	10457	[6801, 9932]
2103	[3445, 3588]	4888	[6887, 6888]	7673	[9403, 4901]	10458	[5975, 9294]
2104	[3589, 3590]	4889	[6889, 3885]	7674	[9404, 1787]	10459	[558, 1900]
2105	[3591, 3592]	4890	[4687, 1003]	7675	[6328, 5713]	10460	[8896, 8866]
2106	[3593, 3594]	4891	[1081, 3509]	7676	[9405, 8754]	10461	[10795, 6480]
2107	[382, 3595]	4892	[1629, 1177]	7677	[9334, 5909]	10462	[9603, 2140]
2108	[105, 3596]	4893	[6890, 6891]	7678	[8913, 6579]	10463	[566, 5836]
2109	[3597, 3221]	4894	[6892, 4420]	7679	[9406, 2204]	10464	[9075, 5851]
2110	[3598, 1641]	4895	[6893, 3602]	7680	[9407, 5903]	10465	[9069, 1856]
2111	[3599, 3600]	4896	[6894, 1217]	7681	[5308, 1938]	10466	[5841, 8776]
2112	[3601, 3602]	4897	[6895, 6896]	7682	[2506, 2075]	10467	[6467, 5738]
2113	[3603, 3604]	4898	[6897, 6898]	7683	[2968, 5127]	10468	[5748, 5452]
2114	[3605, 3606]	4899	[488, 6899]	7684	[9408, 6793]	10469	[10895, 5281]
2115	[3607, 3608]	4900	[6900, 3290]	7685	[4926, 5408]	10470	[10896, 238]
2116	[3609, 3610]	4901	[6901, 4310]	7686	[9075, 5762]	10471	[10739, 6556]
2117	[3611, 3612]	4902	[4170, 6902]	7687	[9409, 594]	10472	[10897, 6634]
2118	[3613, 3140]	4903	[6903, 6904]	7688	[9410, 5567]	10473	[519, 9157]
2119	[3614, 3059]	4904	[6905, 4200]	7689	[8931, 3027]	10474	[9454, 5345]
2120	[3615, 1124]	4905	[6906, 4632]	7690	[2221, 6717]	10475	[9740, 10898]
2121	[3616, 3617]	4906	[6907, 6908]	7691	[9411, 5170]	10476	[10899, 5205]
2122	[3618, 1339]	4907	[6909, 1107]	7692	[5907, 5534]	10477	[8812, 10900]
2123	[3619, 3620]	4908	[6910, 6911]	7693	[9412, 2723]	10478	[5255, 2200]
2124	[3550, 1097]	4909	[1623, 4096]	7694	[9413, 5548]	10479	[10822, 9419]
2125	[3165, 3621]	4910	[3312, 6912]	7695	[9414, 6068]	10480	[2713, 9995]
2126	[3622, 3623]	4911	[6913, 3614]	7696	[2336, 2765]	10481	[6125, 6464]
2127	[1517, 3624]	4912	[6914, 1290]	7697	[9055, 9415]	10482	[2610, 10894]
2128	[3625, 3626]	4913	[6915, 6905]	7698	[9014, 9416]	10483	[10901, 6499]
2129	[3627, 3628]	4914	[6916, 6917]	7699	[2096, 9210]	10484	[10902, 5606]
2130	[1488, 3629]	4915	[3959, 379]	7700	[1791, 6636]	10485	[10903, 10904]
2131	[3630, 3631]	4916	[6918, 358]	7701	[1796, 9071]	10486	[5093, 6092]
2132	[3632, 3633]	4917	[3066, 6919]	7702	[9149, 2303]	10487	[10905, 1948]
2133	[3634, 3635]	4918	[6920, 6921]	7703	[6444, 6812]	10488	[10906, 6173]
2134	[3636, 3637]	4919	[6922, 4271]	7704	[5232, 5385]	10489	[8981, 9613]
2135	[3638, 424]	4920	[6923, 4223]	7705	[9417, 2387]	10490	[10907, 6290]
2136	[3153, 3639]	4921	[6924, 6925]	7706	[2830, 809]	10491	[700, 9518]
2137	[3640, 3641]	4922	[6926, 6927]	7707	[9164, 2205]	10492	[10908, 10909]
2138	[3642, 3643]	4923	[6928, 3975]	7708	[5953, 9418]	10493	[5001, 1941]
2139	[3644, 3645]	4924	[6929, 6930]	7709	[8985, 9419]	10494	[10910, 6474]
2140	[3646, 1206]	4925	[6931, 6932]	7710	[6066, 8900]	10495	[2784, 4885]
2141	[3647, 3648]	4926	[6933, 6917]	7711	[9420, 6524]	10496	[9936, 9254]
2142	[3649, 3650]	4927	[4253, 3064]	7712	[8932, 9421]	10497	[5155, 9233]

2143	[3651, 3652]	4928	[6934, 6935]	7713	[6671, 6518]	10498	[9106, 1953]
2144	[3653, 3654]	4929	[6936, 6937]	7714	[9067, 5925]	10499	[6588, 2095]
2145	[3655, 977]	4930	[3969, 1688]	7715	[9422, 5904]	10500	[8988, 1775]
2146	[3348, 3656]	4931	[6938, 6939]	7716	[9423, 6859]	10501	[8906, 6111]
2147	[1087, 1033]	4932	[3054, 1100]	7717	[9424, 5079]	10502	[5529, 9052]
2148	[3657, 3658]	4933	[4725, 6940]	7718	[5879, 6383]	10503	[10911, 151]
2149	[3659, 3660]	4934	[6941, 3285]	7719	[8909, 9425]	10504	[10912, 6410]
2150	[3661, 3662]	4935	[3109, 1154]	7720	[6334, 2902]	10505	[2627, 6325]
2151	[3663, 3664]	4936	[6942, 6943]	7721	[9426, 6298]	10506	[8880, 9908]
2152	[3665, 3666]	4937	[6944, 4356]	7722	[9427, 5616]	10507	[8881, 10816]
2153	[3667, 3668]	4938	[6945, 1319]	7723	[6727, 1906]	10508	[10913, 6620]
2154	[3669, 3670]	4939	[6946, 6947]	7724	[9428, 9429]	10509	[10914, 6646]
2155	[3671, 3672]	4940	[6948, 305]	7725	[9430, 885]	10510	[10915, 5736]
2156	[3673, 3674]	4941	[6949, 30]	7726	[9169, 9431]	10511	[9243, 5015]
2157	[3675, 3676]	4942	[6950, 6951]	7727	[9432, 2362]	10512	[9123, 4877]
2158	[3677, 1159]	4943	[3531, 6952]	7728	[9433, 938]	10513	[10874, 5802]
2159	[3678, 3679]	4944	[6953, 6954]	7729	[9434, 9435]	10514	[10916, 5633]
2160	[3680, 3681]	4945	[6955, 6956]	7730	[6333, 8814]	10515	[9856, 6725]
2161	[3682, 3303]	4946	[1274, 6957]	7731	[9436, 8898]	10516	[5526, 135]
2162	[3683, 3684]	4947	[6958, 3264]	7732	[2717, 6736]	10517	[6855, 6820]
2163	[1542, 3685]	4948	[6959, 4191]	7733	[9437, 6807]	10518	[10741, 9083]
2164	[3686, 3687]	4949	[4416, 3241]	7734	[1819, 6729]	10519	[10917, 5331]
2165	[3688, 3689]	4950	[1330, 6960]	7735	[9438, 2170]	10520	[9494, 2873]
2166	[3690, 3691]	4951	[6961, 999]	7736	[5457, 9439]	10521	[10918, 9757]
2167	[3692, 346]	4952	[6962, 289]	7737	[2399, 9440]	10522	[5856, 9615]
2168	[3693, 3694]	4953	[3315, 1349]	7738	[5210, 5579]	10523	[10919, 9916]
2169	[3695, 3696]	4954	[6963, 457]	7739	[9441, 2271]	10524	[10920, 10904]
2170	[3697, 3698]	4955	[6964, 3158]	7740	[9168, 9442]	10525	[10895, 5435]
2171	[1497, 3434]	4956	[6965, 6960]	7741	[9443, 2727]	10526	[9897, 6555]
2172	[3699, 3700]	4957	[1647, 6966]	7742	[9444, 1803]	10527	[3013, 5162]
2173	[3701, 3702]	4958	[18, 6967]	7743	[9445, 189]	10528	[9855, 6852]
2174	[3703, 3704]	4959	[6968, 6969]	7744	[9446, 9447]	10529	[10921, 10840]
2175	[3705, 1366]	4960	[6970, 1342]	7745	[9448, 5704]	10530	[9305, 5322]
2176	[3706, 3707]	4961	[6971, 6972]	7746	[9449, 1880]	10531	[10848, 5060]
2177	[3708, 3709]	4962	[6973, 6974]	7747	[9450, 5105]	10532	[10922, 6527]
2178	[3710, 3711]	4963	[3334, 490]	7748	[6234, 6497]	10533	[10923, 9674]
2179	[3712, 3713]	4964	[6975, 6976]	7749	[9451, 9193]	10534	[9347, 9008]
2180	[3714, 3187]	4965	[394, 4423]	7750	[174, 864]	10535	[2799, 1799]
2181	[3715, 3478]	4966	[4522, 3966]	7751	[9452, 5099]	10536	[2484, 1901]
2182	[3716, 3717]	4967	[6977, 3243]	7752	[9453, 9382]	10537	[10924, 9994]
2183	[3476, 3718]	4968	[88, 6978]	7753	[2400, 897]	10538	[2801, 5788]
2184	[3719, 3181]	4969	[260, 6979]	7754	[843, 8941]	10539	[5547, 10892]
2185	[3720, 3721]	4970	[6980, 6981]	7755	[9370, 9167]	10540	[8937, 5538]
2186	[3722, 1262]	4971	[6982, 6983]	7756	[2045, 775]	10541	[2865, 10753]

2187	[3723, 3724]	4972	[4547, 6984]	7757	[9454, 8801]	10542	[9126, 9732]
2188	[3725, 3112]	4973	[1487, 6985]	7758	[2425, 9455]	10543	[10925, 9121]
2189	[3726, 3727]	4974	[6986, 1246]	7759	[2367, 9456]	10544	[2751, 9591]
2190	[3728, 3729]	4975	[4092, 6987]	7760	[9457, 8849]	10545	[2551, 6624]
2191	[3323, 3730]	4976	[6988, 3585]	7761	[9458, 6032]	10546	[10926, 6516]
2192	[3731, 3732]	4977	[6988, 4261]	7762	[9459, 5272]	10547	[8800, 2975]
2193	[3733, 3734]	4978	[6989, 4817]	7763	[9460, 2557]	10548	[2113, 554]
2194	[3735, 3736]	4979	[4843, 6990]	7764	[8938, 5220]	10549	[10927, 5272]
2195	[1554, 3737]	4980	[6991, 6992]	7765	[9461, 6698]	10550	[6297, 6654]
2196	[3738, 3739]	4981	[6993, 6994]	7766	[9462, 2103]	10551	[1781, 767]
2197	[3740, 3741]	4982	[3056, 6995]	7767	[1948, 9463]	10552	[10928, 589]
2198	[3742, 3743]	4983	[1435, 6996]	7768	[6436, 6729]	10553	[598, 9766]
2199	[3744, 1373]	4984	[6997, 6998]	7769	[5794, 6098]	10554	[10929, 524]
2200	[3211, 1591]	4985	[6999, 3880]	7770	[6185, 9464]	10555	[10930, 6251]
2201	[3745, 3746]	4986	[7000, 7001]	7771	[6816, 2904]	10556	[10931, 6007]
2202	[3747, 390]	4987	[3521, 77]	7772	[9465, 9402]	10557	[10932, 9796]
2203	[3748, 3749]	4988	[7002, 987]	7773	[9466, 9097]	10558	[10933, 10934]
2204	[3750, 3751]	4989	[474, 3040]	7774	[2456, 2409]	10559	[8929, 6229]
2205	[3752, 3753]	4990	[7003, 3360]	7775	[2314, 2484]	10560	[2846, 6686]
2206	[3754, 3452]	4991	[7004, 1186]	7776	[848, 5232]	10561	[9036, 6814]
2207	[3755, 3756]	4992	[4198, 1188]	7777	[2864, 9467]	10562	[10935, 5691]
2208	[3757, 3758]	4993	[7005, 3144]	7778	[5674, 9468]	10563	[6180, 2035]
2209	[1013, 3759]	4994	[3656, 7006]	7779	[1949, 2916]	10564	[9589, 10936]
2210	[3760, 3761]	4995	[1147, 7007]	7780	[5623, 9099]	10565	[10937, 2778]
2211	[3762, 3763]	4996	[7008, 4462]	7781	[9469, 5488]	10566	[6611, 8798]
2212	[3764, 3765]	4997	[7009, 3247]	7782	[2159, 5783]	10567	[10938, 9263]
2213	[3766, 3767]	4998	[1552, 7010]	7783	[9470, 5338]	10568	[10939, 9357]
2214	[3768, 478]	4999	[1355, 4731]	7784	[6425, 9471]	10569	[10940, 5433]
2215	[3769, 3770]	5000	[7011, 3201]	7785	[9472, 2122]	10570	[10941, 6599]
2216	[3771, 3772]	5001	[4476, 3880]	7786	[1835, 2124]	10571	[2698, 245]
2217	[3773, 3774]	5002	[4811, 7012]	7787	[9360, 9326]	10572	[5430, 5231]
2218	[3775, 3776]	5003	[7013, 7014]	7788	[5055, 9473]	10573	[5542, 6480]
2219	[3777, 3778]	5004	[7015, 6922]	7789	[9474, 5371]	10574	[10942, 6662]
2220	[3779, 3780]	5005	[7016, 7017]	7790	[9475, 9476]	10575	[9884, 9819]
2221	[3781, 1346]	5006	[7018, 7019]	7791	[9477, 8988]	10576	[840, 9704]
2222	[3782, 3783]	5007	[7020, 7021]	7792	[8903, 9478]	10577	[880, 9102]
2223	[3784, 3785]	5008	[4282, 7022]	7793	[9479, 2131]	10578	[9679, 2141]
2224	[3786, 3787]	5009	[1672, 4187]	7794	[9480, 8757]	10579	[9780, 9455]
2225	[3788, 956]	5010	[7023, 7024]	7795	[9481, 2154]	10580	[5263, 9771]
2226	[3789, 3790]	5011	[4418, 7025]	7796	[2048, 603]	10581	[5461, 6738]
2227	[3791, 3792]	5012	[1649, 7026]	7797	[6121, 6418]	10582	[10943, 5976]
2228	[412, 391]	5013	[7027, 7028]	7798	[8957, 6493]	10583	[10944, 6255]
2229	[3793, 991]	5014	[7029, 7030]	7799	[9482, 6255]	10584	[2057, 2966]
2230	[3794, 3795]	5015	[7031, 1642]	7800	[9483, 9431]	10585	[6108, 6447]

2231	[3796, 3797]	5016	[7032, 6964]	7801	[9484, 1876]	10586	[6441, 9203]
2232	[3798, 3070]	5017	[7033, 3666]	7802	[9380, 9485]	10587	[9466, 2470]
2233	[3799, 3582]	5018	[81, 3995]	7803	[9486, 9487]	10588	[10824, 2767]
2234	[3800, 1610]	5019	[7034, 1464]	7804	[5951, 784]	10589	[9292, 8872]
2235	[3790, 1614]	5020	[7035, 7036]	7805	[6400, 6600]	10590	[6054, 6106]
2236	[3801, 3743]	5021	[3352, 4725]	7806	[9488, 9489]	10591	[5434, 2301]
2237	[1633, 3802]	5022	[7037, 7038]	7807	[9490, 626]	10592	[10945, 2327]
2238	[3803, 3804]	5023	[7039, 3814]	7808	[6697, 9491]	10593	[5444, 5873]
2239	[3776, 3805]	5024	[7040, 3843]	7809	[9492, 5620]	10594	[8980, 9037]
2240	[3778, 3806]	5025	[4791, 4687]	7810	[9493, 6150]	10595	[4984, 9295]
2241	[3807, 3808]	5026	[7041, 1068]	7811	[6483, 9078]	10596	[2595, 6789]
2242	[3809, 3810]	5027	[7042, 7043]	7812	[9494, 5775]	10597	[5544, 5883]
2243	[3811, 3812]	5028	[968, 7044]	7813	[5149, 5050]	10598	[9228, 9532]
2244	[3813, 3814]	5029	[3242, 7045]	7814	[788, 9495]	10599	[9162, 2026]
2245	[3815, 3816]	5030	[7046, 367]	7815	[6772, 9496]	10600	[10946, 8810]
2246	[3817, 3216]	5031	[7047, 371]	7816	[9497, 9498]	10601	[10947, 4884]
2247	[430, 3549]	5032	[7048, 7049]	7817	[2546, 5476]	10602	[6089, 10948]
2248	[3078, 3818]	5033	[7050, 1612]	7818	[9499, 2656]	10603	[10051, 5329]
2249	[3819, 3167]	5034	[7051, 7052]	7819	[3010, 5579]	10604	[2913, 2263]
2250	[3820, 3821]	5035	[413, 465]	7820	[9500, 2770]	10605	[9615, 2152]
2251	[3822, 3823]	5036	[7053, 7054]	7821	[9501, 5797]	10606	[9026, 6355]
2252	[3824, 1055]	5037	[7055, 76]	7822	[9502, 9073]	10607	[10949, 128]
2253	[3825, 3826]	5038	[1585, 7056]	7823	[5400, 5065]	10608	[2760, 8820]
2254	[3827, 3828]	5039	[7057, 348]	7824	[9503, 9504]	10609	[2132, 9114]
2255	[3829, 3830]	5040	[7058, 3887]	7825	[9505, 6131]	10610	[10819, 1910]
2256	[3831, 3456]	5041	[7059, 3946]	7826	[9506, 2953]	10611	[1963, 9331]
2257	[3832, 3833]	5042	[7060, 3662]	7827	[9507, 610]	10612	[10950, 9939]
2258	[3834, 3835]	5043	[7061, 7062]	7828	[9508, 5776]	10613	[9821, 9736]
2259	[484, 3836]	5044	[4779, 7063]	7829	[9509, 9288]	10614	[10951, 6676]
2260	[3837, 3838]	5045	[7064, 263]	7830	[6068, 2697]	10615	[10034, 1830]
2261	[3839, 3840]	5046	[7065, 7066]	7831	[6769, 6105]	10616	[8973, 5661]
2262	[3841, 3842]	5047	[7067, 7068]	7832	[9510, 5051]	10617	[2037, 2420]
2263	[3843, 3844]	5048	[7069, 7070]	7833	[9511, 9512]	10618	[10952, 9257]
2264	[3458, 3845]	5049	[7071, 3800]	7834	[9021, 867]	10619	[6819, 8805]
2265	[3846, 3847]	5050	[4666, 7072]	7835	[8984, 504]	10620	[2740, 6796]
2266	[1003, 3848]	5051	[7073, 4790]	7836	[5689, 6040]	10621	[2746, 8889]
2267	[3849, 3850]	5052	[7074, 6957]	7837	[6198, 5332]	10622	[5247, 5135]
2268	[3851, 3852]	5053	[7075, 1235]	7838	[9513, 3006]	10623	[4913, 2151]
2269	[3853, 3629]	5054	[4215, 7076]	7839	[9514, 8780]	10624	[5869, 10948]
2270	[3854, 1041]	5055	[7077, 7078]	7840	[9515, 531]	10625	[10953, 6264]
2271	[390, 3855]	5056	[7079, 1148]	7841	[6151, 9220]	10626	[713, 5659]
2272	[3856, 3857]	5057	[7080, 3283]	7842	[9486, 9062]	10627	[10954, 5732]
2273	[1599, 3858]	5058	[7081, 7082]	7843	[9516, 9364]	10628	[10955, 2674]
2274	[3859, 1182]	5059	[3758, 7083]	7844	[623, 2082]	10629	[8802, 5292]

2275	[3860, 3861]	5060	[3070, 4396]	7845	[9517, 6514]	10630	[9446, 6065]
2276	[3699, 3862]	5061	[7084, 3651]	7846	[2697, 1941]	10631	[9322, 9471]
2277	[3863, 3519]	5062	[7085, 7086]	7847	[8871, 9518]	10632	[10956, 5099]
2278	[3864, 3865]	5063	[4621, 3390]	7848	[2186, 5063]	10633	[2190, 5961]
2279	[3866, 3867]	5064	[7087, 80]	7849	[9519, 804]	10634	[10957, 6373]
2280	[1549, 3868]	5065	[1534, 7088]	7850	[2380, 6418]	10635	[5074, 6830]
2281	[3743, 3869]	5066	[1662, 1123]	7851	[9520, 9521]	10636	[10958, 2144]
2282	[1051, 1035]	5067	[7089, 7090]	7852	[5749, 9522]	10637	[2730, 47]
2283	[3870, 3871]	5068	[4048, 7091]	7853	[1825, 6773]	10638	[9523, 8863]
2284	[362, 3872]	5069	[7092, 4325]	7854	[5077, 2166]	10639	[8829, 6229]
2285	[3873, 3874]	5070	[7093, 7088]	7855	[6784, 802]	10640	[5642, 6465]
2286	[1342, 1074]	5071	[7094, 7095]	7856	[9523, 9524]	10641	[1763, 5373]
2287	[1261, 3875]	5072	[7096, 7097]	7857	[5840, 6356]	10642	[10959, 2190]
2288	[3876, 3877]	5073	[7054, 1447]	7858	[2732, 9525]	10643	[9531, 9229]
2289	[3878, 3879]	5074	[4609, 4835]	7859	[2647, 9526]	10644	[5582, 2619]
2290	[3880, 3881]	5075	[7098, 7099]	7860	[9527, 9113]	10645	[10826, 10898]
2291	[3882, 3072]	5076	[7100, 3690]	7861	[5842, 9528]	10646	[10960, 1785]
2292	[3883, 295]	5077	[3423, 387]	7862	[9529, 9515]	10647	[4877, 9919]
2293	[3884, 440]	5078	[7101, 7102]	7863	[9530, 6238]	10648	[10961, 2159]
2294	[3885, 3886]	5079	[1091, 6883]	7864	[5200, 2283]	10649	[4996, 5793]
2295	[3887, 3888]	5080	[7103, 1094]	7865	[5895, 5199]	10650	[10962, 10865]
2296	[3889, 3890]	5081	[7104, 4184]	7866	[9531, 9532]	10651	[10963, 6144]
2297	[3891, 307]	5082	[7105, 3652]	7867	[9533, 9481]	10652	[9287, 9906]
2298	[3892, 1350]	5083	[7106, 3327]	7868	[9534, 2535]	10653	[10964, 5350]
2299	[3893, 3894]	5084	[7107, 323]	7869	[9535, 9247]	10654	[10786, 6262]
2300	[3895, 1567]	5085	[258, 1058]	7870	[779, 2409]	10655	[10728, 9956]
2301	[3896, 3897]	5086	[7108, 1608]	7871	[6170, 9536]	10656	[10965, 5587]
2302	[1350, 3898]	5087	[7109, 4699]	7872	[9537, 8831]	10657	[2771, 9827]
2303	[3899, 3900]	5088	[7110, 1474]	7873	[8760, 5143]	10658	[2480, 6789]
2304	[3158, 3901]	5089	[7111, 7112]	7874	[9538, 2390]	10659	[9318, 10966]
2305	[3902, 3903]	5090	[3239, 7113]	7875	[9539, 6455]	10660	[10967, 10855]
2306	[3904, 285]	5091	[7114, 4618]	7876	[9540, 1876]	10661	[10968, 591]
2307	[3905, 1428]	5092	[7115, 7116]	7877	[2874, 9541]	10662	[2940, 5817]
2308	[1477, 3906]	5093	[7117, 7118]	7878	[9542, 1974]	10663	[10953, 2870]
2309	[3907, 3908]	5094	[7119, 7120]	7879	[9543, 9544]	10664	[9826, 8917]
2310	[3909, 3910]	5095	[1296, 7121]	7880	[9545, 5392]	10665	[5496, 2385]
2311	[3911, 320]	5096	[7122, 7123]	7881	[9546, 5393]	10666	[10969, 5941]
2312	[3912, 3913]	5097	[7124, 4444]	7882	[5019, 6462]	10667	[6062, 928]
2313	[1314, 3914]	5098	[7125, 7126]	7883	[8858, 9547]	10668	[503, 1867]
2314	[3915, 3916]	5099	[7127, 7128]	7884	[9548, 5119]	10669	[10970, 211]
2315	[3917, 3918]	5100	[7129, 7130]	7885	[8863, 9549]	10670	[5595, 9539]
2316	[3919, 3920]	5101	[7131, 7132]	7886	[5352, 2888]	10671	[6262, 530]
2317	[3921, 3922]	5102	[7133, 7134]	7887	[9550, 6348]	10672	[5132, 573]
2318	[3923, 3924]	5103	[7135, 7136]	7888	[9551, 2822]	10673	[10971, 8916]

2319	[3925, 3054]	5104	[6946, 3308]	7889	[9552, 9553]	10674	[10972, 5606]
2320	[3926, 3927]	5105	[4456, 4145]	7890	[2834, 5635]	10675	[6038, 6096]
2321	[3928, 3929]	5106	[7137, 7138]	7891	[9554, 2868]	10676	[5351, 2887]
2322	[3930, 394]	5107	[7139, 7140]	7892	[6660, 3016]	10677	[10973, 5339]
2323	[3931, 3932]	5108	[3971, 1503]	7893	[9555, 9014]	10678	[8920, 9345]
2324	[3933, 3934]	5109	[4097, 7141]	7894	[6594, 9556]	10679	[216, 2246]
2325	[3935, 3936]	5110	[7142, 4274]	7895	[2529, 9557]	10680	[10033, 2299]
2326	[3937, 3938]	5111	[7143, 3381]	7896	[2916, 8957]	10681	[6840, 9951]
2327	[3939, 3174]	5112	[7144, 1473]	7897	[9558, 9044]	10682	[2563, 2280]
2328	[3940, 3941]	5113	[1738, 7145]	7898	[5823, 2413]	10683	[10974, 6806]
2329	[3942, 3943]	5114	[7146, 7147]	7899	[9559, 9255]	10684	[10975, 9931]
2330	[3412, 3944]	5115	[7148, 7149]	7900	[2457, 4879]	10685	[6774, 1981]
2331	[3945, 3946]	5116	[7150, 1220]	7901	[9560, 9561]	10686	[10976, 6127]
2332	[3947, 3864]	5117	[7151, 7152]	7902	[9562, 5766]	10687	[5857, 2152]
2333	[3948, 3199]	5118	[6957, 7153]	7903	[2768, 5267]	10688	[9001, 9981]
2334	[3949, 3950]	5119	[3354, 7154]	7904	[614, 9563]	10689	[9559, 6015]
2335	[3112, 1065]	5120	[1242, 7155]	7905	[9504, 2454]	10690	[9109, 6685]
2336	[3951, 1516]	5121	[7156, 7157]	7906	[6496, 9564]	10691	[10977, 9023]
2337	[3952, 3953]	5122	[3829, 7158]	7907	[9565, 533]	10692	[9725, 9984]
2338	[3954, 1748]	5123	[4461, 331]	7908	[9566, 6721]	10693	[10978, 5450]
2339	[3955, 437]	5124	[7159, 1602]	7909	[9567, 4976]	10694	[9955, 10729]
2340	[3956, 3957]	5125	[7160, 3978]	7910	[9224, 5755]	10695	[10979, 5987]
2341	[3958, 3959]	5126	[4720, 4836]	7911	[9368, 8826]	10696	[10980, 8955]
2342	[3508, 1615]	5127	[7161, 3212]	7912	[5088, 2901]	10697	[10981, 804]
2343	[3960, 1588]	5128	[7162, 3387]	7913	[5010, 6486]	10698	[10982, 6591]
2344	[3961, 3962]	5129	[7163, 7164]	7914	[9568, 5769]	10699	[6232, 5322]
2345	[3197, 3963]	5130	[7165, 7166]	7915	[9569, 9570]	10700	[9158, 9489]
2346	[3964, 3965]	5131	[7167, 3047]	7916	[9571, 5564]	10701	[5441, 9485]
2347	[3966, 3967]	5132	[1414, 1094]	7917	[9572, 9573]	10702	[6689, 10900]
2348	[3968, 3969]	5133	[1539, 4538]	7918	[9574, 9321]	10703	[10973, 837]
2349	[3970, 3971]	5134	[7168, 7169]	7919	[5309, 9575]	10704	[10983, 2443]
2350	[1218, 3972]	5135	[7170, 7171]	7920	[9407, 9422]	10705	[6212, 9850]
2351	[1220, 1712]	5136	[7172, 7173]	7921	[9576, 8754]	10706	[10984, 8952]
2352	[3973, 3974]	5137	[7174, 3514]	7922	[9577, 2310]	10707	[4940, 2759]
2353	[3975, 3976]	5138	[4058, 7073]	7923	[9578, 2815]	10708	[10985, 6511]
2354	[3977, 3978]	5139	[7175, 1466]	7924	[9579, 9435]	10709	[10986, 792]
2355	[3979, 3980]	5140	[446, 4052]	7925	[6257, 9580]	10710	[5270, 6168]
2356	[3981, 3982]	5141	[378, 7176]	7926	[9581, 6451]	10711	[10987, 6644]
2357	[3983, 1585]	5142	[414, 466]	7927	[9582, 6221]	10712	[10988, 2583]
2358	[1484, 3984]	5143	[7177, 7086]	7928	[2621, 5517]	10713	[5424, 1830]
2359	[3584, 3985]	5144	[7178, 4800]	7929	[9340, 5916]	10714	[10989, 9590]
2360	[3986, 3987]	5145	[7179, 1647]	7930	[6140, 9332]	10715	[10811, 9129]
2361	[3988, 1570]	5146	[7180, 7181]	7931	[2740, 9583]	10716	[10990, 8794]
2362	[3660, 3989]	5147	[7182, 1484]	7932	[5439, 932]	10717	[250, 6036]

2363	[3990, 3991]	5148	[7183, 4666]	7933	[9584, 9585]	10718	[9888, 9153]
2364	[3992, 3993]	5149	[7184, 3368]	7934	[5013, 2578]	10719	[10991, 2758]
2365	[3994, 3995]	5150	[7185, 7186]	7935	[9586, 6351]	10720	[10992, 9872]
2366	[3996, 3997]	5151	[7187, 3071]	7936	[8913, 5854]	10721	[10989, 10936]
2367	[1544, 3349]	5152	[3924, 6885]	7937	[2984, 6668]	10722	[10993, 10909]
2368	[1579, 412]	5153	[4644, 7188]	7938	[5898, 5200]	10723	[7211, 496]
2369	[3998, 3999]	5154	[7189, 1037]	7939	[5896, 5154]	10724	[10994, 7729]
2370	[4000, 1288]	5155	[370, 7190]	7940	[9080, 2281]	10725	[7789, 1734]
2371	[4001, 4002]	5156	[1146, 3075]	7941	[2860, 2489]	10726	[10995, 3280]
2372	[4003, 4004]	5157	[4622, 3391]	7942	[2852, 2855]	10727	[10996, 4510]
2373	[4005, 3847]	5158	[7191, 7192]	7943	[2284, 5899]	10728	[10508, 1092]
2374	[4006, 4007]	5159	[7193, 7194]	7944	[9587, 6503]	10729	[7381, 10604]
2375	[4008, 4009]	5160	[7195, 7196]	7945	[5637, 2994]	10730	[7613, 3410]
2376	[4010, 1685]	5161	[6862, 3763]	7946	[9588, 2502]	10731	[8722, 4546]
2377	[4011, 4012]	5162	[7197, 1132]	7947	[9589, 9590]	10732	[10997, 4366]
2378	[1112, 4013]	5163	[7198, 4276]	7948	[5093, 9180]	10733	[10998, 4095]
2379	[4014, 4015]	5164	[4239, 7199]	7949	[1946, 9591]	10734	[10999, 1606]
2380	[4016, 4017]	5165	[7200, 460]	7950	[5613, 2026]	10735	[10379, 3983]
2381	[1308, 3980]	5166	[7201, 3766]	7951	[9592, 9593]	10736	[1757, 4265]
2382	[4018, 3543]	5167	[7202, 7203]	7952	[2392, 9594]	10737	[3452, 7351]
2383	[4019, 3212]	5168	[7204, 4660]	7953	[9595, 9096]	10738	[11000, 7334]
2384	[1105, 3191]	5169	[7038, 7205]	7954	[9177, 9522]	10739	[4867, 10658]
2385	[4020, 302]	5170	[7206, 7190]	7955	[2566, 9526]	10740	[1604, 4849]
2386	[4021, 4022]	5171	[1670, 4172]	7956	[9596, 6101]	10741	[11001, 8091]
2387	[4023, 4024]	5172	[7207, 1330]	7957	[9597, 2894]	10742	[11002, 3090]
2388	[4025, 4026]	5173	[7208, 6904]	7958	[5844, 9478]	10743	[11003, 3646]
2389	[4027, 3150]	5174	[1223, 7209]	7959	[9598, 9599]	10744	[11004, 3372]
2390	[4028, 4029]	5175	[7210, 3323]	7960	[9061, 9487]	10745	[11005, 3750]
2391	[4030, 3894]	5176	[1347, 6922]	7961	[9351, 2273]	10746	[3826, 1563]
2392	[401, 3690]	5177	[7211, 1125]	7962	[9600, 6299]	10747	[1474, 8446]
2393	[4031, 1305]	5178	[7212, 7213]	7963	[9601, 6349]	10748	[11006, 3173]
2394	[4032, 4033]	5179	[7214, 7215]	7964	[9602, 9029]	10749	[11007, 1610]
2395	[1547, 3674]	5180	[7216, 7217]	7965	[2171, 2008]	10750	[10696, 7081]
2396	[3538, 4034]	5181	[7218, 6952]	7966	[9603, 8935]	10751	[4786, 431]
2397	[1331, 3803]	5182	[7219, 7220]	7967	[9604, 8757]	10752	[414, 4368]
2398	[4035, 1455]	5183	[7221, 7222]	7968	[9605, 4918]	10753	[3335, 10056]
2399	[4036, 4037]	5184	[7223, 7036]	7969	[5393, 5318]	10754	[11008, 8525]
2400	[1044, 4038]	5185	[7224, 4416]	7970	[2638, 9442]	10755	[3216, 3646]
2401	[3243, 4039]	5186	[7225, 7226]	7971	[9606, 2926]	10756	[11009, 10148]
2402	[1104, 1125]	5187	[7227, 7217]	7972	[2810, 5695]	10757	[7630, 4578]
2403	[4040, 1425]	5188	[958, 7228]	7973	[9607, 2087]	10758	[4202, 8128]
2404	[3797, 4041]	5189	[4552, 4511]	7974	[9608, 9609]	10759	[11010, 7825]
2405	[4042, 1116]	5190	[7229, 3197]	7975	[9458, 9610]	10760	[10384, 7267]
2406	[1201, 4043]	5191	[1136, 7230]	7976	[9611, 9349]	10761	[11011, 4056]

2407	[4044, 4045]	5192	[4013, 7231]	7977	[826, 9612]	10762	[1573, 10166]
2408	[4046, 1731]	5193	[7232, 7233]	7978	[6146, 2018]	10763	[4552, 7742]
2409	[4047, 4048]	5194	[7234, 4829]	7979	[6628, 9613]	10764	[11012, 3691]
2410	[1470, 4049]	5195	[1065, 7235]	7980	[56, 536]	10765	[11013, 4813]
2411	[4050, 1292]	5196	[7236, 7237]	7981	[1992, 6291]	10766	[8393, 989]
2412	[4051, 4052]	5197	[7238, 4647]	7982	[9614, 5410]	10767	[8221, 8715]
2413	[4053, 4054]	5198	[7239, 3451]	7983	[5508, 9615]	10768	[8131, 7400]
2414	[4055, 4056]	5199	[3285, 7240]	7984	[9616, 6769]	10769	[11014, 4823]
2415	[4057, 3371]	5200	[1391, 3974]	7985	[5725, 601]	10770	[7219, 448]
2416	[4058, 4059]	5201	[1232, 1391]	7986	[6022, 2199]	10771	[3733, 8591]
2417	[4060, 4061]	5202	[7241, 7043]	7987	[2393, 6635]	10772	[11015, 314]
2418	[3236, 4062]	5203	[7242, 3751]	7988	[6024, 5375]	10773	[11016, 3130]
2419	[4063, 3729]	5204	[7243, 4653]	7989	[9617, 4962]	10774	[11017, 3831]
2420	[3551, 4064]	5205	[7244, 7245]	7990	[6340, 5598]	10775	[3271, 4542]
2421	[4065, 325]	5206	[7246, 1156]	7991	[9618, 8811]	10776	[11018, 4059]
2422	[3890, 3760]	5207	[7247, 1109]	7992	[9619, 1871]	10777	[10230, 10477]
2423	[4066, 4067]	5208	[7248, 3986]	7993	[5294, 8994]	10778	[11019, 3566]
2424	[4068, 4069]	5209	[1719, 7151]	7994	[9033, 8939]	10779	[11020, 1742]
2425	[4070, 4071]	5210	[7249, 7250]	7995	[9620, 9621]	10780	[11021, 7075]
2426	[4072, 4073]	5211	[3517, 7251]	7996	[9622, 9593]	10781	[11022, 8306]
2427	[4074, 3461]	5212	[7252, 7253]	7997	[9623, 5826]	10782	[3900, 4662]
2428	[3814, 3203]	5213	[7254, 445]	7998	[1765, 6200]	10783	[11023, 1718]
2429	[4075, 3977]	5214	[7255, 1668]	7999	[9624, 9133]	10784	[3832, 3562]
2430	[4076, 4077]	5215	[3538, 7256]	8000	[9625, 2845]	10785	[7343, 8564]
2431	[4078, 4079]	5216	[7257, 7258]	8001	[9626, 2738]	10786	[11024, 6954]
2432	[1199, 4080]	5217	[7259, 295]	8002	[9500, 595]	10787	[8726, 93]
2433	[404, 1255]	5218	[4344, 7260]	8003	[9627, 572]	10788	[3612, 4476]
2434	[4081, 4082]	5219	[3203, 4828]	8004	[9628, 524]	10789	[4792, 10528]
2435	[4083, 4084]	5220	[1156, 7261]	8005	[5729, 1990]	10790	[6942, 10513]
2436	[4027, 4085]	5221	[4678, 4599]	8006	[9629, 9142]	10791	[4795, 1310]
2437	[4086, 4087]	5222	[4245, 4125]	8007	[5609, 9630]	10792	[10582, 4754]
2438	[4088, 4089]	5223	[1243, 7262]	8008	[4937, 8867]	10793	[3677, 8351]
2439	[4090, 975]	5224	[7263, 7264]	8009	[9631, 6271]	10794	[7978, 10431]
2440	[4091, 3186]	5225	[1361, 1453]	8010	[4903, 2792]	10795	[7794, 1726]
2441	[4057, 3041]	5226	[7265, 3625]	8011	[9150, 2181]	10796	[10290, 1666]
2442	[4092, 4093]	5227	[7266, 7267]	8012	[9632, 1986]	10797	[8622, 7504]
2443	[4094, 1655]	5228	[3467, 4130]	8013	[6138, 6579]	10798	[11025, 3476]
2444	[4095, 4096]	5229	[7268, 4428]	8014	[9633, 716]	10799	[8641, 6969]
2445	[3250, 4097]	5230	[7269, 3810]	8015	[9461, 9491]	10800	[8517, 7633]
2446	[4098, 3137]	5231	[7270, 1017]	8016	[6495, 9634]	10801	[7295, 3642]
2447	[4099, 1206]	5232	[1589, 7271]	8017	[9635, 9227]	10802	[8500, 7748]
2448	[4100, 74]	5233	[1341, 7272]	8018	[5137, 9245]	10803	[3131, 7488]
2449	[4101, 4102]	5234	[4405, 7273]	8019	[9281, 5207]	10804	[10341, 3524]
2450	[4103, 4104]	5235	[7274, 3443]	8020	[9636, 5022]	10805	[4420, 7808]

2451	[4105, 4106]	5236	[7275, 7276]	8021	[143, 821]	10806	[11026, 7182]
2452	[4107, 1308]	5237	[7277, 7278]	8022	[9637, 796]	10807	[7698, 1006]
2453	[4108, 4109]	5238	[7279, 1338]	8023	[9327, 5072]	10808	[11027, 10344]
2454	[4110, 4111]	5239	[121, 4852]	8024	[9638, 694]	10809	[11028, 10699]
2455	[4112, 4113]	5240	[112, 3811]	8025	[9639, 2357]	10810	[11029, 10306]
2456	[4114, 4037]	5241	[7280, 7281]	8026	[9640, 2355]	10811	[8178, 11030]
2457	[4115, 3929]	5242	[7282, 7283]	8027	[6428, 5903]	10812	[4675, 8390]
2458	[4116, 4117]	5243	[7284, 3865]	8028	[9641, 9642]	10813	[10283, 11031]
2459	[4118, 4119]	5244	[7285, 4718]	8029	[5472, 6488]	10814	[4235, 3254]
2460	[4120, 4121]	5245	[1341, 3917]	8030	[8870, 6673]	10815	[3410, 6902]
2461	[4122, 4123]	5246	[7286, 7287]	8031	[9643, 2504]	10816	[8568, 11032]
2462	[4124, 3175]	5247	[7288, 7289]	8032	[521, 2619]	10817	[1603, 4848]
2463	[3887, 4125]	5248	[7290, 7291]	8033	[5843, 8903]	10818	[8143, 8453]
2464	[1485, 4126]	5249	[7292, 4505]	8034	[1856, 9644]	10819	[11033, 3554]
2465	[4127, 4128]	5250	[7293, 4311]	8035	[8814, 6159]	10820	[7584, 10081]
2466	[3122, 18]	5251	[7294, 7012]	8036	[9645, 9646]	10821	[10674, 3274]
2467	[4129, 4130]	5252	[3052, 7295]	8037	[9647, 2333]	10822	[3505, 4173]
2468	[4131, 1295]	5253	[7296, 7297]	8038	[9648, 1763]	10823	[8107, 8497]
2469	[4132, 964]	5254	[4259, 4111]	8039	[5778, 2837]	10824	[7859, 4624]
2470	[4133, 4134]	5255	[3171, 4359]	8040	[6304, 2830]	10825	[11034, 7321]
2471	[3530, 4135]	5256	[7298, 3872]	8041	[717, 9649]	10826	[1428, 4397]
2472	[6, 4136]	5257	[7299, 7300]	8042	[626, 2877]	10827	[6995, 8044]
2473	[4137, 4138]	5258	[7301, 3364]	8043	[9650, 6802]	10828	[1132, 8076]
2474	[4139, 1286]	5259	[7302, 7303]	8044	[6751, 735]	10829	[3827, 11035]
2475	[4140, 3891]	5260	[3520, 3428]	8045	[9651, 9652]	10830	[11036, 10250]
2476	[4141, 4142]	5261	[7304, 7305]	8046	[9653, 9042]	10831	[10686, 3315]
2477	[4143, 3659]	5262	[7306, 3227]	8047	[9654, 6439]	10832	[4311, 10281]
2478	[4144, 3687]	5263	[6956, 3404]	8048	[9655, 9656]	10833	[11037, 1192]
2479	[3297, 4145]	5264	[6957, 7099]	8049	[9657, 2974]	10834	[8658, 7962]
2480	[4146, 4147]	5265	[4853, 3331]	8050	[1946, 2752]	10835	[3921, 10467]
2481	[4148, 4149]	5266	[7307, 4164]	8051	[6406, 192]	10836	[3845, 4326]
2482	[4150, 1251]	5267	[7308, 6944]	8052	[9658, 629]	10837	[8125, 8475]
2483	[4151, 429]	5268	[72, 7309]	8053	[6164, 9541]	10838	[1613, 8050]
2484	[4152, 4153]	5269	[3610, 3744]	8054	[9659, 9563]	10839	[7644, 3138]
2485	[4154, 4155]	5270	[7310, 4638]	8055	[538, 8838]	10840	[11038, 11039]
2486	[4156, 4157]	5271	[7311, 7312]	8056	[9660, 9661]	10841	[1470, 10087]
2487	[1620, 4158]	5272	[7313, 4550]	8057	[9030, 5883]	10842	[7300, 7172]
2488	[4159, 381]	5273	[7314, 7134]	8058	[5897, 1915]	10843	[10197, 7341]
2489	[4160, 3993]	5274	[376, 7315]	8059	[2949, 9662]	10844	[11040, 1399]
2490	[4161, 4162]	5275	[7316, 1654]	8060	[524, 2233]	10845	[444, 7126]
2491	[4163, 4164]	5276	[1466, 7062]	8061	[6454, 2887]	10846	[11041, 4226]
2492	[4165, 4166]	5277	[4052, 7317]	8062	[5286, 9467]	10847	[11042, 7993]
2493	[4167, 1343]	5278	[7318, 7319]	8063	[9663, 9544]	10848	[11043, 313]
2494	[4168, 4169]	5279	[7320, 456]	8064	[9664, 9437]	10849	[3099, 11044]

2495	[1409, 4170]	5280	[7321, 107]	8065	[5604, 2333]	10850	[8034, 8332]
2496	[4171, 4172]	5281	[7322, 7323]	8066	[5001, 2698]	10851	[11045, 7440]
2497	[4173, 4174]	5282	[380, 1445]	8067	[9665, 9023]	10852	[7151, 3843]
2498	[1702, 4175]	5283	[7000, 3741]	8068	[690, 9666]	10853	[11046, 10303]
2499	[4176, 4177]	5284	[7310, 7324]	8069	[9312, 9667]	10854	[8468, 3927]
2500	[4178, 4179]	5285	[3404, 7325]	8070	[165, 9110]	10855	[10656, 11047]
2501	[4180, 4181]	5286	[7326, 7327]	8071	[2108, 5651]	10856	[11048, 4519]
2502	[4182, 4183]	5287	[4164, 7024]	8072	[6253, 5242]	10857	[1504, 4000]
2503	[4184, 3777]	5288	[7328, 4314]	8073	[936, 5113]	10858	[11049, 7810]
2504	[4185, 1516]	5289	[3459, 4326]	8074	[5184, 6574]	10859	[10719, 7592]
2505	[4186, 4187]	5290	[7329, 1110]	8075	[9668, 2068]	10860	[1064, 3360]
2506	[5, 1696]	5291	[4, 7330]	8076	[2747, 2695]	10861	[1246, 4257]
2507	[4188, 4189]	5292	[7331, 3890]	8077	[9669, 9670]	10862	[1053, 4248]
2508	[1339, 4190]	5293	[1619, 7332]	8078	[8865, 9656]	10863	[3579, 10638]
2509	[4191, 3988]	5294	[7333, 7334]	8079	[9671, 9084]	10864	[375, 4800]
2510	[4192, 1375]	5295	[7335, 1519]	8080	[9672, 6801]	10865	[7406, 7501]
2511	[4193, 3495]	5296	[4613, 3704]	8081	[9673, 9674]	10866	[4436, 4425]
2512	[4194, 4195]	5297	[3522, 78]	8082	[9675, 560]	10867	[1652, 7702]
2513	[4196, 430]	5298	[3470, 7336]	8083	[9676, 9254]	10868	[4709, 7390]
2514	[1669, 4171]	5299	[7337, 7338]	8084	[5932, 1765]	10869	[7280, 7976]
2515	[4197, 4198]	5300	[7339, 7340]	8085	[9677, 9678]	10870	[1565, 11031]
2516	[4199, 4200]	5301	[7341, 7287]	8086	[6462, 750]	10871	[1276, 8452]
2517	[313, 3754]	5302	[7342, 1359]	8087	[9679, 1850]	10872	[4088, 3178]
2518	[4201, 3038]	5303	[7343, 7344]	8088	[9680, 2803]	10873	[3470, 8435]
2519	[4202, 323]	5304	[7028, 451]	8089	[9681, 2488]	10874	[11050, 8382]
2520	[4203, 4204]	5305	[7345, 7346]	8090	[2271, 9222]	10875	[3667, 8156]
2521	[4205, 1456]	5306	[1644, 7347]	8091	[5720, 9585]	10876	[11051, 10694]
2522	[4206, 19]	5307	[7348, 7349]	8092	[9682, 9683]	10877	[10524, 7757]
2523	[4207, 3925]	5308	[7350, 7351]	8093	[2303, 5768]	10878	[6965, 10152]
2524	[4208, 4209]	5309	[7352, 7353]	8094	[9684, 9205]	10879	[6891, 1278]
2525	[4210, 4211]	5310	[7278, 282]	8095	[8862, 9524]	10880	[7520, 1700]
2526	[3637, 3943]	5311	[7354, 7355]	8096	[9685, 9686]	10881	[1180, 7243]
2527	[4212, 4213]	5312	[7356, 4334]	8097	[9687, 2159]	10882	[3306, 7970]
2528	[4214, 4215]	5313	[6874, 7357]	8098	[9688, 1813]	10883	[11052, 7550]
2529	[4216, 4217]	5314	[7358, 1430]	8099	[9689, 2938]	10884	[11053, 81]
2530	[4218, 3628]	5315	[7359, 3782]	8100	[9690, 6076]	10885	[11054, 7233]
2531	[3999, 4219]	5316	[7134, 7360]	8101	[9601, 2896]	10886	[8662, 8147]
2532	[4220, 3920]	5317	[7361, 7362]	8102	[9691, 8894]	10887	[3242, 8199]
2533	[4221, 4222]	5318	[7363, 1439]	8103	[9692, 9693]	10888	[3789, 3507]
2534	[4223, 4224]	5319	[1293, 3406]	8104	[9694, 9695]	10889	[8004, 267]
2535	[4225, 4226]	5320	[7166, 1331]	8105	[9696, 512]	10890	[3606, 4543]
2536	[4227, 4228]	5321	[7364, 7365]	8106	[9524, 9549]	10891	[1658, 7319]
2537	[3080, 3765]	5322	[7366, 7367]	8107	[5096, 5131]	10892	[8521, 4064]
2538	[263, 4229]	5323	[7368, 3179]	8108	[8752, 2547]	10893	[11055, 7586]

2539	[4097, 1722]	5324	[7369, 4354]	8109	[9697, 5433]	10894	[11042, 1011]
2540	[381, 1053]	5325	[7370, 7371]	8110	[9698, 8921]	10895	[11056, 7123]
2541	[4230, 4231]	5326	[7372, 7373]	8111	[2979, 6758]	10896	[11057, 3936]
2542	[1322, 1130]	5327	[3919, 7374]	8112	[14, 5937]	10897	[11058, 8408]
2543	[4232, 1192]	5328	[7375, 7372]	8113	[9699, 2483]	10898	[10657, 4629]
2544	[3094, 4233]	5329	[7376, 1418]	8114	[9700, 5184]	10899	[10607, 4435]
2545	[4234, 4235]	5330	[7377, 4612]	8115	[9701, 9022]	10900	[8421, 4763]
2546	[4236, 4237]	5331	[7378, 4466]	8116	[9702, 9498]	10901	[1052, 382]
2547	[4238, 4239]	5332	[7379, 7380]	8117	[9703, 5570]	10902	[1727, 7176]
2548	[4240, 4241]	5333	[7381, 3727]	8118	[9331, 9060]	10903	[10683, 6890]
2549	[4242, 4243]	5334	[1495, 7382]	8119	[4954, 9328]	10904	[963, 4398]
2550	[4244, 4245]	5335	[1692, 7383]	8120	[9428, 5734]	10905	[11059, 3736]
2551	[4246, 4247]	5336	[3250, 1721]	8121	[2151, 9704]	10906	[8692, 3395]
2552	[4248, 4249]	5337	[7384, 3128]	8122	[147, 5961]	10907	[1019, 8563]
2553	[4250, 4251]	5338	[7385, 7386]	8123	[9705, 6428]	10908	[10128, 3797]
2554	[4252, 4253]	5339	[7387, 6935]	8124	[9706, 9707]	10909	[10345, 11060]
2555	[4254, 4255]	5340	[3643, 7388]	8125	[9708, 6734]	10910	[11061, 3342]
2556	[4256, 4257]	5341	[7389, 7390]	8126	[946, 9065]	10911	[10713, 8644]
2557	[4258, 4076]	5342	[7391, 423]	8127	[2322, 4994]	10912	[10371, 8505]
2558	[1386, 4259]	5343	[7392, 7393]	8128	[5185, 6575]	10913	[1651, 3716]
2559	[4260, 366]	5344	[1705, 6886]	8129	[635, 9481]	10914	[3914, 4494]
2560	[1494, 4261]	5345	[1676, 1235]	8130	[9122, 2776]	10915	[3356, 7399]
2561	[4262, 4263]	5346	[1252, 7394]	8131	[9709, 2950]	10916	[11062, 1246]
2562	[4264, 1549]	5347	[7395, 6872]	8132	[2352, 182]	10917	[1359, 3732]
2563	[4265, 4266]	5348	[7396, 3405]	8133	[9710, 9561]	10918	[6975, 1343]
2564	[4267, 4268]	5349	[7397, 490]	8134	[2700, 6459]	10919	[85, 7357]
2565	[4269, 350]	5350	[4054, 1434]	8135	[9711, 8947]	10920	[7105, 10676]
2566	[4270, 4271]	5351	[7398, 7399]	8136	[1837, 5064]	10921	[7089, 417]
2567	[1552, 4272]	5352	[1468, 1395]	8137	[9712, 2522]	10922	[10309, 8562]
2568	[4273, 4274]	5353	[3314, 7400]	8138	[8907, 6387]	10923	[4101, 3587]
2569	[4275, 4276]	5354	[1537, 7401]	8139	[9713, 663]	10924	[1247, 4787]
2570	[292, 4277]	5355	[7402, 1473]	8140	[9714, 1759]	10925	[7647, 7878]
2571	[4278, 4279]	5356	[6894, 4677]	8141	[5139, 6108]	10926	[11063, 3259]
2572	[4280, 4281]	5357	[7403, 7404]	8142	[9715, 542]	10927	[4390, 486]
2573	[3858, 4282]	5358	[4253, 1656]	8143	[2278, 6242]	10928	[4195, 1123]
2574	[1733, 3462]	5359	[7405, 1424]	8144	[9716, 9686]	10929	[11064, 10670]
2575	[4283, 3778]	5360	[7406, 1428]	8145	[6102, 5337]	10930	[8159, 7222]
2576	[4284, 4285]	5361	[491, 7407]	8146	[2579, 6060]	10931	[11060, 7897]
2577	[4286, 3091]	5362	[4741, 7408]	8147	[9717, 8903]	10932	[11065, 3718]
2578	[4287, 3568]	5363	[7409, 7410]	8148	[9718, 2203]	10933	[11066, 10263]
2579	[1357, 3281]	5364	[7411, 7264]	8149	[9719, 1862]	10934	[10338, 10099]
2580	[3552, 4288]	5365	[7412, 1241]	8150	[9720, 4985]	10935	[7912, 1585]
2581	[3238, 4289]	5366	[7413, 7414]	8151	[6007, 5511]	10936	[10504, 10147]
2582	[4290, 4291]	5367	[7241, 7415]	8152	[9721, 5236]	10937	[1075, 4062]

2583	[4292, 3575]	5368	[7416, 7417]	8153	[9722, 5405]	10938	[7032, 4418]
2584	[4293, 1395]	5369	[4399, 3845]	8154	[9723, 8770]	10939	[4244, 3887]
2585	[4294, 4295]	5370	[7418, 7419]	8155	[9724, 507]	10940	[11067, 7492]
2586	[4296, 4297]	5371	[7420, 3944]	8156	[9725, 8990]	10941	[1024, 7833]
2587	[1348, 3316]	5372	[7421, 4597]	8157	[9726, 9521]	10942	[11068, 968]
2588	[1087, 4298]	5373	[7422, 1248]	8158	[895, 6197]	10943	[10170, 4252]
2589	[4299, 4300]	5374	[7423, 4161]	8159	[6117, 6103]	10944	[10418, 1210]
2590	[4301, 4302]	5375	[7424, 7425]	8160	[9501, 9594]	10945	[3996, 3676]
2591	[4303, 3289]	5376	[7426, 3346]	8161	[9727, 1984]	10946	[1066, 7922]
2592	[4304, 1725]	5377	[7427, 3999]	8162	[2360, 6117]	10947	[11069, 10635]
2593	[4305, 1265]	5378	[7428, 4777]	8163	[5741, 2727]	10948	[4176, 4124]
2594	[1028, 4306]	5379	[7429, 1654]	8164	[9728, 213]	10949	[1196, 8609]
2595	[4307, 4308]	5380	[7430, 7431]	8165	[9729, 6312]	10950	[11070, 8426]
2596	[4309, 4310]	5381	[3658, 3311]	8166	[9730, 5622]	10951	[376, 1437]
2597	[4311, 4312]	5382	[7432, 4783]	8167	[9731, 9732]	10952	[1211, 3823]
2598	[1015, 4313]	5383	[7433, 7434]	8168	[9733, 5610]	10953	[11071, 10561]
2599	[4314, 4315]	5384	[7435, 7436]	8169	[9721, 2240]	10954	[8148, 6888]
2600	[4316, 4017]	5385	[1591, 4246]	8170	[9734, 2826]	10955	[392, 7371]
2601	[4317, 4318]	5386	[7437, 7438]	8171	[9735, 2098]	10956	[10186, 4484]
2602	[4319, 3503]	5387	[7439, 4372]	8172	[9641, 9736]	10957	[10055, 3336]
2603	[4320, 4321]	5388	[4680, 7440]	8173	[9095, 9737]	10958	[11072, 7894]
2604	[4322, 4323]	5389	[7441, 4347]	8174	[9738, 5820]	10959	[4562, 7548]
2605	[4324, 4325]	5390	[7442, 3377]	8175	[9087, 880]	10960	[11073, 374]
2606	[4326, 4040]	5391	[7443, 3398]	8176	[9739, 5915]	10961	[8642, 8555]
2607	[3252, 3757]	5392	[7444, 3515]	8177	[6008, 9160]	10962	[8048, 7256]
2608	[4327, 1013]	5393	[7445, 7353]	8178	[9740, 9741]	10963	[3718, 8221]
2609	[4328, 3947]	5394	[7014, 7446]	8179	[9742, 9195]	10964	[3636, 3942]
2610	[4329, 4330]	5395	[7447, 7448]	8180	[4885, 9743]	10965	[4288, 10597]
2611	[4331, 3177]	5396	[1450, 7350]	8181	[9744, 2990]	10966	[10722, 4540]
2612	[4332, 4333]	5397	[4289, 7449]	8182	[9745, 6580]	10967	[4490, 3709]
2613	[4334, 1401]	5398	[3607, 7450]	8183	[9746, 5475]	10968	[1295, 1126]
2614	[3606, 1482]	5399	[7451, 1534]	8184	[6069, 6382]	10969	[8584, 10702]
2615	[4335, 4336]	5400	[3167, 7380]	8185	[9747, 9334]	10970	[11074, 421]
2616	[3708, 4337]	5401	[7452, 7453]	8186	[2640, 667]	10971	[8352, 3446]
2617	[4338, 4339]	5402	[290, 7454]	8187	[48, 9255]	10972	[11075, 11044]
2618	[4340, 4341]	5403	[7455, 263]	8188	[9748, 1874]	10973	[6981, 1573]
2619	[4342, 1256]	5404	[6890, 4707]	8189	[4885, 2839]	10974	[1564, 10283]
2620	[993, 4007]	5405	[7456, 3867]	8190	[9749, 9259]	10975	[11076, 1517]
2621	[4343, 1167]	5406	[1089, 1652]	8191	[9652, 6011]	10976	[4199, 7412]
2622	[4344, 4008]	5407	[7457, 3985]	8192	[9750, 9751]	10977	[11077, 4035]
2623	[4345, 4346]	5408	[7458, 7459]	8193	[9752, 5092]	10978	[8204, 10215]
2624	[4347, 4315]	5409	[7460, 7461]	8194	[9753, 9754]	10979	[4400, 10438]
2625	[4348, 373]	5410	[7462, 7463]	8195	[9755, 5430]	10980	[1394, 7255]
2626	[4349, 4350]	5411	[7464, 7465]	8196	[9406, 9164]	10981	[11078, 10710]

2627	[4351, 4352]	5412	[7466, 3122]	8197	[9756, 9757]	10982	[11079, 8368]
2628	[4353, 4354]	5413	[7467, 7468]	8198	[9758, 2671]	10983	[11038, 10596]
2629	[4355, 1173]	5414	[7469, 6967]	8199	[9759, 2646]	10984	[8077, 1453]
2630	[4356, 3840]	5415	[7470, 3881]	8200	[9760, 5520]	10985	[1606, 1442]
2631	[4357, 4358]	5416	[7471, 7472]	8201	[9761, 8967]	10986	[1116, 7203]
2632	[4359, 4360]	5417	[7473, 4447]	8202	[2828, 9762]	10987	[1445, 8401]
2633	[4361, 1556]	5418	[3909, 4223]	8203	[9763, 9425]	10988	[11080, 3908]
2634	[1106, 3192]	5419	[7474, 3712]	8204	[9764, 1806]	10989	[7259, 3480]
2635	[4362, 4363]	5420	[4380, 7475]	8205	[9281, 2753]	10990	[10558, 7091]
2636	[4364, 4365]	5421	[7476, 1670]	8206	[9171, 5224]	10991	[7168, 8061]
2637	[4366, 4367]	5422	[4555, 7477]	8207	[5667, 6275]	10992	[10153, 7565]
2638	[4368, 4369]	5423	[7478, 3886]	8208	[9765, 9319]	10993	[4820, 8381]
2639	[1247, 4370]	5424	[7479, 7480]	8209	[244, 165]	10994	[11081, 6333]
2640	[4371, 3484]	5425	[7481, 1626]	8210	[5190, 9766]	10995	[9449, 179]
2641	[4285, 4372]	5426	[7482, 7483]	8211	[9609, 9767]	10996	[9765, 10966]
2642	[4373, 1207]	5427	[7484, 7410]	8212	[5573, 4986]	10997	[11082, 5552]
2643	[4374, 298]	5428	[3901, 7485]	8213	[2363, 802]	10998	[11083, 2039]
2644	[4375, 1185]	5429	[6899, 319]	8214	[9768, 6344]	10999	[6702, 9987]
2645	[4376, 4272]	5430	[7486, 7487]	8215	[9769, 6742]	11000	[11084, 2374]
2646	[4377, 3555]	5431	[4406, 7488]	8216	[9445, 4916]	11001	[2058, 709]
2647	[4378, 401]	5432	[3415, 7489]	8217	[9770, 9771]	11002	[671, 4945]
2648	[1459, 4379]	5433	[7490, 7491]	8218	[6215, 9283]	11003	[11085, 2196]
2649	[4380, 3831]	5434	[7492, 3606]	8219	[9772, 1789]	11004	[11086, 10934]
2650	[4381, 4382]	5435	[7493, 4376]	8220	[8938, 9773]	11005	[11087, 5757]
2651	[4383, 4384]	5436	[7494, 482]	8221	[9774, 4897]	11006	[9202, 6442]
2652	[4385, 4386]	5437	[7495, 1599]	8222	[9775, 8883]	11007	[11088, 2348]
2653	[4387, 4299]	5438	[7496, 1731]	8223	[9776, 9012]	11008	[6708, 5131]
2654	[4388, 4389]	5439	[4315, 7497]	8224	[681, 5318]	11009	[2295, 6396]
2655	[449, 4390]	5440	[3755, 7498]	8225	[9386, 4971]	11010	[11089, 565]
2656	[4391, 4392]	5441	[7499, 7231]	8226	[9777, 9026]	11011	[11090, 6274]
2657	[4393, 4394]	5442	[7500, 4748]	8227	[2583, 2093]	11012	[11091, 5604]
2658	[4395, 4396]	5443	[7501, 4397]	8228	[5958, 6377]	11013	[2333, 9041]
2659	[4397, 1175]	5444	[7502, 7503]	8229	[9778, 6043]	11014	[5965, 2992]
2660	[4132, 4398]	5445	[7225, 7504]	8230	[9620, 6684]	11015	[8814, 615]
2661	[1347, 4270]	5446	[7505, 3521]	8231	[9436, 6840]	11016	[11092, 4875]
2662	[4399, 3459]	5447	[3253, 3758]	8232	[676, 5880]	11017	[10774, 2892]
2663	[4400, 4401]	5448	[7333, 7506]	8233	[9779, 5741]	11018	[1854, 6801]
2664	[465, 4368]	5449	[7507, 7508]	8234	[9780, 2426]	11019	[9722, 5538]
2665	[4402, 3838]	5450	[3077, 7509]	8235	[9304, 6396]	11020	[2914, 2264]
2666	[4403, 3940]	5451	[7510, 7511]	8236	[9781, 5630]	11021	[6466, 2180]
2667	[4404, 3412]	5452	[7512, 7513]	8237	[9782, 9179]	11022	[10905, 823]
2668	[4405, 3254]	5453	[7514, 3259]	8238	[5364, 9269]	11023	[5944, 2975]
2669	[4406, 3132]	5454	[7515, 3787]	8239	[8851, 8956]	11024	[5399, 5064]
2670	[4407, 4408]	5455	[7516, 7517]	8240	[9400, 5479]	11025	[758, 9332]

2671	[4409, 4410]	5456	[281, 7518]	8241	[9215, 9783]	11026	[11093, 2631]
2672	[409, 3499]	5457	[7519, 6918]	8242	[2843, 6530]	11027	[11094, 1964]
2673	[3856, 1738]	5458	[7520, 7521]	8243	[9784, 9785]	11028	[6665, 2149]
2674	[4411, 4412]	5459	[7522, 7523]	8244	[9786, 5007]	11029	[9504, 5978]
2675	[4413, 1724]	5460	[7524, 4137]	8245	[697, 8775]	11030	[2931, 2270]
2676	[1730, 4382]	5461	[7525, 3147]	8246	[1854, 9650]	11031	[9398, 9903]
2677	[4414, 4340]	5462	[1734, 3463]	8247	[5020, 5180]	11032	[236, 10820]
2678	[4415, 4416]	5463	[7526, 7527]	8248	[773, 6273]	11033	[6315, 2352]
2679	[3192, 1299]	5464	[3389, 4277]	8249	[847, 5231]	11034	[2483, 215]
2680	[4417, 4418]	5465	[7528, 3423]	8250	[2598, 2924]	11035	[2630, 2849]
2681	[4419, 4420]	5466	[7529, 7530]	8251	[919, 2951]	11036	[11095, 2137]
2682	[3582, 4421]	5467	[7531, 7532]	8252	[9787, 5708]	11037	[11096, 2174]
2683	[4422, 4423]	5468	[7533, 3966]	8253	[9788, 6284]	11038	[11097, 6676]
2684	[3395, 4142]	5469	[7534, 7535]	8254	[9617, 4945]	11039	[2591, 673]
2685	[4424, 4425]	5470	[7536, 4135]	8255	[9483, 9170]	11040	[11098, 2501]
2686	[4426, 4427]	5471	[7537, 4302]	8256	[9789, 5148]	11041	[9861, 9207]
2687	[4428, 1208]	5472	[3513, 4333]	8257	[9790, 1763]	11042	[11099, 8925]
2688	[4429, 4430]	5473	[7538, 7539]	8258	[904, 5994]	11043	[9493, 2576]
2689	[4431, 3650]	5474	[7319, 7540]	8259	[9609, 5964]	11044	[9910, 9738]
2690	[4432, 4433]	5475	[7541, 3917]	8260	[9791, 5656]	11045	[6044, 2551]
2691	[4434, 4435]	5476	[4235, 7273]	8261	[9792, 595]	11046	[6208, 9612]
2692	[4436, 4437]	5477	[7542, 6864]	8262	[9793, 8869]	11047	[5963, 9767]
2693	[4438, 4439]	5478	[7543, 316]	8263	[9794, 6509]	11048	[5099, 908]
2694	[1499, 4440]	5479	[7544, 4545]	8264	[9795, 9796]	11049	[528, 10802]
2695	[4441, 4442]	5480	[3314, 7545]	8265	[9640, 5778]	11050	[11100, 5616]
2696	[4443, 4444]	5481	[18, 7546]	8266	[9306, 5531]	11051	[2630, 59]
2697	[4445, 4446]	5482	[7547, 7548]	8267	[608, 6659]	11052	[11101, 2105]
2698	[4447, 4448]	5483	[7549, 7550]	8268	[9515, 5097]	11053	[9584, 5721]
2699	[3910, 4224]	5484	[7017, 7524]	8269	[5155, 5930]	11054	[9892, 2881]
2700	[4449, 4450]	5485	[7551, 3064]	8270	[9797, 5101]	11055	[11102, 5708]
2701	[4451, 4247]	5486	[7552, 7553]	8271	[9798, 2502]	11056	[9816, 9415]
2702	[4452, 4453]	5487	[4772, 7000]	8272	[9799, 8996]	11057	[10961, 5612]
2703	[4454, 4455]	5488	[7554, 4255]	8273	[9800, 9223]	11058	[11103, 9670]
2704	[4456, 4457]	5489	[4801, 1757]	8274	[9801, 8789]	11059	[11104, 5132]
2705	[4458, 474]	5490	[7555, 4246]	8275	[9802, 5205]	11060	[2094, 737]
2706	[4459, 3655]	5491	[4580, 7556]	8276	[6714, 2669]	11061	[8955, 5112]
2707	[4460, 4461]	5492	[1410, 7557]	8277	[8884, 9803]	11062	[6847, 6398]
2708	[3892, 4462]	5493	[7558, 7487]	8278	[6444, 5580]	11063	[10012, 5177]
2709	[4463, 4464]	5494	[3401, 7559]	8279	[9804, 2318]	11064	[11105, 8770]
2710	[4465, 4466]	5495	[7560, 7561]	8280	[9199, 8801]	11065	[11106, 8965]
2711	[4299, 4467]	5496	[1300, 3180]	8281	[9805, 5947]	11066	[11107, 2663]
2712	[4468, 4469]	5497	[4239, 3695]	8282	[9806, 2868]	11067	[11108, 5587]
2713	[4470, 4471]	5498	[4195, 3615]	8283	[2813, 6448]	11068	[11109, 8920]
2714	[4472, 1529]	5499	[368, 7562]	8284	[9807, 9015]	11069	[11110, 5976]

2715	[4247, 4473]	5500	[1129, 3238]	8285	[9808, 9536]	11070	[5759, 5266]
2716	[4232, 4474]	5501	[7563, 7564]	8286	[6187, 4999]	11071	[11111, 2122]
2717	[4475, 4476]	5502	[359, 7565]	8287	[2775, 6335]	11072	[11112, 2700]
2718	[4477, 4478]	5503	[7566, 3123]	8288	[2252, 9809]	11073	[11113, 1759]
2719	[4479, 4480]	5504	[7567, 104]	8289	[9810, 2886]	11074	[11114, 550]
2720	[1551, 4376]	5505	[7568, 4454]	8290	[2582, 6706]	11075	[11115, 8955]
2721	[4481, 1144]	5506	[1752, 3570]	8291	[9811, 8913]	11076	[11116, 9707]
2722	[4158, 4482]	5507	[7569, 1326]	8292	[9812, 8818]	11077	[11117, 2583]
2723	[4483, 372]	5508	[4276, 7570]	8293	[884, 9813]	11078	[6459, 2714]
2724	[4484, 1336]	5509	[7571, 422]	8294	[9814, 897]	11079	[9165, 9783]
2725	[4485, 1702]	5510	[3410, 7572]	8295	[5742, 6224]	11080	[5224, 1816]
2726	[3228, 4486]	5511	[7573, 7574]	8296	[9815, 6616]	11081	[10255, 10102]
2727	[4487, 3412]	5512	[7383, 7564]	8297	[9816, 9056]	11082	[10485, 1070]
2728	[4488, 3248]	5513	[7575, 4710]	8298	[9817, 9191]	11083	[11118, 1028]
2729	[4489, 4490]	5514	[7576, 7577]	8299	[9647, 6147]	11084	[8518, 7634]
2730	[4491, 1732]	5515	[3616, 7578]	8300	[2314, 1900]	11085	[7053, 1446]
2731	[1066, 4492]	5516	[4832, 7579]	8301	[9818, 5033]	11086	[3154, 4429]
2732	[4493, 4494]	5517	[7072, 7212]	8302	[9218, 5931]	11087	[4262, 7302]
2733	[4495, 3188]	5518	[7580, 3095]	8303	[5388, 9819]	11088	[11119, 3970]
2734	[4496, 4497]	5519	[328, 3800]	8304	[9820, 811]	11089	[6920, 1078]
2735	[4237, 4498]	5520	[7581, 380]	8305	[9821, 9642]	11090	[8154, 6875]
2736	[1198, 4499]	5521	[7582, 7583]	8306	[6795, 9583]	11091	[11120, 1538]
2737	[3113, 4500]	5522	[1229, 7584]	8307	[2966, 709]	11092	[3488, 10539]
2738	[4501, 3063]	5523	[6912, 395]	8308	[2224, 710]	11093	[8252, 3712]
2739	[4502, 4503]	5524	[7585, 1369]	8309	[5259, 6623]	11094	[10712, 7666]
2740	[4504, 4505]	5525	[89, 7586]	8310	[5079, 2529]	11095	[11121, 4155]
2741	[4506, 3488]	5526	[7587, 1487]	8311	[2622, 5578]	11096	[11122, 1337]
2742	[4507, 4508]	5527	[966, 7588]	8312	[5140, 6447]	11097	[11123, 11030]
2743	[4509, 4510]	5528	[4061, 1719]	8313	[9822, 5047]	11098	[11124, 3150]
2744	[4511, 4512]	5529	[7589, 3987]	8314	[9823, 6078]	11099	[8337, 8520]
2745	[4513, 4514]	5530	[4052, 7419]	8315	[9824, 9512]	11100	[10569, 7674]
2746	[4423, 4515]	5531	[7590, 4013]	8316	[8978, 2370]	11101	[4001, 10721]
2747	[4516, 3695]	5532	[7591, 7592]	8317	[9825, 2629]	11102	[6873, 1253]
2748	[4517, 3165]	5533	[3443, 280]	8318	[9826, 5872]	11103	[3116, 7393]
2749	[4518, 4519]	5534	[7593, 3826]	8319	[6849, 9827]	11104	[3187, 10688]
2750	[1502, 4383]	5535	[3803, 3564]	8320	[5728, 1989]	11105	[3239, 7449]
2751	[4520, 3124]	5536	[7594, 3242]	8321	[6475, 9649]	11106	[8747, 1456]
2752	[4521, 4522]	5537	[1033, 7595]	8322	[5977, 2454]	11107	[8124, 8707]
2753	[4523, 4524]	5538	[1758, 4266]	8323	[2800, 6216]	11108	[10276, 3603]
2754	[396, 4525]	5539	[7596, 4297]	8324	[2497, 6209]	11109	[11125, 8317]
2755	[4083, 4526]	5540	[3259, 4783]	8325	[9828, 5682]	11110	[11126, 1650]
2756	[4527, 4528]	5541	[1621, 7597]	8326	[9829, 5307]	11111	[4858, 7726]
2757	[4529, 1485]	5542	[7471, 7598]	8327	[5058, 2904]	11112	[11127, 7461]
2758	[4530, 4531]	5543	[7599, 7583]	8328	[2687, 6233]	11113	[3332, 1179]

2759	[4532, 4183]	5544	[7600, 7601]	8329	[9336, 6322]	11114	[4507, 1535]
2760	[4533, 4534]	5545	[7291, 7602]	8330	[9830, 6029]	11115	[4633, 8531]
2761	[4535, 4536]	5546	[7603, 262]	8331	[8868, 5601]	11116	[6910, 1331]
2762	[3878, 4349]	5547	[7604, 7605]	8332	[9596, 5912]	11117	[1587, 4293]
2763	[4537, 4538]	5548	[7606, 3482]	8333	[8869, 8773]	11118	[1827, 5250]
2764	[4539, 4213]	5549	[7607, 3754]	8334	[239, 2538]	11119	[11128, 5999]
2765	[3772, 4540]	5550	[3571, 7608]	8335	[5886, 6608]	11120	[9941, 5203]
2766	[4541, 4542]	5551	[7079, 7007]	8336	[2723, 9831]	11121	[2684, 2405]
2767	[411, 1580]	5552	[7609, 7610]	8337	[142, 1936]	11122	[11129, 2022]
2768	[4543, 1483]	5553	[1146, 7611]	8338	[9832, 4877]	11123	[10896, 6002]
2769	[4544, 4545]	5554	[7612, 1035]	8339	[9833, 1811]	11124	[11130, 5031]
2770	[4546, 1316]	5555	[1408, 7613]	8340	[9834, 5980]	11125	[11131, 9026]
2771	[4321, 4547]	5556	[7614, 3279]	8341	[1765, 6112]	11126	[11132, 5039]
2772	[1236, 4531]	5557	[3963, 7615]	8342	[5296, 6744]	11127	[11133, 6180]
2773	[4548, 4549]	5558	[350, 4859]	8343	[9835, 6846]	11128	[8140, 948]
2774	[4550, 3494]	5559	[3396, 1334]	8344	[9836, 1846]	11129	[7475, 3456]
2775	[4551, 4552]	5560	[3261, 7616]	8345	[4901, 1916]	11130	[11134, 369]
2776	[4553, 1542]	5561	[7617, 7590]	8346	[9747, 5908]	11131	[11135, 1217]
2777	[4554, 478]	5562	[7618, 7513]	8347	[9837, 6764]	11132	[8483, 4071]
2778	[4555, 4556]	5563	[7619, 72]	8348	[6396, 6359]	11133	[11136, 7777]
2779	[4056, 4240]	5564	[3114, 7620]	8349	[1905, 6728]	11134	[9251, 720]
2780	[4557, 4558]	5565	[7621, 4565]	8350	[6182, 9838]	11135	[9164, 2216]
2781	[4559, 1439]	5566	[7622, 3807]	8351	[9839, 6694]	11136	[6389, 5584]
2782	[4560, 25]	5567	[7508, 7623]	8352	[934, 6738]		
2783	[1610, 1302]	5568	[3723, 7601]	8353	[9659, 5186]		
2784	[4561, 4562]	5569	[7624, 1613]	8354	[9840, 9841]		

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	1857	0	3714	1	5571	1	7428	1	9285	1
1	0	1858	1	3715	0	5572	1	7429	1	9286	0
2	0	1859	0	3716	0	5573	0	7430	0	9287	0
3	0	1860	1	3717	1	5574	1	7431	1	9288	0
4	0	1861	0	3718	1	5575	1	7432	0	9289	1
5	0	1862	1	3719	1	5576	0	7433	1	9290	0
6	0	1863	1	3720	1	5577	0	7434	0	9291	1
7	0	1864	1	3721	1	5578	0	7435	1	9292	0
8	0	1865	1	3722	1	5579	1	7436	1	9293	0
9	0	1866	1	3723	0	5580	1	7437	0	9294	0
10	1	1867	1	3724	1	5581	1	7438	1	9295	0
11	0	1868	1	3725	0	5582	1	7439	0	9296	1
12	1	1869	0	3726	1	5583	1	7440	1	9297	0
13	0	1870	1	3727	0	5584	0	7441	1	9298	1
14	1	1871	1	3728	0	5585	1	7442	1	9299	0

15	0	1872	1	3729	0	5586	1	7443	0	9300	0
16	1	1873	0	3730	1	5587	0	7444	0	9301	1
17	0	1874	0	3731	0	5588	0	7445	1	9302	1
18	1	1875	1	3732	0	5589	1	7446	1	9303	0
19	0	1876	0	3733	0	5590	0	7447	0	9304	0
20	1	1877	0	3734	0	5591	0	7448	1	9305	0
21	1	1878	0	3735	0	5592	0	7449	0	9306	0
22	0	1879	1	3736	1	5593	0	7450	0	9307	0
23	0	1880	1	3737	1	5594	0	7451	0	9308	0
24	0	1881	0	3738	1	5595	1	7452	1	9309	1
25	1	1882	0	3739	0	5596	1	7453	1	9310	0
26	0	1883	1	3740	1	5597	0	7454	1	9311	0
27	0	1884	1	3741	0	5598	1	7455	0	9312	1
28	0	1885	1	3742	1	5599	0	7456	0	9313	1
29	1	1886	0	3743	0	5600	1	7457	1	9314	0
30	0	1887	0	3744	0	5601	1	7458	0	9315	0
31	0	1888	1	3745	1	5602	1	7459	0	9316	0
32	1	1889	0	3746	1	5603	0	7460	0	9317	0
33	1	1890	0	3747	1	5604	1	7461	0	9318	1
34	0	1891	1	3748	1	5605	0	7462	0	9319	1
35	0	1892	0	3749	1	5606	0	7463	0	9320	0
36	1	1893	0	3750	1	5607	0	7464	0	9321	1
37	1	1894	0	3751	1	5608	1	7465	1	9322	0
38	1	1895	1	3752	0	5609	1	7466	1	9323	1
39	0	1896	1	3753	1	5610	0	7467	1	9324	0
40	1	1897	0	3754	1	5611	0	7468	0	9325	0
41	1	1898	0	3755	1	5612	0	7469	0	9326	0
42	0	1899	1	3756	0	5613	0	7470	0	9327	1
43	1	1900	1	3757	1	5614	0	7471	1	9328	0
44	0	1901	0	3758	0	5615	1	7472	1	9329	0
45	0	1902	0	3759	0	5616	1	7473	1	9330	1
46	0	1903	0	3760	0	5617	1	7474	1	9331	1
47	0	1904	1	3761	1	5618	0	7475	0	9332	0
48	0	1905	0	3762	1	5619	1	7476	0	9333	0
49	0	1906	0	3763	1	5620	0	7477	1	9334	0
50	1	1907	1	3764	1	5621	0	7478	1	9335	0
51	1	1908	0	3765	0	5622	1	7479	1	9336	1
52	1	1909	1	3766	0	5623	0	7480	0	9337	1
53	0	1910	1	3767	1	5624	0	7481	1	9338	0
54	1	1911	0	3768	0	5625	1	7482	1	9339	0
55	0	1912	1	3769	0	5626	1	7483	1	9340	0
56	0	1913	0	3770	0	5627	1	7484	0	9341	0
57	0	1914	1	3771	1	5628	1	7485	0	9342	0
58	1	1915	1	3772	1	5629	0	7486	1	9343	0

59	1	1916	0	3773	1	5630	0	7487	0	9344	1
60	1	1917	1	3774	0	5631	0	7488	0	9345	0
61	0	1918	0	3775	0	5632	0	7489	0	9346	0
62	1	1919	1	3776	1	5633	1	7490	1	9347	0
63	0	1920	0	3777	0	5634	0	7491	1	9348	0
64	0	1921	1	3778	0	5635	1	7492	0	9349	0
65	1	1922	1	3779	1	5636	1	7493	1	9350	0
66	0	1923	1	3780	1	5637	1	7494	0	9351	1
67	1	1924	0	3781	1	5638	1	7495	0	9352	0
68	0	1925	0	3782	1	5639	1	7496	0	9353	0
69	0	1926	0	3783	1	5640	0	7497	0	9354	0
70	0	1927	1	3784	1	5641	1	7498	1	9355	1
71	0	1928	0	3785	1	5642	1	7499	0	9356	0
72	1	1929	1	3786	0	5643	1	7500	1	9357	1
73	1	1930	0	3787	1	5644	1	7501	0	9358	1
74	0	1931	1	3788	1	5645	1	7502	1	9359	0
75	1	1932	1	3789	1	5646	1	7503	1	9360	0
76	0	1933	0	3790	0	5647	1	7504	0	9361	1
77	1	1934	1	3791	1	5648	0	7505	1	9362	1
78	0	1935	1	3792	1	5649	0	7506	1	9363	1
79	0	1936	0	3793	0	5650	1	7507	1	9364	0
80	1	1937	0	3794	1	5651	1	7508	1	9365	1
81	1	1938	1	3795	0	5652	1	7509	0	9366	0
82	0	1939	0	3796	0	5653	0	7510	1	9367	1
83	1	1940	1	3797	0	5654	0	7511	0	9368	1
84	1	1941	0	3798	1	5655	0	7512	0	9369	0
85	0	1942	0	3799	0	5656	1	7513	1	9370	0
86	1	1943	1	3800	1	5657	0	7514	0	9371	1
87	1	1944	0	3801	0	5658	0	7515	1	9372	0
88	0	1945	1	3802	0	5659	0	7516	1	9373	1
89	0	1946	0	3803	0	5660	0	7517	0	9374	1
90	1	1947	0	3804	0	5661	0	7518	0	9375	1
91	0	1948	0	3805	0	5662	1	7519	1	9376	1
92	0	1949	1	3806	1	5663	1	7520	0	9377	0
93	0	1950	0	3807	0	5664	0	7521	1	9378	0
94	0	1951	1	3808	0	5665	0	7522	1	9379	0
95	0	1952	0	3809	0	5666	1	7523	1	9380	1
96	1	1953	0	3810	0	5667	1	7524	0	9381	1
97	0	1954	1	3811	0	5668	1	7525	0	9382	0
98	0	1955	1	3812	0	5669	0	7526	1	9383	0
99	0	1956	0	3813	0	5670	1	7527	1	9384	1
100	0	1957	0	3814	1	5671	1	7528	1	9385	0
101	1	1958	1	3815	0	5672	0	7529	0	9386	1
102	0	1959	1	3816	0	5673	1	7530	0	9387	0

103	1	1960	0	3817	0	5674	1	7531	0	9388	1
104	1	1961	0	3818	1	5675	1	7532	1	9389	1
105	1	1962	1	3819	1	5676	1	7533	0	9390	0
106	0	1963	0	3820	0	5677	0	7534	1	9391	1
107	0	1964	0	3821	0	5678	1	7535	0	9392	0
108	0	1965	0	3822	1	5679	0	7536	1	9393	1
109	1	1966	0	3823	0	5680	1	7537	0	9394	0
110	0	1967	0	3824	1	5681	1	7538	1	9395	1
111	0	1968	0	3825	0	5682	0	7539	1	9396	1
112	1	1969	1	3826	1	5683	0	7540	0	9397	0
113	0	1970	1	3827	0	5684	1	7541	0	9398	1
114	0	1971	0	3828	0	5685	1	7542	0	9399	1
115	0	1972	0	3829	1	5686	1	7543	0	9400	0
116	0	1973	0	3830	0	5687	0	7544	0	9401	0
117	1	1974	0	3831	1	5688	1	7545	0	9402	1
118	0	1975	0	3832	0	5689	1	7546	0	9403	1
119	1	1976	0	3833	0	5690	0	7547	1	9404	1
120	1	1977	1	3834	0	5691	1	7548	0	9405	1
121	1	1978	0	3835	1	5692	1	7549	0	9406	0
122	0	1979	1	3836	0	5693	0	7550	1	9407	1
123	0	1980	1	3837	1	5694	1	7551	1	9408	0
124	0	1981	0	3838	0	5695	1	7552	0	9409	0
125	1	1982	0	3839	0	5696	1	7553	1	9410	0
126	0	1983	1	3840	1	5697	1	7554	0	9411	1
127	0	1984	1	3841	1	5698	1	7555	0	9412	1
128	0	1985	1	3842	1	5699	1	7556	1	9413	1
129	0	1986	0	3843	1	5700	1	7557	1	9414	1
130	1	1987	1	3844	1	5701	1	7558	0	9415	0
131	1	1988	0	3845	1	5702	1	7559	1	9416	0
132	0	1989	0	3846	1	5703	0	7560	1	9417	1
133	0	1990	0	3847	0	5704	0	7561	0	9418	0
134	1	1991	0	3848	0	5705	1	7562	0	9419	1
135	1	1992	0	3849	0	5706	0	7563	1	9420	0
136	0	1993	0	3850	1	5707	1	7564	1	9421	1
137	0	1994	1	3851	1	5708	0	7565	0	9422	1
138	0	1995	1	3852	0	5709	1	7566	0	9423	0
139	0	1996	0	3853	1	5710	0	7567	0	9424	1
140	1	1997	0	3854	1	5711	0	7568	1	9425	1
141	0	1998	1	3855	0	5712	0	7569	1	9426	1
142	0	1999	0	3856	1	5713	0	7570	0	9427	1
143	0	2000	0	3857	1	5714	1	7571	0	9428	1
144	1	2001	1	3858	1	5715	0	7572	0	9429	0
145	1	2002	0	3859	1	5716	1	7573	0	9430	1
146	1	2003	1	3860	0	5717	0	7574	1	9431	1

147	1	2004	1	3861	1	5718	1	7575	1	9432	1
148	1	2005	0	3862	0	5719	1	7576	0	9433	1
149	0	2006	0	3863	1	5720	0	7577	1	9434	0
150	1	2007	0	3864	0	5721	1	7578	0	9435	0
151	1	2008	1	3865	0	5722	1	7579	1	9436	1
152	1	2009	0	3866	1	5723	1	7580	1	9437	1
153	0	2010	1	3867	1	5724	0	7581	0	9438	0
154	1	2011	0	3868	1	5725	1	7582	1	9439	1
155	1	2012	1	3869	1	5726	0	7583	1	9440	1
156	1	2013	1	3870	1	5727	0	7584	1	9441	1
157	0	2014	0	3871	1	5728	0	7585	0	9442	1
158	1	2015	1	3872	0	5729	1	7586	0	9443	0
159	0	2016	0	3873	0	5730	0	7587	0	9444	0
160	1	2017	1	3874	1	5731	0	7588	1	9445	1
161	1	2018	0	3875	0	5732	0	7589	0	9446	1
162	0	2019	1	3876	0	5733	0	7590	1	9447	0
163	1	2020	0	3877	0	5734	1	7591	1	9448	1
164	1	2021	0	3878	0	5735	0	7592	0	9449	0
165	0	2022	1	3879	0	5736	0	7593	1	9450	0
166	0	2023	1	3880	1	5737	1	7594	0	9451	1
167	1	2024	0	3881	1	5738	1	7595	0	9452	1
168	1	2025	0	3882	0	5739	0	7596	1	9453	1
169	1	2026	1	3883	0	5740	1	7597	0	9454	1
170	1	2027	0	3884	1	5741	1	7598	0	9455	0
171	0	2028	1	3885	0	5742	0	7599	0	9456	0
172	1	2029	0	3886	1	5743	1	7600	1	9457	1
173	1	2030	1	3887	1	5744	1	7601	0	9458	0
174	0	2031	0	3888	0	5745	0	7602	1	9459	0
175	1	2032	1	3889	1	5746	1	7603	0	9460	1
176	0	2033	1	3890	1	5747	1	7604	0	9461	0
177	0	2034	1	3891	1	5748	1	7605	1	9462	1
178	0	2035	1	3892	1	5749	1	7606	0	9463	0
179	0	2036	1	3893	1	5750	1	7607	1	9464	1
180	1	2037	0	3894	1	5751	1	7608	0	9465	1
181	1	2038	1	3895	1	5752	1	7609	1	9466	0
182	1	2039	0	3896	0	5753	1	7610	0	9467	1
183	0	2040	1	3897	1	5754	1	7611	1	9468	0
184	1	2041	0	3898	0	5755	1	7612	1	9469	0
185	0	2042	0	3899	1	5756	1	7613	1	9470	0
186	1	2043	0	3900	1	5757	1	7614	1	9471	0
187	0	2044	1	3901	1	5758	0	7615	1	9472	0
188	1	2045	1	3902	1	5759	1	7616	0	9473	1
189	0	2046	0	3903	1	5760	1	7617	1	9474	1
190	1	2047	1	3904	0	5761	0	7618	1	9475	1

191	0	2048	0	3905	1	5762	1	7619	1	9476	0
192	1	2049	1	3906	0	5763	1	7620	0	9477	0
193	1	2050	1	3907	0	5764	0	7621	1	9478	0
194	1	2051	0	3908	0	5765	0	7622	1	9479	1
195	0	2052	1	3909	1	5766	0	7623	1	9480	0
196	0	2053	1	3910	0	5767	0	7624	0	9481	1
197	0	2054	0	3911	1	5768	0	7625	0	9482	1
198	1	2055	1	3912	1	5769	0	7626	0	9483	1
199	0	2056	0	3913	0	5770	1	7627	1	9484	1
200	1	2057	1	3914	0	5771	1	7628	1	9485	0
201	0	2058	1	3915	1	5772	0	7629	0	9486	1
202	1	2059	0	3916	1	5773	1	7630	1	9487	0
203	1	2060	0	3917	1	5774	1	7631	0	9488	1
204	1	2061	1	3918	0	5775	0	7632	0	9489	1
205	0	2062	0	3919	0	5776	0	7633	0	9490	1
206	1	2063	1	3920	0	5777	0	7634	0	9491	0
207	1	2064	1	3921	1	5778	0	7635	0	9492	1
208	1	2065	0	3922	0	5779	1	7636	1	9493	0
209	1	2066	1	3923	0	5780	0	7637	1	9494	0
210	0	2067	1	3924	1	5781	1	7638	1	9495	0
211	1	2068	1	3925	0	5782	1	7639	1	9496	1
212	1	2069	1	3926	1	5783	1	7640	1	9497	0
213	0	2070	1	3927	1	5784	0	7641	0	9498	1
214	0	2071	1	3928	1	5785	0	7642	1	9499	0
215	0	2072	0	3929	0	5786	1	7643	1	9500	1
216	0	2073	1	3930	1	5787	0	7644	0	9501	0
217	0	2074	0	3931	0	5788	0	7645	0	9502	1
218	1	2075	1	3932	1	5789	1	7646	0	9503	1
219	1	2076	0	3933	0	5790	0	7647	1	9504	1
220	1	2077	1	3934	0	5791	1	7648	0	9505	0
221	0	2078	0	3935	0	5792	1	7649	0	9506	0
222	1	2079	0	3936	0	5793	0	7650	1	9507	0
223	0	2080	1	3937	1	5794	1	7651	0	9508	1
224	1	2081	0	3938	1	5795	0	7652	1	9509	1
225	1	2082	0	3939	1	5796	1	7653	1	9510	1
226	1	2083	0	3940	1	5797	0	7654	0	9511	1
227	0	2084	1	3941	0	5798	1	7655	0	9512	0
228	1	2085	1	3942	0	5799	0	7656	1	9513	1
229	0	2086	0	3943	0	5800	0	7657	0	9514	0
230	1	2087	1	3944	1	5801	1	7658	1	9515	1
231	0	2088	0	3945	1	5802	0	7659	1	9516	0
232	0	2089	1	3946	0	5803	1	7660	0	9517	0
233	0	2090	1	3947	0	5804	1	7661	0	9518	1
234	0	2091	1	3948	0	5805	1	7662	1	9519	0

235	1	2092	1	3949	0	5806	0	7663	1	9520	0
236	0	2093	1	3950	1	5807	0	7664	0	9521	0
237	0	2094	0	3951	1	5808	0	7665	1	9522	0
238	0	2095	0	3952	0	5809	0	7666	0	9523	0
239	1	2096	1	3953	1	5810	1	7667	0	9524	1
240	0	2097	0	3954	0	5811	0	7668	1	9525	1
241	1	2098	1	3955	0	5812	0	7669	0	9526	1
242	1	2099	1	3956	1	5813	0	7670	0	9527	0
243	1	2100	1	3957	1	5814	1	7671	1	9528	1
244	0	2101	0	3958	1	5815	0	7672	1	9529	0
245	0	2102	0	3959	0	5816	0	7673	1	9530	0
246	1	2103	0	3960	0	5817	1	7674	1	9531	0
247	0	2104	0	3961	0	5818	0	7675	0	9532	1
248	1	2105	1	3962	0	5819	0	7676	1	9533	0
249	0	2106	0	3963	0	5820	0	7677	0	9534	0
250	0	2107	0	3964	0	5821	0	7678	0	9535	0
251	1	2108	1	3965	0	5822	0	7679	0	9536	0
252	0	2109	0	3966	0	5823	0	7680	1	9537	0
253	0	2110	1	3967	0	5824	1	7681	1	9538	0
254	0	2111	0	3968	0	5825	0	7682	0	9539	1
255	0	2112	1	3969	0	5826	1	7683	0	9540	0
256	1	2113	1	3970	1	5827	0	7684	0	9541	0
257	0	2114	1	3971	0	5828	1	7685	0	9542	1
258	1	2115	1	3972	0	5829	0	7686	1	9543	1
259	0	2116	0	3973	0	5830	1	7687	0	9544	0
260	1	2117	1	3974	1	5831	0	7688	0	9545	0
261	1	2118	1	3975	1	5832	0	7689	1	9546	0
262	0	2119	1	3976	1	5833	1	7690	1	9547	0
263	1	2120	1	3977	1	5834	0	7691	1	9548	1
264	0	2121	0	3978	0	5835	0	7692	0	9549	1
265	0	2122	0	3979	1	5836	0	7693	1	9550	0
266	1	2123	0	3980	1	5837	0	7694	1	9551	0
267	0	2124	0	3981	1	5838	1	7695	1	9552	0
268	1	2125	1	3982	1	5839	1	7696	1	9553	0
269	1	2126	1	3983	1	5840	0	7697	1	9554	1
270	1	2127	1	3984	0	5841	0	7698	1	9555	1
271	1	2128	0	3985	0	5842	1	7699	1	9556	1
272	1	2129	0	3986	1	5843	0	7700	1	9557	0
273	0	2130	0	3987	0	5844	0	7701	0	9558	1
274	1	2131	1	3988	0	5845	1	7702	0	9559	1
275	0	2132	0	3989	0	5846	0	7703	0	9560	0
276	1	2133	0	3990	1	5847	0	7704	0	9561	0
277	0	2134	0	3991	0	5848	0	7705	1	9562	1
278	0	2135	1	3992	0	5849	1	7706	1	9563	0

279	0	2136	1	3993	1	5850	1	7707	0	9564	0
280	0	2137	1	3994	0	5851	0	7708	0	9565	1
281	1	2138	0	3995	1	5852	0	7709	0	9566	1
282	1	2139	0	3996	1	5853	0	7710	0	9567	1
283	0	2140	1	3997	0	5854	0	7711	0	9568	0
284	0	2141	1	3998	0	5855	1	7712	0	9569	1
285	0	2142	1	3999	1	5856	1	7713	0	9570	1
286	1	2143	1	4000	1	5857	0	7714	1	9571	0
287	0	2144	1	4001	1	5858	0	7715	1	9572	0
288	0	2145	1	4002	0	5859	0	7716	0	9573	1
289	1	2146	1	4003	1	5860	0	7717	1	9574	1
290	1	2147	0	4004	1	5861	0	7718	1	9575	0
291	1	2148	0	4005	0	5862	0	7719	1	9576	0
292	0	2149	1	4006	1	5863	1	7720	0	9577	1
293	1	2150	0	4007	1	5864	1	7721	1	9578	1
294	0	2151	0	4008	0	5865	1	7722	1	9579	1
295	1	2152	1	4009	1	5866	1	7723	1	9580	0
296	0	2153	0	4010	0	5867	0	7724	1	9581	0
297	1	2154	0	4011	0	5868	0	7725	1	9582	0
298	1	2155	1	4012	1	5869	0	7726	0	9583	1
299	0	2156	1	4013	1	5870	0	7727	1	9584	1
300	0	2157	0	4014	1	5871	1	7728	1	9585	0
301	1	2158	1	4015	1	5872	0	7729	0	9586	1
302	1	2159	1	4016	0	5873	1	7730	1	9587	0
303	1	2160	0	4017	0	5874	0	7731	1	9588	0
304	1	2161	1	4018	0	5875	0	7732	1	9589	0
305	1	2162	1	4019	0	5876	0	7733	1	9590	1
306	0	2163	1	4020	0	5877	1	7734	1	9591	1
307	1	2164	0	4021	0	5878	1	7735	0	9592	1
308	1	2165	1	4022	0	5879	1	7736	1	9593	0
309	1	2166	0	4023	1	5880	0	7737	0	9594	1
310	1	2167	0	4024	1	5881	1	7738	0	9595	0
311	1	2168	1	4025	0	5882	1	7739	1	9596	1
312	1	2169	1	4026	1	5883	0	7740	1	9597	1
313	0	2170	1	4027	1	5884	1	7741	0	9598	1
314	0	2171	0	4028	1	5885	0	7742	0	9599	0
315	0	2172	0	4029	0	5886	0	7743	1	9600	0
316	1	2173	0	4030	0	5887	0	7744	1	9601	0
317	1	2174	1	4031	1	5888	1	7745	1	9602	1
318	0	2175	1	4032	0	5889	0	7746	0	9603	1
319	1	2176	1	4033	1	5890	0	7747	0	9604	1
320	1	2177	0	4034	0	5891	1	7748	1	9605	1
321	1	2178	0	4035	1	5892	1	7749	1	9606	1
322	1	2179	1	4036	0	5893	1	7750	0	9607	1

323	0	2180	1	4037	0	5894	1	7751	1	9608	0
324	1	2181	0	4038	0	5895	1	7752	1	9609	1
325	1	2182	0	4039	1	5896	1	7753	1	9610	1
326	1	2183	0	4040	0	5897	1	7754	0	9611	1
327	1	2184	1	4041	0	5898	0	7755	0	9612	1
328	0	2185	1	4042	1	5899	0	7756	1	9613	0
329	0	2186	1	4043	1	5900	1	7757	1	9614	1
330	1	2187	0	4044	1	5901	0	7758	0	9615	1
331	0	2188	0	4045	0	5902	0	7759	1	9616	1
332	1	2189	1	4046	1	5903	0	7760	1	9617	1
333	1	2190	0	4047	1	5904	0	7761	0	9618	0
334	0	2191	1	4048	1	5905	0	7762	0	9619	0
335	1	2192	0	4049	0	5906	0	7763	1	9620	0
336	0	2193	0	4050	0	5907	0	7764	1	9621	1
337	1	2194	0	4051	1	5908	1	7765	0	9622	0
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339	1	2196	1	4053	0	5910	1	7767	0	9624	1
340	0	2197	1	4054	1	5911	0	7768	0	9625	0
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342	1	2199	0	4056	1	5913	1	7770	0	9627	0
343	1	2200	1	4057	1	5914	1	7771	0	9628	0
344	1	2201	1	4058	1	5915	1	7772	1	9629	0
345	1	2202	1	4059	0	5916	1	7773	0	9630	1
346	0	2203	1	4060	1	5917	1	7774	1	9631	0
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348	1	2205	0	4062	1	5919	0	7776	0	9633	1
349	1	2206	1	4063	1	5920	1	7777	0	9634	0
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352	1	2209	1	4066	0	5923	1	7780	0	9637	0
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354	0	2211	1	4068	0	5925	1	7782	1	9639	0
355	0	2212	1	4069	0	5926	1	7783	0	9640	0
356	0	2213	0	4070	0	5927	1	7784	1	9641	1
357	0	2214	0	4071	1	5928	1	7785	0	9642	0
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359	1	2216	1	4073	1	5930	1	7787	0	9644	0
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361	1	2218	0	4075	1	5932	0	7789	1	9646	0
362	1	2219	0	4076	0	5933	0	7790	1	9647	0
363	1	2220	1	4077	1	5934	0	7791	0	9648	0
364	1	2221	1	4078	0	5935	1	7792	1	9649	0
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366	0	2223	1	4080	1	5937	0	7794	0	9651	1

367	1	2224	0	4081	0	5938	0	7795	1	9652	0
368	0	2225	1	4082	1	5939	0	7796	0	9653	0
369	0	2226	1	4083	0	5940	0	7797	1	9654	1
370	0	2227	1	4084	0	5941	1	7798	0	9655	0
371	1	2228	0	4085	1	5942	1	7799	1	9656	1
372	1	2229	0	4086	0	5943	1	7800	1	9657	0
373	0	2230	1	4087	1	5944	0	7801	1	9658	0
374	1	2231	0	4088	0	5945	0	7802	1	9659	1
375	1	2232	1	4089	0	5946	0	7803	1	9660	0
376	0	2233	0	4090	0	5947	0	7804	1	9661	1
377	0	2234	1	4091	1	5948	0	7805	1	9662	1
378	1	2235	0	4092	0	5949	0	7806	1	9663	0
379	1	2236	0	4093	0	5950	1	7807	1	9664	0
380	1	2237	1	4094	0	5951	1	7808	1	9665	1
381	0	2238	0	4095	1	5952	1	7809	1	9666	1
382	0	2239	1	4096	0	5953	0	7810	0	9667	0
383	1	2240	0	4097	0	5954	1	7811	0	9668	0
384	1	2241	0	4098	1	5955	1	7812	0	9669	1
385	1	2242	0	4099	0	5956	0	7813	1	9670	0
386	0	2243	0	4100	0	5957	0	7814	1	9671	1
387	1	2244	0	4101	1	5958	1	7815	0	9672	1
388	0	2245	0	4102	1	5959	0	7816	0	9673	0
389	0	2246	0	4103	1	5960	0	7817	1	9674	0
390	0	2247	0	4104	0	5961	0	7818	0	9675	1
391	0	2248	1	4105	1	5962	0	7819	1	9676	1
392	0	2249	1	4106	1	5963	0	7820	1	9677	1
393	0	2250	0	4107	0	5964	1	7821	0	9678	1
394	1	2251	1	4108	0	5965	0	7822	1	9679	1
395	0	2252	1	4109	1	5966	1	7823	0	9680	0
396	0	2253	0	4110	1	5967	0	7824	1	9681	0
397	0	2254	0	4111	1	5968	1	7825	0	9682	0
398	1	2255	1	4112	1	5969	1	7826	0	9683	1
399	1	2256	1	4113	1	5970	1	7827	0	9684	1
400	0	2257	0	4114	1	5971	0	7828	1	9685	1
401	1	2258	0	4115	0	5972	0	7829	1	9686	0
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403	1	2260	1	4117	1	5974	1	7831	1	9688	1
404	1	2261	0	4118	0	5975	0	7832	1	9689	1
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406	1	2263	1	4120	1	5977	0	7834	0	9691	1
407	0	2264	0	4121	0	5978	0	7835	0	9692	0
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412	0	2269	1	4126	0	5983	0	7840	1	9697	1
413	1	2270	1	4127	0	5984	1	7841	1	9698	1
414	1	2271	0	4128	0	5985	1	7842	1	9699	1
415	1	2272	1	4129	1	5986	0	7843	0	9700	0
416	0	2273	1	4130	0	5987	0	7844	1	9701	1
417	0	2274	1	4131	0	5988	0	7845	0	9702	1
418	0	2275	0	4132	1	5989	0	7846	1	9703	1
419	1	2276	0	4133	0	5990	0	7847	0	9704	1
420	0	2277	1	4134	1	5991	0	7848	1	9705	0
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422	0	2279	1	4136	1	5993	0	7850	0	9707	0
423	0	2280	1	4137	1	5994	0	7851	0	9708	0
424	0	2281	0	4138	1	5995	0	7852	1	9709	1
425	0	2282	0	4139	1	5996	0	7853	1	9710	1
426	1	2283	1	4140	1	5997	0	7854	0	9711	0
427	0	2284	1	4141	0	5998	1	7855	0	9712	1
428	1	2285	0	4142	0	5999	0	7856	0	9713	0
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431	0	2288	0	4145	1	6002	1	7859	1	9716	0
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433	1	2290	1	4147	1	6004	1	7861	1	9718	1
434	0	2291	0	4148	0	6005	1	7862	0	9719	0
435	1	2292	0	4149	1	6006	1	7863	0	9720	0
436	1	2293	1	4150	0	6007	1	7864	1	9721	0
437	1	2294	0	4151	0	6008	1	7865	1	9722	0
438	0	2295	1	4152	0	6009	1	7866	0	9723	0
439	0	2296	1	4153	1	6010	1	7867	0	9724	1
440	0	2297	1	4154	0	6011	0	7868	0	9725	0
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442	1	2299	1	4156	0	6013	1	7870	0	9727	0
443	0	2300	1	4157	0	6014	0	7871	0	9728	1
444	0	2301	0	4158	0	6015	0	7872	0	9729	1
445	1	2302	1	4159	0	6016	0	7873	1	9730	1
446	0	2303	1	4160	1	6017	1	7874	0	9731	0
447	1	2304	0	4161	1	6018	0	7875	1	9732	1
448	1	2305	1	4162	0	6019	0	7876	0	9733	0
449	1	2306	0	4163	1	6020	1	7877	1	9734	1
450	0	2307	1	4164	1	6021	0	7878	1	9735	1
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453	1	2310	1	4167	0	6024	0	7881	0	9738	1
454	1	2311	1	4168	0	6025	1	7882	1	9739	1

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457	1	2314	1	4171	1	6028	1	7885	0	9742	1
458	1	2315	1	4172	1	6029	1	7886	1	9743	1
459	0	2316	0	4173	0	6030	1	7887	0	9744	1
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463	0	2320	1	4177	0	6034	1	7891	1	9748	1
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465	0	2322	1	4179	0	6036	1	7893	1	9750	1
466	1	2323	0	4180	0	6037	1	7894	1	9751	1
467	1	2324	0	4181	0	6038	0	7895	0	9752	0
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469	0	2326	1	4183	1	6040	1	7897	1	9754	1
470	0	2327	1	4184	0	6041	1	7898	0	9755	0
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473	1	2330	1	4187	1	6044	1	7901	0	9758	1
474	0	2331	1	4188	0	6045	0	7902	1	9759	0
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476	1	2333	0	4190	1	6047	0	7904	0	9761	0
477	1	2334	0	4191	0	6048	0	7905	1	9762	0
478	1	2335	0	4192	1	6049	0	7906	0	9763	0
479	0	2336	1	4193	1	6050	0	7907	1	9764	0
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517	1	2374	1	4231	0	6088	1	7945	1	9802	0
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566	1	2423	0	4280	0	6137	1	7994	0	9851	1
567	1	2424	0	4281	0	6138	1	7995	0	9852	0
568	1	2425	0	4282	1	6139	1	7996	0	9853	1
569	0	2426	1	4283	1	6140	1	7997	1	9854	1
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573	0	2430	0	4287	1	6144	1	8001	1	9858	0
574	1	2431	0	4288	1	6145	1	8002	1	9859	0
575	1	2432	1	4289	0	6146	1	8003	0	9860	0
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578	0	2435	0	4292	0	6149	0	8006	0	9863	1
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580	1	2437	0	4294	1	6151	1	8008	1	9865	0
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582	1	2439	0	4296	0	6153	1	8010	1	9867	1
583	0	2440	1	4297	0	6154	0	8011	1	9868	0
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585	0	2442	0	4299	1	6156	0	8013	1	9870	1
586	1	2443	0	4300	1	6157	0	8014	1	9871	1

587	1	2444	1	4301	1	6158	1	8015	0	9872	1
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590	0	2447	0	4304	1	6161	1	8018	0	9875	1
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592	0	2449	1	4306	1	6163	0	8020	1	9877	1
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596	0	2453	0	4310	0	6167	0	8024	0	9881	0
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605	1	2462	1	4319	0	6176	1	8033	0	9890	0
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616	1	2473	1	4330	0	6187	0	8044	0	9901	0
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620	0	2477	0	4334	1	6191	0	8048	0	9905	0
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624	1	2481	0	4338	1	6195	1	8052	0	9909	0
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717	1	2574	0	4431	0	6288	1	8145	1	10002	1
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847	0	2704	1	4561	0	6418	1	8275	0	10132	0
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1362	0	3219	1	5076	0	6933	0	8790	0	10647	0
1363	1	3220	1	5077	0	6934	0	8791	1	10648	1
1364	0	3221	1	5078	1	6935	1	8792	0	10649	0
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1366	0	3223	0	5080	1	6937	0	8794	0	10651	1
1367	0	3224	1	5081	1	6938	0	8795	1	10652	0
1368	1	3225	0	5082	0	6939	0	8796	0	10653	0
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1371	0	3228	1	5085	1	6942	1	8799	1	10656	1
1372	1	3229	0	5086	0	6943	1	8800	1	10657	1
1373	1	3230	0	5087	0	6944	1	8801	0	10658	0
1374	0	3231	0	5088	0	6945	1	8802	0	10659	1
1375	1	3232	0	5089	0	6946	1	8803	0	10660	1
1376	1	3233	0	5090	1	6947	0	8804	1	10661	0
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1382	1	3239	1	5096	1	6953	1	8810	1	10667	0
1383	0	3240	0	5097	0	6954	0	8811	0	10668	0
1384	1	3241	1	5098	1	6955	0	8812	0	10669	0
1385	0	3242	0	5099	1	6956	1	8813	0	10670	1
1386	0	3243	1	5100	0	6957	1	8814	0	10671	0
1387	0	3244	0	5101	1	6958	1	8815	0	10672	0
1388	0	3245	0	5102	0	6959	0	8816	0	10673	1
1389	0	3246	0	5103	0	6960	1	8817	1	10674	1
1390	1	3247	1	5104	1	6961	0	8818	0	10675	0
1391	1	3248	0	5105	1	6962	1	8819	1	10676	0
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1393	0	3250	0	5107	0	6964	1	8821	1	10678	0
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1396	0	3253	0	5110	1	6967	1	8824	0	10681	1
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1399	1	3256	0	5113	0	6970	1	8827	0	10684	1
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1415	1	3272	0	5129	1	6986	0	8843	0	10700	0
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1462	1	3319	0	5176	0	7033	0	8890	0	10747	1
1463	0	3320	1	5177	0	7034	1	8891	0	10748	1
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1474	1	3331	1	5188	0	7045	1	8902	0	10759	0
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1621	1	3478	1	5335	1	7192	0	9049	0	10906	0
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