

# PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

$$(a, b) = (z^6 + z^5 + z^4 + z^3 + z^2, z + 1)$$

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ABSTRACT. The continued fraction conjecture claims that the continued fraction defined by the  $(a, b)$ -Thue-Morse sequence is algebraic over  $\mathbb{F}_2(x)$  for all pairs of distinct elements  $(a, b)$  in  $\mathbb{F}_2[x] \setminus \mathbb{F}_2$ . In this paper we prove the conjecture for  $(a, b) = (z^6 + z^5 + z^4 + z^3 + z^2, z + 1)$ .

## 1. INTRODUCTION

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

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

as the limit of the finite continued fractions

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

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

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

admits a continued fraction expansion of form (1.1).

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

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

that we shall denote

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

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*Date:* 9/04/2020 19:23:43 .

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

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

\* This paper was automatically generated from a computer program developed by the authors, with 8.0 hours CPU time used.

**Theorem 1.1.** *When  $(a, b) = (z^6 + z^5 + z^4 + z^3 + z^2, z + 1)$ , the two power series  $\text{CF}(a, b)$  and  $\text{CF}(b, a)$  are algebraic over  $\mathbb{F}_2(z)$ , with minimal polynomials of the form*

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

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

$$\begin{aligned} p_0(z) &= z^{21} + z^{19} + z^{17} + z^{16} + z^{15} + z^{13} + z^{12} + z^{10} + z^9 + z^8 + z^7 + z^4 + z^2 \\ &\quad + 1, \\ p_1(z) &= z^{27} + z^{26} + z^{23} + z^{21} + z^{20} + z^{12} + z^{10} + z^7 + z^3 + z^2, \\ p_2(z) &= z^{28} + z^{26} + z^{24} + z^{22} + z^{20} + z^{18} + z^{12} + z^{10} + z^6 + z^4, \\ p_3(z) &= z^{27} + z^{26} + z^{23} + z^{21} + z^{20} + z^{12} + z^{10} + z^7 + z^3 + z^2, \\ p_4(z) &= z^{26} + z^{22} + z^{21} + z^{19} + z^{18} + z^{17} + z^{15} + z^{13} + z^{12} + z^9 + z^8 + z^7 + z^6 \\ &\quad + z^4 + z^2, \end{aligned}$$

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

$$\begin{aligned} p_0(z) &= z^{24} + z^{21} + z^{20} + z^{19} + z^{17} + z^{15} + z^{13} + z^{10} + z^9 + z^7 + z^2, \\ p_1(z) &= z^{27} + z^{26} + z^{23} + z^{21} + z^{20} + z^{12} + z^{10} + z^7 + z^3 + z^2, \\ p_2(z) &= z^{28} + z^{26} + z^{24} + z^{22} + z^{20} + z^{18} + z^{12} + z^{10} + z^6 + z^4, \\ p_3(z) &= z^{27} + z^{26} + z^{23} + z^{21} + z^{20} + z^{12} + z^{10} + z^7 + z^3 + z^2, \\ p_4(z) &= z^{26} + z^{24} + z^{22} + z^{21} + z^{20} + z^{19} + z^{18} + z^{17} + z^{16} + z^{15} + z^{13} + z^9 \\ &\quad + z^7 + z^6 + z^2 + 1. \end{aligned}$$

## 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  $2 \times 2$  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  $\mu$ , and that  $Q(x, y) := S(x, y)/\phi(M^e, 0, 0)^\mu$  is not an annihilating polynomial of  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$ . To see the last point, we truncate  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$  to order 770 and substitute it for  $y$  in  $Q(x, y)$ . We get a series of valuation less than 770, and therefore  $Q(x, y)$  is not an annihilating polynomial of  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$ .

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

Define

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

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

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

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

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

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

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

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

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

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

$$0 = x^{13u}T[:u] + x^{10u}T[3u:4u] + x^{7u}T[6u:7u] + T[13u:14u],$$

which can be rewritten as

$$\begin{aligned}
(2.7) \quad 0 &= T[[w]_2] + T[[10w]_2] + T[[101w]_2] + T[[111w]_2], \\
(2.8) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1000w]_2], \\
(2.9) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1001w]_2], \\
(2.10) \quad 0 &= T[[1w]_2] + T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1010w]_2], \\
(2.11) \quad 0 &= T[[w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1011w]_2], \\
&0 = T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] \\
(2.12) \quad &+ T[[1100w]_2], \\
(2.13) \quad 0 &= T[[w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1101w]_2],
\end{aligned}$$

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

$$\begin{aligned}
(2.14) \quad 0 &= T[[w]_2] + T[[10w]_2] + T[[101w]_2] + T[[111w]_2], \\
(2.15) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1000w]_2], \\
(2.16) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1001w]_2], \\
(2.17) \quad 0 &= T[[1w]_2] + T[[10w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1010w]_2], \\
(2.18) \quad 0 &= T[[w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1011w]_2], \\
&0 = T[[1w]_2] + T[[10w]_2] + T[[100w]_2] + T[[101w]_2] + T[[110w]_2] \\
(2.19) \quad &+ T[[1100w]_2], \\
(2.20) \quad 0 &= T[[w]_2] + T[[11w]_2] + T[[110w]_2] + T[[1101w]_2],
\end{aligned}$$

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

First we calculate an 2-automaton that generates  $T$  from its minimal polynomial and its first terms. This automaton has 12289 states; its transition function and output function can be found in the annex. Let  $A(s, w)$  denote the state reached after reading  $w$  from right to left starting from the state  $s$ , and  $\tau$  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

$$\begin{aligned}
(2.21) \quad 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 111)), \\
&0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 110)) \\
(2.22) \quad &+ \tau(A(s, 1000)), \\
&0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\
(2.23) \quad &+ \tau(A(s, 1001)), \\
&0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\
(2.24) \quad &+ \tau(A(s, 1010)), \\
&0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\
(2.25) \quad &+ \tau(A(s, 1011)), \\
&0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101)) \\
(2.26) \quad &+ \tau(A(s, 110)) + \tau(A(s, 1100)),
\end{aligned}$$

$$(2.27) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 1101)),$$

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

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

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 110))$$

$$(2.29) \quad + \tau(A(s, 1000)),$$

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

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

$$0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 101)) + \tau(A(s, 110))$$

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

$$0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 101)) + \tau(A(s, 110))$$

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

$$0 = \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 100)) + \tau(A(s, 101))$$

$$(2.33) \quad + \tau(A(s, 110)) + \tau(A(s, 1100)),$$

$$(2.34) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 110)) + \tau(A(s, 1101)),$$

for  $s = A(i, 0^{2k})$ . We find that  $(A(i, 0^{78}), E_{78}) = (A(i, 0^{18}), E_{18})$ , so that we only have to verify that identities (2.21) through (2.34) hold for  $2 \leq k \leq 39$ , which turns out to be true.  $\square$

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

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

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

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

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

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

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

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

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

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

We give the proof of

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

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

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

Call this expression *lhs*. Note that both sides of identity  $M_{2k+1}$  have the same term of highest degree  $x^{14v}R^o$ . Therefore we only need to prove that their difference is

$O(x^{14v})$ . Using Lemma 2.1 it can be seen that the right side of identity  $M_{2k+1}$  is congruent, modulo  $x^{14v}$ , to

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

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

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{24} + x^{21} + x^{20} + x^{19} + x^{18} + x^{16} + x^{15} + x^{13} + x^{12} + x^{11} \\ &\quad + x^9 + x^7, \\ q_1(x) &= x^{26} + x^{25} + x^{21} + x^{18} + x^{16} + x^8 + x^7 + x^5 + x^2 + x, \\ q_2(x) &= x^{24} + x^{22} + x^{18} + x^{16} + x^{10} + x^8 + x^6 + x^4 + x^2 + 1, \\ q_3(x) &= x^{26} + x^{25} + x^{21} + x^{18} + x^{16} + x^8 + x^7 + x^5 + x^2 + x, \\ q_4(x) &= x^{26} + x^{24} + x^{22} + x^{21} + x^{20} + x^{19} + x^{16} + x^{15} + x^{13} + x^{11} + x^{10} + x^9 \end{aligned}$$

$$+ x^7 + x^6 + x^2.$$

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

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

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

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

$$p_0(x) = x^{147} + x^{143} + x^{141} + x^{140} + x^{138} + x^{136} + x^{134} + x^{133} + x^{132} + x^{131}$$

$$\begin{aligned}
& + x^{128} + x^{127} + x^{125} + x^{123} + x^{121} + x^{120} + x^{114} + x^{112} + x^{110} \\
& + x^{105} + x^{104} + x^{103} + x^{99} + x^{98} + x^{95} + x^{93} + x^{92} + x^{90} + x^{88} + x^{87} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{71} + x^{68} + x^{67} + x^{66} + x^{60} + x^{58} \\
& + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{51} + x^{48} + x^{45} + x^{44} + x^{42} + x^{41} \\
& + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{29} + x^{27}, \\
p_3(x) = & x^{143} + x^{142} + x^{137} + x^{135} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{120} \\
& + x^{119} + x^{117} + x^{114} + x^{111} + x^{106} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{89} + x^{88} + x^{85} + x^{84} \\
& + x^{82} + x^{80} + x^{79} + x^{77} + x^{74} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} \\
& + x^{60} + x^{55} + x^{52} + x^{48} + x^{47} + x^{46} + x^{45} + x^{41} + x^{40} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{25} + x^{24} + x^{21} \\
& + x^{20} + x^{18} + x^{16} + x^{14} + x^{13} + x^{10} + x^9, \\
p_6(x) = & x^{141} + x^{139} + x^{137} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{130} + x^{127} \\
& + x^{126} + x^{125} + x^{122} + x^{120} + x^{115} + x^{110} + x^{109} + x^{105} + x^{104} \\
& + x^{103} + x^{101} + x^{100} + x^{98} + x^{96} + x^{89} + x^{87} + x^{85} + x^{84} + x^{82} + x^{80} \\
& + x^{79} + x^{74} + x^{67} + x^{65} + x^{62} + x^{61} + x^{60} + x^{57} + x^{56} + x^{52} + x^{51} \\
& + x^{46} + x^{45} + x^{43} + x^{41} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} \\
& + x^{31} + x^{30} + x^{28} + x^{26} + x^{25} + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} \\
& + x^{12} + x^{11} + x^{10} + x^8 + x^6, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{133} + x^{131} + x^{130} + x^{129} + x^{126} + x^{125} \\
& + x^{117} + x^{116} + x^{113} + x^{112} + x^{111} + x^{109} + x^{107} + x^{103} + x^{100} \\
& + x^{99} + x^{98} + x^{97} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{75} \\
& + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{63} + x^{58} + x^{57} \\
& + x^{55} + x^{54} + x^{51} + x^{50} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{39} + x^{37} \\
& + x^{34} + x^{33} + x^{32} + x^{31} + x^{23} + x^{22} + x^{19} + x^{18} + x^{17} + x^{14} + x^{13} \\
& + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3, \\
p_{12}(x) = & x^{137} + x^{132} + x^{121} + x^{117} + x^{116} + x^{112} + x^{101} + x^{96} + x^{89} + x^{84} \\
& + x^{73} + x^{69} + x^{68} + x^{64} + x^{57} + x^{53} + x^{52} + x^{48} + x^{41} + x^{37} + x^{36} \\
& + x^{32} + x^{25} + x^{21} + x^{20} + x^{16} + x^5 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{143} + x^{141} + x^{140} + x^{138} + x^{136} + x^{134} + x^{133} + x^{132} + x^{131} \\
& + x^{128} + x^{127} + x^{125} + x^{123} + x^{121} + x^{120} + x^{114} + x^{112} + x^{110} \\
& + x^{105} + x^{104} + x^{103} + x^{99} + x^{98} + x^{95} + x^{93} + x^{92} + x^{90} + x^{88} + x^{87} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{71} + x^{68} + x^{67} + x^{66} + x^{60} + x^{58}
\end{aligned}$$

$$\begin{aligned}
& + x^{57} + x^{56} + x^{54} + x^{53} + x^{52} + x^{51} + x^{48} + x^{45} + x^{44} + x^{42} + x^{41} \\
& + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{29} + x^{27}, \\
p_3(x) = & x^{143} + x^{142} + x^{137} + x^{135} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{120} \\
& + x^{119} + x^{117} + x^{114} + x^{111} + x^{106} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{89} + x^{88} + x^{85} + x^{84} \\
& + x^{82} + x^{80} + x^{79} + x^{77} + x^{74} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} \\
& + x^{60} + x^{55} + x^{52} + x^{48} + x^{47} + x^{46} + x^{45} + x^{41} + x^{40} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{25} + x^{24} + x^{21} \\
& + x^{20} + x^{18} + x^{16} + x^{14} + x^{13} + x^{10} + x^9, \\
p_6(x) = & x^{141} + x^{139} + x^{137} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{130} + x^{127} \\
& + x^{126} + x^{125} + x^{122} + x^{120} + x^{115} + x^{110} + x^{109} + x^{105} + x^{104} \\
& + x^{103} + x^{101} + x^{100} + x^{98} + x^{96} + x^{89} + x^{87} + x^{85} + x^{84} + x^{82} + x^{80} \\
& + x^{79} + x^{74} + x^{67} + x^{65} + x^{62} + x^{61} + x^{60} + x^{57} + x^{56} + x^{52} + x^{51} \\
& + x^{46} + x^{45} + x^{43} + x^{41} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} \\
& + x^{31} + x^{30} + x^{28} + x^{26} + x^{25} + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} \\
& + x^{12} + x^{11} + x^{10} + x^8 + x^6, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{133} + x^{131} + x^{130} + x^{129} + x^{126} + x^{125} \\
& + x^{117} + x^{116} + x^{113} + x^{112} + x^{111} + x^{109} + x^{107} + x^{103} + x^{100} \\
& + x^{99} + x^{98} + x^{97} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{75} \\
& + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{63} + x^{58} + x^{57} \\
& + x^{55} + x^{54} + x^{51} + x^{50} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{39} + x^{37} \\
& + x^{34} + x^{33} + x^{32} + x^{31} + x^{23} + x^{22} + x^{19} + x^{18} + x^{17} + x^{14} + x^{13} \\
& + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3, \\
p_{12}(x) = & x^{137} + x^{132} + x^{121} + x^{117} + x^{116} + x^{112} + x^{101} + x^{96} + x^{89} + x^{84} \\
& + x^{73} + x^{69} + x^{68} + x^{64} + x^{57} + x^{53} + x^{52} + x^{48} + x^{41} + x^{37} + x^{36} \\
& + x^{32} + x^{25} + x^{21} + x^{20} + x^{16} + x^5 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{162} + x^{160} + x^{158} + x^{156} + x^{154} + x^{152} + x^{148} + x^{146} + x^{144} + x^{142} \\
& + x^{138} + x^{134} + x^{122} + x^{120} + x^{118} + x^{116} + x^{106} + x^{104} + x^{102} \\
& + x^{100} + x^{94} + x^{80} + x^{78} + x^{74} + x^{72} + x^{68} + x^{64} + x^{62} + x^{60} + x^{56} \\
& + x^{50} + x^{48} + x^{46} + x^{44} + x^{42}, \\
p_3(x) = & x^{150} + x^{144} + x^{140} + x^{118} + x^{116} + x^{112} + x^{106} + x^{104} + x^{102} + x^{100} \\
& + x^{98} + x^{96} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{74} + x^{70} + x^{68} \\
& + x^{60} + x^{52} + x^{46} + x^{42} + x^{36} + x^{34} + x^{32} + x^{30} + x^{28} + x^{24} + x^{20}
\end{aligned}$$

$$\begin{aligned}
& + x^{16} + x^{14} + x^8 + x^6, \\
p_6(x) &= x^{150} + x^{146} + x^{142} + x^{138} + x^{136} + x^{134} + x^{132} + x^{130} + x^{128} + x^{118} \\
& + x^{116} + x^{110} + x^{106} + x^{90} + x^{88} + x^{84} + x^{80} + x^{74} + x^{64} + x^{60} + x^{58} \\
& + x^{54} + x^{52} + x^{50} + x^{44} + x^{42} + x^{40} + x^{34} + x^{32} + x^{30} + x^{28} + x^{26} \\
& + x^{24} + x^{18} + x^{12} + x^8 + x^6 + 1, \\
p_9(x) &= x^{146} + x^{144} + x^{142} + x^{138} + x^{134} + x^{130} + x^{118} + x^{112} + x^{108} + x^{96} \\
& + x^{92} + x^{90} + x^{84} + x^{78} + x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} \\
& + x^{58} + x^{52} + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} + x^{38} + x^{34} + x^{32} + x^{24} \\
& + x^{22} + x^{10} + x^4 + x^2, \\
p_{12}(x) &= x^{146} + x^{144} + x^{138} + x^{136} + x^{106} + x^{104} + x^{90} + x^{88} + x^{66} + x^{64} \\
& + x^{50} + x^{48} + x^{34} + x^{32} + x^{10} + x^8 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{162} + x^{160} + x^{158} + x^{156} + x^{150} + x^{146} + x^{144} + x^{142} + x^{138} + x^{134} \\
& + x^{132} + x^{124} + x^{122} + x^{116} + x^{108} + x^{104} + x^{94} + x^{90} + x^{86} + x^{78} \\
& + x^{76} + x^{74} + x^{68} + x^{64} + x^{58} + x^{56} + x^{54} + x^{52} + x^{50} + x^{48} + x^{44} \\
& + x^{36} + x^{30} + x^{28} + x^{20} + x^{18} + x^{16} + x^{14} + x^{12}, \\
p_3(x) &= x^{150} + x^{144} + x^{142} + x^{140} + x^{138} + x^{134} + x^{132} + x^{130} + x^{126} + x^{122} \\
& + x^{116} + x^{112} + x^{108} + x^{106} + x^{102} + x^{100} + x^{98} + x^{96} + x^{92} + x^{88} \\
& + x^{86} + x^{84} + x^{80} + x^{76} + x^{74} + x^{68} + x^{62} + x^{54} + x^{52} + x^{50} + x^{48} \\
& + x^{46} + x^{44} + x^{38} + x^{36} + x^{34} + x^{28} + x^{24} + x^{20} + x^{18} + x^{10} + x^8, \\
p_6(x) &= x^{150} + x^{146} + x^{138} + x^{134} + x^{132} + x^{130} + x^{124} + x^{120} + x^{116} + x^{114} \\
& + x^{112} + x^{110} + x^{108} + x^{106} + x^{104} + x^{92} + x^{88} + x^{86} + x^{76} + x^{74} \\
& + x^{70} + x^{64} + x^{60} + x^{56} + x^{52} + x^{50} + x^{40} + x^{36} + x^{34} + x^{30} + x^{18} \\
& + x^6 + x^4 + 1, \\
p_9(x) &= x^{146} + x^{144} + x^{142} + x^{138} + x^{134} + x^{130} + x^{118} + x^{112} + x^{108} + x^{96} \\
& + x^{92} + x^{90} + x^{84} + x^{78} + x^{74} + x^{72} + x^{70} + x^{68} + x^{66} + x^{64} + x^{62} \\
& + x^{58} + x^{52} + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} + x^{38} + x^{34} + x^{32} + x^{24} \\
& + x^{22} + x^{10} + x^4 + x^2, \\
p_{12}(x) &= x^{146} + x^{144} + x^{138} + x^{136} + x^{106} + x^{104} + x^{90} + x^{88} + x^{66} + x^{64} \\
& + x^{50} + x^{48} + x^{34} + x^{32} + x^{10} + x^8 + x^2 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{139} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} \\
& + x^{125} + x^{124} + x^{123} + x^{122} + x^{121} + x^{118} + x^{116} + x^{115} + x^{110}
\end{aligned}$$

$$\begin{aligned}
& + x^{109} + x^{107} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} \\
& + x^{96} + x^{95} + x^{93} + x^{91} + x^{90} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79} \\
& + x^{78} + x^{77} + x^{70} + x^{62} + x^{61} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} \\
& + x^{47} + x^{46} + x^{43} + x^{41} + x^{39} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} \\
& + x^{30} + x^{27} + x^{26} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_3(x) = & x^{143} + x^{142} + x^{137} + x^{135} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{120} \\
& + x^{119} + x^{117} + x^{114} + x^{111} + x^{106} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{89} + x^{88} + x^{85} + x^{84} \\
& + x^{82} + x^{80} + x^{79} + x^{77} + x^{74} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} \\
& + x^{60} + x^{55} + x^{52} + x^{48} + x^{47} + x^{46} + x^{45} + x^{41} + x^{40} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{25} + x^{24} + x^{21} \\
& + x^{20} + x^{18} + x^{16} + x^{14} + x^{13} + x^{10} + x^9, \\
p_6(x) = & x^{141} + x^{139} + x^{137} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{130} + x^{127} \\
& + x^{126} + x^{125} + x^{122} + x^{120} + x^{115} + x^{110} + x^{109} + x^{105} + x^{104} \\
& + x^{103} + x^{101} + x^{100} + x^{98} + x^{96} + x^{89} + x^{87} + x^{85} + x^{84} + x^{82} + x^{80} \\
& + x^{79} + x^{74} + x^{67} + x^{65} + x^{62} + x^{61} + x^{60} + x^{57} + x^{56} + x^{52} + x^{51} \\
& + x^{46} + x^{45} + x^{43} + x^{41} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} \\
& + x^{31} + x^{30} + x^{28} + x^{26} + x^{25} + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} \\
& + x^{12} + x^{11} + x^{10} + x^8 + x^6, \\
p_9(x) = & x^{139} + x^{138} + x^{137} + x^{136} + x^{133} + x^{131} + x^{130} + x^{129} + x^{126} + x^{125} \\
& + x^{117} + x^{116} + x^{113} + x^{112} + x^{111} + x^{109} + x^{107} + x^{103} + x^{100} \\
& + x^{99} + x^{98} + x^{97} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{75} \\
& + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{63} + x^{58} + x^{57} \\
& + x^{55} + x^{54} + x^{51} + x^{50} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{39} + x^{37} \\
& + x^{34} + x^{33} + x^{32} + x^{31} + x^{23} + x^{22} + x^{19} + x^{18} + x^{17} + x^{14} + x^{13} \\
& + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3, \\
p_{12}(x) = & x^{137} + x^{132} + x^{121} + x^{117} + x^{116} + x^{112} + x^{101} + x^{96} + x^{89} + x^{84} \\
& + x^{73} + x^{69} + x^{68} + x^{64} + x^{57} + x^{53} + x^{52} + x^{48} + x^{41} + x^{37} + x^{36} \\
& + x^{32} + x^{25} + x^{21} + x^{20} + x^{16} + x^5 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{143} + x^{139} + x^{136} + x^{135} + x^{134} + x^{133} + x^{131} + x^{130} \\
& + x^{125} + x^{124} + x^{123} + x^{122} + x^{121} + x^{118} + x^{116} + x^{115} + x^{110} \\
& + x^{109} + x^{107} + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} \\
& + x^{96} + x^{95} + x^{93} + x^{91} + x^{90} + x^{84} + x^{83} + x^{82} + x^{81} + x^{80} + x^{79}
\end{aligned}$$

$$\begin{aligned}
& + x^{78} + x^{77} + x^{70} + x^{62} + x^{61} + x^{57} + x^{54} + x^{52} + x^{51} + x^{50} + x^{48} \\
& + x^{47} + x^{46} + x^{43} + x^{41} + x^{39} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} \\
& + x^{30} + x^{27} + x^{26} + x^{22} + x^{21} + x^{20} + x^{18}, \\
p_3(x) &= x^{143} + x^{142} + x^{137} + x^{135} + x^{130} + x^{128} + x^{125} + x^{124} + x^{122} + x^{120} \\
& + x^{119} + x^{117} + x^{114} + x^{111} + x^{106} + x^{104} + x^{103} + x^{102} + x^{101} \\
& + x^{100} + x^{98} + x^{97} + x^{96} + x^{95} + x^{94} + x^{93} + x^{89} + x^{88} + x^{85} + x^{84} \\
& + x^{82} + x^{80} + x^{79} + x^{77} + x^{74} + x^{70} + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} \\
& + x^{60} + x^{55} + x^{52} + x^{48} + x^{47} + x^{46} + x^{45} + x^{41} + x^{40} + x^{39} + x^{38} \\
& + x^{37} + x^{36} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{25} + x^{24} + x^{21} \\
& + x^{20} + x^{18} + x^{16} + x^{14} + x^{13} + x^{10} + x^9, \\
p_6(x) &= x^{141} + x^{139} + x^{137} + x^{136} + x^{135} + x^{134} + x^{132} + x^{131} + x^{130} + x^{127} \\
& + x^{126} + x^{125} + x^{122} + x^{120} + x^{115} + x^{110} + x^{109} + x^{105} + x^{104} \\
& + x^{103} + x^{101} + x^{100} + x^{98} + x^{96} + x^{89} + x^{87} + x^{85} + x^{84} + x^{82} + x^{80} \\
& + x^{79} + x^{74} + x^{67} + x^{65} + x^{62} + x^{61} + x^{60} + x^{57} + x^{56} + x^{52} + x^{51} \\
& + x^{46} + x^{45} + x^{43} + x^{41} + x^{40} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} \\
& + x^{31} + x^{30} + x^{28} + x^{26} + x^{25} + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} \\
& + x^{12} + x^{11} + x^{10} + x^8 + x^6, \\
p_9(x) &= x^{139} + x^{138} + x^{137} + x^{136} + x^{133} + x^{131} + x^{130} + x^{129} + x^{126} + x^{125} \\
& + x^{117} + x^{116} + x^{113} + x^{112} + x^{111} + x^{109} + x^{107} + x^{103} + x^{100} \\
& + x^{99} + x^{98} + x^{97} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} + x^{75} \\
& + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{63} + x^{58} + x^{57} \\
& + x^{55} + x^{54} + x^{51} + x^{50} + x^{48} + x^{46} + x^{44} + x^{42} + x^{40} + x^{39} + x^{37} \\
& + x^{34} + x^{33} + x^{32} + x^{31} + x^{23} + x^{22} + x^{19} + x^{18} + x^{17} + x^{14} + x^{13} \\
& + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3, \\
p_{12}(x) &= x^{137} + x^{132} + x^{121} + x^{117} + x^{116} + x^{112} + x^{101} + x^{96} + x^{89} + x^{84} \\
& + x^{73} + x^{69} + x^{68} + x^{64} + x^{57} + x^{53} + x^{52} + x^{48} + x^{41} + x^{37} + x^{36} \\
& + x^{32} + x^{25} + x^{21} + x^{20} + x^{16} + x^5 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{132} + x^{130} + x^{128} + x^{126} + x^{118} + x^{104} + x^{102} + x^{92} + x^{90} + x^{88} \\
& + x^{80} + x^{78} + x^{74} + x^{72} + x^{68} + x^{66} + x^{64} + x^{54} + x^{52} + x^{50} + x^{44} \\
& + x^{42} + x^{38} + x^{36} + x^{28} + x^{26} + x^{24}, \\
p_3(x) &= x^{126} + x^{124} + x^{122} + x^{120} + x^{116} + x^{108} + x^{104} + x^{98} + x^{96} + x^{94} \\
& + x^{92} + x^{88} + x^{86} + x^{84} + x^{82} + x^{78} + x^{72} + x^{70} + x^{62} + x^{60} + x^{58} \\
& + x^{54} + x^{52} + x^{50} + x^{46} + x^{44} + x^{40} + x^{36} + x^{34} + x^{32} + x^{30} + x^{28}
\end{aligned}$$

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

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{141} + x^{140} + x^{138} + x^{136} + x^{135} + x^{132} + x^{131} + x^{130} + x^{129} \\
& + x^{124} + x^{120} + x^{117} + x^{115} + x^{114} + x^{113} + x^{111} + x^{108} + x^{103} \\
& + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{96} + x^{95} + x^{90} + x^{89} + x^{88} + x^{85} \\
& + x^{81} + x^{79} + x^{78} + x^{71} + x^{70} + x^{69} + x^{68} + x^{65} + x^{59} + x^{58} + x^{56} \\
& + x^{55} + x^{54} + x^{52} + x^{46} + x^{44} + x^{43} + x^{42} + x^{41} + x^{39} + x^{38} + x^{34} \\
& + x^{32} + x^{30} + x^{29} + x^{28} + x^{27} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12}, \\
p_3(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{139} + x^{134} + x^{133} + x^{132} + x^{130} + x^{129} \\
& + x^{128} + x^{125} + x^{123} + x^{122} + x^{116} + x^{115} + x^{113} + x^{112} + x^{110} \\
& + x^{106} + x^{105} + x^{101} + x^{99} + x^{97} + x^{96} + x^{92} + x^{91} + x^{86} + x^{85} + x^{84} \\
& + x^{83} + x^{82} + x^{79} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} \\
& + x^{67} + x^{66} + x^{62} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} + x^{48} + x^{47} \\
& + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{37} + x^{35} + x^{32} + x^{29} + x^{27} + x^{24} \\
& + x^{23} + x^{22} + x^{21} + x^{20} + x^{17} + x^{14} + x^{13} + x^{10} + x^8, \\
p_6(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{139} + x^{135} + x^{134} + x^{133} + x^{132} + x^{130} \\
& + x^{127} + x^{126} + x^{124} + x^{123} + x^{122} + x^{121} + x^{118} + x^{116} + x^{115} \\
& + x^{114} + x^{112} + x^{111} + x^{107} + x^{105} + x^{103} + x^{102} + x^{97} + x^{95} + x^{93} \\
& + x^{92} + x^{91} + x^{88} + x^{84} + x^{82} + x^{81} + x^{79} + x^{75} + x^{74} + x^{73} + x^{71} \\
& + x^{68} + x^{67} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} \\
& + x^{54} + x^{52} + x^{49} + x^{48} + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{41} + x^{39} \\
& + x^{37} + x^{33} + x^{31} + x^{29} + x^{26} + x^{24} + x^{23} + x^{21} + x^{19} + x^{18} + x^{17}
\end{aligned}$$

$$\begin{aligned}
& + x^{13} + x^{10} + x^9 + x^6 + x^5 + x^4 + 1, \\
p_9(x) &= x^{145} + x^{141} + x^{140} + x^{137} + x^{136} + x^{133} + x^{132} + x^{128} + x^{117} + x^{113} \\
& + x^{112} + x^{109} + x^{108} + x^{105} + x^{104} + x^{100} + x^{97} + x^{93} + x^{92} + x^{89} \\
& + x^{88} + x^{85} + x^{84} + x^{80} + x^{69} + x^{64} + x^{53} + x^{48} + x^{37} + x^{32} + x^{21} \\
& + x^{17} + x^{16} + x^{13} + x^{12} + x^9 + x^8 + x^4, \\
p_{12}(x) &= x^{145} + x^{141} + x^{140} + x^{136} + x^{133} + x^{128} + x^{121} + x^{116} + x^{113} + x^{109} \\
& + x^{108} + x^{105} + x^{104} + x^{101} + x^{100} + x^{97} + x^{96} + x^{93} + x^{92} + x^{88} \\
& + x^{85} + x^{80} + x^{73} + x^{68} + x^{57} + x^{52} + x^{41} + x^{36} + x^{25} + x^{20} + x^{17} \\
& + x^{13} + x^{12} + x^9 + x^8 + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{164} + x^{160} + x^{156} + x^{154} + x^{153} + x^{152} + x^{149} + x^{147} + x^{146} + x^{145} \\
& + x^{143} + x^{141} + x^{139} + x^{137} + x^{133} + x^{130} + x^{129} + x^{127} + x^{126} \\
& + x^{123} + x^{119} + x^{118} + x^{115} + x^{114} + x^{110} + x^{109} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{99} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{89} + x^{88} + x^{83} \\
& + x^{80} + x^{79} + x^{78} + x^{74} + x^{71} + x^{70} + x^{66} + x^{60} + x^{55} + x^{53} + x^{51} \\
& + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{42} + x^{39} + x^{36} + x^{34} + x^{27}, \\
p_3(x) &= x^{150} + x^{149} + x^{148} + x^{147} + x^{145} + x^{144} + x^{142} + x^{140} + x^{137} + x^{132} \\
& + x^{131} + x^{125} + x^{124} + x^{120} + x^{119} + x^{115} + x^{114} + x^{110} + x^{109} \\
& + x^{105} + x^{104} + x^{100} + x^{99} + x^{95} + x^{94} + x^{90} + x^{89} + x^{85} + x^{84} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{70} + x^{67} + x^{65} + x^{61} \\
& + x^{59} + x^{56} + x^{55} + x^{54} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} \\
& + x^{40} + x^{36} + x^{35} + x^{31} + x^{30} + x^{26} + x^{25} + x^{22} + x^{19} + x^{17} + x^{15} \\
& + x^{14} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) &= x^{152} + x^{150} + x^{142} + x^{136} + x^{130} + x^{128} + x^{126} + x^{124} + x^{118} + x^{112} \\
& + x^{108} + x^{106} + x^{104} + x^{102} + x^{100} + x^{96} + x^{94} + x^{80} + x^{76} + x^{70} \\
& + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} + x^{52} + x^{50} + x^{44} + x^{40} + x^{36} \\
& + x^{34} + x^{30} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{14} + x^8 + x^6, \\
p_9(x) &= x^{154} + x^{153} + x^{149} + x^{148} + x^{147} + x^{145} + x^{142} + x^{138} + x^{135} + x^{134} \\
& + x^{133} + x^{131} + x^{129} + x^{127} + x^{126} + x^{124} + x^{122} + x^{120} + x^{119} \\
& + x^{118} + x^{115} + x^{111} + x^{108} + x^{104} + x^{101} + x^{97} + x^{94} + x^{90} + x^{87} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{79} + x^{78} + x^{76} + x^{73} + x^{72} + x^{71} + x^{70} \\
& + x^{69} + x^{68} + x^{65} + x^{63} + x^{62} + x^{60} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
& + x^{52} + x^{49} + x^{47} + x^{46} + x^{44} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} \\
& + x^{33} + x^{31} + x^{30} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{19} + x^{15} + x^{12}
\end{aligned}$$

$$\begin{aligned}
& + x^{10} + x^9 + x^8 + x^4 + x^3, \\
p_{12}(x) = & x^{156} + x^{144} + x^{140} + x^{120} + x^{108} + x^{104} + x^{92} + x^{76} + x^{72} + x^{64} \\
& + x^{60} + x^{56} + x^{48} + x^{44} + x^{40} + x^{32} + x^{24} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{140} + x^{138} + x^{136} + x^{134} + x^{133} + x^{132} + x^{130} + x^{128} + x^{127} + x^{126} \\
& + x^{120} + x^{119} + x^{116} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} \\
& + x^{103} + x^{99} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{86} \\
& + x^{84} + x^{80} + x^{78} + x^{77} + x^{76} + x^{75} + x^{72} + x^{67} + x^{65} + x^{64} + x^{62} \\
& + x^{61} + x^{58} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} + x^{43} + x^{41} + x^{39} \\
& + x^{38} + x^{36} + x^{33} + x^{30} + x^{28} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} + x^{18}, \\
p_3(x) = & x^{138} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{129} + x^{127} + x^{124} + x^{122} \\
& + x^{119} + x^{118} + x^{116} + x^{115} + x^{112} + x^{111} + x^{109} + x^{108} + x^{105} \\
& + x^{103} + x^{100} + x^{97} + x^{96} + x^{94} + x^{93} + x^{91} + x^{90} + x^{87} + x^{84} + x^{82} \\
& + x^{79} + x^{78} + x^{76} + x^{75} + x^{72} + x^{71} + x^{69} + x^{68} + x^{66} + x^{64} + x^{61} \\
& + x^{58} + x^{57} + x^{54} + x^{51} + x^{50} + x^{48} + x^{46} + x^{45} + x^{43} + x^{42} + x^{39} \\
& + x^{36} + x^{33} + x^{32} + x^{30} + x^{29} + x^{27} + x^{26} + x^{23} + x^{20} + x^{18} + x^{15} \\
& + x^{14} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) = & x^{140} + x^{138} + x^{132} + x^{124} + x^{122} + x^{120} + x^{114} + x^{110} + x^{108} + x^{102} \\
& + x^{98} + x^{96} + x^{88} + x^{86} + x^{82} + x^{80} + x^{78} + x^{74} + x^{66} + x^{64} + x^{62} \\
& + x^{52} + x^{50} + x^{46} + x^{44} + x^{42} + x^{36} + x^{32} + x^{28} + x^{26} + x^{24} + x^{20} \\
& + x^{18} + x^{16} + x^8 + x^6, \\
p_9(x) = & x^{142} + x^{141} + x^{137} + x^{136} + x^{135} + x^{134} + x^{130} + x^{129} + x^{128} + x^{127} \\
& + x^{126} + x^{125} + x^{123} + x^{122} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} \\
& + x^{113} + x^{112} + x^{111} + x^{107} + x^{106} + x^{105} + x^{104} + x^{100} + x^{99} + x^{94} \\
& + x^{93} + x^{89} + x^{88} + x^{87} + x^{86} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} \\
& + x^{75} + x^{74} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} \\
& + x^{61} + x^{59} + x^{58} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{45} + x^{43} + x^{42} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} \\
& + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{23} + x^{22} + x^{20} + x^{19} + x^{18} + x^{17} \\
& + x^{16} + x^{15} + x^{11} + x^{10} + x^9 + x^8 + x^4 + x^3, \\
p_{12}(x) = & x^{144} + x^{136} + x^{132} + x^{128} + x^{120} + x^{116} + x^{112} + x^{88} + x^{84} + x^{80} \\
& + x^{72} + x^{68} + x^{56} + x^{52} + x^{40} + x^{36} + x^{24} + x^{20} + x^{16} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{141} + x^{137} + x^{132} + x^{128} + x^{127} + x^{124} + x^{121} + x^{119} \\
&\quad + x^{117} + x^{115} + x^{112} + x^{111} + x^{109} + x^{107} + x^{105} + x^{104} + x^{102} \\
&\quad + x^{100} + x^{99} + x^{95} + x^{93} + x^{92} + x^{88} + x^{87} + x^{85} + x^{84} + x^{82} + x^{81} \\
&\quad + x^{80} + x^{79} + x^{75} + x^{72} + x^{71} + x^{67} + x^{65} + x^{64} + x^{62} + x^{60} + x^{57} \\
&\quad + x^{56} + x^{53} + x^{47} + x^{42} + x^{41} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{145} + x^{143} + x^{140} + x^{136} + x^{135} + x^{132} + x^{129} + x^{127} + x^{121} + x^{120} \\
&\quad + x^{119} + x^{118} + x^{114} + x^{113} + x^{112} + x^{111} + x^{109} + x^{105} + x^{104} \\
&\quad + x^{103} + x^{101} + x^{99} + x^{98} + x^{96} + x^{91} + x^{87} + x^{86} + x^{84} + x^{81} + x^{80} \\
&\quad + x^{78} + x^{73} + x^{72} + x^{69} + x^{59} + x^{56} + x^{55} + x^{49} + x^{47} + x^{46} + x^{45} \\
&\quad + x^{44} + x^{42} + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} + x^{29} \\
&\quad + x^{28} + x^{27} + x^{24} + x^{22} + x^{20} + x^{19} + x^{18} + x^{16} + x^{15} + x^{12}, \\
p_6(x) &= x^{145} + x^{143} + x^{140} + x^{136} + x^{133} + x^{132} + x^{131} + x^{129} + x^{123} + x^{121} \\
&\quad + x^{118} + x^{117} + x^{116} + x^{114} + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} \\
&\quad + x^{107} + x^{105} + x^{104} + x^{102} + x^{101} + x^{98} + x^{97} + x^{96} + x^{95} + x^{92} \\
&\quad + x^{91} + x^{89} + x^{87} + x^{85} + x^{81} + x^{80} + x^{75} + x^{71} + x^{69} + x^{65} + x^{63} \\
&\quad + x^{60} + x^{59} + x^{57} + x^{54} + x^{52} + x^{51} + x^{48} + x^{42} + x^{40} + x^{38} + x^{36} \\
&\quad + x^{35} + x^{34} + x^{33} + x^{32} + x^{30} + x^{29} + x^{24} + x^{23} + x^{21} + x^{18} + x^{15} \\
&\quad + x^{14} + x^{12} + x^{11} + x^8 + x^5 + 1, \\
p_9(x) &= x^{145} + x^{141} + x^{140} + x^{137} + x^{136} + x^{133} + x^{132} + x^{128} + x^{117} + x^{113} \\
&\quad + x^{112} + x^{109} + x^{108} + x^{105} + x^{104} + x^{100} + x^{97} + x^{93} + x^{92} + x^{89} \\
&\quad + x^{88} + x^{85} + x^{84} + x^{80} + x^{69} + x^{64} + x^{53} + x^{48} + x^{37} + x^{32} + x^{21} \\
&\quad + x^{17} + x^{16} + x^{13} + x^{12} + x^9 + x^8 + x^4, \\
p_{12}(x) &= x^{145} + x^{141} + x^{140} + x^{136} + x^{133} + x^{128} + x^{121} + x^{116} + x^{113} + x^{109} \\
&\quad + x^{108} + x^{105} + x^{104} + x^{101} + x^{100} + x^{97} + x^{96} + x^{93} + x^{92} + x^{88} \\
&\quad + x^{85} + x^{80} + x^{73} + x^{68} + x^{57} + x^{52} + x^{41} + x^{36} + x^{25} + x^{20} + x^{17} \\
&\quad + x^{13} + x^{12} + x^9 + x^8 + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{147} + x^{141} + x^{140} + x^{138} + x^{136} + x^{135} + x^{132} + x^{131} + x^{130} + x^{129} \\
&\quad + x^{124} + x^{120} + x^{117} + x^{115} + x^{114} + x^{113} + x^{111} + x^{108} + x^{103} \\
&\quad + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{96} + x^{95} + x^{90} + x^{89} + x^{88} + x^{85} \\
&\quad + x^{81} + x^{79} + x^{78} + x^{71} + x^{70} + x^{69} + x^{68} + x^{65} + x^{59} + x^{58} + x^{56} \\
&\quad + x^{55} + x^{54} + x^{52} + x^{46} + x^{44} + x^{43} + x^{42} + x^{41} + x^{39} + x^{38} + x^{34} \\
&\quad + x^{32} + x^{30} + x^{29} + x^{28} + x^{27} + x^{20} + x^{18} + x^{17} + x^{16} + x^{14} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_3(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{139} + x^{134} + x^{133} + x^{132} + x^{130} + x^{129} \\
&\quad + x^{128} + x^{125} + x^{123} + x^{122} + x^{116} + x^{115} + x^{113} + x^{112} + x^{110} \\
&\quad + x^{106} + x^{105} + x^{101} + x^{99} + x^{97} + x^{96} + x^{92} + x^{91} + x^{86} + x^{85} + x^{84} \\
&\quad + x^{83} + x^{82} + x^{79} + x^{76} + x^{75} + x^{74} + x^{73} + x^{72} + x^{71} + x^{70} + x^{69} \\
&\quad + x^{67} + x^{66} + x^{62} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} + x^{48} + x^{47} \\
&\quad + x^{46} + x^{45} + x^{42} + x^{41} + x^{40} + x^{37} + x^{35} + x^{32} + x^{29} + x^{27} + x^{24} \\
&\quad + x^{23} + x^{22} + x^{21} + x^{20} + x^{17} + x^{14} + x^{13} + x^{10} + x^8, \\
p_6(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{139} + x^{135} + x^{134} + x^{133} + x^{132} + x^{130} \\
&\quad + x^{127} + x^{126} + x^{124} + x^{123} + x^{122} + x^{121} + x^{118} + x^{116} + x^{115} \\
&\quad + x^{114} + x^{112} + x^{111} + x^{107} + x^{105} + x^{103} + x^{102} + x^{97} + x^{95} + x^{93} \\
&\quad + x^{92} + x^{91} + x^{88} + x^{84} + x^{82} + x^{81} + x^{79} + x^{75} + x^{74} + x^{73} + x^{71} \\
&\quad + x^{68} + x^{67} + x^{65} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{59} + x^{57} + x^{56} \\
&\quad + x^{54} + x^{52} + x^{49} + x^{48} + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{41} + x^{39} \\
&\quad + x^{37} + x^{33} + x^{31} + x^{29} + x^{26} + x^{24} + x^{23} + x^{21} + x^{19} + x^{18} + x^{17} \\
&\quad + x^{13} + x^{10} + x^9 + x^6 + x^5 + x^4 + 1, \\
p_9(x) &= x^{145} + x^{141} + x^{140} + x^{137} + x^{136} + x^{133} + x^{132} + x^{128} + x^{117} + x^{113} \\
&\quad + x^{112} + x^{109} + x^{108} + x^{105} + x^{104} + x^{100} + x^{97} + x^{93} + x^{92} + x^{89} \\
&\quad + x^{88} + x^{85} + x^{84} + x^{80} + x^{69} + x^{64} + x^{53} + x^{48} + x^{37} + x^{32} + x^{21} \\
&\quad + x^{17} + x^{16} + x^{13} + x^{12} + x^9 + x^8 + x^4, \\
p_{12}(x) &= x^{145} + x^{141} + x^{140} + x^{136} + x^{133} + x^{128} + x^{121} + x^{116} + x^{113} + x^{109} \\
&\quad + x^{108} + x^{105} + x^{104} + x^{101} + x^{100} + x^{97} + x^{96} + x^{93} + x^{92} + x^{88} \\
&\quad + x^{85} + x^{80} + x^{73} + x^{68} + x^{57} + x^{52} + x^{41} + x^{36} + x^{25} + x^{20} + x^{17} \\
&\quad + x^{13} + x^{12} + x^9 + x^8 + x^5 + x^4 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{140} + x^{138} + x^{136} + x^{134} + x^{133} + x^{132} + x^{130} + x^{128} + x^{127} + x^{126} \\
&\quad + x^{120} + x^{119} + x^{116} + x^{113} + x^{112} + x^{111} + x^{110} + x^{109} + x^{108} \\
&\quad + x^{103} + x^{99} + x^{98} + x^{97} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{86} \\
&\quad + x^{84} + x^{80} + x^{78} + x^{77} + x^{76} + x^{75} + x^{72} + x^{67} + x^{65} + x^{64} + x^{62} \\
&\quad + x^{61} + x^{58} + x^{53} + x^{52} + x^{51} + x^{49} + x^{48} + x^{47} + x^{43} + x^{41} + x^{39} \\
&\quad + x^{38} + x^{36} + x^{33} + x^{30} + x^{28} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} + x^{18}, \\
p_3(x) &= x^{138} + x^{137} + x^{136} + x^{135} + x^{133} + x^{132} + x^{129} + x^{127} + x^{124} + x^{122} \\
&\quad + x^{119} + x^{118} + x^{116} + x^{115} + x^{112} + x^{111} + x^{109} + x^{108} + x^{105} \\
&\quad + x^{103} + x^{100} + x^{97} + x^{96} + x^{94} + x^{93} + x^{91} + x^{90} + x^{87} + x^{84} + x^{82} \\
&\quad + x^{79} + x^{78} + x^{76} + x^{75} + x^{72} + x^{71} + x^{69} + x^{68} + x^{66} + x^{64} + x^{61}
\end{aligned}$$

$$\begin{aligned}
& + x^{58} + x^{57} + x^{54} + x^{51} + x^{50} + x^{48} + x^{46} + x^{45} + x^{43} + x^{42} + x^{39} \\
& + x^{36} + x^{33} + x^{32} + x^{30} + x^{29} + x^{27} + x^{26} + x^{23} + x^{20} + x^{18} + x^{15} \\
& + x^{14} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) &= x^{140} + x^{138} + x^{132} + x^{124} + x^{122} + x^{120} + x^{114} + x^{110} + x^{108} + x^{102} \\
& + x^{98} + x^{96} + x^{88} + x^{86} + x^{82} + x^{80} + x^{78} + x^{74} + x^{66} + x^{64} + x^{62} \\
& + x^{52} + x^{50} + x^{46} + x^{44} + x^{42} + x^{36} + x^{32} + x^{28} + x^{26} + x^{24} + x^{20} \\
& + x^{18} + x^{16} + x^8 + x^6, \\
p_9(x) &= x^{142} + x^{141} + x^{137} + x^{136} + x^{135} + x^{134} + x^{130} + x^{129} + x^{128} + x^{127} \\
& + x^{126} + x^{125} + x^{123} + x^{122} + x^{119} + x^{118} + x^{116} + x^{115} + x^{114} \\
& + x^{113} + x^{112} + x^{111} + x^{107} + x^{106} + x^{105} + x^{104} + x^{100} + x^{99} + x^{94} \\
& + x^{93} + x^{89} + x^{88} + x^{87} + x^{86} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{77} \\
& + x^{75} + x^{74} + x^{71} + x^{70} + x^{68} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} \\
& + x^{61} + x^{59} + x^{58} + x^{55} + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} + x^{48} + x^{47} \\
& + x^{46} + x^{45} + x^{43} + x^{42} + x^{39} + x^{38} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} \\
& + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{23} + x^{22} + x^{20} + x^{19} + x^{18} + x^{17} \\
& + x^{16} + x^{15} + x^{11} + x^{10} + x^9 + x^8 + x^4 + x^3, \\
p_{12}(x) &= x^{144} + x^{136} + x^{132} + x^{128} + x^{120} + x^{116} + x^{112} + x^{88} + x^{84} + x^{80} \\
& + x^{72} + x^{68} + x^{56} + x^{52} + x^{40} + x^{36} + x^{24} + x^{20} + x^{16} + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) &= x^{164} + x^{160} + x^{156} + x^{154} + x^{153} + x^{152} + x^{149} + x^{147} + x^{146} + x^{145} \\
& + x^{143} + x^{141} + x^{139} + x^{137} + x^{133} + x^{130} + x^{129} + x^{127} + x^{126} \\
& + x^{123} + x^{119} + x^{118} + x^{115} + x^{114} + x^{110} + x^{109} + x^{105} + x^{104} \\
& + x^{103} + x^{102} + x^{99} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{89} + x^{88} + x^{83} \\
& + x^{80} + x^{79} + x^{78} + x^{74} + x^{71} + x^{70} + x^{66} + x^{60} + x^{55} + x^{53} + x^{51} \\
& + x^{50} + x^{49} + x^{47} + x^{46} + x^{45} + x^{42} + x^{39} + x^{36} + x^{34} + x^{27}, \\
p_3(x) &= x^{150} + x^{149} + x^{148} + x^{147} + x^{145} + x^{144} + x^{142} + x^{140} + x^{137} + x^{132} \\
& + x^{131} + x^{125} + x^{124} + x^{120} + x^{119} + x^{115} + x^{114} + x^{110} + x^{109} \\
& + x^{105} + x^{104} + x^{100} + x^{99} + x^{95} + x^{94} + x^{90} + x^{89} + x^{85} + x^{84} + x^{80} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{74} + x^{73} + x^{72} + x^{70} + x^{67} + x^{65} + x^{61} \\
& + x^{59} + x^{56} + x^{55} + x^{54} + x^{50} + x^{49} + x^{47} + x^{45} + x^{44} + x^{43} + x^{42} \\
& + x^{40} + x^{36} + x^{35} + x^{31} + x^{30} + x^{26} + x^{25} + x^{22} + x^{19} + x^{17} + x^{15} \\
& + x^{14} + x^{12} + x^{11} + x^{10} + x^9, \\
p_6(x) &= x^{152} + x^{150} + x^{142} + x^{136} + x^{130} + x^{128} + x^{126} + x^{124} + x^{118} + x^{112} \\
& + x^{108} + x^{106} + x^{104} + x^{102} + x^{100} + x^{96} + x^{94} + x^{80} + x^{76} + x^{70}
\end{aligned}$$

$$\begin{aligned}
& + x^{68} + x^{66} + x^{64} + x^{60} + x^{58} + x^{56} + x^{52} + x^{50} + x^{44} + x^{40} + x^{36} \\
& + x^{34} + x^{30} + x^{28} + x^{26} + x^{24} + x^{22} + x^{20} + x^{18} + x^{14} + x^8 + x^6, \\
p_9(x) = & x^{154} + x^{153} + x^{149} + x^{148} + x^{147} + x^{145} + x^{142} + x^{138} + x^{135} + x^{134} \\
& + x^{133} + x^{131} + x^{129} + x^{127} + x^{126} + x^{124} + x^{122} + x^{120} + x^{119} \\
& + x^{118} + x^{115} + x^{111} + x^{108} + x^{104} + x^{101} + x^{97} + x^{94} + x^{90} + x^{87} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{79} + x^{78} + x^{76} + x^{73} + x^{72} + x^{71} + x^{70} \\
& + x^{69} + x^{68} + x^{65} + x^{63} + x^{62} + x^{60} + x^{57} + x^{56} + x^{55} + x^{54} + x^{53} \\
& + x^{52} + x^{49} + x^{47} + x^{46} + x^{44} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} \\
& + x^{33} + x^{31} + x^{30} + x^{28} + x^{26} + x^{24} + x^{23} + x^{22} + x^{19} + x^{15} + x^{12} \\
& + x^{10} + x^9 + x^8 + x^4 + x^3, \\
p_{12}(x) = & x^{156} + x^{144} + x^{140} + x^{120} + x^{108} + x^{104} + x^{92} + x^{76} + x^{72} + x^{64} \\
& + x^{60} + x^{56} + x^{48} + x^{44} + x^{40} + x^{32} + x^{24} + x^8 + 1,
\end{aligned}$$

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

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

$$\begin{aligned}
p_0(x) = & x^{147} + x^{145} + x^{141} + x^{137} + x^{132} + x^{128} + x^{127} + x^{124} + x^{121} + x^{119} \\
& + x^{117} + x^{115} + x^{112} + x^{111} + x^{109} + x^{107} + x^{105} + x^{104} + x^{102} \\
& + x^{100} + x^{99} + x^{95} + x^{93} + x^{92} + x^{88} + x^{87} + x^{85} + x^{84} + x^{82} + x^{81} \\
& + x^{80} + x^{79} + x^{75} + x^{72} + x^{71} + x^{67} + x^{65} + x^{64} + x^{62} + x^{60} + x^{57} \\
& + x^{56} + x^{53} + x^{47} + x^{42} + x^{41} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{145} + x^{143} + x^{140} + x^{136} + x^{135} + x^{132} + x^{129} + x^{127} + x^{121} + x^{120} \\
& + x^{119} + x^{118} + x^{114} + x^{113} + x^{112} + x^{111} + x^{109} + x^{105} + x^{104} \\
& + x^{103} + x^{101} + x^{99} + x^{98} + x^{96} + x^{91} + x^{87} + x^{86} + x^{84} + x^{81} + x^{80} \\
& + x^{78} + x^{73} + x^{72} + x^{69} + x^{59} + x^{56} + x^{55} + x^{49} + x^{47} + x^{46} + x^{45} \\
& + x^{44} + x^{42} + x^{41} + x^{40} + x^{39} + x^{37} + x^{35} + x^{34} + x^{33} + x^{32} + x^{29} \\
& + x^{28} + x^{27} + x^{24} + x^{22} + x^{20} + x^{19} + x^{18} + x^{16} + x^{15} + x^{12}, \\
p_6(x) = & x^{145} + x^{143} + x^{140} + x^{136} + x^{133} + x^{132} + x^{131} + x^{129} + x^{123} + x^{121} \\
& + x^{118} + x^{117} + x^{116} + x^{114} + x^{113} + x^{111} + x^{110} + x^{109} + x^{108} \\
& + x^{107} + x^{105} + x^{104} + x^{102} + x^{101} + x^{98} + x^{97} + x^{96} + x^{95} + x^{92} \\
& + x^{91} + x^{89} + x^{87} + x^{85} + x^{81} + x^{80} + x^{75} + x^{71} + x^{69} + x^{65} + x^{63} \\
& + x^{60} + x^{59} + x^{57} + x^{54} + x^{52} + x^{51} + x^{48} + x^{42} + x^{40} + x^{38} + x^{36} \\
& + x^{35} + x^{34} + x^{33} + x^{32} + x^{30} + x^{29} + x^{24} + x^{23} + x^{21} + x^{18} + x^{15} \\
& + x^{14} + x^{12} + x^{11} + x^8 + x^5 + 1, \\
p_9(x) = & x^{145} + x^{141} + x^{140} + x^{137} + x^{136} + x^{133} + x^{132} + x^{128} + x^{117} + x^{113} \\
& + x^{112} + x^{109} + x^{108} + x^{105} + x^{104} + x^{100} + x^{97} + x^{93} + x^{92} + x^{89} \\
& + x^{88} + x^{85} + x^{84} + x^{80} + x^{69} + x^{64} + x^{53} + x^{48} + x^{37} + x^{32} + x^{21}
\end{aligned}$$

$$\begin{aligned}
& + x^{17} + x^{16} + x^{13} + x^{12} + x^9 + x^8 + x^4, \\
p_{12}(x) = & x^{145} + x^{141} + x^{140} + x^{136} + x^{133} + x^{128} + x^{121} + x^{116} + x^{113} + x^{109} \\
& + x^{108} + x^{105} + x^{104} + x^{101} + x^{100} + x^{97} + x^{96} + x^{93} + x^{92} + x^{88} \\
& + x^{85} + x^{80} + x^{73} + x^{68} + x^{57} + x^{52} + x^{41} + x^{36} + x^{25} + x^{20} + x^{17} \\
& + x^{13} + x^{12} + x^9 + x^8 + x^5 + x^4 + 1,
\end{aligned}$$

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

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]       | 3073 | [3580, 5047] | 6146 | [8573, 1199] | 9219 | [2166, 10928]  |
| 1   | [3, 4]       | 3074 | [5048, 5049] | 6147 | [8574, 8462] | 9220 | [10929, 10749] |
| 2   | [5, 6]       | 3075 | [5050, 4614] | 6148 | [3595, 3834] | 9221 | [10930, 10931] |
| 3   | [7, 8]       | 3076 | [5051, 5052] | 6149 | [8575, 8576] | 9222 | [10900, 9782]  |
| 4   | [9, 10]      | 3077 | [5053, 1602] | 6150 | [8577, 1492] | 9223 | [10932, 9894]  |
| 5   | [11, 12]     | 3078 | [5054, 5055] | 6151 | [1564, 8578] | 9224 | [10933, 10934] |
| 6   | [13, 14]     | 3079 | [293, 5056]  | 6152 | [8579, 3743] | 9225 | [10935, 7210]  |
| 7   | [15, 16]     | 3080 | [425, 4062]  | 6153 | [1698, 1329] | 9226 | [10400, 7473]  |
| 8   | [17, 18]     | 3081 | [5057, 4280] | 6154 | [8580, 8581] | 9227 | [3143, 10936]  |
| 9   | [19, 20]     | 3082 | [3373, 3819] | 6155 | [8582, 8583] | 9228 | [5774, 6715]   |
| 10  | [21, 22]     | 3083 | [5058, 5059] | 6156 | [8444, 4032] | 9229 | [9778, 2248]   |
| 11  | [23, 24]     | 3084 | [5060, 3906] | 6157 | [8584, 8585] | 9230 | [677, 10937]   |
| 12  | [25, 26]     | 3085 | [5061, 1237] | 6158 | [8586, 7939] | 9231 | [2781, 7236]   |
| 13  | [27, 28]     | 3086 | [5007, 5062] | 6159 | [8587, 8588] | 9232 | [5975, 10938]  |
| 14  | [29, 30]     | 3087 | [5063, 5064] | 6160 | [8032, 5015] | 9233 | [10939, 10940] |
| 15  | [31, 32]     | 3088 | [1745, 5065] | 6161 | [8589, 3964] | 9234 | [7264, 245]    |
| 16  | [33, 34]     | 3089 | [3732, 5066] | 6162 | [3335, 8590] | 9235 | [5380, 6364]   |
| 17  | [35, 36]     | 3090 | [5067, 5068] | 6163 | [8591, 8524] | 9236 | [2286, 7026]   |
| 18  | [37, 38]     | 3091 | [4351, 1814] | 6164 | [8592, 8512] | 9237 | [10340, 854]   |
| 19  | [39, 40]     | 3092 | [5069, 1165] | 6165 | [8593, 4789] | 9238 | [10941, 685]   |
| 20  | [41, 42]     | 3093 | [3769, 5070] | 6166 | [8594, 8595] | 9239 | [10942, 10943] |
| 21  | [43, 44]     | 3094 | [5071, 323]  | 6167 | [8407, 1128] | 9240 | [10944, 10945] |
| 22  | [45, 46]     | 3095 | [3691, 4884] | 6168 | [3361, 8282] | 9241 | [10946, 2224]  |
| 23  | [47, 48]     | 3096 | [5072, 5073] | 6169 | [4199, 8230] | 9242 | [9779, 10422]  |
| 24  | [49, 50]     | 3097 | [5074, 5075] | 6170 | [8376, 8596] | 9243 | [7252, 5852]   |
| 25  | [51, 52]     | 3098 | [5076, 1525] | 6171 | [8597, 8598] | 9244 | [6679, 2459]   |
| 26  | [53, 54]     | 3099 | [5077, 3243] | 6172 | [4250, 5116] | 9245 | [5926, 10193]  |
| 27  | [55, 56]     | 3100 | [5078, 5079] | 6173 | [8599, 3583] | 9246 | [10947, 850]   |
| 28  | [57, 58]     | 3101 | [5080, 4933] | 6174 | [3927, 3495] | 9247 | [6611, 6725]   |
| 29  | [59, 60]     | 3102 | [4330, 367]  | 6175 | [8600, 1734] | 9248 | [10948, 3108]  |
| 30  | [61, 62]     | 3103 | [5081, 3421] | 6176 | [8601, 415]  | 9249 | [10030, 5509]  |
| 31  | [63, 64]     | 3104 | [5082, 5083] | 6177 | [8602, 1070] | 9250 | [547, 10949]   |

|    |            |      |              |      |              |      |                |
|----|------------|------|--------------|------|--------------|------|----------------|
| 32 | [65, 66]   | 3105 | [5084, 1247] | 6178 | [5136, 8603] | 9251 | [10897, 1998]  |
| 33 | [67, 68]   | 3106 | [5085, 1249] | 6179 | [8604, 3217] | 9252 | [10950, 1869]  |
| 34 | [69, 70]   | 3107 | [4024, 5086] | 6180 | [8605, 4353] | 9253 | [7467, 6412]   |
| 35 | [71, 72]   | 3108 | [5087, 5088] | 6181 | [7706, 7606] | 9254 | [201, 2728]    |
| 36 | [73, 74]   | 3109 | [5089, 5090] | 6182 | [1314, 3417] | 9255 | [10033, 10548] |
| 37 | [75, 76]   | 3110 | [5091, 5092] | 6183 | [8606, 1634] | 9256 | [10585, 5210]  |
| 38 | [77, 78]   | 3111 | [5093, 5094] | 6184 | [5132, 431]  | 9257 | [6646, 6945]   |
| 39 | [79, 80]   | 3112 | [5095, 5096] | 6185 | [8607, 3553] | 9258 | [2713, 9896]   |
| 40 | [81, 82]   | 3113 | [5097, 5098] | 6186 | [8608, 3703] | 9259 | [10951, 10577] |
| 41 | [83, 84]   | 3114 | [1775, 4710] | 6187 | [356, 1381]  | 9260 | [7523, 6080]   |
| 42 | [85, 86]   | 3115 | [5099, 5100] | 6188 | [8609, 7548] | 9261 | [770, 2063]    |
| 43 | [87, 88]   | 3116 | [1029, 1123] | 6189 | [1791, 4955] | 9262 | [5735, 9660]   |
| 44 | [89, 90]   | 3117 | [5101, 5102] | 6190 | [8610, 4341] | 9263 | [7185, 6897]   |
| 45 | [91, 92]   | 3118 | [23, 5103]   | 6191 | [8611, 8612] | 9264 | [734, 10952]   |
| 46 | [93, 94]   | 3119 | [1260, 3237] | 6192 | [8613, 8614] | 9265 | [6279, 6342]   |
| 47 | [95, 96]   | 3120 | [5104, 5105] | 6193 | [8615, 8616] | 9266 | [10953, 6351]  |
| 48 | [97, 98]   | 3121 | [5106, 3783] | 6194 | [15, 1651]   | 9267 | [10954, 10955] |
| 49 | [99, 100]  | 3122 | [5107, 4817] | 6195 | [4756, 1817] | 9268 | [10956, 2206]  |
| 50 | [101, 102] | 3123 | [5108, 3478] | 6196 | [8617, 8618] | 9269 | [7292, 10957]  |
| 51 | [103, 104] | 3124 | [5109, 4529] | 6197 | [7726, 8619] | 9270 | [5573, 7159]   |
| 52 | [105, 106] | 3125 | [5110, 5111] | 6198 | [8620, 4137] | 9271 | [10958, 10934] |
| 53 | [107, 108] | 3126 | [5112, 4733] | 6199 | [4106, 4767] | 9272 | [5251, 6404]   |
| 54 | [109, 110] | 3127 | [3795, 5113] | 6200 | [1563, 8062] | 9273 | [2766, 7095]   |
| 55 | [111, 112] | 3128 | [5114, 1126] | 6201 | [8621, 8622] | 9274 | [10198, 916]   |
| 56 | [113, 114] | 3129 | [5115, 5116] | 6202 | [8623, 7843] | 9275 | [7005, 658]    |
| 57 | [115, 116] | 3130 | [5117, 1552] | 6203 | [1357, 3717] | 9276 | [6806, 2021]   |
| 58 | [117, 118] | 3131 | [1576, 1701] | 6204 | [8624, 8625] | 9277 | [10959, 10453] |
| 59 | [119, 120] | 3132 | [102, 5118]  | 6205 | [8626, 7827] | 9278 | [10960, 9693]  |
| 60 | [121, 122] | 3133 | [5119, 5120] | 6206 | [8627, 8628] | 9279 | [6373, 10563]  |
| 61 | [123, 124] | 3134 | [4131, 4855] | 6207 | [4953, 8629] | 9280 | [6676, 158]    |
| 62 | [125, 126] | 3135 | [5121, 318]  | 6208 | [3436, 8630] | 9281 | [5846, 5237]   |
| 63 | [127, 128] | 3136 | [3901, 5122] | 6209 | [1316, 8631] | 9282 | [9896, 2455]   |
| 64 | [129, 130] | 3137 | [4824, 5123] | 6210 | [8437, 3916] | 9283 | [10764, 1877]  |
| 65 | [131, 132] | 3138 | [5124, 4963] | 6211 | [8632, 8633] | 9284 | [10961, 10962] |
| 66 | [133, 134] | 3139 | [5125, 3767] | 6212 | [8634, 468]  | 9285 | [9833, 10963]  |
| 67 | [135, 136] | 3140 | [5126, 4592] | 6213 | [8635, 8636] | 9286 | [10223, 5795]  |
| 68 | [137, 138] | 3141 | [5127, 5128] | 6214 | [8637, 4507] | 9287 | [10964, 10965] |
| 69 | [139, 140] | 3142 | [4889, 5129] | 6215 | [8638, 8639] | 9288 | [1971, 1844]   |
| 70 | [141, 142] | 3143 | [5130, 5131] | 6216 | [8222, 455]  | 9289 | [3185, 10836]  |
| 71 | [143, 144] | 3144 | [5132, 326]  | 6217 | [8640, 8641] | 9290 | [10966, 2007]  |
| 72 | [145, 146] | 3145 | [5133, 5134] | 6218 | [433, 1378]  | 9291 | [10967, 2308]  |
| 73 | [147, 148] | 3146 | [3526, 285]  | 6219 | [4690, 8642] | 9292 | [1944, 5849]   |
| 74 | [149, 150] | 3147 | [4968, 5135] | 6220 | [424, 3967]  | 9293 | [6299, 6053]   |
| 75 | [151, 13]  | 3148 | [5136, 5137] | 6221 | [8643, 8644] | 9294 | [10968, 10384] |

|     |            |      |              |      |              |      |                |
|-----|------------|------|--------------|------|--------------|------|----------------|
| 76  | [152, 153] | 3149 | [5138, 4617] | 6222 | [8645, 8646] | 9295 | [10969, 10970] |
| 77  | [154, 155] | 3150 | [3978, 5139] | 6223 | [3817, 392]  | 9296 | [10971, 193]   |
| 78  | [156, 157] | 3151 | [5140, 5141] | 6224 | [8647, 1089] | 9297 | [10498, 10023] |
| 79  | [158, 159] | 3152 | [5142, 5086] | 6225 | [8648, 3720] | 9298 | [10880, 6542]  |
| 80  | [160, 161] | 3153 | [4619, 4490] | 6226 | [8649, 4944] | 9299 | [6739, 890]    |
| 81  | [162, 163] | 3154 | [5143, 5144] | 6227 | [8650, 1760] | 9300 | [689, 10972]   |
| 82  | [164, 165] | 3155 | [5145, 3779] | 6228 | [7686, 3779] | 9301 | [9808, 2586]   |
| 83  | [166, 167] | 3156 | [5146, 1667] | 6229 | [8651, 8652] | 9302 | [5773, 5437]   |
| 84  | [168, 169] | 3157 | [5147, 5148] | 6230 | [8653, 8654] | 9303 | [10973, 5552]  |
| 85  | [170, 171] | 3158 | [369, 5149]  | 6231 | [3271, 4863] | 9304 | [10364, 9736]  |
| 86  | [172, 173] | 3159 | [5150, 5151] | 6232 | [8655, 8656] | 9305 | [5233, 10974]  |
| 87  | [174, 175] | 3160 | [5152, 1790] | 6233 | [1627, 7670] | 9306 | [10760, 6109]  |
| 88  | [176, 177] | 3161 | [5153, 5154] | 6234 | [4664, 1014] | 9307 | [7179, 10975]  |
| 89  | [178, 179] | 3162 | [5155, 5156] | 6235 | [8657, 8488] | 9308 | [10976, 6572]  |
| 90  | [180, 181] | 3163 | [5157, 467]  | 6236 | [8658, 8659] | 9309 | [10977, 2725]  |
| 91  | [182, 183] | 3164 | [4761, 3237] | 6237 | [8660, 8661] | 9310 | [10184, 7019]  |
| 92  | [184, 185] | 3165 | [5158, 1546] | 6238 | [4110, 8579] | 9311 | [10842, 10978] |
| 93  | [186, 187] | 3166 | [5159, 5118] | 6239 | [7543, 8662] | 9312 | [9953, 6428]   |
| 94  | [188, 189] | 3167 | [5160, 4427] | 6240 | [3551, 8086] | 9313 | [7341, 5537]   |
| 95  | [190, 191] | 3168 | [5161, 5162] | 6241 | [8663, 8664] | 9314 | [10635, 10979] |
| 96  | [192, 193] | 3169 | [5163, 5164] | 6242 | [8665, 5142] | 9315 | [10823, 5745]  |
| 97  | [194, 195] | 3170 | [5165, 5166] | 6243 | [1235, 1239] | 9316 | [9877, 6394]   |
| 98  | [196, 197] | 3171 | [3889, 5167] | 6244 | [1246, 8666] | 9317 | [10546, 10980] |
| 99  | [49, 198]  | 3172 | [5168, 5169] | 6245 | [8597, 3399] | 9318 | [10981, 10574] |
| 100 | [199, 200] | 3173 | [5170, 5171] | 6246 | [8667, 8255] | 9319 | [6425, 10317]  |
| 101 | [201, 202] | 3174 | [4804, 1148] | 6247 | [8668, 1181] | 9320 | [10657, 3160]  |
| 102 | [203, 204] | 3175 | [258, 5172]  | 6248 | [8669, 8670] | 9321 | [6455, 6765]   |
| 103 | [205, 206] | 3176 | [5173, 1675] | 6249 | [7619, 8671] | 9322 | [6026, 7363]   |
| 104 | [207, 208] | 3177 | [5174, 5175] | 6250 | [4846, 8672] | 9323 | [6125, 5909]   |
| 105 | [209, 210] | 3178 | [5176, 1017] | 6251 | [8673, 8674] | 9324 | [10982, 6692]  |
| 106 | [211, 212] | 3179 | [4765, 119]  | 6252 | [8675, 3907] | 9325 | [10983, 10984] |
| 107 | [213, 214] | 3180 | [395, 4038]  | 6253 | [7559, 3333] | 9326 | [10985, 10986] |
| 108 | [215, 216] | 3181 | [5177, 5178] | 6254 | [8676, 3913] | 9327 | [10987, 7495]  |
| 109 | [217, 218] | 3182 | [5179, 5180] | 6255 | [8677, 8678] | 9328 | [6117, 10988]  |
| 110 | [219, 220] | 3183 | [5181, 4531] | 6256 | [8679, 8680] | 9329 | [2856, 6498]   |
| 111 | [221, 222] | 3184 | [5182, 1560] | 6257 | [8681, 4201] | 9330 | [10944, 6648]  |
| 112 | [223, 224] | 3185 | [1449, 5183] | 6258 | [8682, 3705] | 9331 | [864, 10018]   |
| 113 | [225, 131] | 3186 | [312, 3268]  | 6259 | [8643, 8165] | 9332 | [6518, 6113]   |
| 114 | [226, 227] | 3187 | [5184, 5185] | 6260 | [8683, 5156] | 9333 | [6136, 10989]  |
| 115 | [228, 229] | 3188 | [3911, 4781] | 6261 | [7815, 8684] | 9334 | [7426, 5860]   |
| 116 | [230, 231] | 3189 | [5186, 5187] | 6262 | [8685, 1810] | 9335 | [10990, 5611]  |
| 117 | [232, 233] | 3190 | [5188, 4163] | 6263 | [8686, 8687] | 9336 | [10920, 6964]  |
| 118 | [234, 235] | 3191 | [5189, 5190] | 6264 | [8688, 8629] | 9337 | [6850, 10823]  |
| 119 | [236, 237] | 3192 | [1252, 5191] | 6265 | [8689, 4361] | 9338 | [10991, 5448]  |

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| 120 | [238, 239] | 3193 | [5192, 5193] | 6266 | [1801, 8690] | 9339 | [10992, 10056] |
| 121 | [240, 241] | 3194 | [5194, 3944] | 6267 | [8691, 1555] | 9340 | [10993, 10994] |
| 122 | [242, 243] | 3195 | [5195, 1122] | 6268 | [8692, 8693] | 9341 | [10995, 7358]  |
| 123 | [244, 245] | 3196 | [5196, 5197] | 6269 | [8674, 4596] | 9342 | [6499, 5488]   |
| 124 | [246, 247] | 3197 | [5198, 3250] | 6270 | [8694, 1741] | 9343 | [6095, 942]    |
| 125 | [248, 249] | 3198 | [5199, 5200] | 6271 | [1130, 8680] | 9344 | [10996, 5876]  |
| 126 | [250, 251] | 3199 | [3627, 985]  | 6272 | [8695, 8696] | 9345 | [10767, 7228]  |
| 127 | [252, 253] | 3200 | [5201, 3134] | 6273 | [8697, 8698] | 9346 | [10551, 1909]  |
| 128 | [254, 255] | 3201 | [5202, 5203] | 6274 | [8699, 8700] | 9347 | [7242, 5998]   |
| 129 | [256, 257] | 3202 | [5204, 5205] | 6275 | [8701, 8702] | 9348 | [6221, 10997]  |
| 130 | [258, 259] | 3203 | [5206, 2473] | 6276 | [8703, 8193] | 9349 | [10915, 6195]  |
| 131 | [260, 261] | 3204 | [5207, 5208] | 6277 | [3, 7702]    | 9350 | [1958, 5312]   |
| 132 | [262, 263] | 3205 | [5209, 5210] | 6278 | [8704, 8705] | 9351 | [2945, 10998]  |
| 133 | [264, 265] | 3206 | [5211, 5212] | 6279 | [8706, 8707] | 9352 | [7429, 6057]   |
| 134 | [266, 267] | 3207 | [5213, 5214] | 6280 | [8708, 8667] | 9353 | [10728, 2903]  |
| 135 | [268, 269] | 3208 | [5215, 5216] | 6281 | [3687, 4409] | 9354 | [10804, 10999] |
| 136 | [270, 271] | 3209 | [5217, 5218] | 6282 | [4055, 7784] | 9355 | [1832, 2241]   |
| 137 | [272, 273] | 3210 | [5219, 5220] | 6283 | [4328, 5117] | 9356 | [6488, 11000]  |
| 138 | [274, 275] | 3211 | [5221, 5222] | 6284 | [5093, 7838] | 9357 | [11001, 2463]  |
| 139 | [276, 277] | 3212 | [2392, 153]  | 6285 | [8709, 8710] | 9358 | [11002, 816]   |
| 140 | [278, 279] | 3213 | [5223, 5224] | 6286 | [8711, 8712] | 9359 | [2634, 11003]  |
| 141 | [280, 281] | 3214 | [5225, 5226] | 6287 | [3876, 3328] | 9360 | [11004, 2221]  |
| 142 | [282, 283] | 3215 | [5227, 5228] | 6288 | [4391, 8713] | 9361 | [11005, 11006] |
| 143 | [284, 285] | 3216 | [2860, 58]   | 6289 | [7960, 8082] | 9362 | [5471, 5918]   |
| 144 | [286, 287] | 3217 | [719, 3150]  | 6290 | [8714, 8715] | 9363 | [11007, 6706]  |
| 145 | [288, 289] | 3218 | [5229, 5230] | 6291 | [8716, 8197] | 9364 | [10666, 2997]  |
| 146 | [290, 291] | 3219 | [5231, 780]  | 6292 | [8717, 4299] | 9365 | [9749, 11008]  |
| 147 | [292, 293] | 3220 | [5232, 5233] | 6293 | [8718, 8719] | 9366 | [7125, 2866]   |
| 148 | [294, 295] | 3221 | [5234, 3089] | 6294 | [8720, 4562] | 9367 | [7388, 11009]  |
| 149 | [296, 297] | 3222 | [5235, 5236] | 6295 | [8721, 4564] | 9368 | [6298, 11010]  |
| 150 | [298, 299] | 3223 | [5237, 5238] | 6296 | [3420, 1015] | 9369 | [551, 9763]    |
| 151 | [300, 29]  | 3224 | [5239, 161]  | 6297 | [8722, 8723] | 9370 | [10730, 6684]  |
| 152 | [301, 302] | 3225 | [2833, 5240] | 6298 | [8724, 8725] | 9371 | [11011, 903]   |
| 153 | [303, 304] | 3226 | [5241, 5242] | 6299 | [5021, 3560] | 9372 | [6453, 9900]   |
| 154 | [305, 306] | 3227 | [2363, 5243] | 6300 | [3984, 8726] | 9373 | [2616, 6330]   |
| 155 | [307, 308] | 3228 | [5244, 5245] | 6301 | [8727, 1022] | 9374 | [5791, 11012]  |
| 156 | [309, 310] | 3229 | [235, 250]   | 6302 | [8343, 8728] | 9375 | [10626, 5427]  |
| 157 | [311, 312] | 3230 | [5246, 5247] | 6303 | [1523, 979]  | 9376 | [11013, 6179]  |
| 158 | [313, 314] | 3231 | [5248, 2180] | 6304 | [8729, 8271] | 9377 | [10889, 10869] |
| 159 | [315, 291] | 3232 | [2278, 2142] | 6305 | [8730, 8201] | 9378 | [10658, 2402]  |
| 160 | [316, 317] | 3233 | [5249, 5250] | 6306 | [3648, 3774] | 9379 | [2689, 5904]   |
| 161 | [318, 319] | 3234 | [5251, 5252] | 6307 | [8731, 8732] | 9380 | [2609, 6680]   |
| 162 | [320, 321] | 3235 | [5253, 5254] | 6308 | [7550, 3864] | 9381 | [11014, 2407]  |
| 163 | [322, 323] | 3236 | [5214, 5255] | 6309 | [8733, 8734] | 9382 | [11015, 10143] |

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| 164 | [324, 325] | 3237 | [5256, 5257] | 6310 | [3853, 1512] | 9383 | [549, 2315]    |
| 165 | [326, 327] | 3238 | [2337, 5258] | 6311 | [4984, 5050] | 9384 | [11016, 11017] |
| 166 | [328, 329] | 3239 | [5259, 5260] | 6312 | [8735, 8736] | 9385 | [10345, 6612]  |
| 167 | [330, 331] | 3240 | [178, 5261]  | 6313 | [4082, 8737] | 9386 | [10183, 528]   |
| 168 | [332, 333] | 3241 | [5262, 5263] | 6314 | [1086, 4967] | 9387 | [9857, 533]    |
| 169 | [334, 335] | 3242 | [5264, 5265] | 6315 | [8738, 1021] | 9388 | [5829, 2260]   |
| 170 | [336, 337] | 3243 | [5266, 5267] | 6316 | [3821, 8739] | 9389 | [6564, 2006]   |
| 171 | [338, 339] | 3244 | [5268, 31]   | 6317 | [8740, 8741] | 9390 | [3134, 6579]   |
| 172 | [340, 341] | 3245 | [5269, 5270] | 6318 | [5131, 3501] | 9391 | [11018, 6931]  |
| 173 | [342, 343] | 3246 | [5271, 5272] | 6319 | [4232, 8742] | 9392 | [7136, 5787]   |
| 174 | [344, 345] | 3247 | [5273, 5274] | 6320 | [8743, 4039] | 9393 | [5556, 6783]   |
| 175 | [346, 347] | 3248 | [2062, 5275] | 6321 | [8320, 8744] | 9394 | [7431, 6262]   |
| 176 | [348, 349] | 3249 | [136, 5276]  | 6322 | [8388, 8745] | 9395 | [6695, 10892]  |
| 177 | [350, 351] | 3250 | [5277, 5278] | 6323 | [8746, 1313] | 9396 | [7380, 3102]   |
| 178 | [352, 353] | 3251 | [5279, 753]  | 6324 | [8747, 347]  | 9397 | [895, 2324]    |
| 179 | [354, 275] | 3252 | [5280, 811]  | 6325 | [3664, 8748] | 9398 | [949, 2310]    |
| 180 | [355, 356] | 3253 | [5281, 5282] | 6326 | [8749, 8544] | 9399 | [11019, 6799]  |
| 181 | [357, 358] | 3254 | [2138, 5283] | 6327 | [7784, 3433] | 9400 | [9837, 2186]   |
| 182 | [359, 360] | 3255 | [5284, 5285] | 6328 | [8382, 8750] | 9401 | [10769, 609]   |
| 183 | [361, 362] | 3256 | [5286, 5287] | 6329 | [4850, 3542] | 9402 | [2318, 11020]  |
| 184 | [363, 364] | 3257 | [2183, 564]  | 6330 | [8751, 8752] | 9403 | [539, 3177]    |
| 185 | [365, 366] | 3258 | [5288, 2287] | 6331 | [8753, 7781] | 9404 | [11021, 9879]  |
| 186 | [367, 368] | 3259 | [5289, 5290] | 6332 | [8754, 8755] | 9405 | [2369, 2166]   |
| 187 | [369, 370] | 3260 | [5291, 3118] | 6333 | [8756, 8054] | 9406 | [6937, 7281]   |
| 188 | [371, 372] | 3261 | [5292, 5293] | 6334 | [8757, 8758] | 9407 | [633, 6205]    |
| 189 | [373, 374] | 3262 | [5294, 2220] | 6335 | [4491, 4550] | 9408 | [6625, 6185]   |
| 190 | [375, 376] | 3263 | [5295, 5296] | 6336 | [8759, 4352] | 9409 | [2929, 11022]  |
| 191 | [377, 378] | 3264 | [5297, 5298] | 6337 | [8760, 8761] | 9410 | [10209, 10298] |
| 192 | [379, 380] | 3265 | [5299, 5300] | 6338 | [8762, 8763] | 9411 | [11023, 6957]  |
| 193 | [381, 382] | 3266 | [5301, 5302] | 6339 | [7824, 8764] | 9412 | [6954, 554]    |
| 194 | [383, 384] | 3267 | [5303, 5304] | 6340 | [8765, 4942] | 9413 | [10327, 5627]  |
| 195 | [385, 367] | 3268 | [609, 5305]  | 6341 | [8276, 7733] | 9414 | [5745, 11024]  |
| 196 | [386, 387] | 3269 | [5306, 2051] | 6342 | [8766, 8767] | 9415 | [5864, 5965]   |
| 197 | [388, 389] | 3270 | [5307, 5308] | 6343 | [8768, 1703] | 9416 | [5530, 11025]  |
| 198 | [390, 391] | 3271 | [5309, 2524] | 6344 | [8769, 8646] | 9417 | [128, 7182]    |
| 199 | [392, 393] | 3272 | [5310, 5311] | 6345 | [3937, 8770] | 9418 | [10825, 10143] |
| 200 | [394, 395] | 3273 | [3019, 5312] | 6346 | [8771, 8772] | 9419 | [5817, 11026]  |
| 201 | [396, 397] | 3274 | [5313, 5314] | 6347 | [8773, 4194] | 9420 | [2688, 10361]  |
| 202 | [398, 399] | 3275 | [5315, 2579] | 6348 | [8044, 8774] | 9421 | [2558, 9710]   |
| 203 | [400, 401] | 3276 | [5316, 5317] | 6349 | [8473, 8019] | 9422 | [2032, 11027]  |
| 204 | [402, 403] | 3277 | [652, 5318]  | 6350 | [8775, 3629] | 9423 | [6491, 2929]   |
| 205 | [404, 405] | 3278 | [5254, 5319] | 6351 | [8776, 3630] | 9424 | [10575, 6062]  |
| 206 | [406, 407] | 3279 | [5320, 5321] | 6352 | [327, 8606]  | 9425 | [11028, 11029] |
| 207 | [408, 409] | 3280 | [5322, 761]  | 6353 | [8777, 1738] | 9426 | [6235, 11030]  |

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| 208 | [410, 411] | 3281 | [2661, 2661] | 6354 | [8778, 8779] | 9427 | [6604, 11031]  |
| 209 | [322, 412] | 3282 | [5323, 2658] | 6355 | [67, 4524]   | 9428 | [6181, 7156]   |
| 210 | [413, 414] | 3283 | [5324, 201]  | 6356 | [479, 8780]  | 9429 | [6203, 5587]   |
| 211 | [415, 416] | 3284 | [5325, 5326] | 6357 | [3615, 308]  | 9430 | [11032, 11033] |
| 212 | [417, 418] | 3285 | [5327, 5328] | 6358 | [8781, 4936] | 9431 | [5533, 10714]  |
| 213 | [419, 420] | 3286 | [2764, 2486] | 6359 | [7695, 8782] | 9432 | [2852, 2440]   |
| 214 | [421, 422] | 3287 | [5329, 5330] | 6360 | [8783, 4860] | 9433 | [5428, 11034]  |
| 215 | [423, 424] | 3288 | [2012, 5331] | 6361 | [8784, 8785] | 9434 | [11035, 10242] |
| 216 | [425, 426] | 3289 | [5332, 5333] | 6362 | [8644, 4261] | 9435 | [7095, 6888]   |
| 217 | [427, 428] | 3290 | [5334, 5335] | 6363 | [265, 4626]  | 9436 | [11036, 7202]  |
| 218 | [429, 430] | 3291 | [5336, 2223] | 6364 | [7840, 3852] | 9437 | [660, 6703]    |
| 219 | [431, 327] | 3292 | [5337, 2533] | 6365 | [8786, 7903] | 9438 | [11037, 11038] |
| 220 | [432, 433] | 3293 | [5338, 5339] | 6366 | [8787, 8788] | 9439 | [5987, 6295]   |
| 221 | [434, 435] | 3294 | [5340, 5341] | 6367 | [8789, 1556] | 9440 | [2118, 5703]   |
| 222 | [436, 437] | 3295 | [5342, 5343] | 6368 | [8790, 8791] | 9441 | [11039, 11040] |
| 223 | [438, 439] | 3296 | [5265, 5344] | 6369 | [4187, 8792] | 9442 | [11041, 11042] |
| 224 | [440, 441] | 3297 | [3116, 5345] | 6370 | [8112, 4505] | 9443 | [9692, 10956]  |
| 225 | [442, 443] | 3298 | [5346, 5347] | 6371 | [8793, 8794] | 9444 | [2723, 11043]  |
| 226 | [444, 445] | 3299 | [2905, 5348] | 6372 | [1069, 1484] | 9445 | [10591, 2698]  |
| 227 | [446, 447] | 3300 | [2278, 5349] | 6373 | [3734, 3235] | 9446 | [11044, 2835]  |
| 228 | [448, 449] | 3301 | [5350, 5351] | 6374 | [8795, 1291] | 9447 | [11045, 11046] |
| 229 | [450, 451] | 3302 | [5352, 651]  | 6375 | [8796, 3281] | 9448 | [7083, 7431]   |
| 230 | [452, 453] | 3303 | [5353, 5354] | 6376 | [8797, 8798] | 9449 | [11047, 11034] |
| 231 | [454, 455] | 3304 | [2732, 2819] | 6377 | [3755, 4473] | 9450 | [9689, 11048]  |
| 232 | [456, 457] | 3305 | [5355, 5356] | 6378 | [8799, 8800] | 9451 | [11049, 2933]  |
| 233 | [458, 459] | 3306 | [2535, 5357] | 6379 | [3273, 8764] | 9452 | [11050, 5875]  |
| 234 | [460, 461] | 3307 | [5358, 676]  | 6380 | [8065, 8801] | 9453 | [10434, 11051] |
| 235 | [462, 463] | 3308 | [5359, 677]  | 6381 | [8802, 4798] | 9454 | [5915, 6193]   |
| 236 | [464, 465] | 3309 | [5360, 5361] | 6382 | [465, 8803]  | 9455 | [10638, 2548]  |
| 237 | [466, 467] | 3310 | [5362, 592]  | 6383 | [8804, 3314] | 9456 | [2756, 6983]   |
| 238 | [468, 469] | 3311 | [5363, 5364] | 6384 | [3811, 1345] | 9457 | [11052, 11053] |
| 239 | [470, 471] | 3312 | [5365, 2853] | 6385 | [4826, 8805] | 9458 | [184, 5365]    |
| 240 | [472, 473] | 3313 | [5366, 5367] | 6386 | [8777, 3889] | 9459 | [6735, 2079]   |
| 241 | [474, 475] | 3314 | [5368, 5369] | 6387 | [8087, 1321] | 9460 | [681, 11054]   |
| 242 | [476, 477] | 3315 | [5370, 5371] | 6388 | [8806, 1100] | 9461 | [11055, 3011]  |
| 243 | [478, 479] | 3316 | [691, 5372]  | 6389 | [4788, 8807] | 9462 | [10119, 9915]  |
| 244 | [480, 481] | 3317 | [5373, 5374] | 6390 | [8808, 1599] | 9463 | [226, 2605]    |
| 245 | [482, 483] | 3318 | [5375, 5376] | 6391 | [3200, 1772] | 9464 | [5506, 923]    |
| 246 | [484, 485] | 3319 | [665, 5377]  | 6392 | [4533, 8267] | 9465 | [884, 2085]    |
| 247 | [486, 487] | 3320 | [5378, 5379] | 6393 | [1195, 8809] | 9466 | [10120, 10693] |
| 248 | [488, 489] | 3321 | [5380, 2301] | 6394 | [8810, 8811] | 9467 | [2523, 11056]  |
| 249 | [490, 491] | 3322 | [8, 5381]    | 6395 | [8812, 8813] | 9468 | [5364, 6778]   |
| 250 | [492, 115] | 3323 | [5382, 5383] | 6396 | [8814, 8815] | 9469 | [11057, 11058] |
| 251 | [493, 494] | 3324 | [614, 5384]  | 6397 | [8479, 3265] | 9470 | [10898, 11059] |

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| 252 | [495, 496] | 3325 | [1852, 1918] | 6398 | [3805, 5031] | 9471 | [6418, 673]    |
| 253 | [497, 498] | 3326 | [5385, 5386] | 6399 | [450, 7832]  | 9472 | [7230, 5453]   |
| 254 | [499, 500] | 3327 | [5387, 2612] | 6400 | [1587, 8816] | 9473 | [135, 5563]    |
| 255 | [501, 502] | 3328 | [747, 884]   | 6401 | [4901, 3487] | 9474 | [11060, 635]   |
| 256 | [503, 504] | 3329 | [5388, 5389] | 6402 | [3375, 4096] | 9475 | [10673, 6803]  |
| 257 | [505, 506] | 3330 | [5390, 5391] | 6403 | [8817, 8818] | 9476 | [5525, 11061]  |
| 258 | [507, 508] | 3331 | [1892, 5392] | 6404 | [8819, 7986] | 9477 | [11062, 9955]  |
| 259 | [509, 510] | 3332 | [5393, 670]  | 6405 | [1149, 4180] | 9478 | [11063, 11064] |
| 260 | [511, 512] | 3333 | [5394, 5395] | 6406 | [4830, 8116] | 9479 | [11065, 2196]  |
| 261 | [513, 514] | 3334 | [5396, 1900] | 6407 | [4598, 454]  | 9480 | [10149, 9750]  |
| 262 | [515, 516] | 3335 | [5397, 5398] | 6408 | [8820, 8085] | 9481 | [10469, 2883]  |
| 263 | [517, 518] | 3336 | [240, 3157]  | 6409 | [8821, 1793] | 9482 | [9900, 11066]  |
| 264 | [519, 520] | 3337 | [5399, 5400] | 6410 | [8634, 8396] | 9483 | [218, 10050]   |
| 265 | [521, 522] | 3338 | [5401, 2338] | 6411 | [8822, 8143] | 9484 | [11067, 10399] |
| 266 | [523, 524] | 3339 | [5402, 3174] | 6412 | [8823, 8824] | 9485 | [2215, 603]    |
| 267 | [525, 526] | 3340 | [5403, 5404] | 6413 | [1117, 7891] | 9486 | [11068, 9936]  |
| 268 | [527, 528] | 3341 | [769, 839]   | 6414 | [8825, 4240] | 9487 | [5388, 11069]  |
| 269 | [529, 530] | 3342 | [5405, 5406] | 6415 | [8826, 8827] | 9488 | [2475, 11070]  |
| 270 | [531, 532] | 3343 | [5407, 5408] | 6416 | [8828, 3341] | 9489 | [7170, 10894]  |
| 271 | [533, 534] | 3344 | [5409, 2037] | 6417 | [8829, 8830] | 9490 | [11071, 2576]  |
| 272 | [535, 536] | 3345 | [5410, 5411] | 6418 | [8831, 4]    | 9491 | [10662, 2083]  |
| 273 | [537, 538] | 3346 | [5412, 5413] | 6419 | [3865, 95]   | 9492 | [929, 5441]    |
| 274 | [539, 540] | 3347 | [5414, 5415] | 6420 | [7663, 1715] | 9493 | [6376, 9972]   |
| 275 | [541, 517] | 3348 | [5416, 5417] | 6421 | [8832, 7946] | 9494 | [11072, 11073] |
| 276 | [542, 543] | 3349 | [5418, 5419] | 6422 | [8833, 3488] | 9495 | [10444, 6833]  |
| 277 | [544, 545] | 3350 | [5420, 5421] | 6423 | [1111, 8834] | 9496 | [10018, 11074] |
| 278 | [546, 547] | 3351 | [5422, 2108] | 6424 | [8835, 8534] | 9497 | [6028, 2688]   |
| 279 | [548, 14]  | 3352 | [2422, 2160] | 6425 | [8836, 8837] | 9498 | [10773, 6683]  |
| 280 | [549, 550] | 3353 | [727, 5423]  | 6426 | [1702, 5125] | 9499 | [2294, 927]    |
| 281 | [551, 552] | 3354 | [2282, 5424] | 6427 | [8838, 8289] | 9500 | [11075, 9761]  |
| 282 | [553, 548] | 3355 | [5425, 5426] | 6428 | [8839, 8840] | 9501 | [7268, 7465]   |
| 283 | [554, 555] | 3356 | [38, 5427]   | 6429 | [8841, 4376] | 9502 | [10050, 7410]  |
| 284 | [556, 557] | 3357 | [5428, 5429] | 6430 | [7858, 8842] | 9503 | [11076, 11077] |
| 285 | [558, 559] | 3358 | [5430, 2710] | 6431 | [8843, 8687] | 9504 | [3072, 11078]  |
| 286 | [560, 561] | 3359 | [5431, 5432] | 6432 | [74, 8844]   | 9505 | [11019, 11079] |
| 287 | [562, 563] | 3360 | [5433, 5434] | 6433 | [8845, 8846] | 9506 | [9659, 11080]  |
| 288 | [564, 565] | 3361 | [731, 247]   | 6434 | [8847, 7680] | 9507 | [11081, 6443]  |
| 289 | [566, 567] | 3362 | [5435, 5436] | 6435 | [8848, 8849] | 9508 | [11082, 697]   |
| 290 | [568, 569] | 3363 | [5437, 5438] | 6436 | [8850, 3515] | 9509 | [10562, 11083] |
| 291 | [570, 571] | 3364 | [5439, 5440] | 6437 | [8851, 8852] | 9510 | [6151, 5646]   |
| 292 | [572, 573] | 3365 | [5441, 5442] | 6438 | [8853, 8854] | 9511 | [2486, 11084]  |
| 293 | [574, 575] | 3366 | [5443, 5444] | 6439 | [8855, 3271] | 9512 | [9919, 6662]   |
| 294 | [576, 577] | 3367 | [5445, 5446] | 6440 | [7632, 8856] | 9513 | [9932, 581]    |
| 295 | [578, 579] | 3368 | [5447, 5315] | 6441 | [7602, 4358] | 9514 | [153, 2596]    |

|     |            |      |              |      |              |      |                |
|-----|------------|------|--------------|------|--------------|------|----------------|
| 296 | [192, 580] | 3369 | [2125, 5448] | 6442 | [8543, 8857] | 9515 | [6182, 11085]  |
| 297 | [581, 582] | 3370 | [5449, 5303] | 6443 | [8858, 357]  | 9516 | [132, 6110]    |
| 298 | [583, 584] | 3371 | [5450, 5451] | 6444 | [1561, 8859] | 9517 | [11086, 11087] |
| 299 | [585, 586] | 3372 | [5452, 5453] | 6445 | [4976, 390]  | 9518 | [10278, 2019]  |
| 300 | [587, 61]  | 3373 | [5454, 5455] | 6446 | [8860, 1042] | 9519 | [11088, 6771]  |
| 301 | [588, 589] | 3374 | [5283, 5456] | 6447 | [8073, 7929] | 9520 | [10038, 7237]  |
| 302 | [590, 591] | 3375 | [5457, 3031] | 6448 | [5018, 4672] | 9521 | [10989, 11089] |
| 303 | [592, 593] | 3376 | [5458, 5459] | 6449 | [8861, 8862] | 9522 | [11090, 2233]  |
| 304 | [594, 595] | 3377 | [5460, 2214] | 6450 | [8863, 3482] | 9523 | [10869, 3143]  |
| 305 | [596, 597] | 3378 | [5461, 5462] | 6451 | [8864, 1082] | 9524 | [10045, 729]   |
| 306 | [598, 599] | 3379 | [5463, 5464] | 6452 | [8741, 3295] | 9525 | [10990, 11091] |
| 307 | [600, 601] | 3380 | [5465, 5466] | 6453 | [8865, 7726] | 9526 | [10916, 2836]  |
| 308 | [602, 603] | 3381 | [5467, 60]   | 6454 | [4663, 3419] | 9527 | [11092, 11093] |
| 309 | [604, 605] | 3382 | [2481, 5468] | 6455 | [8678, 8866] | 9528 | [11094, 6590]  |
| 310 | [606, 607] | 3383 | [5469, 2529] | 6456 | [8867, 1456] | 9529 | [5721, 5286]   |
| 311 | [608, 609] | 3384 | [2216, 820]  | 6457 | [341, 3721]  | 9530 | [5498, 11095]  |
| 312 | [610, 611] | 3385 | [5470, 5471] | 6458 | [8868, 8869] | 9531 | [11094, 7210]  |
| 313 | [612, 613] | 3386 | [5472, 5473] | 6459 | [4649, 8870] | 9532 | [5674, 10039]  |
| 314 | [614, 615] | 3387 | [5474, 5475] | 6460 | [8871, 8872] | 9533 | [11096, 11097] |
| 315 | [616, 617] | 3388 | [5476, 5477] | 6461 | [8873, 4479] | 9534 | [7144, 11098]  |
| 316 | [618, 619] | 3389 | [5302, 5478] | 6462 | [8823, 8874] | 9535 | [2570, 2463]   |
| 317 | [612, 620] | 3390 | [5479, 5480] | 6463 | [8875, 8876] | 9536 | [10067, 806]   |
| 318 | [621, 622] | 3391 | [2928, 3035] | 6464 | [8877, 8878] | 9537 | [6980, 11099]  |
| 319 | [623, 624] | 3392 | [5481, 5482] | 6465 | [3469, 1141] | 9538 | [10306, 11100] |
| 320 | [625, 626] | 3393 | [5483, 5484] | 6466 | [4257, 8547] | 9539 | [10730, 11101] |
| 321 | [627, 628] | 3394 | [2613, 2106] | 6467 | [3607, 4153] | 9540 | [896, 2456]    |
| 322 | [629, 630] | 3395 | [5216, 5485] | 6468 | [8879, 4797] | 9541 | [2651, 9951]   |
| 323 | [631, 632] | 3396 | [5223, 5486] | 6469 | [3704, 8880] | 9542 | [10157, 6789]  |
| 324 | [633, 634] | 3397 | [5487, 5488] | 6470 | [8881, 8882] | 9543 | [10414, 6101]  |
| 325 | [635, 636] | 3398 | [516, 5489]  | 6471 | [8019, 3619] | 9544 | [11102, 6445]  |
| 326 | [637, 638] | 3399 | [5490, 722]  | 6472 | [8883, 8884] | 9545 | [11103, 2530]  |
| 327 | [193, 639] | 3400 | [5491, 756]  | 6473 | [7650, 8885] | 9546 | [6705, 726]    |
| 328 | [640, 641] | 3401 | [5492, 5493] | 6474 | [8052, 312]  | 9547 | [10075, 11104] |
| 329 | [642, 643] | 3402 | [5299, 5494] | 6475 | [8886, 8827] | 9548 | [10009, 6570]  |
| 330 | [644, 645] | 3403 | [5495, 5496] | 6476 | [8135, 3341] | 9549 | [10235, 11105] |
| 331 | [646, 647] | 3404 | [2601, 2065] | 6477 | [7928, 4228] | 9550 | [11106, 807]   |
| 332 | [648, 649] | 3405 | [5497, 592]  | 6478 | [3755, 4467] | 9551 | [11107, 10563] |
| 333 | [650, 651] | 3406 | [5498, 5499] | 6479 | [8887, 1351] | 9552 | [10942, 5947]  |
| 334 | [652, 653] | 3407 | [5500, 5501] | 6480 | [8888, 1379] | 9553 | [3097, 9751]   |
| 335 | [654, 655] | 3408 | [5502, 2504] | 6481 | [8889, 8890] | 9554 | [11108, 5503]  |
| 336 | [656, 657] | 3409 | [5503, 5504] | 6482 | [8891, 5083] | 9555 | [11109, 11110] |
| 337 | [658, 659] | 3410 | [5505, 809]  | 6483 | [969, 8892]  | 9556 | [11023, 11111] |
| 338 | [660, 661] | 3411 | [234, 2128]  | 6484 | [4771, 8407] | 9557 | [5574, 6414]   |
| 339 | [662, 663] | 3412 | [5506, 5507] | 6485 | [7876, 974]  | 9558 | [2838, 11112]  |

|     |            |      |              |      |              |      |                |
|-----|------------|------|--------------|------|--------------|------|----------------|
| 340 | [664, 665] | 3413 | [5508, 5509] | 6486 | [1444, 1037] | 9559 | [6760, 11113]  |
| 341 | [666, 667] | 3414 | [5510, 5511] | 6487 | [8893, 1586] | 9560 | [246, 11114]   |
| 342 | [668, 669] | 3415 | [5466, 1978] | 6488 | [8894, 1519] | 9561 | [10102, 7001]  |
| 343 | [670, 671] | 3416 | [2472, 54]   | 6489 | [8895, 8896] | 9562 | [11115, 11116] |
| 344 | [672, 673] | 3417 | [5512, 5513] | 6490 | [8897, 4873] | 9563 | [10892, 11117] |
| 345 | [674, 675] | 3418 | [2589, 5226] | 6491 | [4490, 8898] | 9564 | [11118, 10869] |
| 346 | [676, 139] | 3419 | [5260, 5514] | 6492 | [8899, 1700] | 9565 | [6490, 7124]   |
| 347 | [677, 678] | 3420 | [5515, 2845] | 6493 | [4495, 8900] | 9566 | [11119, 11120] |
| 348 | [679, 680] | 3421 | [2526, 5516] | 6494 | [3796, 8901] | 9567 | [9869, 6622]   |
| 349 | [681, 682] | 3422 | [5517, 5518] | 6495 | [8902, 8903] | 9568 | [10473, 5969]  |
| 350 | [683, 684] | 3423 | [3074, 5519] | 6496 | [8904, 3216] | 9569 | [6509, 10593]  |
| 351 | [685, 686] | 3424 | [5520, 618]  | 6497 | [4661, 8905] | 9570 | [11121, 11122] |
| 352 | [687, 688] | 3425 | [5521, 5522] | 6498 | [4275, 4791] | 9571 | [10633, 239]   |
| 353 | [689, 690] | 3426 | [5523, 5524] | 6499 | [269, 8906]  | 9572 | [11123, 3083]  |
| 354 | [691, 692] | 3427 | [5525, 530]  | 6500 | [8907, 4112] | 9573 | [11124, 11125] |
| 355 | [693, 694] | 3428 | [5526, 5527] | 6501 | [5028, 4253] | 9574 | [11126, 2478]  |
| 356 | [695, 696] | 3429 | [5528, 577]  | 6502 | [8908, 8909] | 9575 | [7477, 11127]  |
| 357 | [697, 698] | 3430 | [5529, 3184] | 6503 | [3288, 4488] | 9576 | [7434, 6890]   |
| 358 | [699, 700] | 3431 | [5530, 5531] | 6504 | [7590, 1588] | 9577 | [925, 6857]    |
| 359 | [701, 702] | 3432 | [5532, 5533] | 6505 | [8910, 4956] | 9578 | [5281, 6609]   |
| 360 | [703, 704] | 3433 | [5534, 896]  | 6506 | [8618, 8911] | 9579 | [10989, 2041]  |
| 361 | [705, 706] | 3434 | [5535, 5536] | 6507 | [8912, 8913] | 9580 | [10809, 1828]  |
| 362 | [707, 708] | 3435 | [5537, 5538] | 6508 | [8914, 365]  | 9581 | [9837, 11128]  |
| 363 | [709, 710] | 3436 | [5539, 5540] | 6509 | [4216, 8915] | 9582 | [3183, 2004]   |
| 364 | [711, 698] | 3437 | [5541, 5542] | 6510 | [8770, 1666] | 9583 | [11129, 2135]  |
| 365 | [712, 713] | 3438 | [5543, 5544] | 6511 | [95, 3868]   | 9584 | [11130, 5703]  |
| 366 | [714, 715] | 3439 | [5545, 792]  | 6512 | [8916, 1406] | 9585 | [636, 7193]    |
| 367 | [716, 717] | 3440 | [5546, 5547] | 6513 | [8240, 8917] | 9586 | [11049, 34]    |
| 368 | [718, 719] | 3441 | [5548, 5476] | 6514 | [8918, 4436] | 9587 | [6859, 11131]  |
| 369 | [720, 721] | 3442 | [5549, 5550] | 6515 | [1279, 8919] | 9588 | [11132, 11110] |
| 370 | [722, 723] | 3443 | [5362, 5551] | 6516 | [3547, 8678] | 9589 | [10745, 6836]  |
| 371 | [724, 725] | 3444 | [5552, 2461] | 6517 | [8920, 8921] | 9590 | [2000, 11133]  |
| 372 | [726, 727] | 3445 | [5553, 2109] | 6518 | [8029, 8922] | 9591 | [11134, 11135] |
| 373 | [728, 729] | 3446 | [5554, 5555] | 6519 | [1074, 8923] | 9592 | [10348, 2334]  |
| 374 | [730, 731] | 3447 | [5556, 5557] | 6520 | [1766, 8924] | 9593 | [2574, 2415]   |
| 375 | [732, 733] | 3448 | [5558, 5559] | 6521 | [8925, 4806] | 9594 | [6317, 1939]   |
| 376 | [734, 735] | 3449 | [2556, 5560] | 6522 | [3750, 8926] | 9595 | [2408, 5892]   |
| 377 | [736, 737] | 3450 | [5561, 5562] | 6523 | [3322, 4983] | 9596 | [5290, 2960]   |
| 378 | [738, 739] | 3451 | [5563, 5276] | 6524 | [5185, 1769] | 9597 | [10901, 10197] |
| 379 | [740, 741] | 3452 | [5564, 2340] | 6525 | [4656, 8041] | 9598 | [863, 6629]    |
| 380 | [742, 743] | 3453 | [5565, 2903] | 6526 | [8927, 8928] | 9599 | [10544, 2798]  |
| 381 | [744, 745] | 3454 | [5566, 5567] | 6527 | [8644, 8929] | 9600 | [11136, 3000]  |
| 382 | [746, 747] | 3455 | [5568, 2388] | 6528 | [8930, 1579] | 9601 | [6568, 11137]  |
| 383 | [748, 749] | 3456 | [5569, 877]  | 6529 | [5070, 4719] | 9602 | [10587, 11138] |

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|-----|------------|------|--------------|------|--------------|------|----------------|
| 384 | [750, 751] | 3457 | [5570, 5571] | 6530 | [3788, 1736] | 9603 | [822, 228]     |
| 385 | [752, 753] | 3458 | [5290, 5572] | 6531 | [3441, 8931] | 9604 | [5526, 10128]  |
| 386 | [754, 755] | 3459 | [5573, 5403] | 6532 | [8932, 4971] | 9605 | [7149, 11139]  |
| 387 | [756, 757] | 3460 | [5574, 2647] | 6533 | [8933, 80]   | 9606 | [11140, 2252]  |
| 388 | [758, 759] | 3461 | [5575, 2916] | 6534 | [8934, 1134] | 9607 | [11141, 6580]  |
| 389 | [760, 761] | 3462 | [5576, 865]  | 6535 | [1297, 8935] | 9608 | [11142, 9872]  |
| 390 | [762, 763] | 3463 | [5577, 5578] | 6536 | [8936, 8937] | 9609 | [11143, 11144] |
| 391 | [764, 765] | 3464 | [555, 2430]  | 6537 | [8285, 1488] | 9610 | [11145, 2290]  |
| 392 | [766, 767] | 3465 | [5579, 2679] | 6538 | [4304, 8938] | 9611 | [7249, 11146]  |
| 393 | [768, 769] | 3466 | [2193, 5580] | 6539 | [8461, 8073] | 9612 | [2065, 11147]  |
| 394 | [770, 771] | 3467 | [5581, 5582] | 6540 | [8939, 7844] | 9613 | [11148, 11137] |
| 395 | [772, 773] | 3468 | [5583, 5584] | 6541 | [8940, 4749] | 9614 | [11149, 2737]  |
| 396 | [774, 775] | 3469 | [5585, 5586] | 6542 | [8941, 1222] | 9615 | [7336, 7261]   |
| 397 | [776, 777] | 3470 | [5587, 5466] | 6543 | [3922, 7971] | 9616 | [10991, 860]   |
| 398 | [778, 779] | 3471 | [5588, 5589] | 6544 | [8942, 8279] | 9617 | [5787, 9828]   |
| 399 | [780, 781] | 3472 | [5590, 5591] | 6545 | [7918, 7574] | 9618 | [6050, 11150]  |
| 400 | [782, 783] | 3473 | [5592, 2097] | 6546 | [7687, 3780] | 9619 | [11151, 6540]  |
| 401 | [784, 785] | 3474 | [5593, 5556] | 6547 | [3479, 8943] | 9620 | [3151, 10597]  |
| 402 | [786, 787] | 3475 | [5594, 5595] | 6548 | [8944, 8945] | 9621 | [9647, 3084]   |
| 403 | [788, 789] | 3476 | [5596, 659]  | 6549 | [7616, 3340] | 9622 | [878, 11152]   |
| 404 | [790, 791] | 3477 | [5597, 5598] | 6550 | [8946, 3999] | 9623 | [3165, 5505]   |
| 405 | [792, 793] | 3478 | [5599, 5600] | 6551 | [8507, 8947] | 9624 | [11153, 960]   |
| 406 | [794, 795] | 3479 | [5601, 5602] | 6552 | [8948, 8949] | 9625 | [899, 11154]   |
| 407 | [796, 797] | 3480 | [5603, 5340] | 6553 | [8950, 28]   | 9626 | [7355, 169]    |
| 408 | [798, 799] | 3481 | [5604, 5605] | 6554 | [7562, 8951] | 9627 | [11121, 10600] |
| 409 | [800, 801] | 3482 | [5606, 2479] | 6555 | [7627, 1763] | 9628 | [10668, 11155] |
| 410 | [802, 803] | 3483 | [2719, 5607] | 6556 | [7761, 8952] | 9629 | [11156, 2231]  |
| 411 | [804, 774] | 3484 | [5608, 5499] | 6557 | [4685, 8953] | 9630 | [11157, 11158] |
| 412 | [805, 806] | 3485 | [5609, 2939] | 6558 | [8134, 4680] | 9631 | [5943, 2382]   |
| 413 | [807, 808] | 3486 | [5610, 5611] | 6559 | [8954, 8348] | 9632 | [10985, 5809]  |
| 414 | [809, 810] | 3487 | [5612, 5613] | 6560 | [8955, 8956] | 9633 | [10284, 850]   |
| 415 | [811, 812] | 3488 | [5614, 5505] | 6561 | [411, 4264]  | 9634 | [9982, 6034]   |
| 416 | [813, 814] | 3489 | [5615, 5616] | 6562 | [8950, 432]  | 9635 | [2600, 6254]   |
| 417 | [815, 816] | 3490 | [5617, 5618] | 6563 | [8957, 3518] | 9636 | [11159, 5281]  |
| 418 | [817, 818] | 3491 | [5619, 5620] | 6564 | [8958, 1791] | 9637 | [11011, 2416]  |
| 419 | [819, 820] | 3492 | [5621, 5622] | 6565 | [4298, 7820] | 9638 | [2261, 1971]   |
| 420 | [821, 822] | 3493 | [5623, 3147] | 6566 | [1157, 5119] | 9639 | [6626, 11160]  |
| 421 | [823, 824] | 3494 | [693, 2987]  | 6567 | [8959, 8960] | 9640 | [11161, 5750]  |
| 422 | [825, 826] | 3495 | [5624, 5625] | 6568 | [8961, 8962] | 9641 | [10704, 11162] |
| 423 | [534, 827] | 3496 | [5626, 5627] | 6569 | [1063, 1559] | 9642 | [11163, 11164] |
| 424 | [828, 829] | 3497 | [5628, 3103] | 6570 | [8963, 8964] | 9643 | [11165, 5753]  |
| 425 | [830, 831] | 3498 | [5629, 5630] | 6571 | [8965, 4878] | 9644 | [11166, 5464]  |
| 426 | [832, 552] | 3499 | [5631, 5632] | 6572 | [5040, 7666] | 9645 | [7181, 3072]   |
| 427 | [833, 834] | 3500 | [5633, 5634] | 6573 | [8966, 8967] | 9646 | [7049, 11167]  |

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|-----|------------|------|--------------|------|--------------|------|----------------|
| 428 | [835, 836] | 3501 | [5635, 647]  | 6574 | [4587, 1074] | 9647 | [8899, 1265]   |
| 429 | [714, 837] | 3502 | [3100, 164]  | 6575 | [321, 343]   | 9648 | [3224, 3513]   |
| 430 | [838, 839] | 3503 | [5636, 5555] | 6576 | [8968, 8969] | 9649 | [9448, 23]     |
| 431 | [840, 841] | 3504 | [5637, 5638] | 6577 | [7720, 8970] | 9650 | [9613, 1553]   |
| 432 | [842, 843] | 3505 | [5639, 5640] | 6578 | [8971, 3692] | 9651 | [11168, 9013]  |
| 433 | [844, 845] | 3506 | [5641, 1888] | 6579 | [8972, 8872] | 9652 | [11169, 8708]  |
| 434 | [846, 847] | 3507 | [5642, 5643] | 6580 | [8973, 8974] | 9653 | [11170, 1209]  |
| 435 | [848, 849] | 3508 | [1862, 5644] | 6581 | [8689, 8975] | 9654 | [11171, 11172] |
| 436 | [850, 851] | 3509 | [5645, 5646] | 6582 | [8190, 8426] | 9655 | [8236, 8582]   |
| 437 | [852, 853] | 3510 | [2112, 5647] | 6583 | [8976, 8977] | 9656 | [5190, 1694]   |
| 438 | [854, 855] | 3511 | [5648, 5389] | 6584 | [8978, 4166] | 9657 | [4572, 8652]   |
| 439 | [856, 857] | 3512 | [5649, 3162] | 6585 | [8979, 4725] | 9658 | [3594, 11173]  |
| 440 | [858, 859] | 3513 | [5650, 5507] | 6586 | [4201, 4181] | 9659 | [11174, 11175] |
| 441 | [860, 861] | 3514 | [161, 5651]  | 6587 | [7571, 4535] | 9660 | [11176, 9031]  |
| 442 | [862, 863] | 3515 | [5652, 46]   | 6588 | [8980, 8884] | 9661 | [4018, 11177]  |
| 443 | [864, 623] | 3516 | [5653, 5654] | 6589 | [8981, 8207] | 9662 | [11178, 3508]  |
| 444 | [865, 866] | 3517 | [5655, 5656] | 6590 | [8982, 437]  | 9663 | [11179, 3993]  |
| 445 | [867, 868] | 3518 | [5657, 2997] | 6591 | [8983, 4573] | 9664 | [7809, 8619]   |
| 446 | [869, 870] | 3519 | [5658, 5659] | 6592 | [1632, 111]  | 9665 | [11180, 3463]  |
| 447 | [871, 872] | 3520 | [5255, 5660] | 6593 | [8984, 8985] | 9666 | [11181, 402]   |
| 448 | [873, 874] | 3521 | [5661, 5662] | 6594 | [1272, 8986] | 9667 | [7988, 4869]   |
| 449 | [875, 876] | 3522 | [5663, 5664] | 6595 | [8987, 8988] | 9668 | [4576, 11182]  |
| 450 | [877, 878] | 3523 | [2237, 5665] | 6596 | [8527, 8989] | 9669 | [11183, 3888]  |
| 451 | [879, 880] | 3524 | [2305, 5666] | 6597 | [4291, 5089] | 9670 | [9527, 414]    |
| 452 | [881, 882] | 3525 | [5667, 558]  | 6598 | [4705, 1463] | 9671 | [4203, 4101]   |
| 453 | [883, 884] | 3526 | [1957, 5668] | 6599 | [8990, 8991] | 9672 | [11184, 11185] |
| 454 | [885, 886] | 3527 | [5669, 5670] | 6600 | [8961, 7915] | 9673 | [1108, 11186]  |
| 455 | [887, 888] | 3528 | [5671, 2982] | 6601 | [8992, 8993] | 9674 | [11187, 3345]  |
| 456 | [889, 890] | 3529 | [5672, 2431] | 6602 | [7713, 4193] | 9675 | [11188, 11189] |
| 457 | [891, 892] | 3530 | [5279, 5673] | 6603 | [1288, 1173] | 9676 | [11190, 11191] |
| 458 | [893, 894] | 3531 | [5433, 5674] | 6604 | [8994, 3253] | 9677 | [4084, 11192]  |
| 459 | [895, 896] | 3532 | [2688, 5675] | 6605 | [7668, 7761] | 9678 | [11193, 8215]  |
| 460 | [897, 898] | 3533 | [5676, 570]  | 6606 | [8995, 8996] | 9679 | [11194, 11195] |
| 461 | [899, 900] | 3534 | [2565, 662]  | 6607 | [7936, 267]  | 9680 | [11196, 7739]  |
| 462 | [901, 902] | 3535 | [5677, 5678] | 6608 | [3950, 3938] | 9681 | [11197, 8772]  |
| 463 | [903, 904] | 3536 | [5679, 5680] | 6609 | [8997, 8998] | 9682 | [8600, 11198]  |
| 464 | [905, 906] | 3537 | [1899, 5275] | 6610 | [8999, 3630] | 9683 | [11199, 4770]  |
| 465 | [907, 908] | 3538 | [5681, 5682] | 6611 | [8481, 9000] | 9684 | [11200, 4739]  |
| 466 | [909, 910] | 3539 | [5683, 5413] | 6612 | [1731, 9001] | 9685 | [1697, 8943]   |
| 467 | [911, 912] | 3540 | [5684, 689]  | 6613 | [9002, 475]  | 9686 | [8852, 7823]   |
| 468 | [913, 914] | 3541 | [5685, 5686] | 6614 | [9003, 1258] | 9687 | [5092, 7835]   |
| 469 | [915, 916] | 3542 | [3001, 1989] | 6615 | [30, 7723]   | 9688 | [4174, 11201]  |
| 470 | [917, 918] | 3543 | [5687, 5688] | 6616 | [9004, 1191] | 9689 | [11202, 3858]  |
| 471 | [919, 920] | 3544 | [5689, 5690] | 6617 | [1061, 4996] | 9690 | [4348, 11203]  |

|     |              |      |              |      |              |      |                |
|-----|--------------|------|--------------|------|--------------|------|----------------|
| 472 | [921, 922]   | 3545 | [1975, 5691] | 6618 | [3631, 7935] | 9691 | [3577, 11204]  |
| 473 | [923, 924]   | 3546 | [5692, 5693] | 6619 | [9005, 4278] | 9692 | [11205, 11206] |
| 474 | [925, 926]   | 3547 | [5694, 5695] | 6620 | [3611, 4528] | 9693 | [8421, 4515]   |
| 475 | [927, 928]   | 3548 | [5696, 5697] | 6621 | [8025, 9006] | 9694 | [3728, 11207]  |
| 476 | [929, 930]   | 3549 | [3155, 5698] | 6622 | [7659, 1639] | 9695 | [4318, 1740]   |
| 477 | [931, 932]   | 3550 | [5699, 5700] | 6623 | [265, 9007]  | 9696 | [8473, 3618]   |
| 478 | [933, 934]   | 3551 | [5701, 5702] | 6624 | [4195, 9008] | 9697 | [7588, 11208]  |
| 479 | [935, 936]   | 3552 | [5703, 5704] | 6625 | [1445, 3764] | 9698 | [11209, 5007]  |
| 480 | [937, 590]   | 3553 | [5705, 5316] | 6626 | [9009, 9010] | 9699 | [8638, 3476]   |
| 481 | [938, 939]   | 3554 | [5706, 5707] | 6627 | [9011, 7712] | 9700 | [1551, 8127]   |
| 482 | [940, 941]   | 3555 | [5708, 5709] | 6628 | [9012, 9013] | 9701 | [4374, 5170]   |
| 483 | [942, 943]   | 3556 | [5710, 5711] | 6629 | [441, 8373]  | 9702 | [3696, 11210]  |
| 484 | [944, 945]   | 3557 | [597, 5712]  | 6630 | [1274, 9014] | 9703 | [11211, 3837]  |
| 485 | [946, 947]   | 3558 | [2860, 5713] | 6631 | [8610, 7717] | 9704 | [8760, 8878]   |
| 486 | [948, 949]   | 3559 | [5714, 5715] | 6632 | [9015, 9016] | 9705 | [1629, 4212]   |
| 487 | [950, 951]   | 3560 | [5716, 5717] | 6633 | [9017, 325]  | 9706 | [9232, 11212]  |
| 488 | [952, 953]   | 3561 | [5718, 2230] | 6634 | [9018, 7565] | 9707 | [9547, 1061]   |
| 489 | [954, 955]   | 3562 | [887, 5719]  | 6635 | [8587, 1458] | 9708 | [11213, 9518]  |
| 490 | [956, 957]   | 3563 | [5720, 2364] | 6636 | [9019, 9020] | 9709 | [8952, 11214]  |
| 491 | [958, 667]   | 3564 | [930, 5442]  | 6637 | [7707, 9021] | 9710 | [11215, 8277]  |
| 492 | [959, 545]   | 3565 | [2123, 2328] | 6638 | [9022, 303]  | 9711 | [11216, 11217] |
| 493 | [960, 961]   | 3566 | [5721, 5651] | 6639 | [1770, 9023] | 9712 | [11218, 11219] |
| 494 | [962, 963]   | 3567 | [5375, 5722] | 6640 | [9024, 8818] | 9713 | [4369, 11220]  |
| 495 | [964, 965]   | 3568 | [5723, 2213] | 6641 | [3931, 9025] | 9714 | [8808, 7810]   |
| 496 | [966, 967]   | 3569 | [5724, 5725] | 6642 | [9026, 4865] | 9715 | [9250, 9078]   |
| 497 | [968, 969]   | 3570 | [5726, 2785] | 6643 | [9027, 8613] | 9716 | [1799, 1537]   |
| 498 | [970, 971]   | 3571 | [597, 5727]  | 6644 | [4057, 8923] | 9717 | [11221, 1285]  |
| 499 | [972, 973]   | 3572 | [2778, 5728] | 6645 | [8448, 4026] | 9718 | [11222, 8502]  |
| 500 | [974, 975]   | 3573 | [5729, 5730] | 6646 | [9028, 9029] | 9719 | [11223, 9404]  |
| 501 | [976, 977]   | 3574 | [5731, 5732] | 6647 | [101, 5159]  | 9720 | [7822, 9165]   |
| 502 | [978, 979]   | 3575 | [5733, 5734] | 6648 | [9030, 9031] | 9721 | [8692, 88]     |
| 503 | [980, 981]   | 3576 | [5735, 5417] | 6649 | [4728, 8849] | 9722 | [325, 11224]   |
| 504 | [427, 982]   | 3577 | [245, 2369]  | 6650 | [9032, 9033] | 9723 | [11225, 8783]  |
| 505 | [983, 984]   | 3578 | [5736, 2831] | 6651 | [9034, 9035] | 9724 | [1532, 1722]   |
| 506 | [985, 986]   | 3579 | [5737, 5738] | 6652 | [9036, 3622] | 9725 | [4943, 11226]  |
| 507 | [279, 987]   | 3580 | [5739, 2132] | 6653 | [9037, 9038] | 9726 | [4254, 11227]  |
| 508 | [988, 989]   | 3581 | [5740, 5741] | 6654 | [3773, 9039] | 9727 | [1410, 11228]  |
| 509 | [990, 991]   | 3582 | [3098, 5742] | 6655 | [3591, 363]  | 9728 | [3851, 8833]   |
| 510 | [992, 993]   | 3583 | [3102, 5743] | 6656 | [8210, 1153] | 9729 | [3452, 1261]   |
| 511 | [994, 995]   | 3584 | [914, 2943]  | 6657 | [4770, 9040] | 9730 | [8290, 8433]   |
| 512 | [996, 997]   | 3585 | [150, 5744]  | 6658 | [4695, 3931] | 9731 | [4813, 11229]  |
| 513 | [998, 999]   | 3586 | [5745, 595]  | 6659 | [9041, 9042] | 9732 | [11230, 3405]  |
| 514 | [1000, 1001] | 3587 | [5746, 5747] | 6660 | [8954, 9043] | 9733 | [11231, 11232] |
| 515 | [466, 1002]  | 3588 | [5476, 3192] | 6661 | [4632, 7737] | 9734 | [4536, 11233]  |

|     |              |      |              |      |              |      |                |
|-----|--------------|------|--------------|------|--------------|------|----------------|
| 516 | [1003, 1004] | 3589 | [2016, 5748] | 6662 | [8325, 4111] | 9735 | [11234, 11234] |
| 517 | [1005, 1006] | 3590 | [833, 631]   | 6663 | [9044, 9045] | 9736 | [7710, 8071]   |
| 518 | [1007, 1008] | 3591 | [5749, 711]  | 6664 | [8049, 9046] | 9737 | [4225, 11235]  |
| 519 | [1009, 1010] | 3592 | [3182, 5750] | 6665 | [7604, 8716] | 9738 | [11236, 4208]  |
| 520 | [1011, 1012] | 3593 | [5751, 5752] | 6666 | [8895, 3429] | 9739 | [7662, 4240]   |
| 521 | [1013, 403]  | 3594 | [5753, 178]  | 6667 | [3686, 7892] | 9740 | [9550, 11237]  |
| 522 | [1014, 1015] | 3595 | [5754, 5755] | 6668 | [9047, 9048] | 9741 | [11238, 1502]  |
| 523 | [1016, 1017] | 3596 | [2801, 5538] | 6669 | [8621, 1119] | 9742 | [11239, 9308]  |
| 524 | [1018, 1019] | 3597 | [5756, 5757] | 6670 | [7976, 4701] | 9743 | [7805, 1053]   |
| 525 | [1020, 1021] | 3598 | [5758, 5759] | 6671 | [1533, 4707] | 9744 | [11240, 7775]  |
| 526 | [1022, 1023] | 3599 | [2870, 5457] | 6672 | [8026, 4470] | 9745 | [11236, 9436]  |
| 527 | [1024, 1025] | 3600 | [5760, 2799] | 6673 | [9049, 9050] | 9746 | [1117, 11241]  |
| 528 | [1026, 1027] | 3601 | [5761, 50]   | 6674 | [3550, 8085] | 9747 | [11242, 8253]  |
| 529 | [1028, 1029] | 3602 | [5762, 5763] | 6675 | [9051, 1802] | 9748 | [7749, 11243]  |
| 530 | [1030, 1031] | 3603 | [5764, 5765] | 6676 | [9052, 8551] | 9749 | [11244, 3526]  |
| 531 | [1032, 1033] | 3604 | [5766, 2396] | 6677 | [3500, 9053] | 9750 | [11245, 8274]  |
| 532 | [1034, 1035] | 3605 | [5767, 5768] | 6678 | [4774, 9054] | 9751 | [11246, 4268]  |
| 533 | [1036, 1037] | 3606 | [5769, 5770] | 6679 | [9055, 9056] | 9752 | [11247, 3609]  |
| 534 | [1038, 1039] | 3607 | [5771, 2121] | 6680 | [9057, 4614] | 9753 | [3511, 11248]  |
| 535 | [1040, 1041] | 3608 | [5772, 5773] | 6681 | [9058, 9059] | 9754 | [11249, 11250] |
| 536 | [1042, 1043] | 3609 | [5774, 3104] | 6682 | [9060, 9038] | 9755 | [11251, 11252] |
| 537 | [1044, 1045] | 3610 | [5775, 5776] | 6683 | [337, 5139]  | 9756 | [11253, 11254] |
| 538 | [1046, 1047] | 3611 | [5777, 2136] | 6684 | [9061, 4245] | 9757 | [8218, 11255]  |
| 539 | [1048, 1049] | 3612 | [5778, 2159] | 6685 | [9062, 1657] | 9758 | [9460, 8264]   |
| 540 | [1050, 346]  | 3613 | [1910, 5779] | 6686 | [5142, 8132] | 9759 | [8020, 7738]   |
| 541 | [1051, 1007] | 3614 | [5780, 5781] | 6687 | [3663, 9063] | 9760 | [4065, 4612]   |
| 542 | [1052, 1053] | 3615 | [5782, 2305] | 6688 | [9064, 4508] | 9761 | [11256, 11257] |
| 543 | [1054, 1055] | 3616 | [5783, 5784] | 6689 | [4644, 3829] | 9762 | [8847, 11258]  |
| 544 | [1056, 1057] | 3617 | [807, 5785]  | 6690 | [7896, 9065] | 9763 | [11259, 3375]  |
| 545 | [1058, 1059] | 3618 | [5786, 5787] | 6691 | [9066, 4804] | 9764 | [4980, 8009]   |
| 546 | [1060, 1061] | 3619 | [5788, 2602] | 6692 | [9067, 9068] | 9765 | [11260, 4619]  |
| 547 | [1062, 1063] | 3620 | [2323, 5789] | 6693 | [1677, 5073] | 9766 | [4323, 4764]   |
| 548 | [1064, 1065] | 3621 | [5790, 5791] | 6694 | [9069, 9070] | 9767 | [4707, 8860]   |
| 549 | [1066, 1067] | 3622 | [5792, 5793] | 6695 | [9071, 1679] | 9768 | [11261, 4910]  |
| 550 | [1068, 1069] | 3623 | [5794, 5795] | 6696 | [1457, 9072] | 9769 | [11262, 1497]  |
| 551 | [1070, 1071] | 3624 | [5796, 5797] | 6697 | [5020, 9008] | 9770 | [11263, 5014]  |
| 552 | [1072, 1073] | 3625 | [5798, 5799] | 6698 | [9073, 1462] | 9771 | [9247, 11264]  |
| 553 | [1074, 1075] | 3626 | [2989, 506]  | 6699 | [1455, 9074] | 9772 | [11265, 11266] |
| 554 | [1076, 1077] | 3627 | [5800, 5801] | 6700 | [3845, 4167] | 9773 | [11267, 8519]  |
| 555 | [1078, 1079] | 3628 | [5802, 5803] | 6701 | [1045, 78]   | 9774 | [11268, 4541]  |
| 556 | [1080, 256]  | 3629 | [5804, 2519] | 6702 | [5178, 9075] | 9775 | [9622, 8272]   |
| 557 | [1081, 1082] | 3630 | [2441, 5805] | 6703 | [9076, 4844] | 9776 | [11269, 989]   |
| 558 | [78, 1083]   | 3631 | [5806, 5807] | 6704 | [9011, 9077] | 9777 | [9777, 9777]   |
| 559 | [1084, 1085] | 3632 | [5808, 5809] | 6705 | [4556, 1399] | 9778 | [3906, 11270]  |

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|-----|--------------|------|--------------|------|--------------|------|----------------|
| 560 | [471, 1086]  | 3633 | [5810, 5811] | 6706 | [9078, 9079] | 9779 | [11271, 11272] |
| 561 | [1087, 1088] | 3634 | [622, 2996]  | 6707 | [9080, 1193] | 9780 | [11273, 11274] |
| 562 | [1089, 1090] | 3635 | [5812, 5813] | 6708 | [8705, 1091] | 9781 | [9132, 3986]   |
| 563 | [1091, 1092] | 3636 | [5814, 5815] | 6709 | [9081, 9082] | 9782 | [9344, 7905]   |
| 564 | [1093, 1094] | 3637 | [2592, 5816] | 6710 | [7760, 9083] | 9783 | [8317, 3238]   |
| 565 | [1095, 1096] | 3638 | [5817, 751]  | 6711 | [1803, 5024] | 9784 | [11275, 1584]  |
| 566 | [1097, 1098] | 3639 | [616, 2998]  | 6712 | [9084, 5023] | 9785 | [11276, 3988]  |
| 567 | [1099, 1100] | 3640 | [5818, 871]  | 6713 | [9085, 3394] | 9786 | [4960, 1349]   |
| 568 | [1101, 1102] | 3641 | [2625, 5819] | 6714 | [9086, 8490] | 9787 | [11277, 4487]  |
| 569 | [1103, 1104] | 3642 | [2633, 5585] | 6715 | [9087, 4986] | 9788 | [11278, 11279] |
| 570 | [82, 1105]   | 3643 | [5820, 5821] | 6716 | [9088, 5076] | 9789 | [11280, 11281] |
| 571 | [1106, 1107] | 3644 | [5822, 5823] | 6717 | [3800, 9089] | 9790 | [4681, 7848]   |
| 572 | [1108, 1109] | 3645 | [5824, 2078] | 6718 | [3752, 7938] | 9791 | [4496, 7650]   |
| 573 | [1110, 1111] | 3646 | [5825, 5826] | 6719 | [7963, 4850] | 9792 | [4139, 11282]  |
| 574 | [1112, 1113] | 3647 | [5827, 2248] | 6720 | [3798, 1282] | 9793 | [11283, 11284] |
| 575 | [1114, 1115] | 3648 | [5828, 5341] | 6721 | [9090, 9091] | 9794 | [7943, 3771]   |
| 576 | [1116, 1117] | 3649 | [5829, 5830] | 6722 | [8040, 3228] | 9795 | [11285, 11286] |
| 577 | [1118, 1119] | 3650 | [5329, 2466] | 6723 | [3757, 7790] | 9796 | [1538, 4081]   |
| 578 | [1120, 1121] | 3651 | [5831, 5832] | 6724 | [4529, 3223] | 9797 | [11287, 1753]  |
| 579 | [1122, 1123] | 3652 | [5833, 514]  | 6725 | [5088, 4682] | 9798 | [9439, 11288]  |
| 580 | [1124, 1125] | 3653 | [5834, 5835] | 6726 | [9037, 9092] | 9799 | [4203, 3495]   |
| 581 | [1126, 1127] | 3654 | [5836, 5837] | 6727 | [435, 4118]  | 9800 | [4686, 4605]   |
| 582 | [1128, 1129] | 3655 | [5838, 154]  | 6728 | [9093, 1319] | 9801 | [8273, 11289]  |
| 583 | [1130, 1131] | 3656 | [5839, 5832] | 6729 | [9094, 8654] | 9802 | [8286, 111]    |
| 584 | [1132, 1133] | 3657 | [5840, 5841] | 6730 | [8902, 9095] | 9803 | [11290, 8432]  |
| 585 | [1134, 1135] | 3658 | [5842, 5843] | 6731 | [8286, 4054] | 9804 | [9484, 8443]   |
| 586 | [1136, 1137] | 3659 | [5844, 5845] | 6732 | [9096, 7875] | 9805 | [397, 259]     |
| 587 | [1138, 125]  | 3660 | [5846, 2905] | 6733 | [9097, 3688] | 9806 | [1324, 9130]   |
| 588 | [1139, 1140] | 3661 | [5847, 5848] | 6734 | [9098, 7547] | 9807 | [11291, 4989]  |
| 589 | [1141, 1142] | 3662 | [5849, 5850] | 6735 | [9099, 9100] | 9808 | [11292, 4833]  |
| 590 | [1143, 1144] | 3663 | [3091, 872]  | 6736 | [9101, 9102] | 9809 | [11178, 3958]  |
| 591 | [1145, 1146] | 3664 | [5851, 571]  | 6737 | [9030, 9103] | 9810 | [4481, 11293]  |
| 592 | [1147, 322]  | 3665 | [5852, 5853] | 6738 | [9104, 8451] | 9811 | [5041, 7667]   |
| 593 | [1148, 1149] | 3666 | [5854, 5855] | 6739 | [9105, 1657] | 9812 | [9061, 3424]   |
| 594 | [1150, 1151] | 3667 | [5856, 591]  | 6740 | [4580, 9106] | 9813 | [11211, 7692]  |
| 595 | [1152, 1153] | 3668 | [1911, 5857] | 6741 | [3248, 7905] | 9814 | [21, 11294]    |
| 596 | [1154, 1155] | 3669 | [5689, 5858] | 6742 | [9107, 9108] | 9815 | [7976, 3449]   |
| 597 | [1156, 1157] | 3670 | [3089, 5456] | 6743 | [9109, 9110] | 9816 | [8933, 11295]  |
| 598 | [1158, 1159] | 3671 | [5859, 3170] | 6744 | [9111, 9112] | 9817 | [8111, 1058]   |
| 599 | [1160, 1161] | 3672 | [5860, 2018] | 6745 | [7628, 8416] | 9818 | [11296, 9160]  |
| 600 | [1162, 1163] | 3673 | [599, 5861]  | 6746 | [8453, 9113] | 9819 | [11297, 4511]  |
| 601 | [1164, 1165] | 3674 | [5862, 5863] | 6747 | [9114, 9115] | 9820 | [477, 3754]    |
| 602 | [1166, 1167] | 3675 | [5864, 2255] | 6748 | [9029, 9116] | 9821 | [402, 11298]   |
| 603 | [1168, 1169] | 3676 | [2289, 5865] | 6749 | [9117, 1118] | 9822 | [11299, 11300] |

|     |              |      |              |      |              |      |                |
|-----|--------------|------|--------------|------|--------------|------|----------------|
| 604 | [1170, 1171] | 3677 | [5866, 5867] | 6750 | [9118, 3309] | 9823 | [11301, 9139]  |
| 605 | [1172, 1173] | 3678 | [2676, 791]  | 6751 | [1381, 3305] | 9824 | [7762, 4608]   |
| 606 | [1174, 1175] | 3679 | [5868, 2120] | 6752 | [9119, 5190] | 9825 | [1509, 11302]  |
| 607 | [1176, 1177] | 3680 | [5869, 5709] | 6753 | [9120, 4534] | 9826 | [11303, 11179] |
| 608 | [1178, 332]  | 3681 | [1861, 5870] | 6754 | [442, 4763]  | 9827 | [11304, 11305] |
| 609 | [1179, 1180] | 3682 | [5871, 5872] | 6755 | [5125, 3545] | 9828 | [11306, 1035]  |
| 610 | [1181, 1182] | 3683 | [5873, 177]  | 6756 | [9121, 9122] | 9829 | [8141, 1388]   |
| 611 | [1183, 1184] | 3684 | [5874, 5875] | 6757 | [9123, 8016] | 9830 | [11186, 4085]  |
| 612 | [1185, 1186] | 3685 | [5876, 2767] | 6758 | [7823, 3273] | 9831 | [11307, 11308] |
| 613 | [1187, 1188] | 3686 | [2907, 2102] | 6759 | [8784, 4234] | 9832 | [344, 7873]    |
| 614 | [1189, 1190] | 3687 | [5877, 5878] | 6760 | [9124, 9125] | 9833 | [8770, 5146]   |
| 615 | [1191, 271]  | 3688 | [5879, 5880] | 6761 | [1693, 337]  | 9834 | [11309, 3922]  |
| 616 | [1192, 1193] | 3689 | [5881, 5678] | 6762 | [3651, 1032] | 9835 | [3525, 284]    |
| 617 | [1194, 1195] | 3690 | [5882, 5883] | 6763 | [1106, 5147] | 9836 | [11310, 3804]  |
| 618 | [1196, 1197] | 3691 | [5884, 5885] | 6764 | [9094, 9126] | 9837 | [11311, 9400]  |
| 619 | [1198, 1199] | 3692 | [5886, 1957] | 6765 | [8034, 9127] | 9838 | [11312, 8158]  |
| 620 | [1200, 1201] | 3693 | [5887, 5888] | 6766 | [9006, 9011] | 9839 | [1529, 11313]  |
| 621 | [1202, 972]  | 3694 | [5889, 5620] | 6767 | [9128, 4318] | 9840 | [8907, 11314]  |
| 622 | [1203, 1204] | 3695 | [5640, 5890] | 6768 | [9129, 9130] | 9841 | [4132, 8414]   |
| 623 | [1205, 27]   | 3696 | [5891, 5892] | 6769 | [7949, 1380] | 9842 | [8591, 435]    |
| 624 | [1206, 1207] | 3697 | [2276, 5893] | 6770 | [9131, 9132] | 9843 | [1510, 3940]   |
| 625 | [1208, 1209] | 3698 | [5894, 5895] | 6771 | [28, 433]    | 9844 | [3624, 9388]   |
| 626 | [1210, 1211] | 3699 | [5896, 5897] | 6772 | [4054, 112]  | 9845 | [11315, 11316] |
| 627 | [1212, 1213] | 3700 | [2358, 886]  | 6773 | [9133, 9134] | 9846 | [9610, 1229]   |
| 628 | [1214, 1215] | 3701 | [5670, 2673] | 6774 | [4181, 9135] | 9847 | [11317, 3336]  |
| 629 | [1216, 1217] | 3702 | [5898, 2027] | 6775 | [9136, 5020] | 9848 | [9544, 11318]  |
| 630 | [1218, 1219] | 3703 | [5899, 5900] | 6776 | [9137, 9138] | 9849 | [1354, 4121]   |
| 631 | [1220, 1221] | 3704 | [5901, 5902] | 6777 | [86, 4073]   | 9850 | [4027, 5004]   |
| 632 | [1138, 1222] | 3705 | [696, 5309]  | 6778 | [9139, 7898] | 9851 | [3784, 400]    |
| 633 | [1223, 1224] | 3706 | [5903, 5904] | 6779 | [3724, 1136] | 9852 | [3357, 3929]   |
| 634 | [1225, 1226] | 3707 | [5905, 5906] | 6780 | [8811, 3831] | 9853 | [3390, 8982]   |
| 635 | [1227, 1228] | 3708 | [5907, 5908] | 6781 | [9140, 8267] | 9854 | [1449, 1794]   |
| 636 | [1229, 1230] | 3709 | [5909, 2283] | 6782 | [9141, 8352] | 9855 | [11319, 26]    |
| 637 | [1231, 478]  | 3710 | [5910, 2061] | 6783 | [9142, 9143] | 9856 | [11320, 281]   |
| 638 | [1232, 1233] | 3711 | [5911, 5912] | 6784 | [9144, 4976] | 9857 | [11321, 1038]  |
| 639 | [1234, 1235] | 3712 | [5913, 5914] | 6785 | [1014, 9145] | 9858 | [7600, 4966]   |
| 640 | [1236, 1237] | 3713 | [5617, 5915] | 6786 | [9146, 8173] | 9859 | [8119, 1055]   |
| 641 | [1238, 1239] | 3714 | [5916, 5917] | 6787 | [9147, 9148] | 9860 | [7699, 11322]  |
| 642 | [1240, 1241] | 3715 | [1882, 5918] | 6788 | [8796, 4683] | 9861 | [8177, 11323]  |
| 643 | [1242, 1243] | 3716 | [5919, 5920] | 6789 | [8565, 8736] | 9862 | [4853, 3397]   |
| 644 | [1244, 1245] | 3717 | [5386, 2270] | 6790 | [9149, 4584] | 9863 | [1618, 7804]   |
| 645 | [1246, 1159] | 3718 | [563, 962]   | 6791 | [3268, 9150] | 9864 | [3486, 7683]   |
| 646 | [1247, 1248] | 3719 | [5921, 5922] | 6792 | [8865, 7809] | 9865 | [4367, 11324]  |
| 647 | [1249, 1250] | 3720 | [2775, 5660] | 6793 | [3514, 8699] | 9866 | [486, 9619]    |

|     |              |      |              |      |              |      |                |
|-----|--------------|------|--------------|------|--------------|------|----------------|
| 648 | [1251, 1252] | 3721 | [5923, 5924] | 6794 | [8606, 9151] | 9867 | [8929, 4262]   |
| 649 | [1253, 1254] | 3722 | [667, 5925]  | 6795 | [8188, 8921] | 9868 | [3338, 3485]   |
| 650 | [1255, 1256] | 3723 | [5926, 5927] | 6796 | [9152, 9153] | 9869 | [8468, 11325]  |
| 651 | [1257, 1258] | 3724 | [5928, 2126] | 6797 | [9154, 1564] | 9870 | [310, 7821]    |
| 652 | [1259, 1260] | 3725 | [5929, 2272] | 6798 | [323, 9155]  | 9871 | [3605, 8773]   |
| 653 | [1261, 1262] | 3726 | [5785, 3036] | 6799 | [8733, 1645] | 9872 | [11326, 7672]  |
| 654 | [1263, 1264] | 3727 | [5930, 2522] | 6800 | [9156, 4886] | 9873 | [1569, 11327]  |
| 655 | [1265, 1266] | 3728 | [5931, 5932] | 6801 | [4675, 3777] | 9874 | [11328, 4888]  |
| 656 | [338, 1267]  | 3729 | [5933, 5459] | 6802 | [1581, 8632] | 9875 | [11329, 1717]  |
| 657 | [1268, 445]  | 3730 | [5934, 5935] | 6803 | [9157, 1677] | 9876 | [11330, 1765]  |
| 658 | [1269, 1270] | 3731 | [5936, 5937] | 6804 | [1030, 9158] | 9877 | [4603, 8024]   |
| 659 | [1271, 1272] | 3732 | [5938, 5939] | 6805 | [3882, 8700] | 9878 | [7601, 11331]  |
| 660 | [1273, 1274] | 3733 | [5940, 5941] | 6806 | [4213, 3545] | 9879 | [7845, 7969]   |
| 661 | [1275, 1276] | 3734 | [5942, 5214] | 6807 | [4249, 9159] | 9880 | [11332, 3915]  |
| 662 | [1277, 1278] | 3735 | [5943, 5944] | 6808 | [9160, 1024] | 9881 | [4301, 11333]  |
| 663 | [1279, 1280] | 3736 | [3027, 5945] | 6809 | [1271, 8553] | 9882 | [11334, 8403]  |
| 664 | [1281, 426]  | 3737 | [5946, 5947] | 6810 | [7785, 3434] | 9883 | [11335, 3856]  |
| 665 | [1282, 1283] | 3738 | [5948, 5593] | 6811 | [8024, 3627] | 9884 | [9246, 3390]   |
| 666 | [1284, 1028] | 3739 | [5949, 2030] | 6812 | [9161, 9162] | 9885 | [11336, 311]   |
| 667 | [1285, 1286] | 3740 | [5215, 5950] | 6813 | [9163, 4141] | 9886 | [11337, 11338] |
| 668 | [1287, 1288] | 3741 | [5951, 5952] | 6814 | [9164, 9165] | 9887 | [3308, 8747]   |
| 669 | [1289, 1290] | 3742 | [5953, 2924] | 6815 | [8642, 9166] | 9888 | [89, 11339]    |
| 670 | [1291, 1292] | 3743 | [2883, 5954] | 6816 | [325, 7595]  | 9889 | [11340, 4146]  |
| 671 | [1293, 1294] | 3744 | [5955, 5956] | 6817 | [9167, 3479] | 9890 | [9395, 11341]  |
| 672 | [1295, 1296] | 3745 | [5957, 5958] | 6818 | [8231, 5055] | 9891 | [8975, 4362]   |
| 673 | [1297, 1298] | 3746 | [5959, 5960] | 6819 | [9168, 7879] | 9892 | [11342, 11343] |
| 674 | [1299, 1300] | 3747 | [5961, 5962] | 6820 | [5045, 4807] | 9893 | [1468, 8228]   |
| 675 | [1301, 1028] | 3748 | [5963, 5964] | 6821 | [9169, 9170] | 9894 | [11251, 7701]  |
| 676 | [1302, 1303] | 3749 | [5965, 5966] | 6822 | [4616, 8118] | 9895 | [112, 7784]    |
| 677 | [1304, 1305] | 3750 | [5967, 888]  | 6823 | [8570, 7964] | 9896 | [1777, 8952]   |
| 678 | [1306, 1307] | 3751 | [5968, 5969] | 6824 | [9171, 9172] | 9897 | [11344, 3603]  |
| 679 | [1308, 1309] | 3752 | [5970, 5971] | 6825 | [4523, 4757] | 9898 | [4956, 4589]   |
| 680 | [1310, 1311] | 3753 | [5972, 5973] | 6826 | [1334, 9173] | 9899 | [7550, 8247]   |
| 681 | [1312, 1313] | 3754 | [5974, 743]  | 6827 | [9174, 3787] | 9900 | [1761, 1506]   |
| 682 | [1314, 1315] | 3755 | [932, 5975]  | 6828 | [3912, 9175] | 9901 | [9156, 11345]  |
| 683 | [1316, 1317] | 3756 | [5976, 5977] | 6829 | [9176, 3605] | 9902 | [9150, 1095]   |
| 684 | [1318, 1319] | 3757 | [5978, 5979] | 6830 | [8558, 9177] | 9903 | [3900, 11346]  |
| 685 | [1320, 1321] | 3758 | [2510, 5980] | 6831 | [1509, 3656] | 9904 | [8056, 11347]  |
| 686 | [1322, 1323] | 3759 | [5981, 5982] | 6832 | [4867, 3472] | 9905 | [9503, 11348]  |
| 687 | [1324, 1325] | 3760 | [5983, 2153] | 6833 | [9178, 7531] | 9906 | [11349, 8715]  |
| 688 | [1326, 1327] | 3761 | [5984, 5985] | 6834 | [9179, 3670] | 9907 | [11350, 11351] |
| 689 | [1328, 1329] | 3762 | [854, 5986]  | 6835 | [9180, 9181] | 9908 | [1278, 1613]   |
| 690 | [1330, 1331] | 3763 | [5987, 2374] | 6836 | [9182, 3419] | 9909 | [1033, 11352]  |
| 691 | [1332, 1333] | 3764 | [1944, 543]  | 6837 | [4568, 9183] | 9910 | [11353, 11354] |

|     |              |      |              |      |              |      |                |
|-----|--------------|------|--------------|------|--------------|------|----------------|
| 692 | [1334, 1335] | 3765 | [5988, 5989] | 6838 | [9184, 9185] | 9911 | [11355, 4827]  |
| 693 | [1336, 1337] | 3766 | [5990, 542]  | 6839 | [9186, 3399] | 9912 | [8278, 1809]   |
| 694 | [1338, 1339] | 3767 | [5991, 5992] | 6840 | [9187, 1720] | 9913 | [11356, 3841]  |
| 695 | [1340, 1341] | 3768 | [5980, 5993] | 6841 | [9188, 8631] | 9914 | [9180, 4990]   |
| 696 | [1342, 1343] | 3769 | [824, 5994]  | 6842 | [4513, 9189] | 9915 | [11282, 9362]  |
| 697 | [1344, 1345] | 3770 | [618, 5995]  | 6843 | [9190, 370]  | 9916 | [11357, 3692]  |
| 698 | [1346, 1347] | 3771 | [5996, 2989] | 6844 | [9191, 4502] | 9917 | [8630, 7818]   |
| 699 | [1039, 1348] | 3772 | [5997, 5998] | 6845 | [9192, 4356] | 9918 | [1183, 11358]  |
| 700 | [1349, 1350] | 3773 | [5999, 734]  | 6846 | [9193, 9127] | 9919 | [11344, 1727]  |
| 701 | [1351, 1352] | 3774 | [2248, 6000] | 6847 | [9194, 9187] | 9920 | [1549, 11359]  |
| 702 | [1167, 1353] | 3775 | [6001, 2634] | 6848 | [9195, 9196] | 9921 | [8520, 3776]   |
| 703 | [1354, 1355] | 3776 | [6002, 6003] | 6849 | [9197, 4507] | 9922 | [5147, 11360]  |
| 704 | [1356, 1357] | 3777 | [5865, 2246] | 6850 | [8020, 9198] | 9923 | [9136, 4195]   |
| 705 | [1358, 1359] | 3778 | [2620, 6004] | 6851 | [8669, 1406] | 9924 | [8058, 8478]   |
| 706 | [1360, 395]  | 3779 | [6005, 2297] | 6852 | [9199, 9200] | 9925 | [11361, 8848]  |
| 707 | [1361, 1362] | 3780 | [6006, 5392] | 6853 | [1556, 9201] | 9926 | [11362, 11363] |
| 708 | [1363, 1364] | 3781 | [6007, 6008] | 6854 | [1212, 4656] | 9927 | [11364, 4497]  |
| 709 | [1235, 1365] | 3782 | [2337, 6009] | 6855 | [9202, 122]  | 9928 | [7534, 7957]   |
| 710 | [1366, 1367] | 3783 | [6010, 6011] | 6856 | [8526, 9203] | 9929 | [3754, 4472]   |
| 711 | [1368, 1369] | 3784 | [5952, 6012] | 6857 | [9204, 9205] | 9930 | [4287, 11365]  |
| 712 | [1370, 1371] | 3785 | [3100, 1845] | 6858 | [9206, 4803] | 9931 | [9058, 8737]   |
| 713 | [1372, 1373] | 3786 | [2059, 2983] | 6859 | [8089, 1066] | 9932 | [9104, 11366]  |
| 714 | [1374, 1375] | 3787 | [2388, 234]  | 6860 | [8430, 1610] | 9933 | [5072, 1342]   |
| 715 | [1376, 1377] | 3788 | [6013, 6014] | 6861 | [4488, 4337] | 9934 | [7652, 1072]   |
| 716 | [1378, 1379] | 3789 | [6015, 6016] | 6862 | [8538, 8327] | 9935 | [11367, 4685]  |
| 717 | [1380, 1381] | 3790 | [6017, 6018] | 6863 | [9207, 9208] | 9936 | [11368, 8505]  |
| 718 | [1382, 1383] | 3791 | [6019, 6020] | 6864 | [9209, 9210] | 9937 | [1448, 1793]   |
| 719 | [1384, 1385] | 3792 | [132, 2278]  | 6865 | [9211, 8768] | 9938 | [1148, 8681]   |
| 720 | [1386, 1387] | 3793 | [6021, 6022] | 6866 | [9212, 4143] | 9939 | [8674, 9441]   |
| 721 | [1388, 1389] | 3794 | [6023, 6024] | 6867 | [3442, 9213] | 9940 | [7587, 1627]   |
| 722 | [1390, 1391] | 3795 | [6025, 5945] | 6868 | [4853, 263]  | 9941 | [11334, 9357]  |
| 723 | [1392, 1393] | 3796 | [6026, 6027] | 6869 | [9214, 8966] | 9942 | [11369, 4482]  |
| 724 | [1394, 1018] | 3797 | [6028, 6029] | 6870 | [3642, 3895] | 9943 | [7582, 4960]   |
| 725 | [1395, 1396] | 3798 | [6030, 2374] | 6871 | [8906, 9215] | 9944 | [11370, 11371] |
| 726 | [1397, 1398] | 3799 | [6031, 6032] | 6872 | [4740, 3519] | 9945 | [3637, 3207]   |
| 727 | [1399, 1400] | 3800 | [6033, 2068] | 6873 | [4592, 9216] | 9946 | [1427, 1601]   |
| 728 | [1401, 1402] | 3801 | [6034, 6035] | 6874 | [8374, 8994] | 9947 | [8124, 4315]   |
| 729 | [1403, 1404] | 3802 | [6036, 6037] | 6875 | [9217, 9218] | 9948 | [1084, 11372]  |
| 730 | [1405, 486]  | 3803 | [6038, 6039] | 6876 | [8717, 1306] | 9949 | [7766, 1391]   |
| 731 | [1406, 1407] | 3804 | [6040, 6041] | 6877 | [9219, 9220] | 9950 | [9281, 7685]   |
| 732 | [1408, 1409] | 3805 | [6042, 6043] | 6878 | [1526, 3742] | 9951 | [11373, 98]    |
| 733 | [1410, 1411] | 3806 | [6044, 6045] | 6879 | [1396, 3448] | 9952 | [7816, 11374]  |
| 734 | [1412, 1413] | 3807 | [6046, 3066] | 6880 | [9221, 9222] | 9953 | [3501, 8841]   |
| 735 | [1414, 1415] | 3808 | [6047, 2811] | 6881 | [1695, 9223] | 9954 | [1081, 7800]   |

|     |              |      |              |      |              |      |                |
|-----|--------------|------|--------------|------|--------------|------|----------------|
| 736 | [1416, 1417] | 3809 | [6048, 6049] | 6882 | [9224, 288]  | 9955 | [11273, 1309]  |
| 737 | [1418, 1419] | 3810 | [6050, 6051] | 6883 | [9225, 9226] | 9956 | [3473, 1120]   |
| 738 | [1420, 1421] | 3811 | [210, 901]   | 6884 | [9227, 5173] | 9957 | [1596, 11375]  |
| 739 | [1422, 1423] | 3812 | [6052, 5769] | 6885 | [4967, 3369] | 9958 | [9111, 1038]   |
| 740 | [1424, 1425] | 3813 | [6053, 2031] | 6886 | [4166, 1485] | 9959 | [3483, 4596]   |
| 741 | [1426, 1427] | 3814 | [42, 900]    | 6887 | [3201, 1773] | 9960 | [11376, 11377] |
| 742 | [1428, 1429] | 3815 | [6054, 6055] | 6888 | [9228, 4374] | 9961 | [8075, 4779]   |
| 743 | [1430, 1431] | 3816 | [6056, 6057] | 6889 | [1346, 9229] | 9962 | [11225, 1590]  |
| 744 | [1432, 1433] | 3817 | [1949, 2422] | 6890 | [9230, 4870] | 9963 | [3831, 322]    |
| 745 | [1434, 1435] | 3818 | [6058, 6059] | 6891 | [1650, 9231] | 9964 | [11378, 8683]  |
| 746 | [1436, 1437] | 3819 | [6060, 665]  | 6892 | [9232, 8732] | 9965 | [11234, 9777]  |
| 747 | [1438, 1439] | 3820 | [6061, 6062] | 6893 | [1561, 7923] | 9966 | [11379, 3430]  |
| 748 | [1440, 1441] | 3821 | [3058, 2411] | 6894 | [4186, 1059] | 9967 | [11380, 11381] |
| 749 | [1442, 1443] | 3822 | [6063, 6064] | 6895 | [8781, 3850] | 9968 | [1450, 377]    |
| 750 | [1444, 1445] | 3823 | [937, 5856]  | 6896 | [9233, 9234] | 9969 | [8237, 3969]   |
| 751 | [1446, 1447] | 3824 | [6065, 5358] | 6897 | [8474, 4023] | 9970 | [9565, 4774]   |
| 752 | [1448, 1449] | 3825 | [6066, 6067] | 6898 | [9235, 3395] | 9971 | [4062, 4585]   |
| 753 | [1450, 1451] | 3826 | [6068, 6069] | 6899 | [4820, 4536] | 9972 | [11299, 4274]  |
| 754 | [1452, 1453] | 3827 | [6070, 6071] | 6900 | [9236, 9237] | 9973 | [9161, 3981]   |
| 755 | [1454, 1455] | 3828 | [6072, 6073] | 6901 | [8867, 5051] | 9974 | [4182, 1641]   |
| 756 | [1456, 1457] | 3829 | [6074, 6075] | 6902 | [1169, 3762] | 9975 | [1058, 11382]  |
| 757 | [1458, 1459] | 3830 | [6076, 629]  | 6903 | [7793, 3624] | 9976 | [9042, 18]     |
| 758 | [1460, 1461] | 3831 | [6077, 631]  | 6904 | [9238, 350]  | 9977 | [9508, 11383]  |
| 759 | [1462, 1463] | 3832 | [6078, 6079] | 6905 | [9239, 8714] | 9978 | [1704, 1795]   |
| 760 | [389, 1464]  | 3833 | [898, 2380]  | 6906 | [9240, 4221] | 9979 | [9036, 417]    |
| 761 | [1465, 388]  | 3834 | [6080, 6081] | 6907 | [9241, 9242] | 9980 | [11384, 11385] |
| 762 | [1115, 114]  | 3835 | [6082, 2283] | 6908 | [9243, 1781] | 9981 | [5169, 64]     |
| 763 | [1466, 1104] | 3836 | [6083, 868]  | 6909 | [9244, 9245] | 9982 | [11386, 8471]  |
| 764 | [1467, 1468] | 3837 | [6084, 1873] | 6910 | [4321, 1288] | 9983 | [4170, 9108]   |
| 765 | [1469, 1378] | 3838 | [2920, 1929] | 6911 | [8855, 9246] | 9984 | [3599, 11387]  |
| 766 | [1470, 1471] | 3839 | [572, 2937]  | 6912 | [9247, 8346] | 9985 | [11388, 11389] |
| 767 | [1472, 1473] | 3840 | [6085, 2017] | 6913 | [9248, 9249] | 9986 | [3491, 11390]  |
| 768 | [1474, 1475] | 3841 | [6086, 5902] | 6914 | [5185, 4404] | 9987 | [4059, 11391]  |
| 769 | [1476, 1477] | 3842 | [6087, 6088] | 6915 | [97, 9064]   | 9988 | [1215, 11392]  |
| 770 | [1478, 1479] | 3843 | [34, 1848]   | 6916 | [4413, 4332] | 9989 | [11393, 3881]  |
| 771 | [1480, 1481] | 3844 | [6089, 6090] | 6917 | [9250, 255]  | 9990 | [11394, 9110]  |
| 772 | [1482, 1483] | 3845 | [6091, 6092] | 6918 | [5105, 9251] | 9991 | [3802, 1543]   |
| 773 | [253, 1484]  | 3846 | [6093, 5779] | 6919 | [9252, 9253] | 9992 | [11395, 8950]  |
| 774 | [1485, 1486] | 3847 | [6094, 142]  | 6920 | [1477, 1024] | 9993 | [11396, 11397] |
| 775 | [1487, 1488] | 3848 | [6095, 641]  | 6921 | [9042, 4639] | 9994 | [8235, 4690]   |
| 776 | [1489, 1490] | 3849 | [5603, 5828] | 6922 | [3284, 9254] | 9995 | [8589, 3845]   |
| 777 | [1491, 1389] | 3850 | [5668, 205]  | 6923 | [3824, 9255] | 9996 | [295, 4111]    |
| 778 | [1492, 1493] | 3851 | [6096, 6097] | 6924 | [1265, 9256] | 9997 | [9540, 7823]   |
| 779 | [1494, 1495] | 3852 | [6098, 6099] | 6925 | [9257, 7991] | 9998 | [11398, 11399] |

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|-----|--------------|------|--------------|------|--------------|-------|----------------|
| 780 | [1496, 362]  | 3853 | [1880, 6100] | 6926 | [9258, 8913] | 9999  | [9365, 3553]   |
| 781 | [1497, 1498] | 3854 | [2184, 2898] | 6927 | [9259, 9260] | 10000 | [9518, 11400]  |
| 782 | [1499, 1500] | 3855 | [6101, 6102] | 6928 | [7864, 8828] | 10001 | [4162, 11401]  |
| 783 | [1501, 1502] | 3856 | [1854, 1966] | 6929 | [5057, 9180] | 10002 | [3878, 11402]  |
| 784 | [1503, 1504] | 3857 | [6103, 6098] | 6930 | [1107, 5148] | 10003 | [1168, 3761]   |
| 785 | [1505, 1506] | 3858 | [6104, 2541] | 6931 | [7730, 3891] | 10004 | [11403, 419]   |
| 786 | [346, 1507]  | 3859 | [6105, 5987] | 6932 | [4278, 8326] | 10005 | [11184, 8612]  |
| 787 | [1508, 1509] | 3860 | [2699, 6106] | 6933 | [3317, 1656] | 10006 | [8328, 9033]   |
| 788 | [1083, 1201] | 3861 | [2763, 6107] | 6934 | [4671, 9261] | 10007 | [11404, 4331]  |
| 789 | [1510, 1182] | 3862 | [6108, 6109] | 6935 | [9262, 7959] | 10008 | [11350, 8095]  |
| 790 | [1511, 1512] | 3863 | [6110, 5349] | 6936 | [1433, 9263] | 10009 | [4902, 3710]   |
| 791 | [1513, 1514] | 3864 | [1963, 6111] | 6937 | [9264, 7932] | 10010 | [11405, 3909]  |
| 792 | [1515, 1516] | 3865 | [6112, 6113] | 6938 | [8164, 9265] | 10011 | [4021, 11406]  |
| 793 | [1517, 1518] | 3866 | [6114, 6030] | 6939 | [3623, 9266] | 10012 | [3342, 11407]  |
| 794 | [1519, 1520] | 3867 | [6115, 6116] | 6940 | [8793, 4013] | 10013 | [3597, 9370]   |
| 795 | [1521, 1254] | 3868 | [6117, 6118] | 6941 | [4883, 4940] | 10014 | [11408, 4248]  |
| 796 | [1522, 1523] | 3869 | [6119, 6120] | 6942 | [4169, 8171] | 10015 | [1092, 7559]   |
| 797 | [1524, 1525] | 3870 | [158, 6121]  | 6943 | [4088, 1083] | 10016 | [8005, 11409]  |
| 798 | [1526, 1527] | 3871 | [6122, 6123] | 6944 | [9267, 9268] | 10017 | [7560, 3334]   |
| 799 | [1180, 404]  | 3872 | [6124, 5693] | 6945 | [9269, 1637] | 10018 | [1379, 9242]   |
| 800 | [1528, 1529] | 3873 | [6125, 6082] | 6946 | [9029, 9270] | 10019 | [9490, 11410]  |
| 801 | [1530, 1531] | 3874 | [6126, 6127] | 6947 | [287, 8762]  | 10020 | [8835, 11411]  |
| 802 | [1532, 1533] | 3875 | [6128, 6129] | 6948 | [4011, 1487] | 10021 | [8009, 1272]   |
| 803 | [1534, 1535] | 3876 | [6130, 6131] | 6949 | [3965, 9271] | 10022 | [8912, 9121]   |
| 804 | [1536, 1537] | 3877 | [5594, 6132] | 6950 | [9272, 4191] | 10023 | [11403, 4849]  |
| 805 | [1538, 1539] | 3878 | [3034, 6133] | 6951 | [9273, 9274] | 10024 | [1069, 4602]   |
| 806 | [1540, 1541] | 3879 | [2799, 2870] | 6952 | [3204, 86]   | 10025 | [7785, 11412]  |
| 807 | [1542, 1543] | 3880 | [6134, 6135] | 6953 | [8573, 9275] | 10026 | [9398, 1785]   |
| 808 | [1544, 1545] | 3881 | [6136, 2040] | 6954 | [9276, 1078] | 10027 | [8236, 8642]   |
| 809 | [1546, 1547] | 3882 | [5507, 924]  | 6955 | [8743, 8077] | 10028 | [3857, 7840]   |
| 810 | [1548, 1549] | 3883 | [6137, 6138] | 6956 | [8198, 9277] | 10029 | [8542, 8320]   |
| 811 | [1550, 1551] | 3884 | [6139, 732]  | 6957 | [7859, 485]  | 10030 | [1505, 11413]  |
| 812 | [1552, 1553] | 3885 | [2398, 6140] | 6958 | [9223, 4213] | 10031 | [409, 4709]    |
| 813 | [1554, 1555] | 3886 | [6141, 5300] | 6959 | [9278, 7532] | 10032 | [8618, 1687]   |
| 814 | [1556, 1557] | 3887 | [6142, 6143] | 6960 | [4545, 9279] | 10033 | [8053, 11414]  |
| 815 | [1558, 1559] | 3888 | [6144, 2207] | 6961 | [9280, 8114] | 10034 | [11415, 9074]  |
| 816 | [1560, 1561] | 3889 | [6145, 6146] | 6962 | [9281, 4529] | 10035 | [1645, 11416]  |
| 817 | [1562, 1563] | 3890 | [6147, 920]  | 6963 | [7742, 4051] | 10036 | [8687, 5187]   |
| 818 | [1564, 1565] | 3891 | [6148, 143]  | 6964 | [9063, 8748] | 10037 | [11417, 11418] |
| 819 | [1566, 1567] | 3892 | [6149, 6150] | 6965 | [8913, 9282] | 10038 | [1613, 1174]   |
| 820 | [1568, 1569] | 3893 | [6151, 6152] | 6966 | [4461, 9283] | 10039 | [11419, 1106]  |
| 821 | [1570, 1571] | 3894 | [537, 6153]  | 6967 | [8471, 3935] | 10040 | [11420, 11421] |
| 822 | [1572, 450]  | 3895 | [6154, 6155] | 6968 | [9284, 3566] | 10041 | [7916, 1008]   |
| 823 | [1573, 1574] | 3896 | [6156, 5951] | 6969 | [4342, 9091] | 10042 | [5194, 11422]  |

|     |              |      |              |      |              |       |                |
|-----|--------------|------|--------------|------|--------------|-------|----------------|
| 824 | [1575, 1576] | 3897 | [6157, 6158] | 6970 | [8854, 3289] | 10043 | [9244, 11423]  |
| 825 | [1577, 1578] | 3898 | [6159, 6160] | 6971 | [8420, 8202] | 10044 | [8461, 7928]   |
| 826 | [1579, 1580] | 3899 | [5995, 6161] | 6972 | [9220, 3578] | 10045 | [11424, 7934]  |
| 827 | [1581, 372]  | 3900 | [6162, 5886] | 6973 | [333, 1814]  | 10046 | [7717, 9090]   |
| 828 | [1582, 1583] | 3901 | [6163, 6164] | 6974 | [8551, 1482] | 10047 | [7905, 3685]   |
| 829 | [1584, 1535] | 3902 | [6165, 6166] | 6975 | [1113, 1464] | 10048 | [319, 11425]   |
| 830 | [1585, 1586] | 3903 | [2774, 5255] | 6976 | [9285, 17]   | 10049 | [9646, 1462]   |
| 831 | [1587, 1588] | 3904 | [6167, 2934] | 6977 | [1603, 4110] | 10050 | [11426, 7959]  |
| 832 | [1589, 1590] | 3905 | [6168, 6169] | 6978 | [4956, 9286] | 10051 | [11427, 4042]  |
| 833 | [1591, 1592] | 3906 | [189, 2285]  | 6979 | [9287, 9288] | 10052 | [11428, 11429] |
| 834 | [1593, 328]  | 3907 | [6170, 5655] | 6980 | [3205, 4073] | 10053 | [9157, 5072]   |
| 835 | [1594, 336]  | 3908 | [143, 2808]  | 6981 | [1024, 9222] | 10054 | [11290, 11430] |
| 836 | [1595, 1596] | 3909 | [6171, 6172] | 6982 | [8983, 9289] | 10055 | [8046, 4398]   |
| 837 | [1597, 1598] | 3910 | [207, 6173]  | 6983 | [9290, 1070] | 10056 | [7933, 7734]   |
| 838 | [1599, 1600] | 3911 | [6174, 5811] | 6984 | [4524, 9291] | 10057 | [1241, 11431]  |
| 839 | [1601, 1602] | 3912 | [2908, 6175] | 6985 | [7910, 4454] | 10058 | [4106, 115]    |
| 840 | [1603, 1604] | 3913 | [6176, 2432] | 6986 | [9292, 3661] | 10059 | [1612, 8010]   |
| 841 | [1605, 1606] | 3914 | [6177, 6178] | 6987 | [8900, 8079] | 10060 | [11432, 8623]  |
| 842 | [1607, 1608] | 3915 | [6179, 3062] | 6988 | [9293, 1419] | 10061 | [8767, 11342]  |
| 843 | [1609, 1610] | 3916 | [6180, 5544] | 6989 | [9294, 8292] | 10062 | [8652, 3683]   |
| 844 | [1611, 1534] | 3917 | [6181, 5264] | 6990 | [9295, 1217] | 10063 | [7777, 7936]   |
| 845 | [1612, 1613] | 3918 | [6182, 6183] | 6991 | [9296, 326]  | 10064 | [8507, 3823]   |
| 846 | [1614, 1615] | 3919 | [6184, 675]  | 6992 | [8603, 7812] | 10065 | [11433, 11434] |
| 847 | [1616, 972]  | 3920 | [6185, 5898] | 6993 | [7874, 9297] | 10066 | [9470, 1453]   |
| 848 | [1617, 1618] | 3921 | [6186, 6187] | 6994 | [9298, 9299] | 10067 | [1817, 4063]   |
| 849 | [1619, 975]  | 3922 | [2954, 6188] | 6995 | [9300, 9301] | 10068 | [339, 9058]    |
| 850 | [1620, 1621] | 3923 | [6189, 6190] | 6996 | [8427, 4008] | 10069 | [8531, 7689]   |
| 851 | [1622, 1623] | 3924 | [6191, 6192] | 6997 | [9219, 3577] | 10070 | [11435, 9598]  |
| 852 | [1624, 1625] | 3925 | [6193, 6194] | 6998 | [9302, 3362] | 10071 | [8670, 8850]   |
| 853 | [1626, 1627] | 3926 | [6195, 5624] | 6999 | [9303, 9304] | 10072 | [4621, 4285]   |
| 854 | [1628, 1629] | 3927 | [6196, 6197] | 7000 | [7698, 4721] | 10073 | [5122, 11436]  |
| 855 | [1630, 1621] | 3928 | [3092, 2995] | 7001 | [9305, 9210] | 10074 | [8723, 4554]   |
| 856 | [1631, 1632] | 3929 | [6198, 2696] | 7002 | [8114, 9306] | 10075 | [11437, 11186] |
| 857 | [1633, 1634] | 3930 | [6199, 6200] | 7003 | [9307, 9308] | 10076 | [11296, 1477]  |
| 858 | [1333, 1635] | 3931 | [2419, 796]  | 7004 | [9309, 4911] | 10077 | [7945, 11438]  |
| 859 | [1636, 1637] | 3932 | [6201, 3044] | 7005 | [1590, 9310] | 10078 | [4418, 8723]   |
| 860 | [1638, 1639] | 3933 | [6202, 6203] | 7006 | [9311, 9312] | 10079 | [8330, 11439]  |
| 861 | [1640, 1641] | 3934 | [6204, 6205] | 7007 | [9313, 4244] | 10080 | [480, 8909]    |
| 862 | [1642, 1643] | 3935 | [6206, 6207] | 7008 | [9314, 9315] | 10081 | [7877, 1816]   |
| 863 | [1644, 1645] | 3936 | [829, 5575]  | 7009 | [5066, 9316] | 10082 | [11440, 4152]  |
| 864 | [1646, 1647] | 3937 | [6208, 6209] | 7010 | [9317, 9318] | 10083 | [3673, 3517]   |
| 865 | [467, 1648]  | 3938 | [6210, 2978] | 7011 | [8543, 8744] | 10084 | [11249, 11305] |
| 866 | [1649, 1650] | 3939 | [6211, 6212] | 7012 | [9319, 9320] | 10085 | [8557, 3688]   |
| 867 | [1651, 1652] | 3940 | [6213, 6214] | 7013 | [9152, 9321] | 10086 | [3844, 11441]  |

|     |              |      |              |      |              |       |                |
|-----|--------------|------|--------------|------|--------------|-------|----------------|
| 868 | [1653, 1654] | 3941 | [6215, 1862] | 7014 | [3327, 9322] | 10087 | [8302, 3966]   |
| 869 | [1655, 1656] | 3942 | [6216, 621]  | 7015 | [4034, 9323] | 10088 | [11442, 3739]  |
| 870 | [1657, 1658] | 3943 | [6217, 6218] | 7016 | [1759, 9324] | 10089 | [8575, 4648]   |
| 871 | [1659, 1660] | 3944 | [5766, 6219] | 7017 | [359, 1490]  | 10090 | [8626, 1653]   |
| 872 | [1661, 1662] | 3945 | [6220, 5955] | 7018 | [9325, 7816] | 10091 | [3446, 1275]   |
| 873 | [1055, 1663] | 3946 | [6221, 6222] | 7019 | [8415, 8394] | 10092 | [11187, 416]   |
| 874 | [1614, 1442] | 3947 | [6223, 6224] | 7020 | [9326, 9327] | 10093 | [8449, 3655]   |
| 875 | [1664, 1665] | 3948 | [162, 2664]  | 7021 | [383, 3734]  | 10094 | [4656, 976]    |
| 876 | [1666, 1667] | 3949 | [2672, 6225] | 7022 | [9328, 9329] | 10095 | [7648, 11443]  |
| 877 | [1668, 1669] | 3950 | [6226, 2976] | 7023 | [5192, 493]  | 10096 | [4798, 7942]   |
| 878 | [1670, 1671] | 3951 | [6227, 6228] | 7024 | [1122, 9330] | 10097 | [11444, 8092]  |
| 879 | [1672, 1673] | 3952 | [6229, 2930] | 7025 | [3530, 9143] | 10098 | [8678, 3874]   |
| 880 | [1674, 1675] | 3953 | [6230, 2234] | 7026 | [9331, 8937] | 10099 | [9360, 1766]   |
| 881 | [1676, 1677] | 3954 | [1861, 6231] | 7027 | [7635, 4839] | 10100 | [8427, 11445]  |
| 882 | [1678, 1679] | 3955 | [725, 524]   | 7028 | [8871, 9332] | 10101 | [3997, 11446]  |
| 883 | [1680, 1681] | 3956 | [6232, 6196] | 7029 | [9333, 4920] | 10102 | [11447, 11448] |
| 884 | [1437, 1682] | 3957 | [6233, 2414] | 7030 | [5100, 9334] | 10103 | [8373, 3478]   |
| 885 | [1514, 1683] | 3958 | [6234, 6235] | 7031 | [7781, 9185] | 10104 | [11449, 8055]  |
| 886 | [1684, 1685] | 3959 | [6236, 6237] | 7032 | [7750, 9335] | 10105 | [9619, 8354]   |
| 887 | [1686, 1687] | 3960 | [6238, 6064] | 7033 | [9336, 8256] | 10106 | [11173, 3240]  |
| 888 | [1688, 1689] | 3961 | [6239, 6240] | 7034 | [1481, 8098] | 10107 | [11450, 8518]  |
| 889 | [1690, 1691] | 3962 | [6241, 638]  | 7035 | [9337, 9338] | 10108 | [11451, 8719]  |
| 890 | [1692, 1693] | 3963 | [6242, 6243] | 7036 | [9339, 3533] | 10109 | [5186, 11452]  |
| 891 | [1694, 1695] | 3964 | [5823, 853]  | 7037 | [9340, 8891] | 10110 | [8526, 4343]   |
| 892 | [1696, 1697] | 3965 | [6244, 6245] | 7038 | [9341, 8488] | 10111 | [4101, 11453]  |
| 893 | [1698, 1699] | 3966 | [1973, 3131] | 7039 | [4380, 9342] | 10112 | [74, 8162]     |
| 894 | [1700, 1266] | 3967 | [6246, 6247] | 7040 | [9343, 9315] | 10113 | [4729, 83]     |
| 895 | [1701, 1702] | 3968 | [6248, 5725] | 7041 | [9344, 3684] | 10114 | [11454, 8815]  |
| 896 | [1703, 1704] | 3969 | [6249, 2180] | 7042 | [3798, 8399] | 10115 | [11280, 11455] |
| 897 | [1705, 1706] | 3970 | [6250, 2887] | 7043 | [4821, 9345] | 10116 | [9163, 11456]  |
| 898 | [1707, 1708] | 3971 | [6251, 6252] | 7044 | [3453, 1262] | 10117 | [8926, 11457]  |
| 899 | [1709, 1710] | 3972 | [6253, 6254] | 7045 | [8848, 9346] | 10118 | [4219, 3704]   |
| 900 | [84, 1499]   | 3973 | [2329, 6255] | 7046 | [7706, 8520] | 10119 | [8934, 11458]  |
| 901 | [412, 1711]  | 3974 | [6256, 6257] | 7047 | [3834, 9347] | 10120 | [11459, 8975]  |
| 902 | [414, 1712]  | 3975 | [5567, 3054] | 7048 | [9348, 7573] | 10121 | [1466, 11460]  |
| 903 | [1713, 1714] | 3976 | [6258, 6259] | 7049 | [5050, 8428] | 10122 | [9248, 1658]   |
| 904 | [1715, 1716] | 3977 | [6260, 919]  | 7050 | [3278, 3520] | 10123 | [11461, 11462] |
| 905 | [1717, 1718] | 3978 | [6261, 5760] | 7051 | [9349, 9350] | 10124 | [9450, 11463]  |
| 906 | [1719, 1720] | 3979 | [6262, 3133] | 7052 | [9351, 9352] | 10125 | [1758, 8837]   |
| 907 | [1099, 1721] | 3980 | [5731, 6263] | 7053 | [8117, 8898] | 10126 | [4564, 1505]   |
| 908 | [19, 1598]   | 3981 | [6264, 2110] | 7054 | [319, 3634]  | 10127 | [9591, 994]    |
| 909 | [1722, 1723] | 3982 | [6265, 2554] | 7055 | [1044, 77]   | 10128 | [3415, 8119]   |
| 910 | [1724, 1725] | 3983 | [6266, 6267] | 7056 | [4677, 9353] | 10129 | [11464, 3484]  |
| 911 | [1726, 90]   | 3984 | [6268, 2326] | 7057 | [9354, 9355] | 10130 | [7584, 11465]  |

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|-----|--------------|------|--------------|------|--------------|-------|----------------|
| 912 | [1727, 1728] | 3985 | [2889, 2694] | 7058 | [7885, 8460] | 10131 | [11466, 405]   |
| 913 | [1182, 1729] | 3986 | [6252, 6269] | 7059 | [8241, 9196] | 10132 | [1113, 11467]  |
| 914 | [1730, 1731] | 3987 | [5649, 6270] | 7060 | [3747, 8957] | 10133 | [11468, 8752]  |
| 915 | [1524, 1732] | 3988 | [6177, 6271] | 7061 | [9356, 4793] | 10134 | [11469, 11470] |
| 916 | [1733, 1734] | 3989 | [6272, 5401] | 7062 | [9272, 7549] | 10135 | [11471, 11423] |
| 917 | [1735, 1736] | 3990 | [2786, 2075] | 7063 | [9357, 9358] | 10136 | [8901, 8331]   |
| 918 | [1737, 1738] | 3991 | [6273, 6124] | 7064 | [3389, 4156] | 10137 | [7698, 1372]   |
| 919 | [1739, 1740] | 3992 | [6274, 5797] | 7065 | [9359, 9360] | 10138 | [8417, 4272]   |
| 920 | [1741, 1742] | 3993 | [6275, 2580] | 7066 | [4767, 116]  | 10139 | [11472, 5064]  |
| 921 | [1743, 1744] | 3994 | [2608, 6276] | 7067 | [9361, 1614] | 10140 | [1105, 11473]  |
| 922 | [1745, 1746] | 3995 | [6277, 6278] | 7068 | [1139, 9362] | 10141 | [11474, 8846]  |
| 923 | [1747, 1748] | 3996 | [3106, 646]  | 7069 | [9062, 9248] | 10142 | [11475, 11476] |
| 924 | [1749, 1750] | 3997 | [6279, 5368] | 7070 | [5092, 8926] | 10143 | [11477, 4143]  |
| 925 | [1751, 1752] | 3998 | [6280, 6281] | 7071 | [9363, 9364] | 10144 | [9551, 3447]   |
| 926 | [1753, 1754] | 3999 | [6123, 6282] | 7072 | [9365, 3320] | 10145 | [11390, 9572]  |
| 927 | [1755, 1756] | 4000 | [6283, 2753] | 7073 | [3977, 351]  | 10146 | [11364, 1556]  |
| 928 | [1757, 1758] | 4001 | [2941, 6284] | 7074 | [9366, 4296] | 10147 | [3215, 11478]  |
| 929 | [1207, 1759] | 4002 | [2536, 5975] | 7075 | [9367, 3947] | 10148 | [323, 1711]    |
| 930 | [1760, 1761] | 4003 | [6285, 6286] | 7076 | [8067, 1341] | 10149 | [326, 4946]    |
| 931 | [1762, 1763] | 4004 | [6287, 2333] | 7077 | [8990, 4892] | 10150 | [11475, 4935]  |
| 932 | [1764, 1619] | 4005 | [6288, 6289] | 7078 | [9368, 7920] | 10151 | [8297, 11479]  |
| 933 | [1765, 1766] | 4006 | [3123, 6290] | 7079 | [9369, 9370] | 10152 | [11480, 11481] |
| 934 | [456, 1767]  | 4007 | [2827, 6291] | 7080 | [8863, 9371] | 10153 | [8311, 9468]   |
| 935 | [1768, 1769] | 4008 | [2963, 56]   | 7081 | [9372, 8603] | 10154 | [11482, 4685]  |
| 936 | [1770, 1771] | 4009 | [6292, 6293] | 7082 | [3579, 3715] | 10155 | [11483, 3590]  |
| 937 | [1772, 1773] | 4010 | [6294, 2695] | 7083 | [3349, 8227] | 10156 | [3685, 7765]   |
| 938 | [1774, 1775] | 4011 | [6295, 2375] | 7084 | [9373, 4442] | 10157 | [8598, 11484]  |
| 939 | [1776, 1777] | 4012 | [6296, 6297] | 7085 | [9374, 9375] | 10158 | [3394, 1623]   |
| 940 | [1778, 1779] | 4013 | [6298, 3096] | 7086 | [9090, 9376] | 10159 | [11485, 7758]  |
| 941 | [1780, 1781] | 4014 | [6299, 2030] | 7087 | [3367, 9377] | 10160 | [8936, 11486]  |
| 942 | [1782, 1494] | 4015 | [6300, 612]  | 7088 | [8757, 3848] | 10161 | [8665, 4024]   |
| 943 | [1237, 1783] | 4016 | [6301, 1964] | 7089 | [9378, 9379] | 10162 | [4988, 11487]  |
| 944 | [1784, 1785] | 4017 | [6302, 6303] | 7090 | [4266, 65]   | 10163 | [8906, 8412]   |
| 945 | [1786, 1787] | 4018 | [3042, 5445] | 7091 | [368, 4713]  | 10164 | [9590, 7635]   |
| 946 | [1788, 1789] | 4019 | [5778, 2422] | 7092 | [3934, 7913] | 10165 | [5155, 11488]  |
| 947 | [1790, 1791] | 4020 | [6304, 5925] | 7093 | [8627, 7829] | 10166 | [9570, 8147]   |
| 948 | [1792, 1757] | 4021 | [641, 943]   | 7094 | [8754, 8964] | 10167 | [286, 11489]   |
| 949 | [1793, 1794] | 4022 | [6305, 6306] | 7095 | [9380, 4373] | 10168 | [11490, 11491] |
| 950 | [1795, 1796] | 4023 | [6307, 2542] | 7096 | [311, 4958]  | 10169 | [8567, 3372]   |
| 951 | [1797, 1798] | 4024 | [5220, 6308] | 7097 | [8032, 7855] | 10170 | [11492, 8284]  |
| 952 | [1799, 1800] | 4025 | [6294, 6198] | 7098 | [16, 1652]   | 10171 | [3699, 8998]   |
| 953 | [1801, 1802] | 4026 | [6309, 6310] | 7099 | [8491, 3386] | 10172 | [3697, 11493]  |
| 954 | [1803, 1804] | 4027 | [6311, 6312] | 7100 | [8203, 7850] | 10173 | [7838, 7587]   |
| 955 | [1805, 1806] | 4028 | [6192, 6313] | 7101 | [8521, 1027] | 10174 | [11405, 8956]  |

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|-----|--------------|------|--------------|------|--------------|-------|----------------|
| 956 | [1807, 1808] | 4029 | [2494, 2629] | 7102 | [8064, 1118] | 10175 | [11494, 1592]  |
| 957 | [1809, 1130] | 4030 | [2677, 690]  | 7103 | [8706, 1404] | 10176 | [8453, 1079]   |
| 958 | [1810, 1811] | 4031 | [6314, 6315] | 7104 | [9017, 7594] | 10177 | [1180, 11466]  |
| 959 | [1812, 1813] | 4032 | [2197, 6316] | 7105 | [9381, 3897] | 10178 | [11464, 3338]  |
| 960 | [1814, 1815] | 4033 | [6317, 6318] | 7106 | [9382, 8128] | 10179 | [8493, 11495]  |
| 961 | [1816, 1817] | 4034 | [6319, 2000] | 7107 | [7929, 9383] | 10180 | [4776, 4674]   |
| 962 | [1818, 1819] | 4035 | [1892, 6320] | 7108 | [8394, 5144] | 10181 | [8292, 5129]   |
| 963 | [1092, 1820] | 4036 | [6321, 2562] | 7109 | [9384, 8091] | 10182 | [9154, 8337]   |
| 964 | [1821, 1822] | 4037 | [6322, 6323] | 7110 | [1114, 113]  | 10183 | [11496, 11497] |
| 965 | [1823, 1824] | 4038 | [771, 2064]  | 7111 | [3959, 9385] | 10184 | [8190, 11498]  |
| 966 | [747, 1825]  | 4039 | [6324, 6325] | 7112 | [3319, 9386] | 10185 | [1428, 4417]   |
| 967 | [1826, 1827] | 4040 | [6326, 6327] | 7113 | [4849, 4471] | 10186 | [8157, 4254]   |
| 968 | [1828, 1829] | 4041 | [6328, 6329] | 7114 | [8888, 9241] | 10187 | [11173, 11499] |
| 969 | [1830, 1831] | 4042 | [6273, 5692] | 7115 | [9360, 1189] | 10188 | [9214, 3661]   |
| 970 | [1832, 1833] | 4043 | [6330, 6331] | 7116 | [9387, 1191] | 10189 | [11500, 382]   |
| 971 | [1834, 229]  | 4044 | [6332, 6333] | 7117 | [9266, 9388] | 10190 | [9312, 4122]   |
| 972 | [1835, 1836] | 4045 | [6334, 2063] | 7118 | [4239, 9389] | 10191 | [11370, 8725]  |
| 973 | [1837, 1838] | 4046 | [6335, 2210] | 7119 | [9390, 411]  | 10192 | [9305, 11501]  |
| 974 | [1839, 1840] | 4047 | [6336, 2547] | 7120 | [9391, 9065] | 10193 | [8537, 3375]   |
| 975 | [1841, 1842] | 4048 | [6337, 45]   | 7121 | [7772, 4880] | 10194 | [11433, 4785]  |
| 976 | [1843, 1844] | 4049 | [2137, 5234] | 7122 | [7757, 9392] | 10195 | [8196, 11502]  |
| 977 | [1845, 165]  | 4050 | [646, 2059]  | 7123 | [9393, 8714] | 10196 | [7669, 9238]   |
| 978 | [1846, 1847] | 4051 | [5426, 6338] | 7124 | [9394, 4874] | 10197 | [11503, 4103]  |
| 979 | [1848, 932]  | 4052 | [6339, 6340] | 7125 | [8879, 4449] | 10198 | [11504, 3511]  |
| 980 | [1849, 1850] | 4053 | [5427, 558]  | 7126 | [9395, 3736] | 10199 | [11505, 4870]  |
| 981 | [1851, 1852] | 4054 | [6341, 6342] | 7127 | [1602, 9396] | 10200 | [11506, 11507] |
| 982 | [1853, 1854] | 4055 | [6343, 5534] | 7128 | [8172, 373]  | 10201 | [11169, 9598]  |
| 983 | [1855, 1856] | 4056 | [5930, 2557] | 7129 | [9397, 1328] | 10202 | [4925, 1331]   |
| 984 | [1857, 1858] | 4057 | [6344, 3132] | 7130 | [9398, 9399] | 10203 | [11508, 1587]  |
| 985 | [506, 1859]  | 4058 | [6345, 6346] | 7131 | [7749, 9400] | 10204 | [8397, 11509]  |
| 986 | [1860, 1861] | 4059 | [6347, 6278] | 7132 | [8366, 9401] | 10205 | [1055, 3667]   |
| 987 | [499, 1862]  | 4060 | [6348, 6349] | 7133 | [9402, 9403] | 10206 | [11510, 9423]  |
| 988 | [1863, 1864] | 4061 | [6350, 6351] | 7134 | [9404, 4501] | 10207 | [8469, 9140]   |
| 989 | [1865, 1866] | 4062 | [6352, 6353] | 7135 | [9405, 9406] | 10208 | [11200, 11511] |
| 990 | [1867, 1868] | 4063 | [6354, 6355] | 7136 | [4527, 9407] | 10209 | [11512, 11513] |
| 991 | [1869, 1870] | 4064 | [6356, 6357] | 7137 | [9408, 8485] | 10210 | [8632, 3955]   |
| 992 | [1871, 1872] | 4065 | [6358, 2972] | 7138 | [9409, 9410] | 10211 | [9543, 11514]  |
| 993 | [519, 1873]  | 4066 | [6359, 6360] | 7139 | [4768, 4578] | 10212 | [8544, 30]     |
| 994 | [1874, 1875] | 4067 | [3128, 814]  | 7140 | [1258, 5081] | 10213 | [3635, 8739]   |
| 995 | [1876, 764]  | 4068 | [6361, 6362] | 7141 | [1086, 1137] | 10214 | [11395, 27]    |
| 996 | [1877, 1878] | 4069 | [134, 6363]  | 7142 | [5070, 9411] | 10215 | [3219, 11515]  |
| 997 | [1879, 1880] | 4070 | [6364, 2302] | 7143 | [9412, 1569] | 10216 | [8889, 11516]  |
| 998 | [1881, 1882] | 4071 | [5895, 6365] | 7144 | [4347, 8166] | 10217 | [11517, 7602]  |
| 999 | [1883, 143]  | 4072 | [6366, 6367] | 7145 | [9413, 9253] | 10218 | [11518, 5131]  |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1000 | [1884, 836]  | 4073 | [5208, 1854] | 7146 | [3391, 5098] | 10219 | [7737, 4265]   |
| 1001 | [173, 1885]  | 4074 | [6368, 5568] | 7147 | [9414, 9415] | 10220 | [1224, 11519]  |
| 1002 | [1886, 1887] | 4075 | [6369, 6370] | 7148 | [4385, 1616] | 10221 | [1520, 5066]   |
| 1003 | [1888, 1889] | 4076 | [6371, 6372] | 7149 | [9416, 468]  | 10222 | [8645, 11520]  |
| 1004 | [1888, 1890] | 4077 | [2232, 5309] | 7150 | [9417, 8198] | 10223 | [11521, 11522] |
| 1005 | [1891, 1892] | 4078 | [6373, 3119] | 7151 | [8886, 9418] | 10224 | [11231, 3296]  |
| 1006 | [1893, 172]  | 4079 | [6374, 6375] | 7152 | [9419, 9420] | 10225 | [8861, 11523]  |
| 1007 | [1894, 1895] | 4080 | [6376, 6377] | 7153 | [5043, 7624] | 10226 | [8956, 1231]   |
| 1008 | [1896, 1897] | 4081 | [6378, 2077] | 7154 | [9404, 8155] | 10227 | [1605, 11524]  |
| 1009 | [1898, 1899] | 4082 | [5870, 6379] | 7155 | [4694, 3466] | 10228 | [5026, 1614]   |
| 1010 | [1900, 172]  | 4083 | [6380, 6381] | 7156 | [9421, 7703] | 10229 | [5008, 8643]   |
| 1011 | [1901, 1902] | 4084 | [6382, 6383] | 7157 | [9422, 7638] | 10230 | [7855, 4816]   |
| 1012 | [1903, 1904] | 4085 | [2073, 5233] | 7158 | [9423, 8310] | 10231 | [11525, 11526] |
| 1013 | [1905, 1906] | 4086 | [2975, 6384] | 7159 | [3654, 8605] | 10232 | [4644, 341]    |
| 1014 | [1907, 1908] | 4087 | [6385, 5327] | 7160 | [1630, 9424] | 10233 | [1645, 11527]  |
| 1015 | [1909, 1910] | 4088 | [6386, 2241] | 7161 | [9425, 3280] | 10234 | [11390, 4113]  |
| 1016 | [1911, 1912] | 4089 | [1988, 6387] | 7162 | [4278, 3752] | 10235 | [3664, 11528]  |
| 1017 | [1913, 1914] | 4090 | [6388, 2723] | 7163 | [9115, 4979] | 10236 | [11529, 3514]  |
| 1018 | [1915, 1916] | 4091 | [6389, 2559] | 7164 | [9426, 3925] | 10237 | [11530, 8410]  |
| 1019 | [1917, 1918] | 4092 | [6390, 5717] | 7165 | [9427, 9428] | 10238 | [4211, 11531]  |
| 1020 | [1919, 1920] | 4093 | [5303, 6391] | 7166 | [9429, 4390] | 10239 | [11532, 11533] |
| 1021 | [834, 632]   | 4094 | [6392, 6291] | 7167 | [9430, 8119] | 10240 | [9602, 11534]  |
| 1022 | [146, 739]   | 4095 | [6393, 6394] | 7168 | [287, 9431]  | 10241 | [9185, 7578]   |
| 1023 | [679, 693]   | 4096 | [6395, 32]   | 7169 | [9432, 1195] | 10242 | [11532, 11266] |
| 1024 | [1921, 1922] | 4097 | [6396, 6397] | 7170 | [3359, 9433] | 10243 | [11535, 1259]  |
| 1025 | [1923, 1924] | 4098 | [625, 6398]  | 7171 | [4598, 8222] | 10244 | [7734, 8824]   |
| 1026 | [1925, 867]  | 4099 | [6399, 1911] | 7172 | [9434, 294]  | 10245 | [4597, 11536]  |
| 1027 | [1926, 1927] | 4100 | [2035, 3025] | 7173 | [4133, 70]   | 10246 | [11408, 4928]  |
| 1028 | [1928, 1929] | 4101 | [6400, 2420] | 7174 | [7990, 5138] | 10247 | [3804, 5030]   |
| 1029 | [1930, 1931] | 4102 | [6401, 6402] | 7175 | [7652, 8375] | 10248 | [8132, 11537]  |
| 1030 | [1932, 1933] | 4103 | [6403, 2010] | 7176 | [9435, 8033] | 10249 | [475, 4154]    |
| 1031 | [1934, 1935] | 4104 | [6404, 3161] | 7177 | [5128, 9385] | 10250 | [3895, 11538]  |
| 1032 | [1936, 1937] | 4105 | [6405, 6406] | 7178 | [9436, 7562] | 10251 | [1671, 118]    |
| 1033 | [1938, 1939] | 4106 | [6407, 230]  | 7179 | [9020, 1495] | 10252 | [11539, 3312]  |
| 1034 | [816, 1940]  | 4107 | [6408, 5661] | 7180 | [1367, 8672] | 10253 | [11540, 3588]  |
| 1035 | [1941, 1942] | 4108 | [6409, 2294] | 7181 | [3953, 9437] | 10254 | [11541, 7819]  |
| 1036 | [1943, 1944] | 4109 | [6410, 6220] | 7182 | [9438, 9170] | 10255 | [9319, 8840]   |
| 1037 | [1945, 765]  | 4110 | [6411, 6412] | 7183 | [255, 9079]  | 10256 | [3394, 8934]   |
| 1038 | [1946, 1947] | 4111 | [577, 6413]  | 7184 | [9439, 8712] | 10257 | [11239, 11542] |
| 1039 | [1948, 1949] | 4112 | [6414, 2648] | 7185 | [3636, 4625] | 10258 | [8217, 991]    |
| 1040 | [1950, 1951] | 4113 | [6415, 6416] | 7186 | [1351, 3212] | 10259 | [8650, 4564]   |
| 1041 | [1952, 1953] | 4114 | [6417, 240]  | 7187 | [8107, 9440] | 10260 | [11543, 11544] |
| 1042 | [1954, 1955] | 4115 | [6418, 6419] | 7188 | [9019, 1494] | 10261 | [9053, 9123]   |
| 1043 | [1956, 1957] | 4116 | [41, 899]    | 7189 | [9441, 7618] | 10262 | [8730, 8420]   |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1044 | [1958, 1959] | 4117 | [6420, 903]  | 7190 | [1258, 1377] | 10263 | [1636, 11545]  |
| 1045 | [1960, 1961] | 4118 | [6421, 5666] | 7191 | [1573, 8176] | 10264 | [9616, 440]    |
| 1046 | [1962, 1963] | 4119 | [6422, 2345] | 7192 | [9442, 7708] | 10265 | [8734, 11527]  |
| 1047 | [1964, 526]  | 4120 | [6423, 6424] | 7193 | [9443, 8372] | 10266 | [432, 1469]    |
| 1048 | [1965, 1966] | 4121 | [5571, 6425] | 7194 | [4633, 5097] | 10267 | [3290, 11546]  |
| 1049 | [1967, 1968] | 4122 | [6426, 6427] | 7195 | [9444, 7749] | 10268 | [1685, 8516]   |
| 1050 | [1969, 1970] | 4123 | [6428, 6429] | 7196 | [116, 7752]  | 10269 | [11547, 4161]  |
| 1051 | [1971, 1896] | 4124 | [6430, 6431] | 7197 | [8480, 3309] | 10270 | [4590, 108]    |
| 1052 | [1972, 1973] | 4125 | [6432, 3188] | 7198 | [1049, 1396] | 10271 | [11320, 11548] |
| 1053 | [1974, 1975] | 4126 | [6433, 5956] | 7199 | [5140, 8540] | 10272 | [8655, 9216]   |
| 1054 | [1976, 1977] | 4127 | [2579, 5359] | 7200 | [1653, 9445] | 10273 | [11326, 11549] |
| 1055 | [1978, 1979] | 4128 | [5865, 6434] | 7201 | [4090, 9446] | 10274 | [1667, 7612]   |
| 1056 | [1980, 818]  | 4129 | [5858, 6435] | 7202 | [9447, 3491] | 10275 | [4544, 8992]   |
| 1057 | [1981, 1982] | 4130 | [6436, 2003] | 7203 | [4306, 4645] | 10276 | [3787, 1671]   |
| 1058 | [1983, 1984] | 4131 | [6437, 6438] | 7204 | [8143, 993]  | 10277 | [3978, 11550]  |
| 1059 | [1985, 1986] | 4132 | [5858, 6439] | 7205 | [7608, 9254] | 10278 | [11551, 11552] |
| 1060 | [1987, 1988] | 4133 | [6440, 6441] | 7206 | [9448, 9375] | 10279 | [11503, 1005]  |
| 1061 | [1989, 833]  | 4134 | [6442, 6443] | 7207 | [9449, 3904] | 10280 | [9337, 11553]  |
| 1062 | [773, 1990]  | 4135 | [6444, 598]  | 7208 | [9450, 3678] | 10281 | [11554, 8179]  |
| 1063 | [1991, 1992] | 4136 | [1972, 5994] | 7209 | [9451, 9452] | 10282 | [9558, 11555]  |
| 1064 | [1993, 1994] | 4137 | [6445, 6446] | 7210 | [9453, 7793] | 10283 | [11336, 8052]  |
| 1065 | [1995, 1996] | 4138 | [6447, 1996] | 7211 | [9053, 8841] | 10284 | [1082, 11556]  |
| 1066 | [1997, 1998] | 4139 | [6448, 6449] | 7212 | [9454, 9455] | 10285 | [11557, 1420]  |
| 1067 | [1999, 2000] | 4140 | [5551, 6450] | 7213 | [3849, 1714] | 10286 | [9324, 11558]  |
| 1068 | [2001, 2002] | 4141 | [2884, 2736] | 7214 | [3897, 9456] | 10287 | [11417, 8974]  |
| 1069 | [2003, 2004] | 4142 | [2305, 6451] | 7215 | [9457, 7883] | 10288 | [8739, 11559]  |
| 1070 | [2005, 2006] | 4143 | [1939, 6452] | 7216 | [9458, 9459] | 10289 | [9596, 11560]  |
| 1071 | [2007, 599]  | 4144 | [6453, 6196] | 7217 | [9460, 9461] | 10290 | [8700, 1415]   |
| 1072 | [2008, 2009] | 4145 | [808, 6454]  | 7218 | [8307, 3785] | 10291 | [8999, 11424]  |
| 1073 | [1914, 2010] | 4146 | [6017, 2127] | 7219 | [9462, 8839] | 10292 | [1639, 978]    |
| 1074 | [2011, 2012] | 4147 | [6455, 6456] | 7220 | [9463, 4288] | 10293 | [8352, 4718]   |
| 1075 | [2013, 2014] | 4148 | [6457, 2129] | 7221 | [9464, 9465] | 10294 | [11337, 4053]  |
| 1076 | [2015, 2016] | 4149 | [6458, 2864] | 7222 | [9466, 4059] | 10295 | [11561, 11562] |
| 1077 | [2017, 2018] | 4150 | [6459, 6460] | 7223 | [9467, 9468] | 10296 | [9212, 4498]   |
| 1078 | [2019, 2020] | 4151 | [6461, 2634] | 7224 | [9469, 4402] | 10297 | [3689, 1340]   |
| 1079 | [2021, 2022] | 4152 | [6462, 6463] | 7225 | [9470, 9471] | 10298 | [11563, 3555]  |
| 1080 | [2023, 2024] | 4153 | [6464, 3189] | 7226 | [4979, 9472] | 10299 | [3484, 3452]   |
| 1081 | [2025, 2026] | 4154 | [6465, 6466] | 7227 | [4805, 9473] | 10300 | [3971, 9132]   |
| 1082 | [2027, 2028] | 4155 | [928, 2311]  | 7228 | [8379, 8616] | 10301 | [8158, 4255]   |
| 1083 | [155, 2029]  | 4156 | [6467, 5715] | 7229 | [9474, 9475] | 10302 | [8452, 1078]   |
| 1084 | [2030, 2031] | 4157 | [5746, 6446] | 7230 | [3836, 1226] | 10303 | [1432, 4306]   |
| 1085 | [2032, 2033] | 4158 | [5448, 6468] | 7231 | [9476, 9477] | 10304 | [3572, 11564]  |
| 1086 | [918, 2034]  | 4159 | [6469, 6310] | 7232 | [1646, 8078] | 10305 | [11565, 1618]  |
| 1087 | [2017, 2035] | 4160 | [6470, 6471] | 7233 | [5035, 4090] | 10306 | [4949, 4693]   |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1088 | [2036, 2037] | 4161 | [6472, 2795] | 7234 | [8868, 8498] | 10307 | [11566, 11567] |
| 1089 | [2038, 2039] | 4162 | [6473, 5340] | 7235 | [9478, 7728] | 10308 | [994, 4840]    |
| 1090 | [2040, 2041] | 4163 | [6474, 2225] | 7236 | [9354, 8702] | 10309 | [5134, 344]    |
| 1091 | [2042, 2043] | 4164 | [5518, 576]  | 7237 | [9479, 1176] | 10310 | [11568, 3911]  |
| 1092 | [2044, 2045] | 4165 | [764, 6475]  | 7238 | [4628, 7900] | 10311 | [11569, 11570] |
| 1093 | [2046, 2047] | 4166 | [6476, 2693] | 7239 | [8797, 9102] | 10312 | [4298, 11571]  |
| 1094 | [2048, 717]  | 4167 | [6477, 2465] | 7240 | [3275, 9480] | 10313 | [83, 4726]     |
| 1095 | [2049, 2050] | 4168 | [6478, 2624] | 7241 | [3526, 8781] | 10314 | [11572, 4553]  |
| 1096 | [2051, 2052] | 4169 | [6479, 6480] | 7242 | [9413, 9481] | 10315 | [11480, 3412]  |
| 1097 | [2053, 2054] | 4170 | [6481, 6482] | 7243 | [8642, 8583] | 10316 | [4104, 11573]  |
| 1098 | [2055, 2056] | 4171 | [6483, 6484] | 7244 | [5158, 4568] | 10317 | [5190, 1576]   |
| 1099 | [2057, 2058] | 4172 | [6485, 6486] | 7245 | [9482, 8360] | 10318 | [11574, 7531]  |
| 1100 | [2059, 2060] | 4173 | [6278, 6487] | 7246 | [9483, 5096] | 10319 | [8918, 9066]   |
| 1101 | [2061, 740]  | 4174 | [2767, 6321] | 7247 | [8438, 9484] | 10320 | [8454, 1810]   |
| 1102 | [1898, 2062] | 4175 | [6488, 3033] | 7248 | [8097, 9485] | 10321 | [11575, 4162]  |
| 1103 | [2063, 2064] | 4176 | [6489, 5441] | 7249 | [81, 9486]   | 10322 | [7857, 3664]   |
| 1104 | [2065, 1895] | 4177 | [6490, 6491] | 7250 | [4335, 4671] | 10323 | [7677, 3383]   |
| 1105 | [2066, 2067] | 4178 | [2417, 6492] | 7251 | [9487, 8246] | 10324 | [9431, 11576]  |
| 1106 | [2068, 2069] | 4179 | [6493, 783]  | 7252 | [1718, 1552] | 10325 | [3297, 4475]   |
| 1107 | [2070, 2071] | 4180 | [6494, 6495] | 7253 | [9488, 9489] | 10326 | [9333, 11577]  |
| 1108 | [2072, 2073] | 4181 | [6496, 2403] | 7254 | [9490, 3556] | 10327 | [5154, 8332]   |
| 1109 | [2074, 2075] | 4182 | [6497, 6498] | 7255 | [9425, 9491] | 10328 | [1210, 4148]   |
| 1110 | [2076, 2077] | 4183 | [6499, 6500] | 7256 | [1222, 126]  | 10329 | [11578, 3410]  |
| 1111 | [2078, 2079] | 4184 | [6301, 525]  | 7257 | [8408, 5088] | 10330 | [30, 11579]    |
| 1112 | [2080, 2081] | 4185 | [725, 6501]  | 7258 | [8324, 4991] | 10331 | [4830, 11580]  |
| 1113 | [2082, 2083] | 4186 | [6502, 6503] | 7259 | [9412, 282]  | 10332 | [11581, 3569]  |
| 1114 | [2084, 226]  | 4187 | [6504, 6505] | 7260 | [7783, 8599] | 10333 | [4797, 3706]   |
| 1115 | [2085, 2086] | 4188 | [6506, 2469] | 7261 | [5067, 4317] | 10334 | [7980, 3615]   |
| 1116 | [2087, 2088] | 4189 | [2849, 5522] | 7262 | [3615, 9492] | 10335 | [11494, 11582] |
| 1117 | [2089, 2090] | 4190 | [6231, 6507] | 7263 | [9474, 4002] | 10336 | [7562, 4859]   |
| 1118 | [2091, 2092] | 4191 | [6508, 184]  | 7264 | [5197, 4087] | 10337 | [1434, 7625]   |
| 1119 | [2093, 2094] | 4192 | [6509, 6510] | 7265 | [4562, 9493] | 10338 | [4884, 11583]  |
| 1120 | [2095, 2096] | 4193 | [2453, 6511] | 7266 | [9285, 9042] | 10339 | [11183, 11584] |
| 1121 | [2097, 2098] | 4194 | [6512, 502]  | 7267 | [8623, 304]  | 10340 | [11585, 11516] |
| 1122 | [2099, 2100] | 4195 | [6513, 6514] | 7268 | [1787, 9494] | 10341 | [7944, 1438]   |
| 1123 | [2101, 2102] | 4196 | [6515, 6516] | 7269 | [4746, 3760] | 10342 | [4985, 11586]  |
| 1124 | [2103, 2104] | 4197 | [6517, 856]  | 7270 | [8957, 4740] | 10343 | [9617, 4570]   |
| 1125 | [2105, 2106] | 4198 | [5743, 2205] | 7271 | [4832, 9495] | 10344 | [11587, 11588] |
| 1126 | [2107, 2108] | 4199 | [6518, 6519] | 7272 | [475, 8705]  | 10345 | [11589, 4950]  |
| 1127 | [2109, 2110] | 4200 | [6520, 6521] | 7273 | [9496, 9497] | 10346 | [7703, 4462]   |
| 1128 | [2111, 2112] | 4201 | [2147, 6522] | 7274 | [5133, 4502] | 10347 | [1493, 3445]   |
| 1129 | [586, 2113]  | 4202 | [6523, 6524] | 7275 | [9498, 4341] | 10348 | [8400, 11590]  |
| 1130 | [2114, 2115] | 4203 | [6525, 5626] | 7276 | [9499, 9500] | 10349 | [11359, 4399]  |
| 1131 | [2116, 2117] | 4204 | [2069, 6526] | 7277 | [3444, 8045] | 10350 | [970, 11591]   |

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|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1132 | [2118, 2119] | 4205 | [536, 2690]  | 7278 | [1377, 9501] | 10351 | [9176, 8322]   |
| 1133 | [2120, 2121] | 4206 | [6527, 6528] | 7279 | [9199, 9502] | 10352 | [11592, 8969]  |
| 1134 | [2106, 2122] | 4207 | [2801, 691]  | 7280 | [8351, 4668] | 10353 | [4321, 1172]   |
| 1135 | [2123, 1827] | 4208 | [3094, 6529] | 7281 | [9503, 1071] | 10354 | [9133, 11254]  |
| 1136 | [2124, 2125] | 4209 | [916, 6530]  | 7282 | [9504, 8595] | 10355 | [1111, 11558]  |
| 1137 | [2126, 2127] | 4210 | [2633, 875]  | 7283 | [9505, 9485] | 10356 | [9444, 11311]  |
| 1138 | [2128, 250]  | 4211 | [6531, 2873] | 7284 | [8413, 4866] | 10357 | [9409, 7545]   |
| 1139 | [2129, 2130] | 4212 | [6532, 2583] | 7285 | [9506, 4415] | 10358 | [11593, 9338]  |
| 1140 | [2131, 2132] | 4213 | [3022, 5692] | 7286 | [1388, 1724] | 10359 | [1722, 4707]   |
| 1141 | [2133, 2134] | 4214 | [788, 6533]  | 7287 | [3250, 9260] | 10360 | [1809, 8679]   |
| 1142 | [2135, 2136] | 4215 | [6138, 6534] | 7288 | [9507, 8363] | 10361 | [5077, 9543]   |
| 1143 | [2137, 2138] | 4216 | [6535, 6536] | 7289 | [1499, 8596] | 10362 | [8723, 4904]   |
| 1144 | [2139, 2140] | 4217 | [6537, 5331] | 7290 | [9508, 3325] | 10363 | [3449, 4702]   |
| 1145 | [233, 2141]  | 4218 | [6538, 6539] | 7291 | [9509, 8988] | 10364 | [988, 11594]   |
| 1146 | [2142, 2143] | 4219 | [6540, 5465] | 7292 | [1164, 9510] | 10365 | [8055, 5154]   |
| 1147 | [2144, 2145] | 4220 | [2101, 6541] | 7293 | [9511, 1077] | 10366 | [4548, 8005]   |
| 1148 | [2146, 2147] | 4221 | [6542, 2803] | 7294 | [9512, 8272] | 10367 | [8966, 3662]   |
| 1149 | [2148, 2149] | 4222 | [2265, 6543] | 7295 | [9513, 9514] | 10368 | [4889, 11595]  |
| 1150 | [2150, 2151] | 4223 | [6544, 6545] | 7296 | [8852, 3272] | 10369 | [9591, 4839]   |
| 1151 | [2152, 2153] | 4224 | [6546, 5857] | 7297 | [4107, 3593] | 10370 | [7651, 8532]   |
| 1152 | [2154, 2155] | 4225 | [6463, 6547] | 7298 | [9487, 3572] | 10371 | [11500, 3875]  |
| 1153 | [534, 2156]  | 4226 | [6548, 6549] | 7299 | [8165, 4261] | 10372 | [8780, 8647]   |
| 1154 | [2157, 2158] | 4227 | [6550, 6413] | 7300 | [8403, 9358] | 10373 | [11505, 3737]  |
| 1155 | [2159, 2160] | 4228 | [6551, 5868] | 7301 | [8976, 8876] | 10374 | [7921, 1519]   |
| 1156 | [821, 2161]  | 4229 | [6552, 6553] | 7302 | [5193, 494]  | 10375 | [7888, 9224]   |
| 1157 | [2162, 2163] | 4230 | [6554, 6555] | 7303 | [8414, 8836] | 10376 | [3456, 4164]   |
| 1158 | [2164, 2165] | 4231 | [5431, 6556] | 7304 | [5111, 9515] | 10377 | [4875, 460]    |
| 1159 | [2166, 2167] | 4232 | [6557, 5469] | 7305 | [9516, 9100] | 10378 | [11596, 3352]  |
| 1160 | [2168, 567]  | 4233 | [5992, 2425] | 7306 | [3652, 4437] | 10379 | [11597, 11598] |
| 1161 | [2169, 2170] | 4234 | [3087, 5880] | 7307 | [9517, 1145] | 10380 | [9233, 3707]   |
| 1162 | [2171, 2172] | 4235 | [6558, 6559] | 7308 | [3404, 1466] | 10381 | [7856, 3663]   |
| 1163 | [2173, 2174] | 4236 | [6560, 6561] | 7309 | [8067, 8261] | 10382 | [1498, 318]    |
| 1164 | [2175, 2176] | 4237 | [6562, 219]  | 7310 | [3917, 9518] | 10383 | [8981, 11599]  |
| 1165 | [2177, 2113] | 4238 | [6563, 6564] | 7311 | [9519, 3903] | 10384 | [8555, 9312]   |
| 1166 | [2178, 2179] | 4239 | [6313, 6565] | 7312 | [9520, 8392] | 10385 | [7564, 11600]  |
| 1167 | [2180, 2181] | 4240 | [5712, 6566] | 7313 | [9521, 9319] | 10386 | [7655, 7898]   |
| 1168 | [2182, 854]  | 4241 | [2035, 6567] | 7314 | [3940, 8990] | 10387 | [1169, 11601]  |
| 1169 | [142, 2183]  | 4242 | [2947, 2561] | 7315 | [9522, 7770] | 10388 | [11602, 9413]  |
| 1170 | [2184, 2185] | 4243 | [6568, 6569] | 7316 | [7882, 8364] | 10389 | [3826, 11603]  |
| 1171 | [1847, 2186] | 4244 | [6570, 5878] | 7317 | [4716, 8131] | 10390 | [11604, 3539]  |
| 1172 | [2187, 2188] | 4245 | [6571, 6572] | 7318 | [9523, 1778] | 10391 | [1469, 8888]   |
| 1173 | [2189, 2190] | 4246 | [6573, 523]  | 7319 | [8479, 9524] | 10392 | [1200, 11605]  |
| 1174 | [2191, 746]  | 4247 | [6574, 6575] | 7320 | [7612, 4620] | 10393 | [9169, 11606]  |
| 1175 | [2192, 2193] | 4248 | [6576, 1842] | 7321 | [3806, 478]  | 10394 | [9609, 1440]   |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1176 | [2194, 2195] | 4249 | [6577, 6578] | 7322 | [1407, 3515] | 10395 | [9584, 8203]   |
| 1177 | [2196, 2197] | 4250 | [6579, 160]  | 7323 | [9525, 9526] | 10396 | [11607, 11217] |
| 1178 | [2198, 2199] | 4251 | [5201, 6580] | 7324 | [4202, 3927] | 10397 | [11608, 11517] |
| 1179 | [2200, 2201] | 4252 | [1927, 6581] | 7325 | [9527, 1040] | 10398 | [11303, 4030]  |
| 1180 | [2202, 2203] | 4253 | [5759, 6582] | 7326 | [9528, 9125] | 10399 | [11609, 9117]  |
| 1181 | [2204, 2205] | 4254 | [6583, 6584] | 7327 | [9529, 4704] | 10400 | [11610, 1739]  |
| 1182 | [2206, 2207] | 4255 | [6585, 6586] | 7328 | [86, 1000]   | 10401 | [4997, 11596]  |
| 1183 | [2208, 2209] | 4256 | [6587, 2675] | 7329 | [9262, 7542] | 10402 | [11611, 8276]  |
| 1184 | [2210, 2211] | 4257 | [5474, 6588] | 7330 | [8327, 1582] | 10403 | [9485, 11612]  |
| 1185 | [2212, 2213] | 4258 | [3139, 6589] | 7331 | [7690, 8585] | 10404 | [4236, 1129]   |
| 1186 | [2214, 2215] | 4259 | [6590, 6591] | 7332 | [9530, 9531] | 10405 | [9312, 3952]   |
| 1187 | [2216, 2089] | 4260 | [5896, 933]  | 7333 | [9462, 9319] | 10406 | [11613, 11614] |
| 1188 | [2217, 2218] | 4261 | [857, 6592]  | 7334 | [9532, 8984] | 10407 | [4443, 4793]   |
| 1189 | [2219, 2220] | 4262 | [6593, 2206] | 7335 | [8061, 3835] | 10408 | [8563, 11615]  |
| 1190 | [2221, 2222] | 4263 | [6594, 6595] | 7336 | [9533, 9534] | 10409 | [8944, 11272]  |
| 1191 | [2223, 2154] | 4264 | [6579, 5239] | 7337 | [8261, 3416] | 10410 | [11616, 4527]  |
| 1192 | [2224, 2225] | 4265 | [6596, 6085] | 7338 | [3348, 9535] | 10411 | [8652, 8235]   |
| 1193 | [2226, 1906] | 4266 | [6597, 6598] | 7339 | [7575, 8854] | 10412 | [3874, 3264]   |
| 1194 | [2227, 2228] | 4267 | [6599, 6600] | 7340 | [8738, 9536] | 10413 | [9069, 4724]   |
| 1195 | [2229, 2230] | 4268 | [5296, 5712] | 7341 | [1769, 4405] | 10414 | [11617, 11279] |
| 1196 | [2231, 2232] | 4269 | [6601, 6602] | 7342 | [9537, 8151] | 10415 | [11618, 11619] |
| 1197 | [2233, 2234] | 4270 | [6603, 6604] | 7343 | [8129, 8675] | 10416 | [7973, 3995]   |
| 1198 | [2235, 2236] | 4271 | [6605, 5431] | 7344 | [9538, 1138] | 10417 | [11489, 9431]  |
| 1199 | [2237, 2238] | 4272 | [5578, 5705] | 7345 | [9539, 9540] | 10418 | [11620, 7547]  |
| 1200 | [2239, 2240] | 4273 | [6606, 6607] | 7346 | [9366, 4971] | 10419 | [1586, 11621]  |
| 1201 | [2241, 2242] | 4274 | [6608, 2733] | 7347 | [9435, 4478] | 10420 | [3502, 3351]   |
| 1202 | [2243, 2244] | 4275 | [6609, 6610] | 7348 | [9112, 1039] | 10421 | [9243, 7794]   |
| 1203 | [2245, 2246] | 4276 | [6611, 5731] | 7349 | [9541, 9172] | 10422 | [8673, 3483]   |
| 1204 | [2247, 947]  | 4277 | [707, 5970]  | 7350 | [9280, 3869] | 10423 | [4183, 8819]   |
| 1205 | [2248, 2249] | 4278 | [6612, 5475] | 7351 | [3457, 9542] | 10424 | [1501, 8757]   |
| 1206 | [2250, 2251] | 4279 | [6613, 6614] | 7352 | [4224, 9543] | 10425 | [11622, 8205]  |
| 1207 | [2252, 2078] | 4280 | [5257, 6615] | 7353 | [9048, 7922] | 10426 | [8860, 4431]   |
| 1208 | [2253, 2254] | 4281 | [6198, 6616] | 7354 | [1019, 1223] | 10427 | [11623, 8507]  |
| 1209 | [2255, 2256] | 4282 | [518, 6617]  | 7355 | [9544, 9545] | 10428 | [9132, 11624]  |
| 1210 | [2257, 2258] | 4283 | [6618, 6619] | 7356 | [4808, 9546] | 10429 | [4473, 4468]   |
| 1211 | [2259, 2260] | 4284 | [6620, 5954] | 7357 | [9547, 4995] | 10430 | [9123, 4376]   |
| 1212 | [2261, 1843] | 4285 | [6306, 5768] | 7358 | [1486, 8395] | 10431 | [4043, 3461]   |
| 1213 | [2262, 2263] | 4286 | [6621, 6622] | 7359 | [9528, 7788] | 10432 | [8987, 11625]  |
| 1214 | [2264, 2265] | 4287 | [6623, 6624] | 7360 | [4130, 252]  | 10433 | [275, 262]     |
| 1215 | [2230, 2266] | 4288 | [6625, 189]  | 7361 | [1396, 7976] | 10434 | [7534, 8218]   |
| 1216 | [2267, 2268] | 4289 | [5311, 6626] | 7362 | [4427, 9548] | 10435 | [7807, 11626]  |
| 1217 | [2269, 2270] | 4290 | [5908, 6627] | 7363 | [9549, 7674] | 10436 | [3864, 8248]   |
| 1218 | [2271, 1953] | 4291 | [6628, 5218] | 7364 | [1604, 3945] | 10437 | [9241, 11627]  |
| 1219 | [2272, 2273] | 4292 | [1922, 6629] | 7365 | [5169, 9550] | 10438 | [8403, 11628]  |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1220 | [2274, 2275] | 4293 | [6630, 1853] | 7366 | [9520, 4901] | 10439 | [8134, 1048]   |
| 1221 | [2276, 2181] | 4294 | [6631, 5686] | 7367 | [9551, 9552] | 10440 | [8455, 1811]   |
| 1222 | [2277, 2278] | 4295 | [6632, 6633] | 7368 | [1414, 7563] | 10441 | [11629, 11630] |
| 1223 | [1916, 1858] | 4296 | [6634, 6635] | 7369 | [4404, 9553] | 10442 | [9484, 1177]   |
| 1224 | [2279, 2280] | 4297 | [6636, 6618] | 7370 | [9554, 8349] | 10443 | [11181, 1013]  |
| 1225 | [2281, 2282] | 4298 | [6286, 220]  | 7371 | [5011, 9555] | 10444 | [3252, 11631]  |
| 1226 | [2283, 2284] | 4299 | [6637, 6638] | 7372 | [9417, 4387] | 10445 | [11632, 488]   |
| 1227 | [2285, 2027] | 4300 | [893, 5220]  | 7373 | [9556, 9557] | 10446 | [7688, 3536]   |
| 1228 | [2286, 2287] | 4301 | [5690, 6435] | 7374 | [4282, 3942] | 10447 | [449, 4692]    |
| 1229 | [2288, 2289] | 4302 | [6639, 6640] | 7375 | [9558, 4016] | 10448 | [8170, 4590]   |
| 1230 | [2290, 2291] | 4303 | [2270, 6641] | 7376 | [9559, 4308] | 10449 | [11633, 8323]  |
| 1231 | [2292, 935]  | 4304 | [820, 6642]  | 7377 | [4895, 9406] | 10450 | [8509, 3759]   |
| 1232 | [2293, 1980] | 4305 | [6643, 2509] | 7378 | [9560, 9561] | 10451 | [11634, 1056]  |
| 1233 | [2294, 949]  | 4306 | [6644, 6327] | 7379 | [9562, 4447] | 10452 | [9628, 7567]   |
| 1234 | [2295, 2296] | 4307 | [6645, 6646] | 7380 | [4433, 8211] | 10453 | [11635, 1480]  |
| 1235 | [2297, 2298] | 4308 | [6647, 6648] | 7381 | [1109, 4085] | 10454 | [11191, 3896]  |
| 1236 | [2299, 2300] | 4309 | [6649, 6650] | 7382 | [8956, 3806] | 10455 | [11636, 3294]  |
| 1237 | [2301, 2302] | 4310 | [6651, 2535] | 7383 | [8225, 1351] | 10456 | [1348, 4997]   |
| 1238 | [2303, 2304] | 4311 | [6652, 6653] | 7384 | [9563, 9564] | 10457 | [1819, 8307]   |
| 1239 | [2296, 2305] | 4312 | [6654, 1857] | 7385 | [9565, 8289] | 10458 | [7745, 8134]   |
| 1240 | [2064, 2306] | 4313 | [6636, 710]  | 7386 | [9566, 9567] | 10459 | [11637, 11638] |
| 1241 | [2307, 2308] | 4314 | [6655, 6656] | 7387 | [8022, 9568] | 10460 | [1252, 11639]  |
| 1242 | [2309, 948]  | 4315 | [5918, 216]  | 7388 | [8637, 8463] | 10461 | [1194, 9086]   |
| 1243 | [2310, 2311] | 4316 | [6657, 6658] | 7389 | [7993, 9569] | 10462 | [8901, 4576]   |
| 1244 | [894, 2312]  | 4317 | [6649, 1861] | 7390 | [9570, 9571] | 10463 | [1804, 3591]   |
| 1245 | [727, 222]   | 4318 | [6659, 5373] | 7391 | [9572, 8486] | 10464 | [3667, 11640]  |
| 1246 | [792, 2313]  | 4319 | [6660, 6661] | 7392 | [9573, 9472] | 10465 | [9600, 11641]  |
| 1247 | [2314, 1964] | 4320 | [6662, 2383] | 7393 | [1616, 1562] | 10466 | [11642, 3803]  |
| 1248 | [2315, 2316] | 4321 | [52, 2189]   | 7394 | [3647, 3773] | 10467 | [11643, 3830]  |
| 1249 | [2317, 748]  | 4322 | [6663, 6664] | 7395 | [9165, 7656] | 10468 | [7799, 8910]   |
| 1250 | [2318, 2319] | 4323 | [6665, 2827] | 7396 | [8525, 1090] | 10469 | [7535, 11644]  |
| 1251 | [2320, 2321] | 4324 | [514, 6666]  | 7397 | [7781, 7577] | 10470 | [11645, 8564]  |
| 1252 | [2322, 2323] | 4325 | [2119, 5704] | 7398 | [1682, 9574] | 10471 | [4544, 1392]   |
| 1253 | [2324, 2325] | 4326 | [6667, 5650] | 7399 | [9575, 4517] | 10472 | [11349, 11646] |
| 1254 | [2326, 2327] | 4327 | [6668, 6669] | 7400 | [8317, 9576] | 10473 | [1022, 11647]  |
| 1255 | [2328, 2329] | 4328 | [6670, 2800] | 7401 | [5168, 63]   | 10474 | [4682, 7849]   |
| 1256 | [2330, 141]  | 4329 | [6671, 6672] | 7402 | [3470, 9577] | 10475 | [8608, 4219]   |
| 1257 | [2331, 2332] | 4330 | [6090, 6080] | 7403 | [9578, 9579] | 10476 | [410, 4263]    |
| 1258 | [704, 2333]  | 4331 | [6673, 6674] | 7404 | [8318, 9580] | 10477 | [8014, 1625]   |
| 1259 | [2334, 2335] | 4332 | [881, 2086]  | 7405 | [9581, 9582] | 10478 | [9013, 4350]   |
| 1260 | [2336, 2337] | 4333 | [5948, 6675] | 7406 | [7868, 4216] | 10479 | [1805, 11648]  |
| 1261 | [2338, 2339] | 4334 | [6676, 6592] | 7407 | [9583, 3470] | 10480 | [4152, 11649]  |
| 1262 | [2340, 2195] | 4335 | [6677, 2501] | 7408 | [8523, 4003] | 10481 | [8624, 459]    |
| 1263 | [2341, 2342] | 4336 | [6678, 6679] | 7409 | [9112, 4009] | 10482 | [11650, 7908]  |

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|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1264 | [2343, 2183] | 4337 | [5331, 682]  | 7410 | [1348, 3817] | 10483 | [9494, 4368]   |
| 1265 | [2344, 2345] | 4338 | [6680, 150]  | 7411 | [8579, 9584] | 10484 | [8739, 1303]   |
| 1266 | [2346, 173]  | 4339 | [6681, 5767] | 7412 | [4090, 3576] | 10485 | [7929, 4229]   |
| 1267 | [2347, 2348] | 4340 | [6682, 2701] | 7413 | [9585, 9586] | 10486 | [9363, 3861]   |
| 1268 | [2349, 2350] | 4341 | [2986, 5995] | 7414 | [3726, 8695] | 10487 | [1435, 1690]   |
| 1269 | [2351, 2352] | 4342 | [6683, 6684] | 7415 | [8705, 4155] | 10488 | [1268, 11651]  |
| 1270 | [806, 2353]  | 4343 | [2039, 2703] | 7416 | [4326, 7724] | 10489 | [4810, 8001]   |
| 1271 | [2354, 2355] | 4344 | [2119, 6685] | 7417 | [9587, 7951] | 10490 | [493, 11652]   |
| 1272 | [2356, 2357] | 4345 | [6686, 5708] | 7418 | [1274, 8513] | 10491 | [8992, 1393]   |
| 1273 | [2358, 2359] | 4346 | [6687, 6688] | 7419 | [9436, 4858] | 10492 | [1061, 11653]  |
| 1274 | [2360, 2361] | 4347 | [6689, 6690] | 7420 | [3214, 9588] | 10493 | [11547, 11654] |
| 1275 | [2362, 2363] | 4348 | [6332, 6691] | 7421 | [8928, 8174] | 10494 | [1173, 11655]  |
| 1276 | [2108, 2364] | 4349 | [6692, 1949] | 7422 | [3892, 9589] | 10495 | [4542, 3221]   |
| 1277 | [2365, 2366] | 4350 | [6693, 2569] | 7423 | [980, 1681]  | 10496 | [7658, 8014]   |
| 1278 | [2143, 2170] | 4351 | [2199, 2739] | 7424 | [7643, 4801] | 10497 | [3657, 4383]   |
| 1279 | [2047, 2367] | 4352 | [6694, 2567] | 7425 | [9486, 8303] | 10498 | [3273, 11656]  |
| 1280 | [2368, 2369] | 4353 | [6695, 2189] | 7426 | [4781, 94]   | 10499 | [11657, 1096]  |
| 1281 | [2370, 2371] | 4354 | [5322, 5323] | 7427 | [9590, 9591] | 10500 | [1441, 11658]  |
| 1282 | [2372, 2373] | 4355 | [2657, 6696] | 7428 | [9592, 9593] | 10501 | [1551, 3878]   |
| 1283 | [2374, 2375] | 4356 | [6697, 756]  | 7429 | [8233, 9594] | 10502 | [11574, 9278]  |
| 1284 | [2376, 2099] | 4357 | [6698, 6699] | 7430 | [8952, 1294] | 10503 | [4926, 5]      |
| 1285 | [2377, 2378] | 4358 | [2658, 197]  | 7431 | [3828, 5119] | 10504 | [11483, 11659] |
| 1286 | [2379, 2380] | 4359 | [3050, 6697] | 7432 | [8718, 9595] | 10505 | [3987, 11660]  |
| 1287 | [2381, 2382] | 4360 | [6700, 6701] | 7433 | [9596, 8145] | 10506 | [8374, 3252]   |
| 1288 | [2383, 2384] | 4361 | [6702, 6703] | 7434 | [7987, 9597] | 10507 | [8779, 11661]  |
| 1289 | [2385, 2386] | 4362 | [2257, 2266] | 7435 | [9598, 8254] | 10508 | [3925, 11317]  |
| 1290 | [2387, 2388] | 4363 | [5562, 2019] | 7436 | [9599, 1550] | 10509 | [8842, 1250]   |
| 1291 | [2389, 2390] | 4364 | [6704, 2516] | 7437 | [3339, 4135] | 10510 | [11662, 8398]  |
| 1292 | [2391, 2392] | 4365 | [5980, 6565] | 7438 | [9600, 1221] | 10511 | [11398, 3209]  |
| 1293 | [2393, 2394] | 4366 | [6705, 2922] | 7439 | [4649, 3813] | 10512 | [9643, 11663]  |
| 1294 | [2395, 636]  | 4367 | [6706, 6707] | 7440 | [9168, 9601] | 10513 | [1152, 11664]  |
| 1295 | [2396, 2397] | 4368 | [6708, 6709] | 7441 | [9602, 8457] | 10514 | [8481, 3310]   |
| 1296 | [2398, 2399] | 4369 | [5698, 2167] | 7442 | [9603, 492]  | 10515 | [7774, 11665]  |
| 1297 | [2400, 2401] | 4370 | [6710, 6711] | 7443 | [8463, 7766] | 10516 | [11666, 8887]  |
| 1298 | [2402, 2403] | 4371 | [6712, 6713] | 7444 | [4734, 4069] | 10517 | [11342, 447]   |
| 1299 | [2404, 2405] | 4372 | [636, 1879]  | 7445 | [8201, 9604] | 10518 | [1472, 11667]  |
| 1300 | [2406, 2407] | 4373 | [6714, 5616] | 7446 | [4347, 3473] | 10519 | [11668, 11669] |
| 1301 | [2408, 2409] | 4374 | [1955, 5791] | 7447 | [9605, 4524] | 10520 | [8881, 8698]   |
| 1302 | [2410, 2048] | 4375 | [6715, 2610] | 7448 | [4554, 996]  | 10521 | [11670, 8251]  |
| 1303 | [2411, 748]  | 4376 | [647, 2060]  | 7449 | [9606, 1206] | 10522 | [11671, 3438]  |
| 1304 | [2412, 2413] | 4377 | [6716, 2671] | 7450 | [9607, 9608] | 10523 | [112, 8006]    |
| 1305 | [2414, 2415] | 4378 | [6717, 5213] | 7451 | [9609, 9610] | 10524 | [1514, 4660]   |
| 1306 | [2416, 904]  | 4379 | [6522, 6718] | 7452 | [4593, 3666] | 10525 | [11672, 11673] |
| 1307 | [2417, 749]  | 4380 | [2300, 6719] | 7453 | [1498, 9449] | 10526 | [7744, 8129]   |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1308 | [2418, 2419] | 4381 | [546, 518]   | 7454 | [9611, 8958] | 10527 | [1318, 11674]  |
| 1309 | [2420, 2421] | 4382 | [6720, 6060] | 7455 | [4876, 461]  | 10528 | [11675, 1192]  |
| 1310 | [2422, 2423] | 4383 | [6691, 3173] | 7456 | [8182, 8514] | 10529 | [4204, 11676]  |
| 1311 | [2424, 2425] | 4384 | [6631, 6721] | 7457 | [7549, 91]   | 10530 | [8042, 8891]   |
| 1312 | [2426, 2427] | 4385 | [6722, 1835] | 7458 | [465, 3975]  | 10531 | [8942, 1215]   |
| 1313 | [565, 2428]  | 4386 | [6723, 6724] | 7459 | [9612, 5169] | 10532 | [11677, 5180]  |
| 1314 | [2429, 2430] | 4387 | [6725, 5732] | 7460 | [5117, 9613] | 10533 | [1756, 11678]  |
| 1315 | [2431, 2432] | 4388 | [2384, 5837] | 7461 | [4924, 1330] | 10534 | [4618, 4489]   |
| 1316 | [2433, 2434] | 4389 | [6726, 6727] | 7462 | [5061, 7732] | 10535 | [11679, 4137]  |
| 1317 | [2435, 2436] | 4390 | [6567, 3026] | 7463 | [9614, 8351] | 10536 | [11186, 4912]  |
| 1318 | [2105, 2437] | 4391 | [838, 6728]  | 7464 | [4623, 9615] | 10537 | [3445, 1126]   |
| 1319 | [2438, 2439] | 4392 | [912, 2384]  | 7465 | [9616, 3378] | 10538 | [11530, 11680] |
| 1320 | [2440, 2441] | 4393 | [3107, 6729] | 7466 | [9617, 8472] | 10539 | [1468, 11681]  |
| 1321 | [2442, 2443] | 4394 | [5377, 2182] | 7467 | [9218, 1689] | 10540 | [8740, 4812]   |
| 1322 | [2444, 2445] | 4395 | [6730, 2622] | 7468 | [9167, 1697] | 10541 | [9351, 4965]   |
| 1323 | [940, 2338]  | 4396 | [6731, 6732] | 7469 | [5177, 5200] | 10542 | [11682, 11683] |
| 1324 | [2446, 2447] | 4397 | [6733, 2414] | 7470 | [3857, 3851] | 10543 | [3696, 4838]   |
| 1325 | [2448, 2449] | 4398 | [2793, 6219] | 7471 | [9618, 9153] | 10544 | [8577, 4698]   |
| 1326 | [2450, 2451] | 4399 | [6734, 961]  | 7472 | [9619, 9620] | 10545 | [1327, 11684]  |
| 1327 | [2452, 2453] | 4400 | [5824, 6735] | 7473 | [9621, 1741] | 10546 | [5, 11685]     |
| 1328 | [2454, 2455] | 4401 | [2845, 880]  | 7474 | [9523, 7760] | 10547 | [4436, 7725]   |
| 1329 | [2324, 2456] | 4402 | [2028, 2599] | 7475 | [9622, 8257] | 10548 | [11608, 1461]  |
| 1330 | [2457, 2458] | 4403 | [6736, 2182] | 7476 | [8104, 9623] | 10549 | [9538, 8941]   |
| 1331 | [560, 2367]  | 4404 | [6737, 6738] | 7477 | [354, 4852]  | 10550 | [4522, 4642]   |
| 1332 | [2459, 2460] | 4405 | [3196, 6397] | 7478 | [4327, 1717] | 10551 | [4874, 11686]  |
| 1333 | [2461, 2462] | 4406 | [6739, 869]  | 7479 | [9624, 8862] | 10552 | [3905, 4492]   |
| 1334 | [2177, 1913] | 4407 | [6740, 6741] | 7480 | [8828, 3794] | 10553 | [1251, 9327]   |
| 1335 | [2463, 951]  | 4408 | [6742, 5955] | 7481 | [99, 4874]   | 10554 | [4538, 8356]   |
| 1336 | [853, 2464]  | 4409 | [2102, 6117] | 7482 | [9625, 9593] | 10555 | [11633, 1255]  |
| 1337 | [2465, 2466] | 4410 | [802, 6743]  | 7483 | [8995, 3709] | 10556 | [11687, 8337]  |
| 1338 | [2467, 2468] | 4411 | [2231, 696]  | 7484 | [3807, 1730] | 10557 | [11672, 11257] |
| 1339 | [2469, 2470] | 4412 | [6744, 6745] | 7485 | [8501, 9626] | 10558 | [8691, 11688]  |
| 1340 | [2471, 2472] | 4413 | [3063, 646]  | 7486 | [7756, 1514] | 10559 | [9614, 4667]   |
| 1341 | [2473, 826]  | 4414 | [6746, 2927] | 7487 | [9222, 9627] | 10560 | [11689, 4657]  |
| 1342 | [2474, 897]  | 4415 | [6747, 607]  | 7488 | [3472, 3493] | 10561 | [1256, 11690]  |
| 1343 | [2475, 2163] | 4416 | [6748, 3032] | 7489 | [9628, 9629] | 10562 | [1098, 9270]   |
| 1344 | [2476, 2477] | 4417 | [5895, 6749] | 7490 | [8468, 277]  | 10563 | [11691, 4759]  |
| 1345 | [2478, 2479] | 4418 | [2395, 6750] | 7491 | [1608, 258]  | 10564 | [4329, 385]    |
| 1346 | [2480, 1905] | 4419 | [6751, 1877] | 7492 | [9630, 3378] | 10565 | [11692, 1151]  |
| 1347 | [2481, 2482] | 4420 | [6752, 6753] | 7493 | [3367, 4365] | 10566 | [11622, 11693] |
| 1348 | [2483, 766]  | 4421 | [671, 6754]  | 7494 | [4352, 9631] | 10567 | [8910, 4588]   |
| 1349 | [2484, 2485] | 4422 | [2492, 2034] | 7495 | [3436, 5122] | 10568 | [11668, 9465]  |
| 1350 | [2486, 2487] | 4423 | [6427, 6755] | 7496 | [4803, 9632] | 10569 | [1035, 4560]   |
| 1351 | [2488, 2489] | 4424 | [6756, 801]  | 7497 | [1543, 9633] | 10570 | [4780, 93]     |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1352 | [2490, 12]   | 4425 | [6757, 6758] | 7498 | [1635, 4598] | 10571 | [5198, 9259]   |
| 1353 | [2491, 2492] | 4426 | [5349, 2143] | 7499 | [9634, 3323] | 10572 | [11694, 8530]  |
| 1354 | [2493, 2494] | 4427 | [2373, 6759] | 7500 | [9277, 9635] | 10573 | [7741, 1698]   |
| 1355 | [2495, 2496] | 4428 | [6760, 6761] | 7501 | [9375, 5103] | 10574 | [11695, 8296]  |
| 1356 | [2497, 2498] | 4429 | [6762, 5912] | 7502 | [7865, 9636] | 10575 | [1010, 11696]  |
| 1357 | [2499, 2500] | 4430 | [6763, 240]  | 7503 | [7802, 1650] | 10576 | [11697, 1596]  |
| 1358 | [141, 2343]  | 4431 | [6764, 6765] | 7504 | [9402, 3316] | 10577 | [11698, 8470]  |
| 1359 | [777, 565]   | 4432 | [6766, 6767] | 7505 | [9637, 4624] | 10578 | [9592, 11699]  |
| 1360 | [2501, 2502] | 4433 | [6768, 1927] | 7506 | [295, 8907]  | 10579 | [4148, 4139]   |
| 1361 | [2503, 2504] | 4434 | [6769, 716]  | 7507 | [9146, 8928] | 10580 | [8560, 11440]  |
| 1362 | [528, 2505]  | 4435 | [5419, 6770] | 7508 | [1493, 5114] | 10581 | [8259, 11700]  |
| 1363 | [2506, 149]  | 4436 | [6771, 793]  | 7509 | [8866, 8479] | 10582 | [8100, 11701]  |
| 1364 | [2507, 2508] | 4437 | [6732, 6772] | 7510 | [8394, 9638] | 10583 | [8588, 8867]   |
| 1365 | [846, 601]   | 4438 | [514, 2993]  | 7511 | [9639, 9640] | 10584 | [4248, 4929]   |
| 1366 | [2509, 2510] | 4439 | [6773, 664]  | 7512 | [9607, 9396] | 10585 | [7898, 11702]  |
| 1367 | [2511, 1910] | 4440 | [6774, 6775] | 7513 | [8779, 7931] | 10586 | [4807, 1486]   |
| 1368 | [2512, 2513] | 4441 | [6776, 6777] | 7514 | [9641, 4020] | 10587 | [8703, 11703]  |
| 1369 | [2514, 2149] | 4442 | [6778, 5260] | 7515 | [9642, 4206] | 10588 | [8616, 11704]  |
| 1370 | [825, 2515]  | 4443 | [6779, 585]  | 7516 | [9643, 9040] | 10589 | [8829, 5166]   |
| 1371 | [2516, 2517] | 4444 | [5367, 2331] | 7517 | [3840, 9644] | 10590 | [11705, 11706] |
| 1372 | [2518, 2421] | 4445 | [6780, 6781] | 7518 | [9451, 4485] | 10591 | [1530, 11707]  |
| 1373 | [2519, 2520] | 4446 | [6682, 2908] | 7519 | [9334, 3671] | 10592 | [11708, 8109]  |
| 1374 | [2521, 2522] | 4447 | [6218, 6416] | 7520 | [357, 8665]  | 10593 | [11469, 9237]  |
| 1375 | [2523, 2524] | 4448 | [6686, 5869] | 7521 | [8851, 9540] | 10594 | [11709, 11710] |
| 1376 | [2525, 2526] | 4449 | [6782, 5905] | 7522 | [4394, 3847] | 10595 | [5051, 1457]   |
| 1377 | [2527, 2528] | 4450 | [5922, 6084] | 7523 | [9645, 8344] | 10596 | [1372, 9137]   |
| 1378 | [843, 2529]  | 4451 | [6783, 6784] | 7524 | [9646, 4705] | 10597 | [11380, 11562] |
| 1379 | [2530, 2531] | 4452 | [6785, 557]  | 7525 | [4375, 5171] | 10598 | [1385, 11711]  |
| 1380 | [2532, 2533] | 4453 | [6520, 5617] | 7526 | [4028, 5005] | 10599 | [5075, 11712]  |
| 1381 | [2534, 2535] | 4454 | [6219, 2397] | 7527 | [9647, 654]  | 10600 | [8640, 8154]   |
| 1382 | [1848, 2536] | 4455 | [6786, 6787] | 7528 | [9648, 6436] | 10601 | [416, 3346]    |
| 1383 | [2537, 1838] | 4456 | [6788, 6789] | 7529 | [2839, 2848] | 10602 | [4918, 11713]  |
| 1384 | [2538, 2539] | 4457 | [6378, 712]  | 7530 | [9649, 5291] | 10603 | [11714, 11444] |
| 1385 | [2540, 2541] | 4458 | [599, 2686]  | 7531 | [1842, 3053] | 10604 | [5021, 1337]   |
| 1386 | [2542, 963]  | 4459 | [6790, 2711] | 7532 | [6987, 676]  | 10605 | [11715, 11354] |
| 1387 | [2543, 2544] | 4460 | [6791, 6792] | 7533 | [9650, 9651] | 10606 | [3786, 1670]   |
| 1388 | [2545, 2546] | 4461 | [5482, 6436] | 7534 | [9652, 9653] | 10607 | [4155, 4914]   |
| 1389 | [2547, 2548] | 4462 | [6793, 5863] | 7535 | [9654, 7258] | 10608 | [4103, 1006]   |
| 1390 | [2549, 1935] | 4463 | [6794, 6795] | 7536 | [866, 2029]  | 10609 | [11716, 3405]  |
| 1391 | [2550, 2551] | 4464 | [5602, 6796] | 7537 | [1854, 5292] | 10610 | [11512, 349]   |
| 1392 | [2551, 2552] | 4465 | [6797, 817]  | 7538 | [9655, 6154] | 10611 | [3765, 4661]   |
| 1393 | [1866, 2553] | 4466 | [2988, 505]  | 7539 | [9656, 9657] | 10612 | [3540, 352]    |
| 1394 | [1851, 1917] | 4467 | [6798, 6799] | 7540 | [5422, 5720] | 10613 | [11427, 11717] |
| 1395 | [2554, 2555] | 4468 | [5975, 849]  | 7541 | [773, 7183]  | 10614 | [11718, 9046]  |

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|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1396 | [1966, 2556] | 4469 | [5441, 6800] | 7542 | [9658, 9659] | 10615 | [11404, 4413]  |
| 1397 | [2557, 2558] | 4470 | [6429, 6086] | 7543 | [9660, 7299] | 10616 | [5004, 11719]  |
| 1398 | [2559, 2130] | 4471 | [6070, 6801] | 7544 | [9661, 7456] | 10617 | [4105, 492]    |
| 1399 | [2560, 2561] | 4472 | [6802, 6803] | 7545 | [708, 5971]  | 10618 | [11720, 11721] |
| 1400 | [2562, 2563] | 4473 | [743, 3154]  | 7546 | [2210, 9662] | 10619 | [11722, 1146]  |
| 1401 | [2564, 2565] | 4474 | [6804, 6805] | 7547 | [7113, 9663] | 10620 | [1407, 1434]   |
| 1402 | [2566, 2567] | 4475 | [6806, 6003] | 7548 | [9664, 5478] | 10621 | [9273, 9010]   |
| 1403 | [1995, 2568] | 4476 | [6807, 6808] | 7549 | [9665, 2946] | 10622 | [9268, 1510]   |
| 1404 | [732, 2569]  | 4477 | [6809, 6810] | 7550 | [9666, 7037] | 10623 | [11723, 11187] |
| 1405 | [2570, 950]  | 4478 | [6394, 6811] | 7551 | [5596, 9667] | 10624 | [9277, 8548]   |
| 1406 | [2571, 2211] | 4479 | [6812, 6813] | 7552 | [3035, 3034] | 10625 | [8694, 3646]   |
| 1407 | [2572, 2573] | 4480 | [6814, 6325] | 7553 | [9668, 3136] | 10626 | [11724, 5164]  |
| 1408 | [2574, 2575] | 4481 | [6815, 6816] | 7554 | [6481, 3013] | 10627 | [11725, 11726] |
| 1409 | [2576, 763]  | 4482 | [5448, 861]  | 7555 | [2965, 9669] | 10628 | [8123, 9115]   |
| 1410 | [2577, 2578] | 4483 | [6817, 6463] | 7556 | [2576, 9670] | 10629 | [11642, 1749]  |
| 1411 | [2579, 2580] | 4484 | [806, 6818]  | 7557 | [9671, 2990] | 10630 | [11727, 11728] |
| 1412 | [2051, 2581] | 4485 | [5666, 5581] | 7558 | [9672, 9673] | 10631 | [9048, 1561]   |
| 1413 | [2582, 2583] | 4486 | [3173, 6819] | 7559 | [9674, 5396] | 10632 | [8496, 1171]   |
| 1414 | [2584, 2585] | 4487 | [6820, 6821] | 7560 | [2045, 2171] | 10633 | [11474, 11729] |
| 1415 | [924, 2586]  | 4488 | [5330, 6822] | 7561 | [6162, 1956] | 10634 | [3675, 11730]  |
| 1416 | [2587, 2588] | 4489 | [6823, 6824] | 7562 | [9675, 5632] | 10635 | [9171, 11731]  |
| 1417 | [568, 210]   | 4490 | [6825, 6338] | 7563 | [9676, 6370] | 10636 | [8085, 3809]   |
| 1418 | [2589, 2590] | 4491 | [6826, 6827] | 7564 | [9677, 9678] | 10637 | [9522, 11732]  |
| 1419 | [2591, 2592] | 4492 | [6828, 6829] | 7565 | [9679, 9680] | 10638 | [11733, 11318] |
| 1420 | [2593, 2594] | 4493 | [6830, 6831] | 7566 | [5807, 9681] | 10639 | [9290, 9503]   |
| 1421 | [2595, 2596] | 4494 | [6423, 6832] | 7567 | [62, 7021]   | 10640 | [7655, 8389]   |
| 1422 | [2597, 2598] | 4495 | [6833, 6834] | 7568 | [9682, 6141] | 10641 | [7953, 4555]   |
| 1423 | [2497, 2599] | 4496 | [3167, 2497] | 7569 | [862, 1922]  | 10642 | [11734, 8903]  |
| 1424 | [2600, 2601] | 4497 | [6835, 6836] | 7570 | [941, 9683]  | 10643 | [7533, 4601]   |
| 1425 | [2178, 2602] | 4498 | [6837, 5909] | 7571 | [7123, 6864] | 10644 | [4847, 4525]   |
| 1426 | [2603, 2604] | 4499 | [6838, 6547] | 7572 | [6780, 9684] | 10645 | [9044, 7598]   |
| 1427 | [2605, 2606] | 4500 | [6839, 6840] | 7573 | [9685, 5906] | 10646 | [11735, 11226] |
| 1428 | [2607, 2608] | 4501 | [6841, 757]  | 7574 | [6438, 9686] | 10647 | [417, 11736]   |
| 1429 | [2609, 149]  | 4502 | [197, 6842]  | 7575 | [9687, 7522] | 10648 | [9309, 11737]  |
| 1430 | [2610, 2611] | 4503 | [6843, 2650] | 7576 | [9688, 9689] | 10649 | [11738, 11739] |
| 1431 | [2612, 2613] | 4504 | [5493, 6844] | 7577 | [9690, 1928] | 10650 | [3685, 3467]   |
| 1432 | [2234, 2614] | 4505 | [757, 6696]  | 7578 | [7063, 5383] | 10651 | [3355, 11740]  |
| 1433 | [2615, 2616] | 4506 | [1935, 1866] | 7579 | [9691, 9692] | 10652 | [11624, 3573]  |
| 1434 | [2617, 2618] | 4507 | [6845, 2550] | 7580 | [905, 9693]  | 10653 | [8893, 4339]   |
| 1435 | [2619, 2620] | 4508 | [5320, 2653] | 7581 | [9694, 9695] | 10654 | [5137, 11741]  |
| 1436 | [2621, 2622] | 4509 | [5491, 6841] | 7582 | [9696, 6033] | 10655 | [8842, 11742]  |
| 1437 | [2623, 211]  | 4510 | [6696, 6846] | 7583 | [9697, 9698] | 10656 | [8245, 1548]   |
| 1438 | [2624, 2625] | 4511 | [6696, 3050] | 7584 | [2995, 9699] | 10657 | [11578, 11743] |
| 1439 | [2626, 2627] | 4512 | [6847, 2553] | 7585 | [2586, 7482] | 10658 | [8334, 11744]  |

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|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1440 | [2628, 2629] | 4513 | [6848, 723]  | 7586 | [9700, 5418] | 10659 | [11745, 11746] |
| 1441 | [2630, 2631] | 4514 | [6699, 6845] | 7587 | [9701, 6333] | 10660 | [9518, 3242]   |
| 1442 | [2632, 2633] | 4515 | [5493, 2655] | 7588 | [9702, 9703] | 10661 | [11747, 4321]  |
| 1443 | [2634, 2635] | 4516 | [722, 6849]  | 7589 | [2861, 9704] | 10662 | [1477, 9221]   |
| 1444 | [1985, 2636] | 4517 | [2552, 6699] | 7590 | [9705, 6000] | 10663 | [9494, 4291]   |
| 1445 | [2637, 2638] | 4518 | [6849, 2652] | 7591 | [6224, 1904] | 10664 | [1553, 11748]  |
| 1446 | [2021, 2639] | 4519 | [6698, 758]  | 7592 | [6692, 5778] | 10665 | [3369, 5135]   |
| 1447 | [2640, 2641] | 4520 | [6850, 6787] | 7593 | [5252, 3161] | 10666 | [4810, 11749]  |
| 1448 | [2642, 2643] | 4521 | [5293, 5560] | 7594 | [9706, 9707] | 10667 | [8476, 1007]   |
| 1449 | [2644, 2645] | 4522 | [5626, 6851] | 7595 | [9708, 2950] | 10668 | [11750, 11751] |
| 1450 | [2646, 738]  | 4523 | [6852, 2454] | 7596 | [6318, 6452] | 10669 | [9239, 11349]  |
| 1451 | [2647, 2648] | 4524 | [3147, 6398] | 7597 | [9709, 1926] | 10670 | [11424, 3631]  |
| 1452 | [1934, 1865] | 4525 | [6853, 6854] | 7598 | [1828, 2528] | 10671 | [4696, 9025]   |
| 1453 | [2649, 2650] | 4526 | [6855, 234]  | 7599 | [9710, 5656] | 10672 | [4265, 11752]  |
| 1454 | [2649, 2651] | 4527 | [6856, 6857] | 7600 | [9711, 6778] | 10673 | [1037, 11753]  |
| 1455 | [723, 2652]  | 4528 | [6858, 2949] | 7601 | [9712, 6718] | 10674 | [8366, 3641]   |
| 1456 | [2653, 2654] | 4529 | [3135, 5239] | 7602 | [9713, 9714] | 10675 | [11568, 4780]  |
| 1457 | [2655, 2649] | 4530 | [6859, 6633] | 7603 | [9715, 9716] | 10676 | [9047, 1560]   |
| 1458 | [2652, 2653] | 4531 | [2611, 689]  | 7604 | [6262, 9717] | 10677 | [1740, 11754]  |
| 1459 | [2656, 2655] | 4532 | [867, 6860]  | 7605 | [9718, 251]  | 10678 | [8926, 7836]   |
| 1460 | [756, 2657]  | 4533 | [543, 5850]  | 7606 | [9719, 9720] | 10679 | [8086, 11755]  |
| 1461 | [761, 2658]  | 4534 | [6861, 686]  | 7607 | [5931, 9721] | 10680 | [9140, 7645]   |
| 1462 | [2659, 1934] | 4535 | [6862, 6863] | 7608 | [5544, 5711] | 10681 | [4074, 9301]   |
| 1463 | [2660, 2661] | 4536 | [6864, 6290] | 7609 | [2437, 133]  | 10682 | [1301, 5195]   |
| 1464 | [759, 2550]  | 4537 | [6865, 6866] | 7610 | [9722, 6176] | 10683 | [3402, 3435]   |
| 1465 | [2662, 760]  | 4538 | [6867, 6868] | 7611 | [9723, 9724] | 10684 | [9499, 11175]  |
| 1466 | [2663, 2664] | 4539 | [6869, 6870] | 7612 | [2977, 9725] | 10685 | [8586, 11756]  |
| 1467 | [2665, 2666] | 4540 | [6871, 6872] | 7613 | [9726, 2290] | 10686 | [11689, 8029]  |
| 1468 | [2667, 2668] | 4541 | [5773, 6873] | 7614 | [9727, 2194] | 10687 | [8531, 11757]  |
| 1469 | [2669, 2530] | 4542 | [6874, 6603] | 7615 | [9728, 9729] | 10688 | [11297, 11758] |
| 1470 | [2670, 2671] | 4543 | [6875, 6876] | 7616 | [9730, 1972] | 10689 | [11759, 1278]  |
| 1471 | [2672, 2673] | 4544 | [6877, 6878] | 7617 | [2990, 2378] | 10690 | [1172, 7644]   |
| 1472 | [1873, 2674] | 4545 | [2270, 2267] | 7618 | [9731, 9732] | 10691 | [9121, 9282]   |
| 1473 | [2675, 2676] | 4546 | [206, 2098]  | 7619 | [9733, 6409] | 10692 | [8594, 11760]  |
| 1474 | [2611, 2677] | 4547 | [6879, 2314] | 7620 | [7189, 908]  | 10693 | [11458, 1135]  |
| 1475 | [2678, 2679] | 4548 | [6880, 6553] | 7621 | [9734, 2202] | 10694 | [4936, 11761]  |
| 1476 | [2680, 1921] | 4549 | [6881, 6882] | 7622 | [2165, 2147] | 10695 | [8390, 1311]   |
| 1477 | [243, 2033]  | 4550 | [239, 2046]  | 7623 | [5528, 6550] | 10696 | [3855, 11762]  |
| 1478 | [2681, 2491] | 4551 | [6883, 5937] | 7624 | [2753, 3130] | 10697 | [1594, 1693]   |
| 1479 | [2682, 2683] | 4552 | [6884, 6885] | 7625 | [9735, 9736] | 10698 | [8033, 4460]   |
| 1480 | [2684, 185]  | 4553 | [5245, 6886] | 7626 | [9737, 9738] | 10699 | [11763, 7661]  |
| 1481 | [2685, 2686] | 4554 | [6750, 1879] | 7627 | [3128, 9739] | 10700 | [9556, 8442]   |
| 1482 | [2687, 2688] | 4555 | [1822, 6887] | 7628 | [9740, 2152] | 10701 | [9560, 7622]   |
| 1483 | [2594, 2689] | 4556 | [6888, 2562] | 7629 | [6237, 9741] | 10702 | [4123, 11764]  |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1484 | [496, 2690]  | 4557 | [6889, 1828] | 7630 | [2171, 6561] | 10703 | [7718, 8121]   |
| 1485 | [2691, 2692] | 4558 | [6890, 6069] | 7631 | [7285, 9742] | 10704 | [11747, 1287]  |
| 1486 | [2693, 2694] | 4559 | [6891, 6892] | 7632 | [871, 9743]  | 10705 | [11765, 3439]  |
| 1487 | [2695, 2696] | 4560 | [1940, 6893] | 7633 | [9744, 212]  | 10706 | [3933, 1813]   |
| 1488 | [2375, 2697] | 4561 | [6894, 6895] | 7634 | [9745, 7177] | 10707 | [11170, 4824]  |
| 1489 | [2698, 2699] | 4562 | [6896, 6897] | 7635 | [710, 7179]  | 10708 | [1129, 7651]   |
| 1490 | [2700, 2627] | 4563 | [2777, 878]  | 7636 | [9746, 9747] | 10709 | [4982, 9381]   |
| 1491 | [582, 2701]  | 4564 | [1942, 2722] | 7637 | [9748, 9749] | 10710 | [11330, 9360]  |
| 1492 | [2702, 2703] | 4565 | [53, 2264]   | 7638 | [5371, 2376] | 10711 | [5053, 9607]   |
| 1493 | [2704, 2107] | 4566 | [6898, 6247] | 7639 | [7120, 6644] | 10712 | [11193, 11766] |
| 1494 | [2705, 1900] | 4567 | [6469, 6899] | 7640 | [9750, 6517] | 10713 | [8151, 3260]   |
| 1495 | [2706, 2707] | 4568 | [6900, 875]  | 7641 | [7435, 6174] | 10714 | [3731, 1520]   |
| 1496 | [2708, 2709] | 4569 | [6901, 6902] | 7642 | [9751, 9752] | 10715 | [9018, 1386]   |
| 1497 | [2710, 621]  | 4570 | [6903, 5282] | 7643 | [9753, 2174] | 10716 | [9530, 483]    |
| 1498 | [2711, 2712] | 4571 | [5727, 6566] | 7644 | [9754, 2005] | 10717 | [3805, 11767]  |
| 1499 | [167, 2327]  | 4572 | [6904, 5873] | 7645 | [9755, 6733] | 10718 | [11739, 4059]  |
| 1500 | [2713, 2454] | 4573 | [6109, 2814] | 7646 | [9756, 5958] | 10719 | [4413, 11768]  |
| 1501 | [2714, 2715] | 4574 | [6250, 6905] | 7647 | [9757, 6073] | 10720 | [312, 8529]    |
| 1502 | [2716, 2291] | 4575 | [2601, 1894] | 7648 | [5854, 9758] | 10721 | [11769, 8813]  |
| 1503 | [2717, 2718] | 4576 | [1825, 2085] | 7649 | [7506, 9759] | 10722 | [4694, 8673]   |
| 1504 | [510, 2719]  | 4577 | [1827, 2329] | 7650 | [7505, 5502] | 10723 | [4431, 11770]  |
| 1505 | [2720, 2721] | 4578 | [6906, 6907] | 7651 | [9760, 9761] | 10724 | [4462, 7600]   |
| 1506 | [2722, 2723] | 4579 | [3179, 6908] | 7652 | [2113, 1914] | 10725 | [11692, 5040]  |
| 1507 | [2724, 2725] | 4580 | [6909, 39]   | 7653 | [9762, 2730] | 10726 | [5189, 1575]   |
| 1508 | [2726, 2727] | 4581 | [6066, 6910] | 7654 | [9763, 9764] | 10727 | [8938, 3680]   |
| 1509 | [1875, 2728] | 4582 | [3160, 2247] | 7655 | [9765, 2956] | 10728 | [16, 3842]     |
| 1510 | [2729, 2730] | 4583 | [6911, 6912] | 7656 | [5566, 3053] | 10729 | [8359, 11771]  |
| 1511 | [2731, 2732] | 4584 | [6913, 5416] | 7657 | [5364, 5259] | 10730 | [11772, 4850]  |
| 1512 | [2733, 2633] | 4585 | [6914, 6532] | 7658 | [9766, 2914] | 10731 | [11773, 7539]  |
| 1513 | [2734, 2735] | 4586 | [6915, 6916] | 7659 | [2722, 2750] | 10732 | [11541, 4298]  |
| 1514 | [686, 2736]  | 4587 | [5726, 6917] | 7660 | [6549, 2754] | 10733 | [1619, 11774]  |
| 1515 | [2737, 2738] | 4588 | [6918, 6870] | 7661 | [9767, 5746] | 10734 | [11388, 3300]  |
| 1516 | [1993, 2739] | 4589 | [6919, 5829] | 7662 | [9768, 9769] | 10735 | [11242, 11775] |
| 1517 | [2740, 2741] | 4590 | [6728, 6920] | 7663 | [9770, 3042] | 10736 | [4267, 11776]  |
| 1518 | [2742, 2154] | 4591 | [6921, 2752] | 7664 | [9771, 7156] | 10737 | [4773, 3651]   |
| 1519 | [2743, 2744] | 4592 | [1868, 6922] | 7665 | [6730, 616]  | 10738 | [9529, 11777]  |
| 1520 | [2745, 2746] | 4593 | [6923, 5683] | 7666 | [9772, 6981] | 10739 | [9511, 11778]  |
| 1521 | [2747, 1958] | 4594 | [6924, 5280] | 7667 | [2153, 7493] | 10740 | [8397, 3584]   |
| 1522 | [2748, 2749] | 4595 | [6925, 5790] | 7668 | [9773, 9774] | 10741 | [9555, 11735]  |
| 1523 | [2750, 2751] | 4596 | [6926, 6927] | 7669 | [7381, 9775] | 10742 | [11492, 4011]  |
| 1524 | [2752, 2753] | 4597 | [5607, 6873] | 7670 | [6333, 3173] | 10743 | [11779, 1660]  |
| 1525 | [2754, 2755] | 4598 | [5509, 887]  | 7671 | [1866, 6839] | 10744 | [3924, 4563]   |
| 1526 | [2756, 2757] | 4599 | [6928, 6415] | 7672 | [9776, 9777] | 10745 | [9003, 1376]   |
| 1527 | [2758, 2759] | 4600 | [6929, 6930] | 7673 | [5321, 5490] | 10746 | [11780, 11781] |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1528 | [2760, 2761] | 4601 | [6931, 5629] | 7674 | [6699, 759]  | 10747 | [4296, 11494]  |
| 1529 | [2762, 2763] | 4602 | [6932, 6933] | 7675 | [2654, 6848] | 10748 | [72, 366]      |
| 1530 | [2764, 2765] | 4603 | [2559, 5800] | 7676 | [1865, 6847] | 10749 | [7705, 8519]   |
| 1531 | [2766, 2767] | 4604 | [6934, 6935] | 7677 | [9778, 9705] | 10750 | [4138, 4007]   |
| 1532 | [2768, 2769] | 4605 | [5572, 2961] | 7678 | [5227, 9779] | 10751 | [4802, 7558]   |
| 1533 | [2770, 2771] | 4606 | [6936, 6937] | 7679 | [9780, 9781] | 10752 | [8060, 3745]   |
| 1534 | [1833, 2242] | 4607 | [6938, 794]  | 7680 | [9749, 9782] | 10753 | [9642, 3307]   |
| 1535 | [2772, 2773] | 4608 | [822, 1834]  | 7681 | [6710, 9783] | 10754 | [8636, 1473]   |
| 1536 | [2774, 2775] | 4609 | [6537, 681]  | 7682 | [589, 2555]  | 10755 | [11607, 11782] |
| 1537 | [892, 2776]  | 4610 | [6036, 5356] | 7683 | [9784, 9785] | 10756 | [8787, 7831]   |
| 1538 | [2777, 2778] | 4611 | [6939, 6940] | 7684 | [9786, 699]  | 10757 | [11362, 9082]  |
| 1539 | [2779, 2780] | 4612 | [6941, 2974] | 7685 | [9787, 9788] | 10758 | [382, 3327]    |
| 1540 | [2781, 2782] | 4613 | [6942, 6943] | 7686 | [1914, 9789] | 10759 | [11694, 1279]  |
| 1541 | [2783, 2784] | 4614 | [6521, 5915] | 7687 | [9790, 6132] | 10760 | [8216, 11783]  |
| 1542 | [2232, 2523] | 4615 | [6944, 5278] | 7688 | [5293, 9791] | 10761 | [8225, 3211]   |
| 1543 | [739, 2785]  | 4616 | [6822, 181]  | 7689 | [5242, 3196] | 10762 | [5099, 8768]   |
| 1544 | [2786, 2787] | 4617 | [6945, 6946] | 7690 | [2192, 7078] | 10763 | [9185, 11784]  |
| 1545 | [2788, 2789] | 4618 | [6947, 6825] | 7691 | [9792, 688]  | 10764 | [11785, 11786] |
| 1546 | [2790, 538]  | 4619 | [6886, 6948] | 7692 | [9793, 9794] | 10765 | [9117, 8621]   |
| 1547 | [2791, 914]  | 4620 | [2979, 857]  | 7693 | [2906, 2101] | 10766 | [9303, 7854]   |
| 1548 | [2792, 2793] | 4621 | [6949, 6950] | 7694 | [7471, 2218] | 10767 | [329, 9225]    |
| 1549 | [2794, 2795] | 4622 | [6951, 6512] | 7695 | [9795, 1826] | 10768 | [9225, 11406]  |
| 1550 | [2796, 2797] | 4623 | [5606, 6952] | 7696 | [2610, 5684] | 10769 | [4766, 11787]  |
| 1551 | [2798, 2799] | 4624 | [2046, 560]  | 7697 | [2520, 9796] | 10770 | [9488, 8495]   |
| 1552 | [2800, 2801] | 4625 | [6953, 6954] | 7698 | [9797, 7321] | 10771 | [1441, 1230]   |
| 1553 | [2802, 2803] | 4626 | [520, 2674]  | 7699 | [9798, 9750] | 10772 | [11759, 1612]  |
| 1554 | [2804, 2805] | 4627 | [6955, 6711] | 7700 | [9746, 9799] | 10773 | [8892, 9061]   |
| 1555 | [2806, 2039] | 4628 | [6956, 6957] | 7701 | [6237, 5460] | 10774 | [4272, 11788]  |
| 1556 | [2807, 2808] | 4629 | [2387, 6855] | 7702 | [9800, 2689] | 10775 | [11789, 1264]  |
| 1557 | [2809, 1947] | 4630 | [6958, 6959] | 7703 | [2865, 2823] | 10776 | [7866, 8381]   |
| 1558 | [2810, 640]  | 4631 | [6960, 2199] | 7704 | [9801, 9802] | 10777 | [333, 4906]    |
| 1559 | [2811, 2812] | 4632 | [2221, 6961] | 7705 | [2789, 9803] | 10778 | [11790, 9252]  |
| 1560 | [2813, 2814] | 4633 | [2746, 6962] | 7706 | [9804, 6002] | 10779 | [11283, 8581]  |
| 1561 | [2815, 2816] | 4634 | [2507, 6963] | 7707 | [9805, 6005] | 10780 | [11791, 1643]  |
| 1562 | [2817, 2818] | 4635 | [6964, 2109] | 7708 | [1880, 2900] | 10781 | [11539, 11792] |
| 1563 | [2244, 2819] | 4636 | [6927, 6965] | 7709 | [2402, 9806] | 10782 | [9238, 3977]   |
| 1564 | [2820, 2821] | 4637 | [6966, 6089] | 7710 | [7089, 6986] | 10783 | [9496, 9514]   |
| 1565 | [2822, 2823] | 4638 | [902, 6127]  | 7711 | [7259, 141]  | 10784 | [9343, 11793]  |
| 1566 | [2824, 2825] | 4639 | [6967, 6968] | 7712 | [9807, 2335] | 10785 | [3456, 11794]  |
| 1567 | [2826, 2827] | 4640 | [6969, 2439] | 7713 | [923, 9808]  | 10786 | [11795, 11796] |
| 1568 | [2828, 2829] | 4641 | [6970, 6971] | 7714 | [9809, 5288] | 10787 | [11797, 11798] |
| 1569 | [2830, 2831] | 4642 | [6972, 6973] | 7715 | [9810, 9811] | 10788 | [5138, 4557]   |
| 1570 | [2832, 2833] | 4643 | [6974, 6975] | 7716 | [9812, 6692] | 10789 | [11799, 9502]  |
| 1571 | [2834, 2835] | 4644 | [6976, 6977] | 7717 | [9813, 9721] | 10790 | [4999, 4686]   |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1572 | [2836, 879]  | 4645 | [2509, 6192] | 7718 | [9814, 9815] | 10791 | [4696, 11800]  |
| 1573 | [2837, 2838] | 4646 | [6978, 5723] | 7719 | [9816, 5588] | 10792 | [7573, 11801]  |
| 1574 | [2839, 897]  | 4647 | [2308, 6979] | 7720 | [9816, 2274] | 10793 | [3628, 9187]   |
| 1575 | [2840, 2841] | 4648 | [6980, 6981] | 7721 | [9817, 544]  | 10794 | [9564, 11802]  |
| 1576 | [2842, 2843] | 4649 | [6982, 6983] | 7722 | [2411, 2417] | 10795 | [5022, 11803]  |
| 1577 | [880, 2844]  | 4650 | [628, 2461]  | 7723 | [715, 1946]  | 10796 | [474, 8704]    |
| 1578 | [2836, 2845] | 4651 | [6984, 5285] | 7724 | [9818, 9819] | 10797 | [8599, 11804]  |
| 1579 | [2846, 2847] | 4652 | [667, 6985]  | 7725 | [9820, 2148] | 10798 | [11805, 4225]  |
| 1580 | [2848, 898]  | 4653 | [6986, 205]  | 7726 | [9821, 6179] | 10799 | [11806, 11807] |
| 1581 | [2849, 2850] | 4654 | [6987, 6988] | 7727 | [9822, 2624] | 10800 | [11808, 11809] |
| 1582 | [2851, 2852] | 4655 | [6989, 6990] | 7728 | [9823, 9711] | 10801 | [9064, 11810]  |
| 1583 | [185, 2853]  | 4656 | [6991, 1845] | 7729 | [5365, 9824] | 10802 | [8011, 4712]   |
| 1584 | [2854, 2855] | 4657 | [6992, 6586] | 7730 | [2522, 6170] | 10803 | [11763, 3389]  |
| 1585 | [2856, 2857] | 4658 | [2603, 2141] | 7731 | [2235, 2749] | 10804 | [8143, 11811]  |
| 1586 | [2390, 2858] | 4659 | [6993, 6994] | 7732 | [9825, 5486] | 10805 | [4492, 11812]  |
| 1587 | [2859, 2860] | 4660 | [5588, 2275] | 7733 | [9826, 3014] | 10806 | [18, 4640]     |
| 1588 | [2861, 2862] | 4661 | [6995, 1986] | 7734 | [9827, 6534] | 10807 | [9559, 3686]   |
| 1589 | [2516, 2863] | 4662 | [5989, 6996] | 7735 | [6288, 2112] | 10808 | [4930, 9148]   |
| 1590 | [2864, 2865] | 4663 | [6247, 6997] | 7736 | [9828, 7383] | 10809 | [11679, 4323]  |
| 1591 | [2866, 2613] | 4664 | [6998, 1909] | 7737 | [9741, 2214] | 10810 | [3218, 105]    |
| 1592 | [227, 2606]  | 4665 | [6999, 6223] | 7738 | [5787, 5591] | 10811 | [3886, 374]    |
| 1593 | [2640, 2867] | 4666 | [7000, 7001] | 7739 | [2505, 1954] | 10812 | [3521, 1233]   |
| 1594 | [2004, 2238] | 4667 | [7002, 7003] | 7740 | [5834, 2516] | 10813 | [1177, 4031]   |
| 1595 | [173, 2868]  | 4668 | [2737, 7004] | 7741 | [9829, 9830] | 10814 | [4748, 11813]  |
| 1596 | [2869, 2870] | 4669 | [7005, 5596] | 7742 | [9831, 9832] | 10815 | [9485, 4177]   |
| 1597 | [2871, 2872] | 4670 | [7006, 7007] | 7743 | [9833, 9834] | 10816 | [4667, 11814]  |
| 1598 | [2873, 2874] | 4671 | [7008, 5344] | 7744 | [9835, 6148] | 10817 | [11637, 11189] |
| 1599 | [2875, 2301] | 4672 | [7009, 541]  | 7745 | [1853, 1965] | 10818 | [1234, 1238]   |
| 1600 | [2876, 2877] | 4673 | [7010, 7011] | 7746 | [5481, 9648] | 10819 | [3902, 11815]  |
| 1601 | [2878, 2879] | 4674 | [2816, 6131] | 7747 | [6408, 2298] | 10820 | [8520, 4675]   |
| 1602 | [2606, 2880] | 4675 | [7012, 5347] | 7748 | [9836, 9837] | 10821 | [9088, 1524]   |
| 1603 | [2326, 2881] | 4676 | [7013, 2972] | 7749 | [3154, 6491] | 10822 | [4371, 11816]  |
| 1604 | [2882, 2883] | 4677 | [7014, 6017] | 7750 | [6651, 9838] | 10823 | [271, 1152]    |
| 1605 | [2884, 2885] | 4678 | [941, 2339]  | 7751 | [2466, 6822] | 10824 | [7628, 11817]  |
| 1606 | [2886, 2887] | 4679 | [7015, 2093] | 7752 | [9839, 6865] | 10825 | [11468, 11818] |
| 1607 | [2343, 776]  | 4680 | [7016, 7017] | 7753 | [7116, 614]  | 10826 | [11620, 8609]  |
| 1608 | [2888, 509]  | 4681 | [7018, 7019] | 7754 | [9840, 2457] | 10827 | [11629, 9068]  |
| 1609 | [2889, 2890] | 4682 | [7020, 7021] | 7755 | [9841, 9842] | 10828 | [9429, 11819]  |
| 1610 | [2891, 2892] | 4683 | [7022, 7023] | 7756 | [9843, 5588] | 10829 | [103, 4882]    |
| 1611 | [1870, 2893] | 4684 | [7024, 7025] | 7757 | [9726, 2716] | 10830 | [11263, 8032]  |
| 1612 | [2894, 2191] | 4685 | [7026, 7027] | 7758 | [6609, 9844] | 10831 | [3787, 117]    |
| 1613 | [2895, 2192] | 4686 | [6787, 5745] | 7759 | [6548, 2917] | 10832 | [11750, 7541]  |
| 1614 | [2896, 2707] | 4687 | [7028, 7029] | 7760 | [9845, 3069] | 10833 | [1389, 3820]   |
| 1615 | [2897, 2898] | 4688 | [2979, 6676] | 7761 | [9846, 2395] | 10834 | [11517, 4355]  |

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|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1616 | [2899, 2900] | 4689 | [2578, 2084] | 7762 | [9847, 9848] | 10835 | [8550, 8465]   |
| 1617 | [2901, 2902] | 4690 | [7030, 7031] | 7763 | [6405, 9849] | 10836 | [11384, 984]   |
| 1618 | [2903, 2210] | 4691 | [7032, 5777] | 7764 | [9717, 666]  | 10837 | [8455, 11820]  |
| 1619 | [2904, 2905] | 4692 | [7033, 2069] | 7765 | [9850, 6488] | 10838 | [9222, 4292]   |
| 1620 | [2906, 2907] | 4693 | [7034, 7035] | 7766 | [9851, 9852] | 10839 | [5173, 11821]  |
| 1621 | [2908, 2909] | 4694 | [7036, 2719] | 7767 | [6282, 6326] | 10840 | [3742, 8108]   |
| 1622 | [2910, 2911] | 4695 | [7037, 7038] | 7768 | [9853, 9854] | 10841 | [11223, 4500]  |
| 1623 | [2912, 2428] | 4696 | [7039, 7040] | 7769 | [9855, 9856] | 10842 | [1157, 9015]   |
| 1624 | [2913, 822]  | 4697 | [2585, 2084] | 7770 | [9857, 5807] | 10843 | [1087, 7619]   |
| 1625 | [2914, 2847] | 4698 | [7041, 5553] | 7771 | [9858, 2726] | 10844 | [4261, 11822]  |
| 1626 | [2915, 2916] | 4699 | [148, 43]    | 7772 | [6984, 9859] | 10845 | [11168, 1178]  |
| 1627 | [2917, 2918] | 4700 | [5893, 7042] | 7773 | [9860, 5615] | 10846 | [304, 8835]    |
| 1628 | [2371, 620]  | 4701 | [7043, 2062] | 7774 | [9861, 2178] | 10847 | [5197, 3290]   |
| 1629 | [552, 2919]  | 4702 | [7044, 2297] | 7775 | [2789, 2631] | 10848 | [1442, 11823]  |
| 1630 | [2920, 2921] | 4703 | [7045, 7046] | 7776 | [823, 1972]  | 10849 | [1421, 11824]  |
| 1631 | [2922, 221]  | 4704 | [6257, 6992] | 7777 | [9862, 9863] | 10850 | [4277, 3751]   |
| 1632 | [550, 2316]  | 4705 | [7047, 7048] | 7778 | [9864, 5664] | 10851 | [7997, 11825]  |
| 1633 | [638, 243]   | 4706 | [7049, 7023] | 7779 | [9865, 6032] | 10852 | [8759, 8605]   |
| 1634 | [2923, 2924] | 4707 | [5598, 1954] | 7780 | [9866, 9867] | 10853 | [4473, 11826]  |
| 1635 | [2925, 2926] | 4708 | [3054, 7050] | 7781 | [9868, 7063] | 10854 | [9109, 11827]  |
| 1636 | [2927, 2928] | 4709 | [7051, 6189] | 7782 | [9869, 9870] | 10855 | [4979, 11828]  |
| 1637 | [2929, 2930] | 4710 | [3043, 5446] | 7783 | [9871, 9872] | 10856 | [9476, 8661]   |
| 1638 | [2931, 2932] | 4711 | [7052, 7053] | 7784 | [6342, 5369] | 10857 | [5163, 11829]  |
| 1639 | [2933, 1848] | 4712 | [5286, 7054] | 7785 | [9873, 9874] | 10858 | [25, 11830]    |
| 1640 | [2934, 582]  | 4713 | [5755, 2793] | 7786 | [6144, 9875] | 10859 | [9348, 123]    |
| 1641 | [2935, 2936] | 4714 | [2755, 7055] | 7787 | [9750, 2978] | 10860 | [335, 8985]    |
| 1642 | [2937, 2938] | 4715 | [596, 5296]  | 7788 | [9876, 5896] | 10861 | [8475, 11831]  |
| 1643 | [671, 2939]  | 4716 | [7056, 2766] | 7789 | [9877, 7424] | 10862 | [7934, 11832]  |
| 1644 | [2940, 2941] | 4717 | [5414, 6088] | 7790 | [9878, 7478] | 10863 | [7564, 4792]   |
| 1645 | [2942, 2943] | 4718 | [7057, 6484] | 7791 | [1863, 9879] | 10864 | [8249, 8314]   |
| 1646 | [2944, 2752] | 4719 | [5994, 3131] | 7792 | [5863, 5796] | 10865 | [8105, 3613]   |
| 1647 | [2945, 2946] | 4720 | [7058, 7059] | 7793 | [9880, 5829] | 10866 | [5074, 8040]   |
| 1648 | [910, 2865]  | 4721 | [7060, 7061] | 7794 | [9881, 9882] | 10867 | [11833, 4295]  |
| 1649 | [2947, 2948] | 4722 | [7062, 6628] | 7795 | [2165, 9883] | 10868 | [11834, 3525]  |
| 1650 | [2949, 2950] | 4723 | [7063, 2404] | 7796 | [9884, 1928] | 10869 | [11835, 5132]  |
| 1651 | [2951, 2353] | 4724 | [7064, 191]  | 7797 | [9885, 156]  | 10870 | [4064, 1203]   |
| 1652 | [32, 2952]   | 4725 | [7065, 7066] | 7798 | [9886, 6690] | 10871 | [11806, 3713]  |
| 1653 | [2953, 2954] | 4726 | [7067, 7068] | 7799 | [9887, 7295] | 10872 | [11836, 1470]  |
| 1654 | [2955, 2956] | 4727 | [7069, 7070] | 7800 | [9888, 7507] | 10873 | [3830, 1147]   |
| 1655 | [2957, 2958] | 4728 | [7071, 5996] | 7801 | [7479, 747]  | 10874 | [9575, 11490]  |
| 1656 | [2959, 2045] | 4729 | [7072, 7073] | 7802 | [9648, 9889] | 10875 | [8086, 3810]   |
| 1657 | [2960, 2961] | 4730 | [7074, 3108] | 7803 | [9890, 3141] | 10876 | [11592, 11837] |
| 1658 | [2962, 2462] | 4731 | [7075, 7076] | 7804 | [9891, 5785] | 10877 | [11529, 4583]  |
| 1659 | [2963, 2964] | 4732 | [5671, 7077] | 7805 | [9892, 9893] | 10878 | [4344, 4783]   |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1660 | [2965, 2531] | 4733 | [7078, 5580] | 7806 | [7271, 9894] | 10879 | [4406, 8767]   |
| 1661 | [2966, 2967] | 4734 | [6675, 7079] | 7807 | [9886, 9895] | 10880 | [11838, 11839] |
| 1662 | [2968, 2969] | 4735 | [7080, 7081] | 7808 | [9896, 9897] | 10881 | [8063, 9117]   |
| 1663 | [2970, 2971] | 4736 | [2283, 7082] | 7809 | [619, 9898]  | 10882 | [7795, 8081]   |
| 1664 | [2972, 2973] | 4737 | [7083, 2323] | 7810 | [1924, 5707] | 10883 | [8284, 1487]   |
| 1665 | [2974, 2975] | 4738 | [1834, 7084] | 7811 | [9899, 9857] | 10884 | [8399, 11840]  |
| 1666 | [2976, 2977] | 4739 | [7085, 6111] | 7812 | [9900, 6197] | 10885 | [11587, 9288]  |
| 1667 | [2978, 2979] | 4740 | [5962, 6107] | 7813 | [9901, 9902] | 10886 | [1618, 1183]   |
| 1668 | [2980, 889]  | 4741 | [7086, 959]  | 7814 | [5464, 2071] | 10887 | [3831, 5071]   |
| 1669 | [791, 2877]  | 4742 | [7087, 7088] | 7815 | [9903, 5563] | 10888 | [11841, 8180]  |
| 1670 | [2981, 2982] | 4743 | [7089, 5668] | 7816 | [9904, 9751] | 10889 | [9115, 9573]   |
| 1671 | [2983, 2984] | 4744 | [2612, 2105] | 7817 | [9905, 9906] | 10890 | [11275, 1534]  |
| 1672 | [2985, 2986] | 4745 | [5291, 7090] | 7818 | [6164, 6090] | 10891 | [11524, 7839]  |
| 1673 | [1984, 2773] | 4746 | [7091, 7092] | 7819 | [9907, 7282] | 10892 | [11842, 3372]  |
| 1674 | [680, 2987]  | 4747 | [5353, 7093] | 7820 | [6618, 7179] | 10893 | [3687, 3865]   |
| 1675 | [2988, 2989] | 4748 | [2562, 7094] | 7821 | [2061, 1835] | 10894 | [11171, 1545]  |
| 1676 | [2990, 2991] | 4749 | [7095, 6321] | 7822 | [1841, 5566] | 10895 | [9313, 11843]  |
| 1677 | [2992, 2993] | 4750 | [7096, 2988] | 7823 | [9908, 6582] | 10896 | [9486, 1105]   |
| 1678 | [516, 2994]  | 4751 | [7097, 5302] | 7824 | [9909, 9910] | 10897 | [9001, 8525]   |
| 1679 | [2995, 2996] | 4752 | [8, 7098]    | 7825 | [9911, 2641] | 10898 | [9422, 11844]  |
| 1680 | [2997, 2889] | 4753 | [7099, 6768] | 7826 | [6767, 9912] | 10899 | [4142, 9344]   |
| 1681 | [794, 2050]  | 4754 | [7100, 5470] | 7827 | [9913, 2052] | 10900 | [11845, 11281] |
| 1682 | [2622, 2998] | 4755 | [6326, 7101] | 7828 | [2469, 6010] | 10901 | [1261, 11846]  |
| 1683 | [2999, 3000] | 4756 | [7102, 576]  | 7829 | [6613, 9914] | 10902 | [5066, 1708]   |
| 1684 | [3001, 3002] | 4757 | [6971, 1870] | 7830 | [9915, 9916] | 10903 | [9004, 270]    |
| 1685 | [3003, 2222] | 4758 | [5839, 7103] | 7831 | [9917, 887]  | 10904 | [3601, 3621]   |
| 1686 | [3004, 3005] | 4759 | [6195, 2520] | 7832 | [9918, 7250] | 10905 | [4072, 11847]  |
| 1687 | [2309, 2294] | 4760 | [7104, 5256] | 7833 | [9919, 911]  | 10906 | [11643, 8811]  |
| 1688 | [3006, 2046] | 4761 | [7105, 7106] | 7834 | [9920, 9921] | 10907 | [3520, 11848]  |
| 1689 | [3007, 2858] | 4762 | [7107, 7108] | 7835 | [9922, 6277] | 10908 | [11624, 7987]  |
| 1690 | [2618, 2789] | 4763 | [7109, 2712] | 7836 | [7417, 5361] | 10909 | [7724, 11529]  |
| 1691 | [2620, 781]  | 4764 | [7110, 2963] | 7837 | [829, 2915]  | 10910 | [7663, 3263]   |
| 1692 | [3008, 658]  | 4765 | [5941, 7111] | 7838 | [9838, 5357] | 10911 | [11849, 8240]  |
| 1693 | [2690, 3009] | 4766 | [7112, 7113] | 7839 | [9923, 9924] | 10912 | [8269, 11850]  |
| 1694 | [3010, 3011] | 4767 | [7114, 6906] | 7840 | [9925, 5690] | 10913 | [3348, 3225]   |
| 1695 | [3012, 3013] | 4768 | [7115, 7116] | 7841 | [9926, 6092] | 10914 | [11851, 11852] |
| 1696 | [3014, 3015] | 4769 | [6350, 7117] | 7842 | [9927, 9928] | 10915 | [11695, 11853] |
| 1697 | [3016, 3017] | 4770 | [7118, 6543] | 7843 | [9929, 2493] | 10916 | [11535, 4760]  |
| 1698 | [3018, 2891] | 4771 | [7119, 6560] | 7844 | [2725, 5593] | 10917 | [11854, 5084]  |
| 1699 | [2747, 3019] | 4772 | [2348, 7120] | 7845 | [9930, 9931] | 10918 | [11855, 1220]  |
| 1700 | [3020, 3021] | 4773 | [7085, 7121] | 7846 | [9932, 2934] | 10919 | [4746, 11856]  |
| 1701 | [2841, 3022] | 4774 | [7122, 7123] | 7847 | [9809, 2286] | 10920 | [11857, 11858] |
| 1702 | [3011, 1975] | 4775 | [7124, 2929] | 7848 | [9933, 2231] | 10921 | [9137, 7886]   |
| 1703 | [3023, 3024] | 4776 | [2505, 6925] | 7849 | [7203, 6271] | 10922 | [5161, 4458]   |

|      |              |      |              |      |              |       |                |
|------|--------------|------|--------------|------|--------------|-------|----------------|
| 1704 | [3025, 3026] | 4777 | [7125, 2612] | 7850 | [9934, 832]  | 10923 | [4897, 11180]  |
| 1705 | [214, 3027]  | 4778 | [5849, 7126] | 7851 | [1940, 9935] | 10924 | [9001, 1089]   |
| 1706 | [3028, 62]   | 4779 | [7127, 224]  | 7852 | [5775, 2971] | 10925 | [8361, 9208]   |
| 1707 | [3029, 3030] | 4780 | [7128, 188]  | 7853 | [9936, 9937] | 10926 | [8804, 11859]  |
| 1708 | [2746, 3031] | 4781 | [7129, 5684] | 7854 | [5231, 2620] | 10927 | [11860, 1144]  |
| 1709 | [3032, 3033] | 4782 | [7130, 551]  | 7855 | [9938, 7081] | 10928 | [379, 3365]    |
| 1710 | [705, 3034]  | 4783 | [820, 2090]  | 7856 | [9939, 9940] | 10929 | [1413, 11861]  |
| 1711 | [630, 3035]  | 4784 | [6951, 501]  | 7857 | [9941, 9942] | 10930 | [8858, 3210]   |
| 1712 | [808, 3036]  | 4785 | [2404, 7131] | 7858 | [6944, 9943] | 10931 | [7570, 4873]   |
| 1713 | [3037, 3038] | 4786 | [7132, 6298] | 7859 | [9860, 6714] | 10932 | [3803, 11236]  |
| 1714 | [3039, 2482] | 4787 | [7133, 7134] | 7860 | [9944, 2974] | 10933 | [4172, 5060]   |
| 1715 | [3040, 3041] | 4788 | [7135, 2438] | 7861 | [7380, 7212] | 10934 | [11780, 4189]  |
| 1716 | [3042, 3043] | 4789 | [6988, 139]  | 7862 | [6339, 6927] | 10935 | [11677, 11862] |
| 1717 | [3044, 3045] | 4790 | [7136, 5590] | 7863 | [839, 9945]  | 10936 | [1299, 5079]   |
| 1718 | [3046, 2802] | 4791 | [2361, 6269] | 7864 | [9946, 769]  | 10937 | [11863, 3361]  |
| 1719 | [3047, 3048] | 4792 | [2586, 2453] | 7865 | [2153, 9947] | 10938 | [11836, 3275]  |
| 1720 | [3049, 3050] | 4793 | [7137, 2896] | 7866 | [9948, 9949] | 10939 | [3818, 11864]  |
| 1721 | [3051, 3052] | 4794 | [7138, 6559] | 7867 | [2025, 6383] | 10940 | [11632, 3999]  |
| 1722 | [3053, 3054] | 4795 | [5654, 7139] | 7868 | [9950, 6537] | 10941 | [11230, 1322]  |
| 1723 | [3055, 3056] | 4796 | [7140, 7141] | 7869 | [6842, 5322] | 10942 | [11849, 7998]  |
| 1724 | [3057, 3058] | 4797 | [5212, 785]  | 7870 | [6844, 2649] | 10943 | [3757, 4513]   |
| 1725 | [2701, 2909] | 4798 | [2345, 1989] | 7871 | [9951, 2656] | 10944 | [390, 11865]   |
| 1726 | [3059, 3060] | 4799 | [7142, 6863] | 7872 | [6840, 1934] | 10945 | [9125, 4259]   |
| 1727 | [3061, 726]  | 4800 | [6147, 7143] | 7873 | [6842, 760]  | 10946 | [4553, 11866]  |
| 1728 | [2467, 3062] | 4801 | [6863, 5885] | 7874 | [9952, 9953] | 10947 | [9085, 1622]   |
| 1729 | [2730, 3063] | 4802 | [7144, 7145] | 7875 | [5292, 2556] | 10948 | [8138, 11867]  |
| 1730 | [3064, 3065] | 4803 | [2122, 134]  | 7876 | [9954, 9955] | 10949 | [11379, 1056]  |
| 1731 | [3066, 3067] | 4804 | [6770, 7146] | 7877 | [9956, 3195] | 10950 | [11454, 11868] |
| 1732 | [3068, 3069] | 4805 | [7147, 7148] | 7878 | [9957, 2667] | 10951 | [8771, 11869]  |
| 1733 | [3070, 3071] | 4806 | [7149, 6384] | 7879 | [7341, 2801] | 10952 | [4439, 11397]  |
| 1734 | [3072, 3073] | 4807 | [7150, 6833] | 7880 | [2039, 9958] | 10953 | [4003, 11870]  |
| 1735 | [2006, 3074] | 4808 | [7151, 7152] | 7881 | [147, 3078]  | 10954 | [11871, 8759]  |
| 1736 | [851, 3075]  | 4809 | [5464, 7153] | 7882 | [9959, 9960] | 10955 | [8695, 5006]   |
| 1737 | [3076, 3077] | 4810 | [6290, 1982] | 7883 | [7291, 1885] | 10956 | [11872, 3837]  |
| 1738 | [3078, 3079] | 4811 | [7154, 7155] | 7884 | [6200, 9961] | 10957 | [3467, 4174]   |
| 1739 | [3080, 3081] | 4812 | [7156, 5265] | 7885 | [6937, 9962] | 10958 | [9284, 11873]  |
| 1740 | [3082, 815]  | 4813 | [2535, 7157] | 7886 | [7061, 7270] | 10959 | [113, 11874]   |
| 1741 | [3083, 2676] | 4814 | [6869, 7158] | 7887 | [6756, 9963] | 10960 | [11875, 11876] |
| 1742 | [3084, 655]  | 4815 | [2094, 7159] | 7888 | [9964, 9965] | 10961 | [11712, 11877] |
| 1743 | [2969, 3085] | 4816 | [7160, 7161] | 7889 | [9966, 2794] | 10962 | [1413, 8614]   |
| 1744 | [3086, 3087] | 4817 | [7081, 6257] | 7890 | [9967, 5708] | 10963 | [3826, 110]    |
| 1745 | [3088, 1971] | 4818 | [5922, 519]  | 7891 | [2088, 5629] | 10964 | [9549, 11878]  |
| 1746 | [2138, 3089] | 4819 | [5294, 7162] | 7892 | [9968, 190]  | 10965 | [9268, 1181]   |
| 1747 | [3090, 3091] | 4820 | [607, 7163]  | 7893 | [9969, 2309] | 10966 | [11367, 1160]  |

|      |              |      |              |      |               |       |                |
|------|--------------|------|--------------|------|---------------|-------|----------------|
| 1748 | [3092, 622]  | 4821 | [3087, 2442] | 7894 | [9970, 3007]  | 10967 | [5184, 1768]   |
| 1749 | [3093, 3094] | 4822 | [2264, 7118] | 7895 | [9971, 9972]  | 10968 | [5126, 8655]   |
| 1750 | [3095, 3096] | 4823 | [2453, 7164] | 7896 | [7471, 9973]  | 10969 | [3801, 9057]   |
| 1751 | [3097, 3098] | 4824 | [7165, 7166] | 7897 | [6300, 2371]  | 10970 | [3905, 3401]   |
| 1752 | [3099, 3100] | 4825 | [7167, 7168] | 7898 | [9974, 2874]  | 10971 | [3779, 1234]   |
| 1753 | [3101, 3102] | 4826 | [1883, 2807] | 7899 | [2698, 3094]  | 10972 | [8795, 7601]   |
| 1754 | [3103, 3104] | 4827 | [5807, 534]  | 7900 | [9975, 5822]  | 10973 | [7664, 11879]  |
| 1755 | [3105, 3106] | 4828 | [6176, 2623] | 7901 | [5373, 9976]  | 10974 | [11618, 8435]  |
| 1756 | [2500, 3107] | 4829 | [7169, 6054] | 7902 | [9977, 6649]  | 10975 | [8873, 4815]   |
| 1757 | [3108, 2508] | 4830 | [1824, 6980] | 7903 | [6189, 5519]  | 10976 | [9327, 5191]   |
| 1758 | [3109, 809]  | 4831 | [7100, 1881] | 7904 | [2997, 2693]  | 10977 | [255, 11880]   |
| 1759 | [3110, 2780] | 4832 | [7170, 7171] | 7905 | [6451, 5581]  | 10978 | [1033, 4438]   |
| 1760 | [3111, 3112] | 4833 | [2638, 2692] | 7906 | [9978, 9979]  | 10979 | [1385, 3363]   |
| 1761 | [3113, 3114] | 4834 | [7172, 7173] | 7907 | [9980, 9981]  | 10980 | [3217, 1437]   |
| 1762 | [3115, 3116] | 4835 | [7174, 7175] | 7908 | [580, 639]    | 10981 | [8148, 11881]  |
| 1763 | [3117, 3118] | 4836 | [7139, 6657] | 7909 | [9982, 1872]  | 10982 | [11882, 11883] |
| 1764 | [3119, 1841] | 4837 | [7176, 5889] | 7910 | [1872, 9983]  | 10983 | [11855, 9600]  |
| 1765 | [3120, 3121] | 4838 | [6235, 522]  | 7911 | [6790, 7109]  | 10984 | [3895, 8043]   |
| 1766 | [3122, 3123] | 4839 | [7177, 7178] | 7912 | [1962, 7085]  | 10985 | [1380, 8682]   |
| 1767 | [3124, 2668] | 4840 | [7179, 7180] | 7913 | [6203, 5465]  | 10986 | [9507, 1168]   |
| 1768 | [3125, 3126] | 4841 | [7181, 2043] | 7914 | [9984, 895]   | 10987 | [11884, 1133]  |
| 1769 | [3127, 3128] | 4842 | [7182, 7183] | 7915 | [2000, 2115]  | 10988 | [8464, 4224]   |
| 1770 | [3129, 3130] | 4843 | [1845, 7184] | 7916 | [9985, 2901]  | 10989 | [11885, 4798]  |
| 1771 | [3131, 3132] | 4844 | [6979, 936]  | 7917 | [5681, 5290]  | 10990 | [11791, 11886] |
| 1772 | [3133, 958]  | 4845 | [7185, 7186] | 7918 | [9986, 6267]  | 10991 | [11425, 1640]  |
| 1773 | [3134, 3135] | 4846 | [7187, 7188] | 7919 | [9987, 5631]  | 10992 | [8508, 8784]   |
| 1774 | [3136, 3043] | 4847 | [7189, 7190] | 7920 | [2520, 5625]  | 10993 | [3552, 1281]   |
| 1775 | [3137, 3138] | 4848 | [6073, 7191] | 7921 | [2799, 2745]  | 10994 | [4671, 8299]   |
| 1776 | [3139, 3140] | 4849 | [7192, 2284] | 7922 | [9988, 9989]  | 10995 | [3882, 1414]   |
| 1777 | [3141, 3142] | 4850 | [7193, 1880] | 7923 | [2814, 5502]  | 10996 | [7756, 4659]   |
| 1778 | [2918, 2755] | 4851 | [7194, 7195] | 7924 | [9785, 9990]  | 10997 | [1694, 1701]   |
| 1779 | [3143, 3144] | 4852 | [7196, 7197] | 7925 | [2565, 2969]  | 10998 | [1586, 4340]   |
| 1780 | [3145, 3146] | 4853 | [540, 7198]  | 7926 | [589, 9991]   | 10999 | [1177, 8444]   |
| 1781 | [3000, 3147] | 4854 | [2077, 7199] | 7927 | [816, 7222]   | 11000 | [9611, 1790]   |
| 1782 | [3148, 3149] | 4855 | [2855, 2470] | 7928 | [9992, 6552]  | 11001 | [11887, 11888] |
| 1783 | [2300, 3150] | 4856 | [7200, 2424] | 7929 | [9993, 9994]  | 11002 | [11889, 9466]  |
| 1784 | [3151, 3152] | 4857 | [6231, 6379] | 7930 | [9995, 2212]  | 11003 | [4727, 8848]   |
| 1785 | [3153, 3154] | 4858 | [7201, 5543] | 7931 | [43, 9996]    | 11004 | [11890, 1327]  |
| 1786 | [2368, 3155] | 4859 | [7202, 6707] | 7932 | [2825, 789]   | 11005 | [5003, 8447]   |
| 1787 | [3156, 3157] | 4860 | [2863, 7203] | 7933 | [9997, 1890]  | 11006 | [7959, 7543]   |
| 1788 | [3158, 3159] | 4861 | [5351, 5890] | 7934 | [9998, 9999]  | 11007 | [9080, 11891]  |
| 1789 | [3160, 946]  | 4862 | [2013, 7204] | 7935 | [5737, 5270]  | 11008 | [11857, 4036]  |
| 1790 | [3161, 3162] | 4863 | [5308, 852]  | 7936 | [10000, 6995] | 11009 | [1255, 8324]   |
| 1791 | [3163, 3164] | 4864 | [7205, 7206] | 7937 | [10001, 7037] | 11010 | [11892, 1409]  |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 1792 | [3165, 3109] | 4865 | [5602, 6895] | 7938 | [5969, 2784]   | 11011 | [11893, 11894] |
| 1793 | [3166, 510]  | 4866 | [7207, 7208] | 7939 | [5971, 2221]   | 11012 | [11709, 5013]  |
| 1794 | [3167, 2028] | 4867 | [2999, 5623] | 7940 | [6564, 7051]   | 11013 | [9341, 3505]   |
| 1795 | [3168, 3169] | 4868 | [2648, 825]  | 7941 | [10002, 7195]  | 11014 | [8930, 4786]   |
| 1796 | [3170, 2744] | 4869 | [2234, 6043] | 7942 | [2175, 7163]   | 11015 | [3474, 9551]   |
| 1797 | [3171, 3172] | 4870 | [7079, 5557] | 7943 | [10003, 2742]  | 11016 | [8786, 11895]  |
| 1798 | [3173, 3174] | 4871 | [7209, 5231] | 7944 | [10004, 2626]  | 11017 | [8780, 9001]   |
| 1799 | [3175, 3176] | 4872 | [7210, 6591] | 7945 | [5720, 10005]  | 11018 | [9423, 11896]  |
| 1800 | [2680, 862]  | 4873 | [1951, 7211] | 7946 | [5503, 6959]   | 11019 | [1595, 3343]   |
| 1801 | [3177, 3178] | 4874 | [7212, 5743] | 7947 | [5628, 5774]   | 11020 | [11720, 430]   |
| 1802 | [2432, 211]  | 4875 | [2873, 7213] | 7948 | [6757, 10006]  | 11021 | [1669, 4322]   |
| 1803 | [3179, 3180] | 4876 | [7214, 6431] | 7949 | [10007, 2534]  | 11022 | [9302, 1385]   |
| 1804 | [3181, 3182] | 4877 | [7215, 615]  | 7950 | [9865, 10008]  | 11023 | [9179, 11897]  |
| 1805 | [3183, 2237] | 4878 | [7027, 2904] | 7951 | [9990, 5575]   | 11024 | [71, 365]      |
| 1806 | [3184, 815]  | 4879 | [7216, 1903] | 7952 | [10009, 5877]  | 11025 | [9006, 3815]   |
| 1807 | [3185, 3186] | 4880 | [944, 6099]  | 7953 | [6003, 2022]   | 11026 | [1204, 1664]   |
| 1808 | [2717, 3187] | 4881 | [7217, 7218] | 7954 | [10010, 5965]  | 11027 | [11569, 3331]  |
| 1809 | [3188, 3189] | 4882 | [3104, 2610] | 7955 | [2791, 2942]   | 11028 | [4282, 11898]  |
| 1810 | [502, 731]   | 4883 | [7219, 7220] | 7956 | [6712, 5582]   | 11029 | [3218, 1682]   |
| 1811 | [3190, 3045] | 4884 | [7221, 7222] | 7957 | [6930, 9914]   | 11030 | [1080, 3245]   |
| 1812 | [2463, 3191] | 4885 | [852, 7223]  | 7958 | [5618, 10011]  | 11031 | [7863, 1155]   |
| 1813 | [591, 2949]  | 4886 | [7224, 767]  | 7959 | [6526, 9976]   | 11032 | [4165, 5045]   |
| 1814 | [649, 3192]  | 4887 | [7225, 7226] | 7960 | [10012, 10013] | 11033 | [1529, 4945]   |
| 1815 | [651, 3017]  | 4888 | [2308, 935]  | 7961 | [6086, 10014]  | 11034 | [7553, 5049]   |
| 1816 | [3193, 3194] | 4889 | [7227, 7228] | 7962 | [2287, 7027]   | 11035 | [7834, 11350]  |
| 1817 | [3195, 578]  | 4890 | [7229, 772]  | 7963 | [6422, 3001]   | 11036 | [11675, 9080]  |
| 1818 | [3196, 3197] | 4891 | [6360, 5600] | 7964 | [10015, 2589]  | 11037 | [11671, 11899] |
| 1819 | [3198, 3199] | 4892 | [2207, 7230] | 7965 | [10016, 10017] | 11038 | [9584, 3744]   |
| 1820 | [2043, 3073] | 4893 | [958, 6304]  | 7966 | [6942, 2304]   | 11039 | [9224, 8568]   |
| 1821 | [3200, 3201] | 4894 | [7010, 3056] | 7967 | [7116, 7215]   | 11040 | [3827, 1157]   |
| 1822 | [3202, 3203] | 4895 | [7231, 7232] | 7968 | [2374, 7313]   | 11041 | [3523, 11900]  |
| 1823 | [3204, 3205] | 4896 | [2980, 6739] | 7969 | [10018, 624]   | 11042 | [1650, 8101]   |
| 1824 | [3206, 3207] | 4897 | [6827, 7233] | 7970 | [10019, 6613]  | 11043 | [11901, 9268]  |
| 1825 | [3208, 3209] | 4898 | [5398, 555]  | 7971 | [6187, 2120]   | 11044 | [8183, 7778]   |
| 1826 | [3210, 358]  | 4899 | [1982, 7234] | 7972 | [7445, 9788]   | 11045 | [11309, 7970]  |
| 1827 | [3211, 3212] | 4900 | [7235, 7236] | 7973 | [10020, 10021] | 11046 | [1105, 8304]   |
| 1828 | [3213, 3214] | 4901 | [2765, 2487] | 7974 | [7154, 3159]   | 11047 | [9295, 11209]  |
| 1829 | [3215, 3216] | 4902 | [7237, 606]  | 7975 | [10022, 10023] | 11048 | [11902, 9423]  |
| 1830 | [3217, 3218] | 4903 | [2320, 6886] | 7976 | [1968, 7044]   | 11049 | [9554, 11903]  |
| 1831 | [3219, 3220] | 4904 | [7238, 7239] | 7977 | [10024, 9858]  | 11050 | [4758, 11904]  |
| 1832 | [3221, 3222] | 4905 | [128, 773]   | 7978 | [5576, 154]    | 11051 | [8768, 9334]   |
| 1833 | [3223, 3224] | 4906 | [7240, 5714] | 7979 | [2852, 7139]   | 11052 | [7961, 4627]   |
| 1834 | [1571, 3225] | 4907 | [7241, 5602] | 7980 | [2214, 602]    | 11053 | [4155, 1092]   |
| 1835 | [3226, 3227] | 4908 | [7242, 7243] | 7981 | [585, 2177]    | 11054 | [11905, 11552] |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 1836 | [3228, 3229] | 4909 | [6671, 7244] | 7982 | [1987, 5327]   | 11055 | [8980, 11906]  |
| 1837 | [3230, 3231] | 4910 | [7245, 678]  | 7983 | [176, 7075]    | 11056 | [11566, 11206] |
| 1838 | [3232, 1145] | 4911 | [7246, 2904] | 7984 | [6278, 5343]   | 11057 | [1816, 9434]   |
| 1839 | [3233, 3234] | 4912 | [7247, 7248] | 7985 | [10025, 10026] | 11058 | [4206, 3308]   |
| 1840 | [292, 328]   | 4913 | [7249, 7250] | 7986 | [547, 6617]    | 11059 | [8708, 8254]   |
| 1841 | [3235, 3236] | 4914 | [7251, 5376] | 7987 | [6254, 1894]   | 11060 | [4066, 11907]  |
| 1842 | [3237, 3238] | 4915 | [6924, 7252] | 7988 | [5677, 10027]  | 11061 | [3919, 388]    |
| 1843 | [3239, 3240] | 4916 | [2901, 130]  | 7989 | [6643, 6191]   | 11062 | [11444, 11908] |
| 1844 | [3241, 3242] | 4917 | [7253, 7254] | 7990 | [2116, 10028]  | 11063 | [8741, 11231]  |
| 1845 | [3243, 3244] | 4918 | [2759, 6084] | 7991 | [6741, 5258]   | 11064 | [7815, 8122]   |
| 1846 | [3245, 3246] | 4919 | [7255, 7256] | 7992 | [5615, 10029]  | 11065 | [11623, 3822]  |
| 1847 | [3247, 3248] | 4920 | [6367, 3128] | 7993 | [2207, 5452]   | 11066 | [11301, 7655]  |
| 1848 | [68, 3249]   | 4921 | [525, 7257]  | 7994 | [10030, 9917]  | 11067 | [11565, 8338]  |
| 1849 | [3250, 3251] | 4922 | [7258, 231]  | 7995 | [10031, 2973]  | 11068 | [11179, 1289]  |
| 1850 | [3252, 3253] | 4923 | [7259, 6094] | 7996 | [6483, 10032]  | 11069 | [8023, 8373]   |
| 1851 | [3254, 3255] | 4924 | [7260, 7261] | 7997 | [10033, 10034] | 11070 | [3370, 4861]   |
| 1852 | [3256, 1411] | 4925 | [7262, 5674] | 7998 | [10035, 5619]  | 11071 | [3472, 11909]  |
| 1853 | [3257, 3258] | 4926 | [5736, 7263] | 7999 | [10036, 517]   | 11072 | [4720, 9507]   |
| 1854 | [3259, 3260] | 4927 | [7264, 2368] | 8000 | [10037, 5531]  | 11073 | [9606, 8277]   |
| 1855 | [3261, 3262] | 4928 | [7265, 7266] | 8001 | [10038, 6155]  | 11074 | [9317, 999]    |
| 1856 | [3263, 1716] | 4929 | [6142, 775]  | 8002 | [10039, 5851]  | 11075 | [5124, 11910]  |
| 1857 | [3264, 3265] | 4930 | [5271, 7267] | 8003 | [10040, 10041] | 11076 | [3397, 11911]  |
| 1858 | [3266, 3267] | 4931 | [6563, 2005] | 8004 | [9977, 1860]   | 11077 | [11745, 9379]  |
| 1859 | [3268, 3269] | 4932 | [7268, 7269] | 8005 | [10042, 10043] | 11078 | [9478, 7703]   |
| 1860 | [3270, 3271] | 4933 | [512, 7270]  | 8006 | [10044, 5535]  | 11079 | [3704, 3380]   |
| 1861 | [3272, 3273] | 4934 | [7271, 7272] | 8007 | [10045, 5539]  | 11080 | [7615, 3339]   |
| 1862 | [3274, 3275] | 4935 | [6282, 6644] | 8008 | [10046, 10047] | 11081 | [5025, 8321]   |
| 1863 | [3276, 3277] | 4936 | [7273, 7274] | 8009 | [2425, 693]    | 11082 | [11636, 11912] |
| 1864 | [119, 3278]  | 4937 | [7275, 2540] | 8010 | [10048, 10049] | 11083 | [4147, 3620]   |
| 1865 | [3279, 3280] | 4938 | [7276, 5225] | 8011 | [6927, 6226]   | 11084 | [7585, 8055]   |
| 1866 | [3281, 3282] | 4939 | [7277, 2411] | 8012 | [2577, 2585]   | 11085 | [11557, 8551]  |
| 1867 | [3283, 3284] | 4940 | [7278, 7279] | 8013 | [10050, 10051] | 11086 | [7709, 3733]   |
| 1868 | [3285, 3286] | 4941 | [7220, 6428] | 8014 | [10052, 6801]  | 11087 | [4683, 3282]   |
| 1869 | [3287, 3288] | 4942 | [2302, 5950] | 8015 | [10053, 6298]  | 11088 | [8257, 11913]  |
| 1870 | [3289, 3290] | 4943 | [7280, 7281] | 8016 | [10054, 3052]  | 11089 | [9532, 335]    |
| 1871 | [3291, 3292] | 4944 | [7282, 6781] | 8017 | [10055, 2579]  | 11090 | [4426, 11914]  |
| 1872 | [3293, 3294] | 4945 | [7283, 6615] | 8018 | [10056, 6759]  | 11091 | [1040, 1712]   |
| 1873 | [3295, 3296] | 4946 | [7284, 2923] | 8019 | [5282, 9844]   | 11092 | [1204, 3989]   |
| 1874 | [3297, 3298] | 4947 | [7285, 5770] | 8020 | [10057, 917]   | 11093 | [4108, 3521]   |
| 1875 | [3299, 3300] | 4948 | [7286, 7287] | 8021 | [6238, 10058]  | 11094 | [3862, 8983]   |
| 1876 | [3301, 3302] | 4949 | [7288, 7289] | 8022 | [7501, 31]     | 11095 | [1766, 1190]   |
| 1877 | [3303, 3304] | 4950 | [140, 2193]  | 8023 | [10059, 5599]  | 11096 | [7810, 11915]  |
| 1878 | [3305, 3306] | 4951 | [5542, 7290] | 8024 | [10060, 5272]  | 11097 | [8588, 1459]   |
| 1879 | [3307, 3308] | 4952 | [2331, 6946] | 8025 | [10061, 10062] | 11098 | [8436, 3915]   |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 1880 | [3309, 3310] | 4953 | [2346, 7291] | 8026 | [742, 3153]    | 11099 | [11496, 8949]  |
| 1881 | [3311, 3312] | 4954 | [7292, 7293] | 8027 | [6538, 2394]   | 11100 | [1188, 1117]   |
| 1882 | [3313, 3314] | 4955 | [7294, 6919] | 8028 | [10063, 10064] | 11101 | [11882, 4325]  |
| 1883 | [3315, 3316] | 4956 | [7295, 6324] | 8029 | [10065, 10066] | 11102 | [5112, 11916]  |
| 1884 | [3317, 3318] | 4957 | [7296, 1860] | 8030 | [10067, 2951]  | 11103 | [8746, 11917]  |
| 1885 | [341, 3319]  | 4958 | [7297, 5306] | 8031 | [10068, 10069] | 11104 | [1474, 1504]   |
| 1886 | [3320, 3321] | 4959 | [939, 7298]  | 8032 | [10070, 6641]  | 11105 | [11180, 4187]  |
| 1887 | [3322, 3323] | 4960 | [7299, 2486] | 8033 | [10071, 5482]  | 11106 | [4665, 11918]  |
| 1888 | [3324, 3325] | 4961 | [7194, 7300] | 8034 | [6515, 10072]  | 11107 | [11650, 11919] |
| 1889 | [3326, 1357] | 4962 | [5345, 7301] | 8035 | [10073, 6876]  | 11108 | [8716, 11920]  |
| 1890 | [3327, 3328] | 4963 | [6604, 2573] | 8036 | [2287, 7246]   | 11109 | [11357, 11834] |
| 1891 | [306, 3329]  | 4964 | [6656, 2684] | 8037 | [7138, 10074]  | 11110 | [11797, 4715]  |
| 1892 | [3330, 3331] | 4965 | [7302, 766]  | 8038 | [10075, 5335]  | 11111 | [8670, 1407]   |
| 1893 | [3332, 342]  | 4966 | [5863, 6274] | 8039 | [5437, 10076]  | 11112 | [11575, 5188]  |
| 1894 | [3333, 3334] | 4967 | [7303, 6752] | 8040 | [7442, 235]    | 11113 | [1382, 3304]   |
| 1895 | [3335, 3336] | 4968 | [7304, 7305] | 8041 | [10077, 10078] | 11114 | [11682, 3568]  |
| 1896 | [3337, 3338] | 4969 | [2466, 180]  | 8042 | [239, 7407]    | 11115 | [3716, 11921]  |
| 1897 | [3339, 3340] | 4970 | [6247, 2357] | 8043 | [5585, 876]    | 11116 | [9246, 4863]   |
| 1898 | [3341, 3342] | 4971 | [7306, 227]  | 8044 | [10079, 10080] | 11117 | [11808, 4939]  |
| 1899 | [3343, 3344] | 4972 | [5248, 2276] | 8045 | [5551, 593]    | 11118 | [3791, 11922]  |
| 1900 | [3345, 3346] | 4973 | [5247, 7307] | 8046 | [10081, 6734]  | 11119 | [11466, 11923] |
| 1901 | [3347, 3348] | 4974 | [2349, 1961] | 8047 | [10082, 2412]  | 11120 | [3897, 5034]   |
| 1902 | [3349, 1468] | 4975 | [7308, 762]  | 8048 | [6187, 5771]   | 11121 | [11247, 11924] |
| 1903 | [3350, 3351] | 4976 | [6619, 7180] | 8049 | [946, 10083]   | 11122 | [7864, 8135]   |
| 1904 | [392, 3352]  | 4977 | [5852, 812]  | 8050 | [10020, 2926]  | 11123 | [1035, 11925]  |
| 1905 | [3353, 3354] | 4978 | [7309, 7310] | 8051 | [7061, 10084]  | 11124 | [1517, 11926]  |
| 1906 | [3355, 3356] | 4979 | [7311, 6992] | 8052 | [6297, 5819]   | 11125 | [11773, 1427]  |
| 1907 | [3357, 3358] | 4980 | [6898, 2356] | 8053 | [5867, 10085]  | 11126 | [11927, 4249]  |
| 1908 | [3359, 1748] | 4981 | [7312, 6156] | 8054 | [2592, 6012]   | 11127 | [7692, 3838]   |
| 1909 | [3360, 3361] | 4982 | [7313, 2697] | 8055 | [6340, 6965]   | 11128 | [9525, 4970]   |
| 1910 | [3362, 3363] | 4983 | [7314, 7315] | 8056 | [10086, 5288]  | 11129 | [1191, 3730]   |
| 1911 | [3364, 3365] | 4984 | [7316, 6521] | 8057 | [2379, 10087]  | 11130 | [1435, 8126]   |
| 1912 | [3366, 3367] | 4985 | [580, 7317]  | 8058 | [510, 5772]    | 11131 | [9543, 3244]   |
| 1913 | [3368, 491]  | 4986 | [2369, 5698] | 8059 | [10088, 233]   | 11132 | [11458, 11928] |
| 1914 | [1137, 3369] | 4987 | [866, 7318]  | 8060 | [6318, 10089]  | 11133 | [11508, 7590]  |
| 1915 | [3370, 3266] | 4988 | [7319, 6339] | 8061 | [10090, 6083]  | 11134 | [4797, 9233]   |
| 1916 | [3371, 3250] | 4989 | [2541, 5455] | 8062 | [1836, 5334]   | 11135 | [8401, 4534]   |
| 1917 | [3372, 3373] | 4990 | [7320, 7321] | 8063 | [10091, 10092] | 11136 | [9024, 11929]  |
| 1918 | [3255, 3374] | 4991 | [2329, 2500] | 8064 | [10093, 2093]  | 11137 | [11738, 9466]  |
| 1919 | [3375, 3376] | 4992 | [778, 2496]  | 8065 | [7028, 10094]  | 11138 | [8508, 4233]   |
| 1920 | [3290, 3377] | 4993 | [2406, 7322] | 8066 | [894, 6308]    | 11139 | [8790, 1369]   |
| 1921 | [3378, 441]  | 4994 | [3177, 7198] | 8067 | [5880, 2443]   | 11140 | [11572, 3632]  |
| 1922 | [3379, 3380] | 4995 | [7323, 7324] | 8068 | [10095, 10096] | 11141 | [8445, 11930]  |
| 1923 | [72, 3381]   | 4996 | [1988, 5328] | 8069 | [9861, 5788]   | 11142 | [11472, 11931] |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 1924 | [3382, 3383] | 4997 | [7325, 7326] | 8070 | [6785, 10097]  | 11143 | [11604, 4455]  |
| 1925 | [1225, 3384] | 4998 | [834, 7327]  | 8071 | [3107, 10098]  | 11144 | [468, 8397]    |
| 1926 | [3385, 1139] | 4999 | [5682, 5572] | 8072 | [10053, 3095]  | 11145 | [7847, 3965]   |
| 1927 | [3386, 3387] | 5000 | [7328, 5833] | 8073 | [2470, 6011]   | 11146 | [3230, 7591]   |
| 1928 | [3388, 3389] | 5001 | [7329, 5942] | 8074 | [954, 10099]   | 11147 | [11765, 1180]  |
| 1929 | [3390, 436]  | 5002 | [7330, 5680] | 8075 | [10100, 5957]  | 11148 | [1188, 7890]   |
| 1930 | [3391, 3392] | 5003 | [602, 7331]  | 8076 | [9984, 5534]   | 11149 | [8036, 9309]   |
| 1931 | [3393, 3394] | 5004 | [7332, 7333] | 8077 | [10101, 9857]  | 11150 | [11932, 5132]  |
| 1932 | [3395, 3396] | 5005 | [6312, 3075] | 8078 | [6656, 184]    | 11151 | [7614, 11933]  |
| 1933 | [3397, 3398] | 5006 | [1953, 7092] | 8079 | [2922, 727]    | 11152 | [3276, 8340]   |
| 1934 | [3399, 3400] | 5007 | [2268, 6174] | 8080 | [10102, 10103] | 11153 | [4135, 11934]  |
| 1935 | [1720, 3401] | 5008 | [7334, 7335] | 8081 | [10104, 10105] | 11154 | [4312, 9640]   |
| 1936 | [3402, 3403] | 5009 | [7336, 7337] | 8082 | [9659, 10106]  | 11155 | [3807, 479]    |
| 1937 | [3404, 1103] | 5010 | [7338, 5755] | 8083 | [45, 10107]    | 11156 | [11892, 11935] |
| 1938 | [3405, 3406] | 5011 | [5914, 7339] | 8084 | [138, 671]     | 11157 | [4115, 11415]  |
| 1939 | [3407, 3408] | 5012 | [7340, 7341] | 8085 | [5557, 6050]   | 11158 | [4553, 3633]   |
| 1940 | [3409, 3410] | 5013 | [7342, 6081] | 8086 | [10108, 7306]  | 11159 | [11393, 11936] |
| 1941 | [3411, 3412] | 5014 | [7343, 7344] | 8087 | [10109, 10110] | 11160 | [11504, 4268]  |
| 1942 | [3413, 3414] | 5015 | [7345, 6363] | 8088 | [10111, 2472]  | 11161 | [9100, 3863]   |
| 1943 | [3415, 1054] | 5016 | [5714, 7346] | 8089 | [6430, 10112]  | 11162 | [4267, 66]     |
| 1944 | [3416, 1662] | 5017 | [6629, 7347] | 8090 | [235, 9718]    | 11163 | [11932, 9296]  |
| 1945 | [3417, 3418] | 5018 | [6345, 7348] | 8091 | [6517, 2979]   | 11164 | [5111, 4357]   |
| 1946 | [3419, 3420] | 5019 | [2658, 7349] | 8092 | [6255, 3107]   | 11165 | [11789, 11937] |
| 1947 | [1377, 3421] | 5020 | [6846, 6697] | 8093 | [242, 2032]    | 11166 | [7792, 3623]   |
| 1948 | [3422, 3423] | 5021 | [7350, 5718] | 8094 | [554, 2429]    | 11167 | [3442, 463]    |
| 1949 | [3424, 3425] | 5022 | [7351, 6806] | 8095 | [6626, 797]    | 11168 | [6139, 6693]   |
| 1950 | [3426, 3427] | 5023 | [6808, 6980] | 8096 | [10113, 10114] | 11169 | [3124, 11938]  |
| 1951 | [3428, 3429] | 5024 | [7352, 5536] | 8097 | [3153, 6490]   | 11170 | [1953, 7167]   |
| 1952 | [3430, 3431] | 5025 | [7353, 7354] | 8098 | [10115, 1883]  | 11171 | [2974, 7149]   |
| 1953 | [3432, 287]  | 5026 | [6608, 2632] | 8099 | [771, 2066]    | 11172 | [11143, 10141] |
| 1954 | [3433, 3434] | 5027 | [2788, 2630] | 8100 | [10116, 9805]  | 11173 | [11939, 11940] |
| 1955 | [3435, 3436] | 5028 | [7355, 6972] | 8101 | [9889, 2003]   | 11174 | [5663, 11941]  |
| 1956 | [3437, 3438] | 5029 | [2418, 5311] | 8102 | [10117, 10118] | 11175 | [6289, 5647]   |
| 1957 | [3439, 404]  | 5030 | [7356, 6191] | 8103 | [10119, 10120] | 11176 | [11942, 10991] |
| 1958 | [3440, 1498] | 5031 | [6657, 5805] | 8104 | [7013, 10031]  | 11177 | [10121, 7326]  |
| 1959 | [3441, 376]  | 5032 | [7357, 3030] | 8105 | [10121, 10122] | 11178 | [5371, 6115]   |
| 1960 | [1345, 3442] | 5033 | [7358, 735]  | 8106 | [10123, 2465]  | 11179 | [11943, 2387]  |
| 1961 | [3443, 3444] | 5034 | [5951, 2592] | 8107 | [10124, 10125] | 11180 | [11944, 11945] |
| 1962 | [3445, 3446] | 5035 | [7359, 5735] | 8108 | [10126, 784]   | 11181 | [10622, 788]   |
| 1963 | [1121, 3447] | 5036 | [7360, 5736] | 8109 | [10127, 10128] | 11182 | [10231, 10294] |
| 1964 | [3448, 3449] | 5037 | [2448, 7361] | 8110 | [1849, 7372]   | 11183 | [11946, 3166]  |
| 1965 | [3450, 3451] | 5038 | [7362, 7363] | 8111 | [10129, 1985]  | 11184 | [2442, 11947]  |
| 1966 | [3258, 288]  | 5039 | [7364, 132]  | 8112 | [10130, 10131] | 11185 | [10966, 598]   |
| 1967 | [3452, 3453] | 5040 | [7365, 7366] | 8113 | [5802, 9714]   | 11186 | [11948, 2975]  |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 1968 | [3454, 3455] | 5041 | [7367, 3117] | 8114 | [5789, 3133]   | 11187 | [11949, 5412]  |
| 1969 | [1736, 3456] | 5042 | [7368, 5510] | 8115 | [10132, 10133] | 11188 | [2169, 11950]  |
| 1970 | [3457, 3458] | 5043 | [7369, 7370] | 8116 | [5965, 2256]   | 11189 | [2267, 7435]   |
| 1971 | [3459, 3339] | 5044 | [5307, 5822] | 8117 | [10134, 9834]  | 11190 | [13, 11951]    |
| 1972 | [3460, 3461] | 5045 | [7371, 7372] | 8118 | [9785, 829]    | 11191 | [11952, 6157]  |
| 1973 | [3462, 102]  | 5046 | [7373, 6589] | 8119 | [1838, 5856]   | 11192 | [10505, 7035]  |
| 1974 | [3463, 3464] | 5047 | [5738, 7374] | 8120 | [5894, 10135]  | 11193 | [9807, 11953]  |
| 1975 | [3465, 3466] | 5048 | [5727, 7375] | 8121 | [150, 2735]    | 11194 | [708, 11004]   |
| 1976 | [3467, 3468] | 5049 | [3060, 3022] | 8122 | [5233, 3199]   | 11195 | [535, 496]     |
| 1977 | [3469, 3470] | 5050 | [5383, 7131] | 8123 | [10136, 10137] | 11196 | [11954, 11955] |
| 1978 | [3471, 3472] | 5051 | [7376, 7377] | 8124 | [7224, 10138]  | 11197 | [5655, 11956]  |
| 1979 | [3473, 3474] | 5052 | [7378, 7379] | 8125 | [2060, 10139]  | 11198 | [10515, 5396]  |
| 1980 | [3475, 3476] | 5053 | [2604, 7380] | 8126 | [10140, 10141] | 11199 | [6274, 11957]  |
| 1981 | [3477, 1722] | 5054 | [6919, 2259] | 8127 | [10142, 939]   | 11200 | [11958, 10213] |
| 1982 | [3478, 3252] | 5055 | [5249, 5691] | 8128 | [10143, 10144] | 11201 | [6779, 6578]   |
| 1983 | [3479, 3480] | 5056 | [573, 7381]  | 8129 | [10145, 2014]  | 11202 | [11959, 11960] |
| 1984 | [3481, 3482] | 5057 | [7382, 7320] | 8130 | [1899, 10146]  | 11203 | [11961, 6293]  |
| 1985 | [3466, 3483] | 5058 | [2806, 2702] | 8131 | [2832, 2952]   | 11204 | [151, 548]     |
| 1986 | [3484, 3485] | 5059 | [5591, 7383] | 8132 | [10147, 2846]  | 11205 | [11962, 7352]  |
| 1987 | [3288, 3486] | 5060 | [7384, 3187] | 8133 | [835, 10148]   | 11206 | [218, 700]     |
| 1988 | [3487, 309]  | 5061 | [7342, 7385] | 8134 | [7222, 6893]   | 11207 | [10344, 6532]  |
| 1989 | [3488, 3489] | 5062 | [7386, 7344] | 8135 | [2158, 6025]   | 11208 | [6328, 5843]   |
| 1990 | [3490, 3491] | 5063 | [7387, 7277] | 8136 | [10149, 6210]  | 11209 | [11963, 11964] |
| 1991 | [3492, 3493] | 5064 | [6116, 2100] | 8137 | [5710, 10150]  | 11210 | [10156, 6954]  |
| 1992 | [1272, 3494] | 5065 | [7388, 6602] | 8138 | [10151, 2269]  | 11211 | [10104, 11965] |
| 1993 | [3495, 3496] | 5066 | [5937, 708]  | 8139 | [10152, 10153] | 11212 | [5390, 657]    |
| 1994 | [3497, 1753] | 5067 | [7389, 5269] | 8140 | [5672, 6176]   | 11213 | [7210, 11966]  |
| 1995 | [3498, 3499] | 5068 | [7390, 7208] | 8141 | [10154, 10155] | 11214 | [10607, 9707]  |
| 1996 | [3500, 3501] | 5069 | [7142, 5884] | 8142 | [10156, 5397]  | 11215 | [5945, 11967]  |
| 1997 | [3502, 3503] | 5070 | [7391, 7392] | 8143 | [9680, 7098]   | 11216 | [11156, 695]   |
| 1998 | [3504, 1772] | 5071 | [7393, 7293] | 8144 | [10157, 10158] | 11217 | [880, 3164]    |
| 1999 | [3505, 3506] | 5072 | [7394, 2475] | 8145 | [2937, 7381]   | 11218 | [5897, 11968]  |
| 2000 | [3507, 3508] | 5073 | [7395, 7396] | 8146 | [1922, 10159]  | 11219 | [2064, 2067]   |
| 2001 | [3509, 3510] | 5074 | [7397, 5244] | 8147 | [5867, 5319]   | 11220 | [5604, 11969]  |
| 2002 | [3511, 3512] | 5075 | [7398, 7399] | 8148 | [10160, 2117]  | 11221 | [2848, 2379]   |
| 2003 | [3513, 3514] | 5076 | [7400, 955]  | 8149 | [7330, 10161]  | 11222 | [2638, 11970]  |
| 2004 | [3515, 1435] | 5077 | [7401, 5268] | 8150 | [10162, 9936]  | 11223 | [11971, 11972] |
| 2005 | [3516, 3517] | 5078 | [7402, 5277] | 8151 | [1844, 1897]   | 11224 | [2940, 3141]   |
| 2006 | [3518, 3519] | 5079 | [7403, 5951] | 8152 | [9792, 10163]  | 11225 | [2566, 11973]  |
| 2007 | [120, 3520]  | 5080 | [2526, 6066] | 8153 | [7223, 10164]  | 11226 | [5950, 5485]   |
| 2008 | [3521, 3522] | 5081 | [7404, 7405] | 8154 | [1881, 5471]   | 11227 | [10833, 10066] |
| 2009 | [3523, 3524] | 5082 | [7406, 2457] | 8155 | [10165, 10166] | 11228 | [11163, 2386]  |
| 2010 | [3525, 3526] | 5083 | [7407, 560]  | 8156 | [10167, 7048]  | 11229 | [587, 3028]    |
| 2011 | [3527, 3528] | 5084 | [7408, 2315] | 8157 | [6257, 6585]   | 11230 | [11974, 940]   |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2012 | [3529, 1314] | 5085 | [7409, 2318] | 8158 | [6873, 5438]   | 11231 | [11975, 10556] |
| 2013 | [3530, 3531] | 5086 | [700, 7410]  | 8159 | [912, 5836]    | 11232 | [11065, 6679]  |
| 2014 | [3532, 3533] | 5087 | [7411, 7412] | 8160 | [2130, 5801]   | 11233 | [9952, 7220]   |
| 2015 | [3534, 3535] | 5088 | [2517, 7203] | 8161 | [10168, 10169] | 11234 | [11976, 11977] |
| 2016 | [3536, 3537] | 5089 | [7413, 2830] | 8162 | [148, 3079]    | 11235 | [10225, 1831]  |
| 2017 | [3538, 3539] | 5090 | [6709, 563]  | 8163 | [10170, 10171] | 11236 | [11978, 9675]  |
| 2018 | [94, 3540]   | 5091 | [7414, 7415] | 8164 | [10172, 2217]  | 11237 | [6723, 6323]   |
| 2019 | [3541, 3542] | 5092 | [7416, 7417] | 8165 | [7335, 6593]   | 11238 | [10818, 6095]  |
| 2020 | [1315, 3418] | 5093 | [6248, 7418] | 8166 | [10173, 10174] | 11239 | [1876, 1945]   |
| 2021 | [3543, 3544] | 5094 | [7419, 2917] | 8167 | [5430, 6216]   | 11240 | [5591, 11979]  |
| 2022 | [3545, 3546] | 5095 | [7420, 7421] | 8168 | [7386, 10175]  | 11241 | [10664, 9653]  |
| 2023 | [3547, 3548] | 5096 | [6865, 6922] | 8169 | [6923, 5412]   | 11242 | [11980, 10976] |
| 2024 | [1787, 3549] | 5097 | [7422, 7423] | 8170 | [2131, 10176]  | 11243 | [11981, 2791]  |
| 2025 | [3550, 3551] | 5098 | [7424, 6811] | 8171 | [10177, 10178] | 11244 | [11982, 11983] |
| 2026 | [3552, 425]  | 5099 | [7425, 7426] | 8172 | [6512, 730]    | 11245 | [11984, 2700]  |
| 2027 | [3553, 3554] | 5100 | [7427, 7428] | 8173 | [10179, 10180] | 11246 | [11985, 11986] |
| 2028 | [3555, 3556] | 5101 | [7429, 7430] | 8174 | [10181, 5462]  | 11247 | [6774, 11987]  |
| 2029 | [306, 3557]  | 5102 | [2006, 6189] | 8175 | [6433, 10182]  | 11248 | [11988, 7294]  |
| 2030 | [3558, 3559] | 5103 | [7431, 5789] | 8176 | [1998, 7396]   | 11249 | [10437, 6880]  |
| 2031 | [3560, 3561] | 5104 | [2240, 6996] | 8177 | [10183, 5597]  | 11250 | [2871, 5306]   |
| 2032 | [3562, 3563] | 5105 | [7432, 7433] | 8178 | [10184, 10185] | 11251 | [1913, 6403]   |
| 2033 | [477, 3564]  | 5106 | [7434, 6068] | 8179 | [9768, 2155]   | 11252 | [10267, 5333]  |
| 2034 | [1736, 3423] | 5107 | [6641, 7435] | 8180 | [10186, 2481]  | 11253 | [11989, 11990] |
| 2035 | [3565, 3566] | 5108 | [7436, 5280] | 8181 | [1901, 2020]   | 11254 | [6827, 2489]   |
| 2036 | [3567, 3568] | 5109 | [7437, 7438] | 8182 | [10187, 10188] | 11255 | [11991, 5658]  |
| 2037 | [3569, 3570] | 5110 | [2435, 7439] | 8183 | [2833, 10189]  | 11256 | [9808, 2452]   |
| 2038 | [3571, 3572] | 5111 | [7440, 7441] | 8184 | [10190, 2391]  | 11257 | [9692, 6593]   |
| 2039 | [3573, 3574] | 5112 | [6855, 7442] | 8185 | [2721, 7033]   | 11258 | [10526, 1924]  |
| 2040 | [3575, 3576] | 5113 | [839, 6920]  | 8186 | [5983, 7492]   | 11259 | [11992, 11993] |
| 2041 | [3577, 3578] | 5114 | [7443, 7444] | 8187 | [5897, 934]    | 11260 | [2438, 11994]  |
| 2042 | [3579, 3580] | 5115 | [7445, 7446] | 8188 | [2935, 10191]  | 11261 | [566, 11995]   |
| 2043 | [3581, 1709] | 5116 | [5637, 2880] | 8189 | [5694, 5550]   | 11262 | [6219, 11996]  |
| 2044 | [1752, 3582] | 5117 | [7447, 7448] | 8190 | [10192, 10193] | 11263 | [133, 7345]    |
| 2045 | [1754, 3583] | 5118 | [865, 155]   | 8191 | [565, 10194]   | 11264 | [5783, 9924]   |
| 2046 | [469, 3584]  | 5119 | [2161, 1834] | 8192 | [6965, 6019]   | 11265 | [11050, 11997] |
| 2047 | [3585, 3586] | 5120 | [6073, 5848] | 8193 | [3105, 3063]   | 11266 | [2721, 2068]   |
| 2048 | [3587, 3588] | 5121 | [7449, 623]  | 8194 | [6574, 6595]   | 11267 | [11998, 10454] |
| 2049 | [3589, 3590] | 5122 | [5538, 5372] | 8195 | [6389, 2129]   | 11268 | [1956, 7089]   |
| 2050 | [3591, 3592] | 5123 | [6251, 2361] | 8196 | [10195, 5689]  | 11269 | [2553, 2659]   |
| 2051 | [3593, 3521] | 5124 | [7450, 6258] | 8197 | [9717, 958]    | 11270 | [6368, 2387]   |
| 2052 | [3594, 3239] | 5125 | [7451, 7452] | 8198 | [10196, 10197] | 11271 | [2625, 11999]  |
| 2053 | [385, 3595]  | 5126 | [7453, 7029] | 8199 | [10198, 2001]  | 11272 | [10290, 9994]  |
| 2054 | [1553, 3596] | 5127 | [7454, 7455] | 8200 | [2226, 10199]  | 11273 | [5759, 12000]  |
| 2055 | [3597, 3598] | 5128 | [7456, 6755] | 8201 | [10200, 10201] | 11274 | [511, 7061]    |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2056 | [3599, 3600] | 5129 | [2969, 663]  | 8202 | [10202, 178]   | 11275 | [10559, 2772]  |
| 2057 | [3601, 3602] | 5130 | [7457, 7458] | 8203 | [10203, 830]   | 11276 | [11988, 10286] |
| 2058 | [3603, 1728] | 5131 | [6784, 6051] | 8204 | [10204, 10205] | 11277 | [6390, 12001]  |
| 2059 | [3604, 3605] | 5132 | [7459, 6118] | 8205 | [2298, 5662]   | 11278 | [11062, 12002] |
| 2060 | [3606, 3607] | 5133 | [7460, 7461] | 8206 | [6742, 6433]   | 11279 | [2580, 677]    |
| 2061 | [3608, 3609] | 5134 | [7462, 6516] | 8207 | [10206, 7178]  | 11280 | [5790, 10987]  |
| 2062 | [3610, 3611] | 5135 | [6752, 6425] | 8208 | [2676, 2876]   | 11281 | [6675, 5556]   |
| 2063 | [3612, 3613] | 5136 | [6838, 7463] | 8209 | [10207, 6780]  | 11282 | [12003, 10475] |
| 2064 | [1479, 1353] | 5137 | [7464, 7465] | 8210 | [10208, 596]   | 11283 | [12004, 12005] |
| 2065 | [3614, 3615] | 5138 | [7466, 6890] | 8211 | [6767, 6627]   | 11284 | [2768, 10737]  |
| 2066 | [3616, 3617] | 5139 | [3009, 2896] | 8212 | [10209, 10210] | 11285 | [5213, 2774]   |
| 2067 | [1481, 1583] | 5140 | [7467, 7468] | 8213 | [916, 2002]    | 11286 | [10992, 2373]  |
| 2068 | [3618, 3619] | 5141 | [2760, 7469] | 8214 | [10211, 10212] | 11287 | [250, 12006]   |
| 2069 | [3620, 3621] | 5142 | [7470, 7471] | 8215 | [10213, 6907]  | 11288 | [5866, 5254]   |
| 2070 | [3622, 418]  | 5143 | [7472, 7473] | 8216 | [5434, 5676]   | 11289 | [10061, 7433]  |
| 2071 | [3623, 3624] | 5144 | [6989, 2140] | 8217 | [10213, 10214] | 11290 | [6312, 12007]  |
| 2072 | [321, 3625]  | 5145 | [7474, 6006] | 8218 | [10215, 9797]  | 11291 | [7078, 12008]  |
| 2073 | [3626, 3627] | 5146 | [7475, 6832] | 8219 | [5629, 5964]   | 11292 | [2872, 9913]   |
| 2074 | [3628, 1719] | 5147 | [7476, 6154] | 8220 | [5976, 10216]  | 11293 | [6359, 5599]   |
| 2075 | [1607, 396]  | 5148 | [2069, 5373] | 8221 | [10217, 10218] | 11294 | [12009, 2618]  |
| 2076 | [3629, 1372] | 5149 | [7477, 7478] | 8222 | [2926, 1991]   | 11295 | [11096, 9819]  |
| 2077 | [3630, 3631] | 5150 | [7479, 883]  | 8223 | [9655, 10038]  | 11296 | [892, 12010]   |
| 2078 | [3632, 3633] | 5151 | [644, 7050]  | 8224 | [10219, 2488]  | 11297 | [12011, 12012] |
| 2079 | [3634, 1640] | 5152 | [2845, 3163] | 8225 | [6638, 2392]   | 11298 | [6137, 9827]   |
| 2080 | [1725, 3635] | 5153 | [7480, 7481] | 8226 | [10220, 10221] | 11299 | [1836, 10075]  |
| 2081 | [3636, 265]  | 5154 | [7482, 6511] | 8227 | [10222, 892]   | 11300 | [11005, 2009]  |
| 2082 | [3637, 3638] | 5155 | [870, 6761]  | 8228 | [5419, 5316]   | 11301 | [12013, 9974]  |
| 2083 | [1416, 3639] | 5156 | [5418, 5705] | 8229 | [6541, 7459]   | 11302 | [12014, 6732]  |
| 2084 | [3640, 446]  | 5157 | [180, 7483]  | 8230 | [1872, 6035]   | 11303 | [10055, 6275]  |
| 2085 | [1439, 3641] | 5158 | [7484, 2791] | 8231 | [10223, 10224] | 11304 | [6010, 12015]  |
| 2086 | [1682, 106]  | 5159 | [7485, 7065] | 8232 | [7200, 5992]   | 11305 | [39, 611]      |
| 2087 | [3642, 3643] | 5160 | [890, 6760]  | 8233 | [10225, 10226] | 11306 | [12016, 12017] |
| 2088 | [3644, 3645] | 5161 | [2779, 7486] | 8234 | [6078, 6772]   | 11307 | [5217, 12018]  |
| 2089 | [3646, 1742] | 5162 | [5653, 2852] | 8235 | [10227, 10228] | 11308 | [10311, 2148]  |
| 2090 | [3647, 3648] | 5163 | [7487, 7488] | 8236 | [10229, 6134]  | 11309 | [10290, 12019] |
| 2091 | [3649, 3650] | 5164 | [7405, 2413] | 8237 | [10230, 6250]  | 11310 | [2233, 6042]   |
| 2092 | [3651, 3652] | 5165 | [7489, 7490] | 8238 | [10231, 10232] | 11311 | [12020, 12021] |
| 2093 | [3653, 3654] | 5166 | [939, 3114]  | 8239 | [5500, 559]    | 11312 | [12022, 12023] |
| 2094 | [3655, 3656] | 5167 | [7014, 2126] | 8240 | [10159, 10233] | 11313 | [12024, 6411]  |
| 2095 | [3657, 3658] | 5168 | [7491, 129]  | 8241 | [7024, 10234]  | 11314 | [10483, 737]   |
| 2096 | [3659, 3660] | 5169 | [7492, 7493] | 8242 | [10235, 7377]  | 11315 | [10588, 12025] |
| 2097 | [3661, 3662] | 5170 | [7494, 208]  | 8243 | [7499, 6736]   | 11316 | [5929, 10556]  |
| 2098 | [3663, 3664] | 5171 | [5791, 7495] | 8244 | [6716, 10236]  | 11317 | [12026, 12027] |
| 2099 | [3665, 3666] | 5172 | [7288, 2645] | 8245 | [5950, 10237]  | 11318 | [5338, 845]    |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2100 | [3667, 3668] | 5173 | [7496, 6651] | 8246 | [10238, 911]   | 11319 | [2384, 12028]  |
| 2101 | [3669, 3670] | 5174 | [7497, 7498] | 8247 | [10239, 513]   | 11320 | [6552, 12029]  |
| 2102 | [3671, 3672] | 5175 | [7499, 5377] | 8248 | [7037, 204]    | 11321 | [9812, 1948]   |
| 2103 | [3673, 3674] | 5176 | [7500, 7501] | 8249 | [10240, 10241] | 11322 | [2642, 6245]   |
| 2104 | [3675, 3676] | 5177 | [5562, 1901] | 8250 | [6776, 10242]  | 11323 | [6687, 7274]   |
| 2105 | [3677, 3678] | 5178 | [7502, 7503] | 8251 | [6019, 2977]   | 11324 | [6015, 10540]  |
| 2106 | [3679, 3680] | 5179 | [5743, 7504] | 8252 | [7405, 10243]  | 11325 | [9654, 230]    |
| 2107 | [3681, 339]  | 5180 | [2183, 777]  | 8253 | [2726, 6055]   | 11326 | [10800, 12030] |
| 2108 | [3682, 3683] | 5181 | [6109, 7505] | 8254 | [10244, 2776]  | 11327 | [2587, 11945]  |
| 2109 | [3684, 3685] | 5182 | [6585, 2815] | 8255 | [6629, 10233]  | 11328 | [9917, 5967]   |
| 2110 | [3686, 3687] | 5183 | [7506, 7507] | 8256 | [7172, 5243]   | 11329 | [2689, 7447]   |
| 2111 | [3688, 3689] | 5184 | [7508, 3127] | 8257 | [10245, 6898]  | 11330 | [12031, 3122]  |
| 2112 | [3690, 3691] | 5185 | [7509, 3196] | 8258 | [6662, 912]    | 11331 | [9980, 10721]  |
| 2113 | [3692, 3525] | 5186 | [7510, 5236] | 8259 | [7033, 6659]   | 11332 | [12032, 6180]  |
| 2114 | [3693, 3694] | 5187 | [7006, 810]  | 8260 | [6199, 7065]   | 11333 | [7508, 6367]   |
| 2115 | [3506, 3695] | 5188 | [7511, 7512] | 8261 | [10246, 2968]  | 11334 | [3184, 11002]  |
| 2116 | [3508, 3696] | 5189 | [3068, 7513] | 8262 | [10247, 7324]  | 11335 | [12033, 6546]  |
| 2117 | [3697, 3698] | 5190 | [7514, 5261] | 8263 | [10248, 828]   | 11336 | [10886, 610]   |
| 2118 | [3699, 3700] | 5191 | [2321, 6948] | 8264 | [2755, 2843]   | 11337 | [12034, 12035] |
| 2119 | [3701, 3702] | 5192 | [7515, 7516] | 8265 | [10249, 6233]  | 11338 | [10781, 11983] |
| 2120 | [3703, 3704] | 5193 | [7517, 6241] | 8266 | [10250, 9868]  | 11339 | [909, 2864]    |
| 2121 | [1381, 3705] | 5194 | [5889, 7518] | 8267 | [10251, 5424]  | 11340 | [1952, 7091]   |
| 2122 | [3706, 3707] | 5195 | [7519, 2101] | 8268 | [1925, 6083]   | 11341 | [10091, 5406]  |
| 2123 | [3708, 3709] | 5196 | [7520, 7521] | 8269 | [5732, 10252]  | 11342 | [12036, 12037] |
| 2124 | [3710, 3711] | 5197 | [7522, 5460] | 8270 | [2814, 2503]   | 11343 | [10250, 9942]  |
| 2125 | [3712, 3713] | 5198 | [6164, 7523] | 8271 | [5516, 6910]   | 11344 | [11013, 2467]  |
| 2126 | [3714, 3715] | 5199 | [7524, 7525] | 8272 | [9681, 2156]   | 11345 | [6655, 6508]   |
| 2127 | [3716, 3717] | 5200 | [7526, 946]  | 8273 | [7152, 10253]  | 11346 | [9831, 10841]  |
| 2128 | [3718, 493]  | 5201 | [1497, 5121] | 8274 | [7169, 2726]   | 11347 | [10594, 6209]  |
| 2129 | [3719, 3720] | 5202 | [315, 7527]  | 8275 | [10254, 10255] | 11348 | [12038, 6212]  |
| 2130 | [3721, 3722] | 5203 | [3756, 4512] | 8276 | [10256, 9827]  | 11349 | [12039, 12040] |
| 2131 | [3723, 3724] | 5204 | [4932, 4580] | 8277 | [6351, 2076]   | 11350 | [12041, 9765]  |
| 2132 | [3725, 3726] | 5205 | [4241, 7528] | 8278 | [1999, 2114]   | 11351 | [6654, 1916]   |
| 2133 | [3569, 3727] | 5206 | [7529, 1579] | 8279 | [10257, 1881]  | 11352 | [12042, 2475]  |
| 2134 | [3728, 317]  | 5207 | [7530, 3259] | 8280 | [3131, 10258]  | 11353 | [3170, 12043]  |
| 2135 | [3729, 1651] | 5208 | [7531, 7532] | 8281 | [6401, 10259]  | 11354 | [7119, 2171]   |
| 2136 | [3730, 1152] | 5209 | [7533, 7534] | 8282 | [10260, 5318]  | 11355 | [10981, 12044] |
| 2137 | [3731, 3732] | 5210 | [7535, 7536] | 8283 | [6165, 2203]   | 11356 | [12045, 12046] |
| 2138 | [3733, 3734] | 5211 | [7537, 7538] | 8284 | [10261, 10262] | 11357 | [12047, 12048] |
| 2139 | [3735, 3736] | 5212 | [7539, 5053] | 8285 | [10263, 2710]  | 11358 | [6337, 5652]   |
| 2140 | [3737, 3738] | 5213 | [7540, 7541] | 8286 | [10264, 223]   | 11359 | [12049, 12050] |
| 2141 | [3739, 3740] | 5214 | [7542, 7543] | 8287 | [7437, 1840]   | 11360 | [7253, 3081]   |
| 2142 | [3741, 3742] | 5215 | [7544, 7545] | 8288 | [730, 246]     | 11361 | [6778, 10642]  |
| 2143 | [3743, 3744] | 5216 | [7546, 4731] | 8289 | [10265, 2635]  | 11362 | [12051, 12052] |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2144 | [3745, 3746] | 5217 | [7547, 7548] | 8290 | [10266, 764]   | 11363 | [7368, 2608]   |
| 2145 | [3747, 3748] | 5218 | [7549, 4104] | 8291 | [10267, 10268] | 11364 | [12053, 12054] |
| 2146 | [3749, 3750] | 5219 | [1046, 7550] | 8292 | [54, 7118]     | 11365 | [10435, 6486]  |
| 2147 | [3751, 3752] | 5220 | [7551, 7552] | 8293 | [6264, 10269]  | 11366 | [12033, 1911]  |
| 2148 | [3753, 1255] | 5221 | [7553, 7554] | 8294 | [2256, 10270]  | 11367 | [2142, 2169]   |
| 2149 | [3754, 3755] | 5222 | [7555, 5188] | 8295 | [10271, 10272] | 11368 | [10383, 12055] |
| 2150 | [3756, 3757] | 5223 | [7556, 7557] | 8296 | [6085, 5860]   | 11369 | [5232, 3198]   |
| 2151 | [3474, 1121] | 5224 | [479, 1731]  | 8297 | [5755, 5766]   | 11370 | [11075, 6608]  |
| 2152 | [3758, 3367] | 5225 | [7558, 4903] | 8298 | [10273, 10274] | 11371 | [11032, 5267]  |
| 2153 | [3759, 3760] | 5226 | [7559, 7560] | 8299 | [2501, 7211]   | 11372 | [9748, 10900]  |
| 2154 | [3761, 3762] | 5227 | [5150, 7561] | 8300 | [878, 5728]    | 11373 | [6849, 5320]   |
| 2155 | [1386, 3763] | 5228 | [4208, 7562] | 8301 | [10275, 10276] | 11374 | [5393, 138]    |
| 2156 | [1037, 3764] | 5229 | [7563, 7564] | 8302 | [6283, 3129]   | 11375 | [9969, 6409]   |
| 2157 | [3765, 3766] | 5230 | [4091, 3650] | 8303 | [10277, 10278] | 11376 | [10786, 10754] |
| 2158 | [3767, 3546] | 5231 | [7565, 3763] | 8304 | [9936, 669]    | 11377 | [5247, 6887]   |
| 2159 | [3768, 3769] | 5232 | [7566, 7567] | 8305 | [9905, 9724]   | 11378 | [5222, 12056]  |
| 2160 | [3425, 3770] | 5233 | [3625, 4650] | 8306 | [10279, 10036] | 11379 | [3123, 1981]   |
| 2161 | [3771, 1518] | 5234 | [7568, 7569] | 8307 | [10280, 10281] | 11380 | [12057, 11161] |
| 2162 | [3772, 1549] | 5235 | [7570, 4045] | 8308 | [5420, 2263]   | 11381 | [12013, 2873]  |
| 2163 | [3773, 3774] | 5236 | [7571, 4820] | 8309 | [10282, 10283] | 11382 | [1943, 542]    |
| 2164 | [1494, 3775] | 5237 | [7572, 3748] | 8310 | [9959, 1942]   | 11383 | [9709, 6768]   |
| 2165 | [3776, 3777] | 5238 | [7573, 124]  | 8311 | [10284, 6311]  | 11384 | [6287, 12058]  |
| 2166 | [3778, 1492] | 5239 | [4855, 7574] | 8312 | [10285, 6795]  | 11385 | [5907, 6767]   |
| 2167 | [3779, 3780] | 5240 | [4426, 1125] | 8313 | [10286, 9880]  | 11386 | [12059, 6246]  |
| 2168 | [3560, 3781] | 5241 | [7575, 5196] | 8314 | [2616, 578]    | 11387 | [10403, 6653]  |
| 2169 | [3782, 3783] | 5242 | [7576, 4450] | 8315 | [5575, 10287]  | 11388 | [10493, 5506]  |
| 2170 | [3742, 3784] | 5243 | [4079, 1764] | 8316 | [1827, 2499]   | 11389 | [11086, 10793] |
| 2171 | [3582, 3785] | 5244 | [4246, 3770] | 8317 | [10288, 7469]  | 11390 | [12060, 12061] |
| 2172 | [3786, 3787] | 5245 | [7577, 7578] | 8318 | [10289, 10290] | 11391 | [6356, 7503]   |
| 2173 | [3788, 3422] | 5246 | [7579, 7580] | 8319 | [2541, 7135]   | 11392 | [10612, 5753]  |
| 2174 | [3789, 1632] | 5247 | [7581, 4392] | 8320 | [6580, 3135]   | 11393 | [10905, 6861]  |
| 2175 | [3790, 3458] | 5248 | [7582, 3799] | 8321 | [10291, 5763]  | 11394 | [10479, 10744] |
| 2176 | [3791, 3792] | 5249 | [7583, 5151] | 8322 | [10292, 6512]  | 11395 | [10831, 57]    |
| 2177 | [3793, 22]   | 5250 | [7584, 3962] | 8323 | [10293, 10294] | 11396 | [7230, 12062]  |
| 2178 | [3794, 3795] | 5251 | [7585, 5153] | 8324 | [10295, 10098] | 11397 | [5772, 5607]   |
| 2179 | [3796, 967]  | 5252 | [7586, 5155] | 8325 | [10296, 6414]  | 11398 | [11132, 12063] |
| 2180 | [3797, 3798] | 5253 | [7587, 7588] | 8326 | [10297, 10298] | 11399 | [10828, 6709]  |
| 2181 | [3799, 3800] | 5254 | [7589, 7590] | 8327 | [10299, 10300] | 11400 | [12064, 10621] |
| 2182 | [3323, 3801] | 5255 | [3374, 7591] | 8328 | [10301, 10302] | 11401 | [12065, 1995]  |
| 2183 | [3269, 1095] | 5256 | [7592, 7593] | 8329 | [9817, 959]    | 11402 | [10726, 5408]  |
| 2184 | [3802, 1374] | 5257 | [7594, 7595] | 8330 | [2962, 10303]  | 11403 | [10820, 6070]  |
| 2185 | [3803, 1750] | 5258 | [4034, 7596] | 8331 | [10304, 10305] | 11404 | [884, 881]     |
| 2186 | [3804, 3805] | 5259 | [7597, 7598] | 8332 | [6965, 2976]   | 11405 | [10967, 2292]  |
| 2187 | [3806, 3807] | 5260 | [7599, 7600] | 8333 | [10306, 6600]  | 11406 | [7381, 10355]  |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2188 | [3808, 1063] | 5261 | [7601, 1292] | 8334 | [3086, 5879]   | 11407 | [2157, 214]    |
| 2189 | [3809, 3810] | 5262 | [7602, 7603] | 8335 | [214, 6025]    | 11408 | [6948, 6142]   |
| 2190 | [106, 3811]  | 5263 | [7604, 7605] | 8336 | [10307, 10308] | 11409 | [10919, 223]   |
| 2191 | [3812, 1339] | 5264 | [3715, 5047] | 8337 | [837, 1946]    | 11410 | [12066, 5326]  |
| 2192 | [1419, 3813] | 5265 | [7606, 3776] | 8338 | [10309, 10310] | 11411 | [10275, 10180] |
| 2193 | [3814, 3815] | 5266 | [3425, 7607] | 8339 | [10311, 2514]  | 11412 | [12057, 3182]  |
| 2194 | [3816, 3817] | 5267 | [3283, 7608] | 8340 | [5674, 5676]   | 11413 | [2931, 5734]   |
| 2195 | [3818, 3819] | 5268 | [7609, 65]   | 8341 | [10312, 10313] | 11414 | [5211, 784]    |
| 2196 | [3820, 3821] | 5269 | [7610, 4428] | 8342 | [5543, 5710]   | 11415 | [12067, 12068] |
| 2197 | [3822, 3823] | 5270 | [7611, 7612] | 8343 | [2310, 10314]  | 11416 | [11060, 2395]  |
| 2198 | [1667, 3824] | 5271 | [1355, 7613] | 8344 | [5417, 7299]   | 11417 | [5989, 12069]  |
| 2199 | [3825, 3826] | 5272 | [7614, 4422] | 8345 | [2361, 10315]  | 11418 | [10659, 10178] |
| 2200 | [3827, 3828] | 5273 | [7615, 7616] | 8346 | [6994, 6098]   | 11419 | [11166, 2070]  |
| 2201 | [1276, 3227] | 5274 | [5105, 7617] | 8347 | [10316, 2743]  | 11420 | [12064, 12070] |
| 2202 | [3829, 3319] | 5275 | [3342, 5113] | 8348 | [6155, 606]    | 11421 | [7450, 6134]   |
| 2203 | [3830, 3831] | 5276 | [269, 1362]  | 8349 | [6753, 10317]  | 11422 | [10909, 12050] |
| 2204 | [3832, 3833] | 5277 | [7618, 4636] | 8350 | [6392, 10318]  | 11423 | [917, 2492]    |
| 2205 | [367, 3834]  | 5278 | [7619, 4100] | 8351 | [7003, 2862]   | 11424 | [12071, 5737]  |
| 2206 | [3835, 3836] | 5279 | [1289, 7620] | 8352 | [10319, 10320] | 11425 | [12072, 2935]  |
| 2207 | [3837, 3838] | 5280 | [7621, 7622] | 8353 | [10321, 2420]  | 11426 | [11044, 12073] |
| 2208 | [1446, 3839] | 5281 | [7623, 7624] | 8354 | [949, 928]     | 11427 | [6333, 5402]   |
| 2209 | [3840, 3841] | 5282 | [7625, 1690] | 8355 | [5518, 5528]   | 11428 | [5810, 12074]  |
| 2210 | [3842, 3843] | 5283 | [7626, 7528] | 8356 | [10322, 6324]  | 11429 | [2437, 2122]   |
| 2211 | [3844, 3694] | 5284 | [7627, 7628] | 8357 | [5326, 10323]  | 11430 | [11090, 6230]  |
| 2212 | [1615, 1443] | 5285 | [7629, 7630] | 8358 | [10324, 10325] | 11431 | [7524, 5263]   |
| 2213 | [3845, 3846] | 5286 | [7631, 4126] | 8359 | [10326, 10327] | 11432 | [12075, 12076] |
| 2214 | [3847, 1168] | 5287 | [7632, 7633] | 8360 | [2699, 6529]   | 11433 | [6306, 12077]  |
| 2215 | [1502, 3848] | 5288 | [7634, 7635] | 8361 | [6395, 2832]   | 11434 | [7402, 6944]   |
| 2216 | [3849, 3647] | 5289 | [5176, 7636] | 8362 | [5207, 1853]   | 11435 | [891, 10244]   |
| 2217 | [285, 3850]  | 5290 | [7637, 7638] | 8363 | [10328, 10329] | 11436 | [5450, 5888]   |
| 2218 | [3851, 3852] | 5291 | [3658, 7639] | 8364 | [10330, 2036]  | 11437 | [7417, 12078]  |
| 2219 | [3853, 3854] | 5292 | [7640, 7641] | 8365 | [9960, 2722]   | 11438 | [12079, 2107]  |
| 2220 | [3855, 3856] | 5293 | [7642, 3221] | 8366 | [10331, 704]   | 11439 | [11974, 5401]  |
| 2221 | [1606, 3857] | 5294 | [4820, 7643] | 8367 | [9688, 5941]   | 11440 | [12080, 6464]  |
| 2222 | [1327, 3858] | 5295 | [7644, 4388] | 8368 | [10332, 2036]  | 11441 | [6217, 6415]   |
| 2223 | [3859, 1386] | 5296 | [7645, 7646] | 8369 | [7390, 10333]  | 11442 | [6364, 5215]   |
| 2224 | [3860, 3861] | 5297 | [5073, 7647] | 8370 | [10016, 10334] | 11443 | [12081, 807]   |
| 2225 | [3862, 3863] | 5298 | [7648, 4916] | 8371 | [10335, 10336] | 11444 | [12082, 12083] |
| 2226 | [1047, 3864] | 5299 | [7649, 7650] | 8372 | [205, 2097]    | 11445 | [12084, 844]   |
| 2227 | [3865, 3866] | 5300 | [7651, 7652] | 8373 | [5462, 5855]   | 11446 | [10249, 6733]  |
| 2228 | [3508, 3867] | 5301 | [4197, 7653] | 8374 | [10337, 5281]  | 11447 | [2763, 12085]  |
| 2229 | [3866, 3868] | 5302 | [7654, 7655] | 8375 | [9761, 2733]   | 11448 | [11984, 2626]  |
| 2230 | [3869, 3870] | 5303 | [3833, 7596] | 8376 | [10338, 6742]  | 11449 | [12086, 12087] |
| 2231 | [3871, 3872] | 5304 | [7579, 7656] | 8377 | [9939, 10153]  | 11450 | [12088, 12089] |

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| 2232 | [3873, 3745] | 5305 | [332, 4351]  | 8378 | [10339, 5360]  | 11451 | [12090, 7064]  |
| 2233 | [3548, 3874] | 5306 | [7657, 3594] | 8379 | [7074, 2507]   | 11452 | [6677, 1951]   |
| 2234 | [3875, 3876] | 5307 | [7658, 1624] | 8380 | [6736, 10340]  | 11453 | [6970, 1869]   |
| 2235 | [3449, 3877] | 5308 | [5094, 1626] | 8381 | [10341, 746]   | 11454 | [2536, 848]    |
| 2236 | [3878, 3879] | 5309 | [1341, 3416] | 8382 | [10342, 10343] | 11455 | [6361, 2096]   |
| 2237 | [3880, 3881] | 5310 | [7659, 1522] | 8383 | [10344, 2582]  | 11456 | [10370, 6994]  |
| 2238 | [3514, 3882] | 5311 | [7660, 1524] | 8384 | [914, 10345]   | 11457 | [2072, 5232]   |
| 2239 | [3883, 3884] | 5312 | [7661, 4156] | 8385 | [10346, 10347] | 11458 | [12091, 12092] |
| 2240 | [3885, 3886] | 5313 | [7662, 7663] | 8386 | [10348, 9807]  | 11459 | [6007, 12093]  |
| 2241 | [3887, 3888] | 5314 | [7664, 4260] | 8387 | [9966, 6472]   | 11460 | [7491, 2901]   |
| 2242 | [3889, 3890] | 5315 | [7665, 4381] | 8388 | [10073, 10349] | 11461 | [11991, 10417] |
| 2243 | [3891, 3892] | 5316 | [7666, 7667] | 8389 | [10350, 42]    | 11462 | [12032, 5543]  |
| 2244 | [3893, 1335] | 5317 | [7668, 1777] | 8390 | [768, 838]     | 11463 | [10669, 12094] |
| 2245 | [3894, 3895] | 5318 | [7669, 3976] | 8391 | [10351, 10352] | 11464 | [138, 5609]    |
| 2246 | [3896, 3897] | 5319 | [7588, 7670] | 8392 | [10353, 604]   | 11465 | [11989, 841]   |
| 2247 | [3898, 3444] | 5320 | [7671, 7672] | 8393 | [2181, 10354]  | 11466 | [12095, 12094] |
| 2248 | [3899, 3603] | 5321 | [7673, 7674] | 8394 | [2938, 10355]  | 11467 | [2433, 10413]  |
| 2249 | [3900, 331]  | 5322 | [7675, 4512] | 8395 | [6833, 5765]   | 11468 | [6593, 6144]   |
| 2250 | [3403, 3901] | 5323 | [7676, 1031] | 8396 | [10356, 10357] | 11469 | [10958, 12096] |
| 2251 | [3902, 3903] | 5324 | [4999, 4604] | 8397 | [10358, 10359] | 11470 | [10717, 10329] |
| 2252 | [3904, 3634] | 5325 | [7677, 7678] | 8398 | [10360, 2544]  | 11471 | [12097, 12098] |
| 2253 | [1719, 3905] | 5326 | [7679, 7680] | 8399 | [6029, 10361]  | 11472 | [10638, 12099] |
| 2254 | [3906, 353]  | 5327 | [7681, 7682] | 8400 | [6335, 2571]   | 11473 | [10973, 628]   |
| 2255 | [3907, 3908] | 5328 | [3486, 4337] | 8401 | [6680, 2734]   | 11474 | [536, 10614]   |
| 2256 | [3909, 1231] | 5329 | [7683, 4616] | 8402 | [10362, 10363] | 11475 | [1974, 5249]   |
| 2257 | [3910, 3911] | 5330 | [7684, 357]  | 8403 | [2952, 5240]   | 11476 | [10623, 3172]  |
| 2258 | [3912, 3913] | 5331 | [7685, 3223] | 8404 | [5471, 215]    | 11477 | [2120, 12100]  |
| 2259 | [3914, 3771] | 5332 | [7686, 7687] | 8405 | [10364, 10365] | 11478 | [6557, 843]    |
| 2260 | [3915, 3916] | 5333 | [7688, 1010] | 8406 | [10366, 10367] | 11479 | [6769, 2048]   |
| 2261 | [3917, 3241] | 5334 | [3227, 7689] | 8407 | [6578, 586]    | 11480 | [12101, 12102] |
| 2262 | [3918, 3919] | 5335 | [1427, 5053] | 8408 | [3028, 7020]   | 11481 | [12103, 12104] |
| 2263 | [3920, 3701] | 5336 | [7690, 7691] | 8409 | [10368, 10369] | 11482 | [12105, 12106] |
| 2264 | [3921, 3922] | 5337 | [7692, 7693] | 8410 | [2016, 605]    | 11483 | [12107, 6722]  |
| 2265 | [3923, 3924] | 5338 | [5086, 7694] | 8411 | [10370, 6103]  | 11484 | [11971, 7441]  |
| 2266 | [3925, 3335] | 5339 | [7695, 7696] | 8412 | [2504, 5670]   | 11485 | [2494, 12108]  |
| 2267 | [3926, 3927] | 5340 | [7697, 7698] | 8413 | [10371, 6230]  | 11486 | [10375, 12037] |
| 2268 | [3928, 3929] | 5341 | [7699, 3702] | 8414 | [10372, 7216]  | 11487 | [10470, 6059]  |
| 2269 | [3930, 3931] | 5342 | [7700, 7701] | 8415 | [10373, 6989]  | 11488 | [2665, 6555]   |
| 2270 | [3932, 3596] | 5343 | [7702, 4752] | 8416 | [3116, 7030]   | 11489 | [12109, 11969] |
| 2271 | [3933, 3934] | 5344 | [7703, 7599] | 8417 | [6116, 10374]  | 11490 | [12110, 11085] |
| 2272 | [3935, 3936] | 5345 | [7704, 3600] | 8418 | [10375, 10376] | 11491 | [194, 12068]   |
| 2273 | [3937, 3938] | 5346 | [7705, 7706] | 8419 | [2265, 10377]  | 11492 | [3084, 12111]  |
| 2274 | [3939, 3557] | 5347 | [7707, 7708] | 8420 | [10378, 2094]  | 11493 | [9814, 6315]   |
| 2275 | [3940, 1729] | 5348 | [7709, 383]  | 8421 | [10379, 10380] | 11494 | [12112, 10006] |

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| 2276 | [3941, 3942] | 5349 | [263, 3398]  | 8422 | [10130, 10381] | 11495 | [7460, 7379]   |
| 2277 | [3943, 3944] | 5350 | [7710, 7711] | 8423 | [6459, 10382]  | 11496 | [10036, 546]   |
| 2278 | [3945, 3743] | 5351 | [3815, 7712] | 8424 | [10383, 10384] | 11497 | [10639, 6937]  |
| 2279 | [3886, 3946] | 5352 | [7713, 7714] | 8425 | [10385, 10386] | 11498 | [10373, 2139]  |
| 2280 | [3254, 3947] | 5353 | [7715, 7716] | 8426 | [2181, 7042]   | 11499 | [3059, 2841]   |
| 2281 | [395, 3948]  | 5354 | [7717, 4342] | 8427 | [10387, 10388] | 11500 | [6586, 6130]   |
| 2282 | [3949, 3950] | 5355 | [7718, 7719] | 8428 | [10389, 10390] | 11501 | [10795, 2038]  |
| 2283 | [3951, 3952] | 5356 | [7720, 3586] | 8429 | [6726, 5900]   | 11502 | [6915, 5730]   |
| 2284 | [3953, 3954] | 5357 | [3784, 4918] | 8430 | [10391, 6479]  | 11503 | [5396, 1893]   |
| 2285 | [372, 3955]  | 5358 | [7721, 276]  | 8431 | [10392, 7102]  | 11504 | [5252, 5649]   |
| 2286 | [3956, 3957] | 5359 | [7722, 1306] | 8432 | [9855, 1859]   | 11505 | [2724, 5948]   |
| 2287 | [3958, 3867] | 5360 | [4083, 7723] | 8433 | [10393, 7169]  | 11506 | [12113, 12114] |
| 2288 | [3959, 3960] | 5361 | [7724, 3513] | 8434 | [7015, 10378]  | 11507 | [7387, 3058]   |
| 2289 | [3961, 3962] | 5362 | [7725, 1148] | 8435 | [7223, 2464]   | 11508 | [10675, 2861]  |
| 2290 | [3963, 3964] | 5363 | [7726, 7727] | 8436 | [5631, 10394]  | 11509 | [7454, 10617]  |
| 2291 | [3965, 1228] | 5364 | [7728, 7599] | 8437 | [10395, 7285]  | 11510 | [2783, 12115]  |
| 2292 | [3966, 1770] | 5365 | [7729, 7730] | 8438 | [5265, 10396]  | 11511 | [7328, 513]    |
| 2293 | [3967, 3968] | 5366 | [1652, 7731] | 8439 | [5523, 7275]   | 11512 | [12116, 12117] |
| 2294 | [3969, 3970] | 5367 | [1337, 3561] | 8440 | [5443, 7333]   | 11513 | [10248, 9785]  |
| 2295 | [3971, 3972] | 5368 | [7732, 1783] | 8441 | [5994, 6344]   | 11514 | [11992, 5473]  |
| 2296 | [3973, 3974] | 5369 | [7733, 7734] | 8442 | [6330, 579]    | 11515 | [6815, 7248]   |
| 2297 | [3455, 3975] | 5370 | [7629, 7735] | 8443 | [10397, 10398] | 11516 | [729, 5540]    |
| 2298 | [3976, 3977] | 5371 | [4570, 7736] | 8444 | [10399, 5895]  | 11517 | [12118, 7025]  |
| 2299 | [1693, 3978] | 5372 | [7737, 1185] | 8445 | [7403, 2591]   | 11518 | [3106, 5635]   |
| 2300 | [100, 3979]  | 5373 | [3619, 7738] | 8446 | [10400, 6260]  | 11519 | [10536, 9765]  |
| 2301 | [3980, 3981] | 5374 | [4893, 7739] | 8447 | [10401, 7093]  | 11520 | [10240, 10742] |
| 2302 | [3982, 1048] | 5375 | [1775, 7740] | 8448 | [1879, 2899]   | 11521 | [12119, 12120] |
| 2303 | [1338, 3983] | 5376 | [7741, 1328] | 8449 | [10402, 5839]  | 11522 | [10561, 3066]  |
| 2304 | [3984, 3985] | 5377 | [426, 1628]  | 8450 | [10403, 10404] | 11523 | [12113, 12061] |
| 2305 | [3972, 3986] | 5378 | [7742, 7743] | 8451 | [6101, 1979]   | 11524 | [12121, 9925]  |
| 2306 | [3987, 3988] | 5379 | [7744, 7730] | 8452 | [5346, 10405]  | 11525 | [12122, 12123] |
| 2307 | [3989, 3990] | 5380 | [7745, 3982] | 8453 | [10406, 2886]  | 11526 | [10046, 6207]  |
| 2308 | [3991, 3992] | 5381 | [7746, 7747] | 8454 | [6542, 10407]  | 11527 | [2941, 3142]   |
| 2309 | [3993, 1290] | 5382 | [7748, 7749] | 8455 | [10408, 6222]  | 11528 | [2512, 10918]  |
| 2310 | [3994, 3995] | 5383 | [3485, 1261] | 8456 | [2432, 9744]   | 11529 | [12124, 12104] |
| 2311 | [1756, 3996] | 5384 | [7750, 7751] | 8457 | [5222, 6505]   | 11530 | [9960, 6388]   |
| 2312 | [3997, 3354] | 5385 | [1552, 3932] | 8458 | [10206, 10409] | 11531 | [6879, 6301]   |
| 2313 | [3998, 450]  | 5386 | [7752, 7753] | 8459 | [6606, 7521]   | 11532 | [5666, 6712]   |
| 2314 | [3999, 4000] | 5387 | [1640, 7754] | 8460 | [10410, 3124]  | 11533 | [873, 2485]    |
| 2315 | [4001, 4002] | 5388 | [7755, 7756] | 8461 | [10411, 9993]  | 11534 | [9700, 5578]   |
| 2316 | [4003, 4004] | 5389 | [7757, 7758] | 8462 | [7123, 3123]   | 11535 | [12066, 7105]  |
| 2317 | [4005, 4006] | 5390 | [3305, 7759] | 8463 | [10412, 10413] | 11536 | [7052, 7481]   |
| 2318 | [4007, 4008] | 5391 | [1032, 4437] | 8464 | [5465, 10414]  | 11537 | [11018, 2088]  |
| 2319 | [4009, 1348] | 5392 | [7760, 1779] | 8465 | [10415, 10416] | 11538 | [11129, 5777]  |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2320 | [4010, 4011] | 5393 | [7761, 1293] | 8466 | [5623, 625]    | 11539 | [2822, 12125]  |
| 2321 | [4012, 4013] | 5394 | [7762, 7763] | 8467 | [10417, 10418] | 11540 | [2826, 6392]   |
| 2322 | [1315, 4014] | 5395 | [1394, 407]  | 8468 | [10419, 10420] | 11541 | [11161, 12126] |
| 2323 | [4015, 4016] | 5396 | [7764, 340]  | 8469 | [10421, 10251] | 11542 | [2985, 618]    |
| 2324 | [4017, 1243] | 5397 | [1209, 4825] | 8470 | [5228, 10422]  | 11543 | [10976, 12127] |
| 2325 | [4018, 4019] | 5398 | [7765, 4174] | 8471 | [10423, 6460]  | 11544 | [5541, 6438]   |
| 2326 | [4020, 1361] | 5399 | [7766, 4543] | 8472 | [10424, 10425] | 11545 | [9661, 6427]   |
| 2327 | [329, 4021]  | 5400 | [3275, 1471] | 8473 | [10426, 5788]  | 11546 | [3070, 6940]   |
| 2328 | [4022, 4023] | 5401 | [7767, 4039] | 8474 | [3007, 10427]  | 11547 | [7277, 2317]   |
| 2329 | [358, 4024]  | 5402 | [7768, 7605] | 8475 | [6994, 944]    | 11548 | [5756, 6353]   |
| 2330 | [1741, 4025] | 5403 | [7769, 7770] | 8476 | [10428, 10429] | 11549 | [720, 11977]   |
| 2331 | [4026, 1616] | 5404 | [5104, 7771] | 8477 | [2678, 10430]  | 11550 | [3148, 584]    |
| 2332 | [4027, 4028] | 5405 | [7772, 7773] | 8478 | [2060, 2984]   | 11551 | [10702, 5606]  |
| 2333 | [1355, 4029] | 5406 | [7774, 7775] | 8479 | [5697, 2376]   | 11552 | [6954, 5398]   |
| 2334 | [4030, 3993] | 5407 | [1797, 7776] | 8480 | [6753, 10431]  | 11553 | [11157, 7305]  |
| 2335 | [4031, 4032] | 5408 | [7777, 266]  | 8481 | [10432, 5232]  | 11554 | [2863, 6177]   |
| 2336 | [4033, 4034] | 5409 | [7778, 487]  | 8482 | [10433, 7364]  | 11555 | [9862, 10043]  |
| 2337 | [4035, 4036] | 5410 | [4584, 7779] | 8483 | [10434, 2056]  | 11556 | [9697, 6129]   |
| 2338 | [4037, 4038] | 5411 | [7780, 7781] | 8484 | [10435, 10436] | 11557 | [2490, 12128]  |
| 2339 | [4039, 4040] | 5412 | [7782, 4401] | 8485 | [6586, 2816]   | 11558 | [2077, 713]    |
| 2340 | [4041, 4042] | 5413 | [7783, 1754] | 8486 | [10011, 6194]  | 11559 | [10603, 10695] |
| 2341 | [4043, 4044] | 5414 | [7784, 7785] | 8487 | [10437, 6552]  | 11560 | [12129, 643]   |
| 2342 | [4045, 4046] | 5415 | [1066, 1286] | 8488 | [10388, 7004]  | 11561 | [5535, 12130]  |
| 2343 | [4047, 1491] | 5416 | [7786, 7787] | 8489 | [10438, 10439] | 11562 | [9763, 2919]   |
| 2344 | [4048, 4049] | 5417 | [7788, 4259] | 8490 | [2440, 6657]   | 11563 | [12131, 12132] |
| 2345 | [4050, 4051] | 5418 | [1151, 7666] | 8491 | [10345, 5474]  | 11564 | [9668, 3042]   |
| 2346 | [4052, 4053] | 5419 | [7789, 3391] | 8492 | [7176, 5619]   | 11565 | [12081, 9891]  |
| 2347 | [4054, 4055] | 5420 | [7790, 7791] | 8493 | [674, 10440]   | 11566 | [5368, 12133]  |
| 2348 | [4056, 4057] | 5421 | [7650, 1423] | 8494 | [9757, 5847]   | 11567 | [7420, 10565]  |
| 2349 | [121, 4058]  | 5422 | [3705, 3306] | 8495 | [2872, 2051]   | 11568 | [3104, 7129]   |
| 2350 | [4059, 1789] | 5423 | [7792, 7793] | 8496 | [2733, 6900]   | 11569 | [10614, 7137]  |
| 2351 | [4060, 4061] | 5424 | [7794, 4977] | 8497 | [10441, 10442] | 11570 | [12134, 2296]  |
| 2352 | [4062, 1628] | 5425 | [7795, 7796] | 8498 | [6338, 38]     | 11571 | [10124, 11135] |
| 2353 | [4063, 295]  | 5426 | [7797, 77]   | 8499 | [2420, 10443]  | 11572 | [7435, 5810]   |
| 2354 | [4064, 4065] | 5427 | [76, 6]      | 8500 | [7487, 1937]   | 11573 | [9810, 10300]  |
| 2355 | [4066, 4067] | 5428 | [3737, 7798] | 8501 | [10444, 5764]  | 11574 | [12135, 6987]  |
| 2356 | [4068, 4069] | 5429 | [7799, 4955] | 8502 | [1927, 7068]   | 11575 | [12136, 6474]  |
| 2357 | [3395, 4070] | 5430 | [4385, 1202] | 8503 | [10445, 3044]  | 11576 | [7515, 6950]   |
| 2358 | [4071, 4072] | 5431 | [7800, 7801] | 8504 | [10446, 10447] | 11577 | [12137, 6738]  |
| 2359 | [4073, 1001] | 5432 | [272, 4210]  | 8505 | [2648, 2473]   | 11578 | [12079, 5422]  |
| 2360 | [4074, 4075] | 5433 | [7802, 7803] | 8506 | [2732, 10448]  | 11579 | [12053, 2821]  |
| 2361 | [4076, 4077] | 5434 | [7804, 1184] | 8507 | [2943, 6612]   | 11580 | [7414, 7166]   |
| 2362 | [4078, 4079] | 5435 | [7805, 7806] | 8508 | [10449, 3087]  | 11581 | [738, 5726]    |
| 2363 | [4080, 4081] | 5436 | [7807, 4334] | 8509 | [10450, 5983]  | 11582 | [2341, 9657]   |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2364 | [339, 4082]  | 5437 | [7808, 7809] | 8510 | [7364, 2277]   | 11583 | [1919, 6228]   |
| 2365 | [29, 4083]   | 5438 | [7810, 1600] | 8511 | [10001, 203]   | 11584 | [10490, 6214]  |
| 2366 | [4084, 1175] | 5439 | [4479, 7811] | 8512 | [7092, 7168]   | 11585 | [9883, 9712]   |
| 2367 | [3470, 1142] | 5440 | [5137, 7812] | 8513 | [2714, 1992]   | 11586 | [7231, 11073]  |
| 2368 | [4085, 4086] | 5441 | [7813, 7814] | 8514 | [10451, 3021]  | 11587 | [6964, 6264]   |
| 2369 | [4087, 3377] | 5442 | [1759, 1111] | 8515 | [7424, 10452]  | 11588 | [10428, 10078] |
| 2370 | [4088, 1200] | 5443 | [4912, 7815] | 8516 | [3002, 833]    | 11589 | [509, 7036]    |
| 2371 | [4089, 4090] | 5444 | [7816, 4098] | 8517 | [2321, 804]    | 11590 | [10912, 6097]  |
| 2372 | [4091, 4092] | 5445 | [7817, 4198] | 8518 | [5447, 10055]  | 11591 | [11958, 6906]  |
| 2373 | [4093, 4094] | 5446 | [5122, 7818] | 8519 | [10453, 2812]  | 11592 | [784, 12138]   |
| 2374 | [4095, 4096] | 5447 | [7819, 7820] | 8520 | [10454, 5865]  | 11593 | [5412, 12139]  |
| 2375 | [4097, 4098] | 5448 | [3711, 7821] | 8521 | [9756, 10455]  | 11594 | [1932, 6878]   |
| 2376 | [4099, 3667] | 5449 | [7822, 7579] | 8522 | [7072, 2280]   | 11595 | [6122, 2348]   |
| 2377 | [1088, 4100] | 5450 | [7823, 7824] | 8523 | [703, 6287]    | 11596 | [12140, 6508]  |
| 2378 | [4101, 3496] | 5451 | [304, 7825]  | 8524 | [10456, 10451] | 11597 | [10011, 12141] |
| 2379 | [4102, 4103] | 5452 | [7826, 7827] | 8525 | [10457, 10458] | 11598 | [10712, 2477]  |
| 2380 | [4104, 92]   | 5453 | [1717, 5117] | 8526 | [10459, 10120] | 11599 | [5324, 1875]   |
| 2381 | [4105, 4106] | 5454 | [7828, 7829] | 8527 | [10460, 7172]  | 11600 | [12086, 11960] |
| 2382 | [4107, 4108] | 5455 | [4898, 4187] | 8528 | [10461, 10462] | 11601 | [7334, 9692]   |
| 2383 | [4109, 4110] | 5456 | [3734, 4765] | 8529 | [10463, 2049]  | 11602 | [7283, 12142]  |
| 2384 | [4111, 4112] | 5457 | [7830, 7831] | 8530 | [10464, 10154] | 11603 | [10207, 7282]  |
| 2385 | [4113, 4114] | 5458 | [7832, 7833] | 8531 | [10465, 3078]  | 11604 | [1896, 12143]  |
| 2386 | [4115, 1455] | 5459 | [7834, 4290] | 8532 | [10466, 9747]  | 11605 | [6506, 2855]   |
| 2387 | [4116, 460]  | 5460 | [7835, 7836] | 8533 | [5567, 644]    | 11606 | [11041, 5559]  |
| 2388 | [4117, 462]  | 5461 | [7837, 7838] | 8534 | [2493, 2628]   | 11607 | [62, 12144]    |
| 2389 | [4118, 4119] | 5462 | [7839, 7840] | 8535 | [10467, 6165]  | 11608 | [10625, 12145] |
| 2390 | [4120, 3792] | 5463 | [436, 7841]  | 8536 | [10468, 6504]  | 11609 | [3027, 2091]   |
| 2391 | [4121, 4029] | 5464 | [7842, 3285] | 8537 | [5268, 6395]   | 11610 | [12146, 3082]  |
| 2392 | [4122, 4123] | 5465 | [7843, 7825] | 8538 | [2007, 2685]   | 11611 | [10758, 9997]  |
| 2393 | [1579, 4124] | 5466 | [7844, 3473] | 8539 | [10469, 6620]  | 11612 | [10690, 12021] |
| 2394 | [4125, 4126] | 5467 | [7845, 7846] | 8540 | [10212, 5257]  | 11613 | [12147, 6625]  |
| 2395 | [4127, 3307] | 5468 | [7847, 1227] | 8541 | [6971, 6502]   | 11614 | [6597, 12092]  |
| 2396 | [4128, 4129] | 5469 | [7827, 1654] | 8542 | [10470, 10471] | 11615 | [10385, 10645] |
| 2397 | [4130, 1068] | 5470 | [7848, 7849] | 8543 | [10472, 6743]  | 11616 | [590, 6858]    |
| 2398 | [1534, 4131] | 5471 | [7850, 425]  | 8544 | [6836, 715]    | 11617 | [10563, 6576]  |
| 2399 | [4132, 1757] | 5472 | [7851, 7852] | 8545 | [7474, 1892]   | 11618 | [5738, 12148]  |
| 2400 | [4133, 4134] | 5473 | [7851, 302]  | 8546 | [10473, 2783]  | 11619 | [10545, 5718]  |
| 2401 | [4135, 4136] | 5474 | [7853, 7854] | 8547 | [9773, 6429]   | 11620 | [7097, 9664]   |
| 2402 | [4137, 4138] | 5475 | [4950, 4694] | 8548 | [5732, 10474]  | 11621 | [11115, 2546]  |
| 2403 | [4139, 1139] | 5476 | [4877, 3592] | 8549 | [10063, 10475] | 11622 | [6857, 2959]   |
| 2404 | [4140, 4141] | 5477 | [4078, 4878] | 8550 | [10476, 10477] | 11623 | [2537, 937]    |
| 2405 | [4142, 3248] | 5478 | [7855, 5107] | 8551 | [10478, 5489]  | 11624 | [12149, 5731]  |
| 2406 | [4143, 4144] | 5479 | [7856, 7857] | 8552 | [10479, 7116]  | 11625 | [3076, 684]    |
| 2407 | [4145, 4146] | 5480 | [7858, 1249] | 8553 | [10480, 2836]  | 11626 | [10346, 10756] |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2408 | [4147, 3601] | 5481 | [7859, 7860] | 8554 | [6124, 10481]  | 11627 | [10719, 2481]  |
| 2409 | [4148, 3385] | 5482 | [7861, 7862] | 8555 | [7124, 6229]   | 11628 | [5882, 5793]   |
| 2410 | [4149, 4150] | 5483 | [7863, 7864] | 8556 | [3089, 10482]  | 11629 | [1910, 12150]  |
| 2411 | [4151, 1442] | 5484 | [1241, 4363] | 8557 | [10483, 10484] | 11630 | [11140, 5824]  |
| 2412 | [3564, 3755] | 5485 | [1048, 1395] | 8558 | [6442, 10485]  | 11631 | [10117, 10425] |
| 2413 | [4152, 4153] | 5486 | [7865, 4891] | 8559 | [9910, 10486]  | 11632 | [6921, 6283]   |
| 2414 | [4154, 4155] | 5487 | [7866, 7867] | 8560 | [10170, 10487] | 11633 | [6255, 10295]  |
| 2415 | [3688, 3203] | 5488 | [7868, 4795] | 8561 | [10488, 10489] | 11634 | [2173, 12151]  |
| 2416 | [4156, 4157] | 5489 | [1002, 1648] | 8562 | [2558, 5655]   | 11635 | [12038, 12152] |
| 2417 | [4158, 4067] | 5490 | [7869, 7870] | 8563 | [10490, 10491] | 11636 | [11103, 2965]  |
| 2418 | [310, 4159]  | 5491 | [7871, 1458] | 8564 | [10492, 6472]  | 11637 | [10774, 10341] |
| 2419 | [1451, 378]  | 5492 | [4501, 7872] | 8565 | [2141, 3101]   | 11638 | [10969, 7161]  |
| 2420 | [4160, 4161] | 5493 | [4503, 7873] | 8566 | [10493, 5650]  | 11639 | [12088, 6824]  |
| 2421 | [4162, 4163] | 5494 | [7874, 7875] | 8567 | [6104, 5454]   | 11640 | [7500, 5268]   |
| 2422 | [3423, 4164] | 5495 | [4079, 7876] | 8568 | [10494, 10495] | 11641 | [10273, 2683]  |
| 2423 | [4165, 4166] | 5496 | [7877, 4756] | 8569 | [544, 10496]   | 11642 | [2914, 12153]  |
| 2424 | [4167, 1336] | 5497 | [7878, 7879] | 8570 | [10056, 10497] | 11643 | [3002, 6077]   |
| 2425 | [4168, 4169] | 5498 | [7880, 7881] | 8571 | [6233, 2574]   | 11644 | [5988, 2240]   |
| 2426 | [4170, 4171] | 5499 | [7882, 7883] | 8572 | [7351, 6002]   | 11645 | [5706, 12154]  |
| 2427 | [4172, 3540] | 5500 | [7884, 3985] | 8573 | [34, 931]      | 11646 | [7087, 5702]   |
| 2428 | [1389, 1725] | 5501 | [7885, 1669] | 8574 | [10498, 10499] | 11647 | [12116, 2355]  |
| 2429 | [4173, 3726] | 5502 | [1373, 7886] | 8575 | [10500, 10501] | 11648 | [10362, 6661]  |
| 2430 | [4174, 4175] | 5503 | [7887, 4019] | 8576 | [9649, 3117]   | 11649 | [5366, 6646]   |
| 2431 | [1738, 3890] | 5504 | [7888, 3258] | 8577 | [10502, 6958]  | 11650 | [2391, 152]    |
| 2432 | [4176, 4177] | 5505 | [7889, 1548] | 8578 | [5363, 9711]   | 11651 | [10421, 2282]  |
| 2433 | [4178, 4179] | 5506 | [7890, 7891] | 8579 | [10503, 10325] | 11652 | [7, 9680]      |
| 2434 | [4180, 4181] | 5507 | [7892, 4409] | 8580 | [7246, 5846]   | 11653 | [7359, 5416]   |
| 2435 | [3634, 4182] | 5508 | [7893, 1686] | 8581 | [5597, 2505]   | 11654 | [11153, 6734]  |
| 2436 | [4183, 279]  | 5509 | [7894, 1688] | 8582 | [10504, 5234]  | 11655 | [51, 6695]     |
| 2437 | [4184, 266]  | 5510 | [7895, 451]  | 8583 | [6134, 6259]   | 11656 | [9920, 7040]   |
| 2438 | [4185, 4186] | 5511 | [7563, 4697] | 8584 | [10505, 10506] | 11657 | [12155, 1852]  |
| 2439 | [4187, 3464] | 5512 | [7896, 7897] | 8585 | [6185, 2285]   | 11658 | [10891, 5461]  |
| 2440 | [4188, 4189] | 5513 | [4071, 4373] | 8586 | [10507, 1941]  | 11659 | [10307, 2145]  |
| 2441 | [4190, 4191] | 5514 | [7898, 7899] | 8587 | [10508, 10509] | 11660 | [10003, 2223]  |
| 2442 | [4192, 4193] | 5515 | [7900, 1771] | 8588 | [10510, 10511] | 11661 | [6021, 5896]   |
| 2443 | [1295, 4194] | 5516 | [4319, 7901] | 8589 | [1909, 6093]   | 11662 | [153, 12156]   |
| 2444 | [4195, 4196] | 5517 | [1187, 1116] | 8590 | [10512, 6628]  | 11663 | [2446, 2251]   |
| 2445 | [4197, 4198] | 5518 | [7902, 7903] | 8591 | [2296, 6421]   | 11664 | [12059, 6898]  |
| 2446 | [4199, 4200] | 5519 | [3519, 7904] | 8592 | [10021, 2714]  | 11665 | [11998, 2289]  |
| 2447 | [1149, 4201] | 5520 | [7905, 7906] | 8593 | [10513, 10514] | 11666 | [2775, 12157]  |
| 2448 | [4202, 4203] | 5521 | [7907, 7908] | 8594 | [10515, 2705]  | 11667 | [2200, 5826]   |
| 2449 | [4204, 4205] | 5522 | [1178, 4350] | 8595 | [2870, 2746]   | 11668 | [12103, 12158] |
| 2450 | [4206, 1050] | 5523 | [7702, 7909] | 8596 | [169, 6973]    | 11669 | [6744, 10305]  |
| 2451 | [3592, 364]  | 5524 | [4741, 7904] | 8597 | [10516, 10517] | 11670 | [5386, 10070]  |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2452 | [4207, 1298] | 5525 | [7910, 7911] | 8598 | [10518, 10216] | 11671 | [1984, 12159]  |
| 2453 | [1750, 4208] | 5526 | [5095, 7912] | 8599 | [10519, 10520] | 11672 | [6369, 12160]  |
| 2454 | [4209, 4210] | 5527 | [1813, 7913] | 8600 | [5460, 10521]  | 11673 | [10335, 10550] |
| 2455 | [4211, 4212] | 5528 | [7914, 7915] | 8601 | [6367, 813]    | 11674 | [6947, 5426]   |
| 2456 | [1702, 4213] | 5529 | [7916, 7917] | 8602 | [7159, 10522]  | 11675 | [12161, 2226]  |
| 2457 | [4214, 4215] | 5530 | [1535, 7918] | 8603 | [1856, 5516]   | 11676 | [10696, 6933]  |
| 2458 | [4216, 4217] | 5531 | [7919, 7920] | 8604 | [10523, 10524] | 11677 | [9762, 3105]   |
| 2459 | [4218, 4219] | 5532 | [7921, 3731] | 8605 | [5835, 2517]   | 11678 | [7457, 6674]   |
| 2460 | [4220, 4221] | 5533 | [7922, 7923] | 8606 | [10525, 6346]  | 11679 | [12065, 6447]  |
| 2461 | [1213, 976]  | 5534 | [7924, 7925] | 8607 | [10526, 5706]  | 11680 | [12107, 2061]  |
| 2462 | [1215, 4222] | 5535 | [7926, 7927] | 8608 | [6429, 5901]   | 11681 | [10747, 5379]  |
| 2463 | [4223, 4224] | 5536 | [7928, 7929] | 8609 | [10527, 7511]  | 11682 | [2959, 7119]   |
| 2464 | [4225, 3957] | 5537 | [7930, 7737] | 8610 | [7202, 10528]  | 11683 | [7425, 6085]   |
| 2465 | [4226, 4227] | 5538 | [4700, 7931] | 8611 | [10111, 53]    | 11684 | [12162, 5436]  |
| 2466 | [4228, 4229] | 5539 | [7932, 7933] | 8612 | [7159, 5404]   | 11685 | [7312, 7403]   |
| 2467 | [4230, 4231] | 5540 | [7934, 7935] | 8613 | [10529, 6301]  | 11686 | [9853, 6120]   |
| 2468 | [4232, 3559] | 5541 | [7936, 7937] | 8614 | [9650, 6188]   | 11687 | [10113, 12163] |
| 2469 | [4233, 4234] | 5542 | [7938, 7939] | 8615 | [5572, 10530]  | 11688 | [10095, 10458] |
| 2470 | [4235, 4236] | 5543 | [7940, 1774] | 8616 | [10135, 6749]  | 11689 | [10088, 2603]  |
| 2471 | [4237, 109]  | 5544 | [7941, 7942] | 8617 | [5409, 10531]  | 11690 | [12164, 5920]  |
| 2472 | [4238, 4239] | 5545 | [7943, 1517] | 8618 | [10521, 2215]  | 11691 | [12014, 6078]  |
| 2473 | [4240, 3263] | 5546 | [1610, 7944] | 8619 | [10301, 2892]  | 11692 | [6808, 9772]   |
| 2474 | [4241, 4242] | 5547 | [7945, 7946] | 8620 | [6474, 10532]  | 11693 | [6797, 1980]   |
| 2475 | [4243, 4244] | 5548 | [1222, 7947] | 8621 | [10533, 5824]  | 11694 | [5905, 12165]  |
| 2476 | [4245, 4246] | 5549 | [4787, 7948] | 8622 | [2053, 10201]  | 11695 | [6321, 10609]  |
| 2477 | [1240, 3451] | 5550 | [7949, 356]  | 8623 | [10534, 9911]  | 11696 | [7056, 5876]   |
| 2478 | [4247, 4248] | 5551 | [7950, 1531] | 8624 | [711, 10535]   | 11697 | [10332, 5409]  |
| 2479 | [4249, 1710] | 5552 | [7951, 3570] | 8625 | [9829, 9874]   | 11698 | [651, 12166]   |
| 2480 | [4250, 4251] | 5553 | [7952, 3686] | 8626 | [10536, 2955]  | 11699 | [12167, 5521]  |
| 2481 | [4252, 4253] | 5554 | [7953, 7954] | 8627 | [6266, 10537]  | 11700 | [10116, 1968]  |
| 2482 | [4254, 4255] | 5555 | [7955, 7956] | 8628 | [7382, 9797]   | 11701 | [12016, 7279]  |
| 2483 | [4256, 1472] | 5556 | [4601, 7957] | 8629 | [2927, 630]    | 11702 | [701, 6039]    |
| 2484 | [4257, 4258] | 5557 | [7958, 4113] | 8630 | [10538, 3177]  | 11703 | [10476, 10798] |
| 2485 | [1162, 4006] | 5558 | [7959, 7960] | 8631 | [755, 2552]    | 11704 | [6999, 7216]   |
| 2486 | [4259, 4260] | 5559 | [7961, 1106] | 8632 | [10539, 10540] | 11705 | [12009, 2788]  |
| 2487 | [4261, 4262] | 5560 | [288, 7962]  | 8633 | [10129, 6995]  | 11706 | [5399, 5799]   |
| 2488 | [4263, 4264] | 5561 | [7963, 3541] | 8634 | [1981, 10358]  | 11707 | [10814, 9979]  |
| 2489 | [4265, 1186] | 5562 | [7964, 1315] | 8635 | [6218, 10541]  | 11708 | [10285, 12168] |
| 2490 | [4266, 4267] | 5563 | [7965, 7751] | 8636 | [10542, 10104] | 11709 | [3190, 12169]  |
| 2491 | [4268, 3512] | 5564 | [4382, 3818] | 8637 | [10167, 10543] | 11710 | [2299, 719]    |
| 2492 | [4269, 4270] | 5565 | [7746, 7966] | 8638 | [7044, 6408]   | 11711 | [7397, 6584]   |
| 2493 | [4271, 4272] | 5566 | [7967, 5024] | 8639 | [10544, 5760]  | 11712 | [12170, 11098] |
| 2494 | [4273, 4274] | 5567 | [7968, 7969] | 8640 | [10545, 2229]  | 11713 | [10785, 5905]  |
| 2495 | [4275, 4276] | 5568 | [7970, 7971] | 8641 | [10546, 6449]  | 11714 | [12164, 12171] |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2496 | [4277, 4278] | 5569 | [411, 7972]  | 8642 | [177, 7076]    | 11715 | [6883, 707]    |
| 2497 | [4279, 4280] | 5570 | [7973, 7974] | 8643 | [10547, 10548] | 11716 | [10031, 12172] |
| 2498 | [4281, 4282] | 5571 | [7639, 1798] | 8644 | [10549, 10550] | 11717 | [6348, 7452]   |
| 2499 | [4283, 4284] | 5572 | [7975, 7976] | 8645 | [10551, 2511]  | 11718 | [9944, 11948]  |
| 2500 | [4023, 4285] | 5573 | [7977, 5104] | 8646 | [10286, 6919]  | 11719 | [10392, 5518]  |
| 2501 | [4286, 1110] | 5574 | [3284, 7978] | 8647 | [10552, 10553] | 11720 | [5467, 12173]  |
| 2502 | [4287, 4288] | 5575 | [1583, 7979] | 8648 | [2923, 10554]  | 11721 | [9694, 6024]   |
| 2503 | [4289, 4290] | 5576 | [7980, 307]  | 8649 | [10212, 7283]  | 11722 | [12174, 10752] |
| 2504 | [3549, 4291] | 5577 | [7981, 7982] | 8650 | [706, 10555]   | 11723 | [12137, 12175] |
| 2505 | [1025, 4292] | 5578 | [7983, 7984] | 8651 | [10556, 10557] | 11724 | [513, 2992]    |
| 2506 | [4293, 4294] | 5579 | [4866, 7985] | 8652 | [5411, 7030]   | 11725 | [11961, 12176] |
| 2507 | [4295, 1023] | 5580 | [279, 7986]  | 8653 | [7338, 2792]   | 11726 | [11985, 183]   |
| 2508 | [4296, 1591] | 5581 | [3986, 7987] | 8654 | [5904, 7448]   | 11727 | [5337, 12177]  |
| 2509 | [1267, 4082] | 5582 | [1082, 7801] | 8655 | [10558, 7085]  | 11728 | [7174, 10026]  |
| 2510 | [4297, 4298] | 5583 | [7988, 7989] | 8656 | [10559, 1984]  | 11729 | [9836, 1847]   |
| 2511 | [4299, 1307] | 5584 | [7990, 7991] | 8657 | [5340, 10560]  | 11730 | [174, 9720]    |
| 2512 | [3592, 4300] | 5585 | [7992, 5185] | 8658 | [10561, 10562] | 11731 | [10508, 6829]  |
| 2513 | [4301, 3489] | 5586 | [7993, 473]  | 8659 | [5561, 10278]  | 11732 | [10810, 9999]  |
| 2514 | [4302, 4303] | 5587 | [7994, 7995] | 8660 | [5502, 5669]   | 11733 | [9664, 12178]  |
| 2515 | [4304, 3679] | 5588 | [7996, 1778] | 8661 | [10563, 1841]  | 11734 | [2809, 12179]  |
| 2516 | [4305, 4306] | 5589 | [7997, 4689] | 8662 | [6746, 629]    | 11735 | [12180, 6739]  |
| 2517 | [4307, 1130] | 5590 | [7998, 7999] | 8663 | [5264, 7008]   | 11736 | [12146, 3184]  |
| 2518 | [4308, 3687] | 5591 | [8000, 8001] | 8664 | [5345, 7031]   | 11737 | [12004, 6375]  |
| 2519 | [4309, 4310] | 5592 | [8002, 3663] | 8665 | [10564, 10565] | 11738 | [2256, 12181]  |
| 2520 | [4311, 3878] | 5593 | [4599, 7958] | 8666 | [7360, 2830]   | 11739 | [12182, 3160]  |
| 2521 | [4312, 4313] | 5594 | [8003, 8004] | 8667 | [10566, 862]   | 11740 | [12047, 48]    |
| 2522 | [4314, 4315] | 5595 | [8005, 1248] | 8668 | [10567, 10568] | 11741 | [10326, 5626]  |
| 2523 | [4316, 4317] | 5596 | [4900, 1068] | 8669 | [5235, 10569]  | 11742 | [5370, 5697]   |
| 2524 | [3745, 3835] | 5597 | [8006, 3433] | 8670 | [10570, 5652]  | 11743 | [10583, 10689] |
| 2525 | [4318, 4319] | 5598 | [8007, 3435] | 8671 | [9737, 7428]   | 11744 | [10837, 10683] |
| 2526 | [4320, 4321] | 5599 | [8008, 8009] | 8672 | [2510, 6313]   | 11745 | [2514, 12183]  |
| 2527 | [4322, 1767] | 5600 | [8010, 1174] | 8673 | [10571, 6926]  | 11746 | [6668, 10940]  |
| 2528 | [4323, 4138] | 5601 | [8011, 8012] | 8674 | [10572, 6775]  | 11747 | [12184, 12185] |
| 2529 | [1608, 397]  | 5602 | [8013, 8014] | 8675 | [10573, 10574] | 11748 | [2400, 5496]   |
| 2530 | [4324, 4325] | 5603 | [3920, 7699] | 8676 | [10575, 6671]  | 11749 | [10446, 5821]  |
| 2531 | [4326, 3224] | 5604 | [8014, 8015] | 8677 | [10576, 6126]  | 11750 | [5636, 12186]  |
| 2532 | [4327, 4328] | 5605 | [1333, 3414] | 8678 | [10577, 2319]  | 11751 | [6047, 10453]  |
| 2533 | [4329, 4330] | 5606 | [8016, 8017] | 8679 | [10578, 10206] | 11752 | [5780, 3005]   |
| 2534 | [1527, 3784] | 5607 | [3533, 8018] | 8680 | [6646, 2331]   | 11753 | [10923, 10420] |
| 2535 | [4331, 4332] | 5608 | [8019, 8020] | 8681 | [10579, 6496]  | 11754 | [2957, 9659]   |
| 2536 | [4333, 4334] | 5609 | [8021, 8022] | 8682 | [10580, 10334] | 11755 | [10895, 5634]  |
| 2537 | [4335, 4336] | 5610 | [440, 8023]  | 8683 | [10581, 6570]  | 11756 | [11037, 3121]  |
| 2538 | [4337, 4149] | 5611 | [964, 7953]  | 8684 | [10582, 3100]  | 11757 | [2804, 3126]   |
| 2539 | [4072, 4338] | 5612 | [8024, 4957] | 8685 | [10445, 3190]  | 11758 | [12011, 6169]  |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2540 | [4339, 4340] | 5613 | [8025, 3814] | 8686 | [10583, 10584] | 11759 | [6988, 2895]   |
| 2541 | [4341, 4342] | 5614 | [8026, 8027] | 8687 | [10281, 6604]  | 11760 | [9801, 5939]   |
| 2542 | [1090, 4343] | 5615 | [8028, 3626] | 8688 | [10585, 10586] | 11761 | [2450, 12040]  |
| 2543 | [4344, 4345] | 5616 | [8029, 4658] | 8689 | [5718, 2257]   | 11762 | [9901, 7017]   |
| 2544 | [320, 342]   | 5617 | [5056, 4021] | 8690 | [10587, 5230]  | 11763 | [12187, 6467]  |
| 2545 | [4346, 4347] | 5618 | [8030, 15]   | 8691 | [5242, 6396]   | 11764 | [9687, 6237]   |
| 2546 | [4348, 4349] | 5619 | [8031, 8032] | 8692 | [2289, 2245]   | 11765 | [2675, 790]    |
| 2547 | [4350, 4351] | 5620 | [8033, 4556] | 8693 | [10588, 10228] | 11766 | [1867, 6865]   |
| 2548 | [4352, 4353] | 5621 | [8034, 8035] | 8694 | [570, 10589]   | 11767 | [7389, 5737]   |
| 2549 | [4354, 3281] | 5622 | [8036, 4910] | 8695 | [10590, 176]   | 11768 | [10433, 131]   |
| 2550 | [1461, 4355] | 5623 | [4836, 3805] | 8696 | [2253, 5982]   | 11769 | [6979, 12188]  |
| 2551 | [4356, 4357] | 5624 | [8037, 8038] | 8697 | [10591, 3093]  | 11770 | [6871, 12189]  |
| 2552 | [4355, 4358] | 5625 | [1817, 294]  | 8698 | [9847, 5305]   | 11771 | [11007, 7202]  |
| 2553 | [3401, 4359] | 5626 | [8039, 8040] | 8699 | [10592, 10593] | 11772 | [10451, 12190] |
| 2554 | [4360, 1088] | 5627 | [8041, 977]  | 8700 | [5651, 7054]   | 11773 | [10751, 12191] |
| 2555 | [4361, 4362] | 5628 | [8042, 5082] | 8701 | [5909, 7192]   | 11774 | [10903, 7266]  |
| 2556 | [3451, 4363] | 5629 | [3643, 8043] | 8702 | [9910, 157]    | 11775 | [10402, 5831]  |
| 2557 | [4364, 4365] | 5630 | [4609, 4077] | 8703 | [10594, 10595] | 11776 | [10068, 9673]  |
| 2558 | [4366, 4367] | 5631 | [1623, 1134] | 8704 | [10596, 10597] | 11777 | [12022, 11125] |
| 2559 | [4368, 4369] | 5632 | [8044, 8045] | 8705 | [926, 2044]    | 11778 | [6700, 3169]   |
| 2560 | [449, 4370]  | 5633 | [1548, 8046] | 8706 | [10598, 55]    | 11779 | [12084, 5338]  |
| 2561 | [4371, 4372] | 5634 | [8047, 4397] | 8707 | [5548, 649]    | 11780 | [2241, 12192]  |
| 2562 | [4373, 4338] | 5635 | [8048, 3606] | 8708 | [10599, 10600] | 11781 | [724, 523]     |
| 2563 | [4374, 4375] | 5636 | [8049, 8050] | 8709 | [5352, 3016]   | 11782 | [12193, 7295]  |
| 2564 | [4376, 4377] | 5637 | [8051, 8052] | 8710 | [10598, 2963]  | 11783 | [11088, 792]   |
| 2565 | [4378, 4379] | 5638 | [8053, 8054] | 8711 | [2543, 10601]  | 11784 | [10851, 7315]  |
| 2566 | [4180, 4378] | 5639 | [8055, 8056] | 8712 | [9689, 7111]   | 11785 | [2742, 9768]   |
| 2567 | [4380, 4381] | 5640 | [8057, 1809] | 8713 | [10040, 2188]  | 11786 | [11063, 6150]  |
| 2568 | [3426, 3408] | 5641 | [8058, 8059] | 8714 | [5524, 2540]   | 11787 | [7112, 3014]   |
| 2569 | [4382, 3373] | 5642 | [8060, 8061] | 8715 | [6783, 6050]   | 11788 | [3090, 871]    |
| 2570 | [4383, 1797] | 5643 | [1819, 3582] | 8716 | [10602, 5774]  | 11789 | [227, 5637]    |
| 2571 | [4384, 4385] | 5644 | [973, 8062]  | 8717 | [10603, 10604] | 11790 | [12024, 7467]  |
| 2572 | [4386, 4387] | 5645 | [8063, 8064] | 8718 | [6570, 10605]  | 11791 | [12129, 12194] |
| 2573 | [1173, 4388] | 5646 | [8065, 8066] | 8719 | [2376, 6116]   | 11792 | [9835, 1883]   |
| 2574 | [4389, 4390] | 5647 | [3689, 8067] | 8720 | [10606, 2777]  | 11793 | [12075, 6935]  |
| 2575 | [4391, 4392] | 5648 | [8068, 8069] | 8721 | [938, 3113]    | 11794 | [6867, 3194]   |
| 2576 | [4393, 4394] | 5649 | [8070, 8071] | 8722 | [10607, 10608] | 11795 | [11981, 913]   |
| 2577 | [1237, 4395] | 5650 | [8072, 1749] | 8723 | [10609, 2563]  | 11796 | [10312, 498]   |
| 2578 | [4396, 3652] | 5651 | [7574, 8073] | 8724 | [6289, 10610]  | 11797 | [11055, 1974]  |
| 2579 | [4397, 1304] | 5652 | [8074, 3966] | 8725 | [5466, 6101]   | 11798 | [7286, 3041]   |
| 2580 | [4398, 4399] | 5653 | [8075, 8076] | 8726 | [10391, 7152]  | 11799 | [2315, 12195]  |
| 2581 | [4400, 4401] | 5654 | [8077, 4040] | 8727 | [2424, 679]    | 11800 | [6268, 167]    |
| 2582 | [4402, 4403] | 5655 | [4315, 8078] | 8728 | [9927, 10013]  | 11801 | [9734, 6165]   |
| 2583 | [4404, 4405] | 5656 | [4367, 8079] | 8729 | [2700, 10611]  | 11802 | [798, 11077]   |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2584 | [4406, 3640] | 5657 | [1034, 4559] | 8730 | [10612, 10202] | 11803 | [2150, 10133]  |
| 2585 | [4407, 4408] | 5658 | [8080, 8081] | 8731 | [10613, 3020]  | 11804 | [10954, 200]   |
| 2586 | [4409, 95]   | 5659 | [4906, 1815] | 8732 | [10614, 3009]  | 11805 | [2282, 12196]  |
| 2587 | [3201, 4410] | 5660 | [7543, 8082] | 8733 | [9708, 10615]  | 11806 | [2375, 12197]  |
| 2588 | [3291, 4411] | 5661 | [8083, 8084] | 8734 | [10616, 10617] | 11807 | [11045, 10390] |
| 2589 | [4412, 4413] | 5662 | [8085, 8086] | 8735 | [10618, 10619] | 11808 | [555, 12198]   |
| 2590 | [4414, 4415] | 5663 | [8087, 8088] | 8736 | [2905, 5238]   | 11809 | [6470, 5813]   |
| 2591 | [4416, 4372] | 5664 | [8089, 1285] | 8737 | [2348, 6282]   | 11810 | [11028, 10511] |
| 2592 | [4032, 4417] | 5665 | [8090, 8091] | 8738 | [7220, 9773]   | 11811 | [5814, 9794]   |
| 2593 | [4418, 4419] | 5666 | [3974, 8092] | 8739 | [6062, 7244]   | 11812 | [10516, 6514]  |
| 2594 | [4420, 399]  | 5667 | [8093, 1084] | 8740 | [6277, 5342]   | 11813 | [6809, 5584]   |
| 2595 | [4421, 4422] | 5668 | [7771, 7617] | 8741 | [10620, 10621] | 11814 | [5350, 5640]   |
| 2596 | [4123, 4423] | 5669 | [8094, 3639] | 8742 | [10622, 2825]  | 11815 | [3175, 237]    |
| 2597 | [1715, 4424] | 5670 | [4290, 8095] | 8743 | [10623, 10624] | 11816 | [2351, 7239]   |
| 2598 | [4425, 4426] | 5671 | [1002, 8096] | 8744 | [7135, 6969]   | 11817 | [6804, 5872]   |
| 2599 | [4427, 4428] | 5672 | [8097, 4176] | 8745 | [10625, 10166] | 11818 | [12135, 5358]  |
| 2600 | [4414, 4429] | 5673 | [8098, 7979] | 8746 | [6338, 10626]  | 11819 | [10316, 3170]  |
| 2601 | [4430, 3335] | 5674 | [8099, 82]   | 8747 | [10627, 10628] | 11820 | [7340, 2800]   |
| 2602 | [4431, 1043] | 5675 | [8100, 7927] | 8748 | [9942, 7063]   | 11821 | [2023, 2741]   |
| 2603 | [4432, 4433] | 5676 | [7803, 8101] | 8749 | [6550, 10629]  | 11822 | [10630, 10568] |
| 2604 | [4434, 4330] | 5677 | [8102, 8103] | 8750 | [6432, 6464]   | 11823 | [12031, 7123]  |
| 2605 | [4435, 4436] | 5678 | [8104, 4129] | 8751 | [10630, 10631] | 11824 | [7140, 10]     |
| 2606 | [4437, 4438] | 5679 | [8105, 8106] | 8752 | [6020, 9725]   | 11825 | [5699, 9678]   |
| 2607 | [4439, 4440] | 5680 | [8107, 4284] | 8753 | [520, 10632]   | 11826 | [10613, 10451] |
| 2608 | [4441, 4442] | 5681 | [1049, 7975] | 8754 | [5427, 5500]   | 11827 | [6740, 2337]   |
| 2609 | [4443, 298]  | 5682 | [8108, 4918] | 8755 | [10461, 6049]  | 11828 | [6773, 6060]   |
| 2610 | [4444, 4445] | 5683 | [8109, 3239] | 8756 | [10633, 3006]  | 11829 | [11980, 6571]  |
| 2611 | [4446, 4447] | 5684 | [5083, 1330] | 8757 | [10634, 5461]  | 11830 | [12122, 2967]  |
| 2612 | [4448, 3679] | 5685 | [3519, 8110] | 8758 | [10635, 575]   | 11831 | [11092, 2209]  |
| 2613 | [4449, 3706] | 5686 | [8111, 4186] | 8759 | [10636, 6695]  | 11832 | [5916, 504]    |
| 2614 | [4178, 4450] | 5687 | [8112, 8113] | 8760 | [7080, 6256]   | 11833 | [10351, 12199] |
| 2615 | [4451, 4452] | 5688 | [8114, 3870] | 8761 | [6440, 10049]  | 11834 | [12200, 12189] |
| 2616 | [4453, 4454] | 5689 | [4815, 4480] | 8762 | [10637, 10638] | 11835 | [12201, 637]   |
| 2617 | [4455, 4456] | 5690 | [8115, 8116] | 8763 | [563, 2542]    | 11836 | [2504, 2672]   |
| 2618 | [4457, 4458] | 5691 | [4982, 3896] | 8764 | [5311, 796]    | 11837 | [10723, 6495]  |
| 2619 | [4459, 1497] | 5692 | [1211, 3385] | 8765 | [10639, 7280]  | 11838 | [9889, 3183]   |
| 2620 | [4460, 4461] | 5693 | [1223, 4433] | 8766 | [10640, 10641] | 11839 | [12202, 1941]  |
| 2621 | [4462, 4463] | 5694 | [4489, 8117] | 8767 | [1931, 6556]   | 11840 | [9930, 10262]  |
| 2622 | [4464, 1192] | 5695 | [4149, 8118] | 8768 | [2018, 3025]   | 11841 | [7241, 6894]   |
| 2623 | [4465, 417]  | 5696 | [8119, 4099] | 8769 | [10642, 10643] | 11842 | [12162, 12203] |
| 2624 | [4466, 3245] | 5697 | [8120, 8121] | 8770 | [10644, 10645] | 11843 | [12090, 190]   |
| 2625 | [4467, 4468] | 5698 | [4086, 8122] | 8771 | [5862, 10646]  | 11844 | [5642, 5298]   |
| 2626 | [4469, 4470] | 5699 | [8123, 4978] | 8772 | [5822, 852]    | 11845 | [5762, 12204]  |
| 2627 | [419, 4471]  | 5700 | [4245, 3425] | 8773 | [10647, 7109]  | 11846 | [10824, 10399] |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2628 | [4472, 4473] | 5701 | [8124, 1646] | 8774 | [10648, 9911]  | 11847 | [10874, 10169] |
| 2629 | [4272, 4231] | 5702 | [1478, 1167] | 8775 | [10321, 2518]  | 11848 | [10993, 10927] |
| 2630 | [4474, 4475] | 5703 | [8125, 4657] | 8776 | [9899, 5806]   | 11849 | [6053, 12205]  |
| 2631 | [3846, 1336] | 5704 | [8126, 1691] | 8777 | [7473, 6147]   | 11850 | [2681, 917]    |
| 2632 | [4476, 1447] | 5705 | [8127, 3879] | 8778 | [10649, 10650] | 11851 | [6960, 1993]   |
| 2633 | [3938, 1666] | 5706 | [8128, 8128] | 8779 | [10651, 2139]  | 11852 | [11149, 10388] |
| 2634 | [4477, 4478] | 5707 | [8129, 3891] | 8780 | [10652, 2038]  | 11853 | [12045, 3024]  |
| 2635 | [4479, 4480] | 5708 | [8130, 8131] | 8781 | [10653, 7275]  | 11854 | [6532, 12206]  |
| 2636 | [4481, 4482] | 5709 | [8132, 7694] | 8782 | [7133, 187]    | 11855 | [6224, 12207]  |
| 2637 | [1132, 4483] | 5710 | [8133, 8134] | 8783 | [10654, 10114] | 11856 | [12119, 7366]  |
| 2638 | [4484, 4485] | 5711 | [1774, 4709] | 8784 | [10655, 10352] | 11857 | [12134, 5782]  |
| 2639 | [4486, 422]  | 5712 | [1155, 8135] | 8785 | [10220, 5205]  | 11858 | [10271, 6792]  |
| 2640 | [4487, 4488] | 5713 | [8136, 3950] | 8786 | [2130, 10656]  | 11859 | [11962, 5535]  |
| 2641 | [4489, 4490] | 5714 | [8137, 1259] | 8787 | [10657, 7526]  | 11860 | [7075, 12208]  |
| 2642 | [3278, 4491] | 5715 | [8138, 4403] | 8788 | [7225, 10218]  | 11861 | [6929, 6613]   |
| 2643 | [4492, 4359] | 5716 | [8139, 8140] | 8789 | [715, 2809]    | 11862 | [9964, 508]    |
| 2644 | [4493, 4494] | 5717 | [8141, 1491] | 8790 | [9942, 5382]   | 11863 | [10750, 12209] |
| 2645 | [4495, 4367] | 5718 | [8142, 3925] | 8791 | [10658, 6496]  | 11864 | [2057, 6977]   |
| 2646 | [4496, 1422] | 5719 | [4818, 8143] | 8792 | [7276, 2589]   | 11865 | [10788, 2638]  |
| 2647 | [4497, 1557] | 5720 | [8144, 8145] | 8793 | [10659, 10660] | 11866 | [12147, 188]   |
| 2648 | [4498, 4499] | 5721 | [8146, 8147] | 8794 | [9987, 9675]   | 11867 | [9948, 7059]   |
| 2649 | [4500, 4501] | 5722 | [8148, 4445] | 8795 | [903, 10661]   | 11868 | [10204, 6466]  |
| 2650 | [4502, 4503] | 5723 | [8149, 1700] | 8796 | [10662, 10663] | 11869 | [11119, 5480]  |
| 2651 | [4504, 4505] | 5724 | [8041, 8150] | 8797 | [10664, 10665] | 11870 | [1855, 2526]   |
| 2652 | [1391, 4506] | 5725 | [7530, 8151] | 8798 | [10289, 9993]  | 11871 | [3043, 12210]  |
| 2653 | [4507, 1390] | 5726 | [8152, 3701] | 8799 | [10666, 6476]  | 11872 | [9884, 2920]   |
| 2654 | [4506, 1392] | 5727 | [8153, 8154] | 8800 | [7152, 6480]   | 11873 | [7045, 6912]   |
| 2655 | [98, 4508]   | 5728 | [1669, 456]  | 8801 | [10172, 7471]  | 11874 | [6623, 6635]   |
| 2656 | [4509, 4500] | 5729 | [8155, 8156] | 8802 | [6747, 2175]   | 11875 | [729, 12211]   |
| 2657 | [4510, 4511] | 5730 | [8157, 8158] | 8803 | [7497, 2771]   | 11876 | [9682, 5299]   |
| 2658 | [4512, 4513] | 5731 | [8159, 8160] | 8804 | [6464, 10667]  | 11877 | [11016, 10766] |
| 2659 | [4514, 4515] | 5732 | [8161, 8162] | 8805 | [10668, 5935]  | 11878 | [10379, 2081]  |
| 2660 | [4516, 4517] | 5733 | [3922, 8163] | 8806 | [6060, 7499]   | 11879 | [10805, 6172]  |
| 2661 | [4517, 4518] | 5734 | [8164, 1245] | 8807 | [2365, 10628]  | 11880 | [10787, 6235]  |
| 2662 | [4519, 1465] | 5735 | [439, 8165]  | 8808 | [10669, 10670] | 11881 | [5961, 2763]   |
| 2663 | [416, 4520]  | 5736 | [8166, 3474] | 8809 | [10109, 6041]  | 11882 | [12042, 2162]  |
| 2664 | [1101, 4521] | 5737 | [8167, 4282] | 8810 | [10247, 10671] | 11883 | [7130, 832]    |
| 2665 | [4522, 4523] | 5738 | [8168, 4546] | 8811 | [2958, 10106]  | 11884 | [6620, 12212]  |
| 2666 | [4524, 3249] | 5739 | [7794, 8169] | 8812 | [10672, 6136]  | 11885 | [6762, 12213]  |
| 2667 | [4525, 4526] | 5740 | [8170, 107]  | 8813 | [9751, 5742]   | 11886 | [9727, 2340]   |
| 2668 | [4527, 4528] | 5741 | [8171, 1439] | 8814 | [10673, 10674] | 11887 | [7302, 7224]   |
| 2669 | [4529, 4326] | 5742 | [5075, 3228] | 8815 | [6857, 2044]   | 11888 | [6013, 3138]   |
| 2670 | [377, 4530]  | 5743 | [4933, 4581] | 8816 | [10675, 7003]  | 11889 | [10796, 6347]  |
| 2671 | [1807, 4531] | 5744 | [8172, 3886] | 8817 | [2340, 10676]  | 11890 | [7275, 6104]   |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2672 | [4532, 4533] | 5745 | [8173, 8174] | 8818 | [7252, 811]    | 11891 | [5449, 787]    |
| 2673 | [4291, 4369] | 5746 | [8175, 8176] | 8819 | [10677, 7403]  | 11892 | [12167, 2849]  |
| 2674 | [1010, 3537] | 5747 | [8177, 4653] | 8820 | [2578, 10108]  | 11893 | [12193, 10322] |
| 2675 | [4534, 1513] | 5748 | [8178, 8179] | 8821 | [5898, 3167]   | 11894 | [6280, 1908]   |
| 2676 | [4535, 4536] | 5749 | [8180, 1346] | 8822 | [6493, 10678]  | 11895 | [10606, 877]   |
| 2677 | [4537, 1047] | 5750 | [5178, 8181] | 8823 | [10679, 732]   | 11896 | [11052, 6892]  |
| 2678 | [4538, 4539] | 5751 | [435, 8182]  | 8824 | [3014, 9663]   | 11897 | [1821, 5247]   |
| 2679 | [4540, 4541] | 5752 | [8183, 486]  | 8825 | [10680, 5295]  | 11898 | [9780, 5547]   |
| 2680 | [4219, 3379] | 5753 | [8184, 7601] | 8826 | [9779, 10681]  | 11899 | [12131, 10343] |
| 2681 | [4542, 4269] | 5754 | [8185, 4691] | 8827 | [7205, 10144]  | 11900 | [5273, 10188]  |
| 2682 | [4543, 4544] | 5755 | [8186, 8187] | 8828 | [10682, 10683] | 11901 | [3102, 2204]   |
| 2683 | [4545, 4546] | 5756 | [8188, 8189] | 8829 | [6155, 6747]   | 11902 | [12202, 9959]  |
| 2684 | [4547, 4548] | 5757 | [3221, 4270] | 8830 | [9696, 2721]   | 11903 | [10873, 5497]  |
| 2685 | [4549, 396]  | 5758 | [1167, 8190] | 8831 | [962, 10684]   | 11904 | [6523, 10885]  |
| 2686 | [3520, 4550] | 5759 | [8191, 7696] | 8832 | [10685, 7509]  | 11905 | [9744, 12214]  |
| 2687 | [3672, 4551] | 5760 | [8192, 8193] | 8833 | [10686, 5615]  | 11906 | [10618, 2879]  |
| 2688 | [4552, 4553] | 5761 | [8117, 8194] | 8834 | [2646, 146]    | 11907 | [3115, 5411]   |
| 2689 | [4419, 4554] | 5762 | [3624, 8195] | 8835 | [10687, 2937]  | 11908 | [5972, 10416]  |
| 2690 | [965, 4555]  | 5763 | [8196, 4575] | 8836 | [10688, 10689] | 11909 | [10983, 9882]  |
| 2691 | [4478, 4556] | 5764 | [7605, 8197] | 8837 | [7216, 6224]   | 11910 | [7209, 2619]   |
| 2692 | [4557, 4558] | 5765 | [8198, 4842] | 8838 | [10690, 10691] | 11911 | [10853, 2594]  |
| 2693 | [4559, 4560] | 5766 | [8199, 4130] | 8839 | [10692, 5497]  | 11912 | [10995, 734]   |
| 2694 | [3341, 3795] | 5767 | [8200, 4861] | 8840 | [9915, 10693]  | 11913 | [12184, 1887]  |
| 2695 | [4561, 1347] | 5768 | [8201, 8202] | 8841 | [5634, 10055]  | 11914 | [10862, 2911]  |
| 2696 | [4562, 4563] | 5769 | [1820, 7560] | 8842 | [10694, 10695] | 11915 | [9957, 3124]   |
| 2697 | [4564, 1761] | 5770 | [8203, 3552] | 8843 | [5505, 7006]   | 11916 | [7319, 6926]   |
| 2698 | [4565, 4566] | 5771 | [8204, 8205] | 8844 | [10649, 6146]  | 11917 | [9795, 2123]   |
| 2699 | [4567, 4521] | 5772 | [8206, 8207] | 8845 | [10696, 10697] | 11918 | [10964, 7444]  |
| 2700 | [1171, 4568] | 5773 | [8208, 7810] | 8846 | [2723, 2751]   | 11919 | [10858, 2923]  |
| 2701 | [1127, 1276] | 5774 | [8209, 4444] | 8847 | [6216, 3092]   | 11920 | [6974, 5203]   |
| 2702 | [4569, 4570] | 5775 | [3730, 8210] | 8848 | [7392, 3144]   | 11921 | [6830, 11964]  |
| 2703 | [3572, 4571] | 5776 | [1224, 8211] | 8849 | [10642, 5514]  | 11922 | [10867, 249]   |
| 2704 | [4572, 3682] | 5777 | [8212, 8213] | 8850 | [10698, 2619]  | 11923 | [2164, 2146]   |
| 2705 | [3863, 4573] | 5778 | [8214, 8215] | 8851 | [5758, 9908]   | 11924 | [7353, 10520]  |
| 2706 | [4574, 4575] | 5779 | [3361, 8216] | 8852 | [10699, 3019]  | 11925 | [588, 2554]    |
| 2707 | [4576, 4577] | 5780 | [8217, 5126] | 8853 | [6427, 10700]  | 11926 | [10488, 532]   |
| 2708 | [4578, 4579] | 5781 | [8218, 8219] | 8854 | [741, 5334]    | 11927 | [630, 705]     |
| 2709 | [4580, 4581] | 5782 | [3850, 4937] | 8855 | [2753, 10701]  | 11928 | [10961, 10732] |
| 2710 | [4582, 1203] | 5783 | [5052, 8220] | 8856 | [10702, 2478]  | 11929 | [3145, 10802]  |
| 2711 | [4583, 3882] | 5784 | [382, 3876]  | 8857 | [10513, 36]    | 11930 | [10839, 516]   |
| 2712 | [4584, 3286] | 5785 | [8221, 8222] | 8858 | [6890, 10703]  | 11931 | [6605, 1931]   |
| 2713 | [4585, 4211] | 5786 | [8223, 8000] | 8859 | [10704, 2598]  | 11932 | [6734, 12215]  |
| 2714 | [4586, 1103] | 5787 | [8224, 8225] | 8860 | [10705, 1956]  | 11933 | [11942, 2125]  |
| 2715 | [4587, 4057] | 5788 | [8226, 4822] | 8861 | [6472, 10706]  | 11934 | [9892, 10320]  |

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| 2716 | [4588, 4589] | 5789 | [8227, 8228] | 8862 | [5915, 10011]  | 11935 | [10024, 7169]  |
| 2717 | [4590, 4591] | 5790 | [8229, 8230] | 8863 | [6709, 6307]   | 11936 | [7255, 10553]  |
| 2718 | [3989, 1665] | 5791 | [7991, 4617] | 8864 | [10341, 7479]  | 11937 | [6881, 5985]   |
| 2719 | [991, 4592]  | 5792 | [8231, 8232] | 8865 | [10707, 10301] | 11938 | [8223, 4810]   |
| 2720 | [4593, 4594] | 5793 | [8233, 8234] | 8866 | [10708, 5299]  | 11939 | [8126, 12216]  |
| 2721 | [4595, 3620] | 5794 | [8235, 8236] | 8867 | [10709, 10381] | 11940 | [8658, 11219]  |
| 2722 | [4596, 4597] | 5795 | [8237, 1012] | 8868 | [2580, 7245]   | 11941 | [9015, 5120]   |
| 2723 | [3414, 4598] | 5796 | [8238, 8239] | 8869 | [2426, 6968]   | 11942 | [11715, 12217] |
| 2724 | [3490, 4599] | 5797 | [8240, 7999] | 8870 | [10279, 541]   | 11943 | [3811, 4117]   |
| 2725 | [4600, 4601] | 5798 | [8241, 8242] | 8871 | [500, 10710]   | 11944 | [9517, 11722]  |
| 2726 | [4602, 1594] | 5799 | [8243, 4402] | 8872 | [6541, 6117]   | 11945 | [11386, 424]   |
| 2727 | [4603, 3626] | 5800 | [8244, 4030] | 8873 | [10322, 6814]  | 11946 | [1688, 12218]  |
| 2728 | [4604, 4605] | 5801 | [4369, 5090] | 8874 | [10711, 7511]  | 11947 | [8831, 7702]   |
| 2729 | [3896, 4606] | 5802 | [8245, 3772] | 8875 | [10712, 10713] | 11948 | [9574, 3811]   |
| 2730 | [4607, 4608] | 5803 | [8139, 8018] | 8876 | [10154, 10714] | 11949 | [3497, 7783]   |
| 2731 | [4609, 4610] | 5804 | [7552, 4311] | 8877 | [134, 10715]   | 11950 | [11307, 9035]  |
| 2732 | [4611, 1185] | 5805 | [4578, 7753] | 8878 | [139, 2192]    | 11951 | [11725, 7593]  |
| 2733 | [4612, 1664] | 5806 | [8246, 4571] | 8879 | [2594, 5903]   | 11952 | [3752, 8586]   |
| 2734 | [4613, 4108] | 5807 | [8247, 8248] | 8880 | [6544, 2134]   | 11953 | [8102, 9579]   |
| 2735 | [4614, 4615] | 5808 | [8249, 8250] | 8881 | [2955, 10716]  | 11954 | [4486, 12219]  |
| 2736 | [4337, 4616] | 5809 | [4493, 8251] | 8882 | [6938, 2049]   | 11955 | [9550, 4905]   |
| 2737 | [4617, 4558] | 5810 | [8252, 8253] | 8883 | [10717, 10718] | 11956 | [8467, 276]    |
| 2738 | [4618, 4619] | 5811 | [8254, 8255] | 8884 | [2141, 7380]   | 11957 | [11666, 8225]  |
| 2739 | [3824, 4620] | 5812 | [1019, 4432] | 8885 | [5385, 2269]   | 11958 | [11540, 12220] |
| 2740 | [4621, 4622] | 5813 | [7880, 8256] | 8886 | [10719, 3039]  | 11959 | [4039, 12221]  |
| 2741 | [4623, 4624] | 5814 | [8010, 4084] | 8887 | [10720, 10721] | 11960 | [12222, 8960]  |
| 2742 | [4625, 4626] | 5815 | [8257, 8258] | 8888 | [10722, 9779]  | 11961 | [11359, 12223] |
| 2743 | [4627, 1107] | 5816 | [8259, 7682] | 8889 | [10723, 10724] | 11962 | [4125, 12224]  |
| 2744 | [4628, 1770] | 5817 | [3864, 8260] | 8890 | [6966, 6164]   | 11963 | [11209, 4302]  |
| 2745 | [4629, 3527] | 5818 | [8261, 1661] | 8891 | [6240, 2936]   | 11964 | [7556, 5104]   |
| 2746 | [4630, 3445] | 5819 | [3245, 257]  | 8892 | [10725, 6571]  | 11965 | [11610, 4318]  |
| 2747 | [3266, 4631] | 5820 | [1685, 8262] | 8893 | [581, 6682]    | 11966 | [4643, 340]    |
| 2748 | [4632, 4611] | 5821 | [4899, 4130] | 8894 | [10726, 10727] | 11967 | [8357, 4408]   |
| 2749 | [4633, 3391] | 5822 | [8263, 8264] | 8895 | [10202, 7514]  | 11968 | [11442, 3214]  |
| 2750 | [4634, 4635] | 5823 | [8265, 4225] | 8896 | [7369, 6355]   | 11969 | [9414, 11377]  |
| 2751 | [4597, 4636] | 5824 | [8266, 7633] | 8897 | [10728, 6335]  | 11970 | [11790, 9413]  |
| 2752 | [4637, 4638] | 5825 | [8267, 8268] | 8898 | [6948, 774]    | 11971 | [4804, 4666]   |
| 2753 | [4639, 4640] | 5826 | [8269, 1425] | 8899 | [1893, 2346]   | 11972 | [9555, 4943]   |
| 2754 | [4641, 4642] | 5827 | [8270, 268]  | 8900 | [10729, 10730] | 11973 | [1549, 4398]   |
| 2755 | [3340, 4136] | 5828 | [8271, 4004] | 8901 | [10731, 10732] | 11974 | [394, 4037]    |
| 2756 | [4643, 4644] | 5829 | [8272, 8258] | 8902 | [10733, 7302]  | 11975 | [117, 12225]   |
| 2757 | [1433, 4645] | 5830 | [8273, 8274] | 8903 | [6549, 2918]   | 11976 | [11262, 3440]  |
| 2758 | [1684, 4646] | 5831 | [8275, 1787] | 8904 | [5469, 10734]  | 11977 | [5009, 1094]   |
| 2759 | [4647, 4648] | 5832 | [8276, 7933] | 8905 | [10735, 2990]  | 11978 | [3443, 8044]   |

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| 2760 | [1418, 4649] | 5833 | [8277, 1207] | 8906 | [10736, 10737] | 11979 | [11285, 9420]  |
| 2761 | [343, 4650]  | 5834 | [8278, 4307] | 8907 | [10738, 3028]  | 11980 | [8928, 12226]  |
| 2762 | [1758, 4651] | 5835 | [8279, 4222] | 8908 | [10739, 10740] | 11981 | [8378, 12227]  |
| 2763 | [4652, 4653] | 5836 | [8280, 4795] | 8909 | [706, 6133]    | 11982 | [4682, 3291]   |
| 2764 | [4654, 3660] | 5837 | [4110, 3945] | 8910 | [10741, 10742] | 11983 | [11705, 8084]  |
| 2765 | [4655, 4656] | 5838 | [7560, 8281] | 8911 | [6302, 5752]   | 11984 | [11657, 12228] |
| 2766 | [4657, 4658] | 5839 | [8282, 8283] | 8912 | [169, 10743]   | 11985 | [9150, 11657]  |
| 2767 | [4659, 4660] | 5840 | [8284, 8285] | 8913 | [10744, 614]   | 11986 | [4556, 4461]   |
| 2768 | [4425, 1124] | 5841 | [3491, 7958] | 8914 | [10745, 714]   | 11987 | [5052, 9072]   |
| 2769 | [4661, 4662] | 5842 | [3789, 8286] | 8915 | [6371, 6821]   | 11988 | [4557, 12229]  |
| 2770 | [4663, 4664] | 5843 | [1570, 3348] | 8916 | [6603, 2572]   | 11989 | [3603, 12230]  |
| 2771 | [4665, 4635] | 5844 | [3659, 8287] | 8917 | [10746, 7197]  | 11990 | [8616, 1364]   |
| 2772 | [4666, 1149] | 5845 | [4143, 4499] | 8918 | [10747, 10748] | 11991 | [11779, 12231] |
| 2773 | [4667, 4668] | 5846 | [8288, 7573] | 8919 | [10254, 10749] | 11992 | [3952, 5046]   |
| 2774 | [4669, 3524] | 5847 | [8289, 4775] | 8920 | [9840, 10750]  | 11993 | [3952, 4123]   |
| 2775 | [4670, 4671] | 5848 | [8290, 390]  | 8921 | [10576, 902]   | 11994 | [11190, 4982]  |
| 2776 | [1695, 1702] | 5849 | [8291, 7630] | 8922 | [10751, 10752] | 11995 | [9441, 4597]   |
| 2777 | [4672, 1085] | 5850 | [1662, 8292] | 8923 | [2557, 6170]   | 11996 | [9585, 1270]   |
| 2778 | [4673, 4674] | 5851 | [8293, 8294] | 8924 | [9995, 5723]   | 11997 | [11440, 3607]  |
| 2779 | [4675, 4676] | 5852 | [8295, 8296] | 8925 | [10181, 5854]  | 11998 | [11902, 8309]  |
| 2780 | [4677, 4678] | 5853 | [8297, 4909] | 8926 | [5966, 10270]  | 11999 | [11310, 4836]  |
| 2781 | [3580, 4679] | 5854 | [8298, 3698] | 8927 | [2290, 10753]  | 12000 | [9325, 4097]   |
| 2782 | [969, 1304]  | 5855 | [7838, 1626] | 8928 | [10754, 2628]  | 12001 | [1569, 283]    |
| 2783 | [4680, 1395] | 5856 | [4336, 8299] | 8929 | [10755, 10756] | 12002 | [1610, 4169]   |
| 2784 | [4681, 4682] | 5857 | [7832, 8300] | 8930 | [1998, 10757]  | 12003 | [8938, 12232]  |
| 2785 | [1421, 1483] | 5858 | [8301, 4121] | 8931 | [10758, 1888]  | 12004 | [1330, 12233]  |
| 2786 | [4683, 4684] | 5859 | [8302, 4628] | 8932 | [2816, 10759]  | 12005 | [8598, 3400]   |
| 2787 | [4685, 1161] | 5860 | [8303, 8304] | 8933 | [10760, 2813]  | 12006 | [8635, 1472]   |
| 2788 | [3964, 3846] | 5861 | [5017, 3844] | 8934 | [10761, 2123]  | 12007 | [9328, 297]    |
| 2789 | [4456, 4686] | 5862 | [8090, 8305] | 8935 | [7329, 5213]   | 12008 | [11378, 5155]  |
| 2790 | [4642, 4687] | 5863 | [8306, 8240] | 8936 | [7109, 10762]  | 12009 | [12222, 12234] |
| 2791 | [4688, 4689] | 5864 | [8307, 8308] | 8937 | [890, 870]     | 12010 | [8423, 7925]   |
| 2792 | [3683, 4690] | 5865 | [8309, 8310] | 8938 | [10763, 10171] | 12011 | [12235, 12236] |
| 2793 | [4691, 4692] | 5866 | [8311, 8312] | 8939 | [6986, 5592]   | 12012 | [3403, 3436]   |
| 2794 | [4693, 4694] | 5867 | [5033, 3695] | 8940 | [10764, 170]   | 12013 | [7661, 1566]   |
| 2795 | [3430, 1057] | 5868 | [8313, 8314] | 8941 | [10765, 10766] | 12014 | [8383, 12237]  |
| 2796 | [4695, 4696] | 5869 | [3780, 1235] | 8942 | [10767, 10768] | 12015 | [11887, 5102]  |
| 2797 | [4033, 3833] | 5870 | [8315, 4349] | 8943 | [3037, 7512]   | 12016 | [12238, 8148]  |
| 2798 | [1415, 4697] | 5871 | [3919, 1112] | 8944 | [10769, 9847]  | 12017 | [4585, 1629]   |
| 2799 | [4698, 4630] | 5872 | [8316, 8239] | 8945 | [6186, 5868]   | 12018 | [9049, 1706]   |
| 2800 | [4699, 4700] | 5873 | [3203, 8067] | 8946 | [215, 10770]   | 12019 | [11521, 8187]  |
| 2801 | [4701, 4702] | 5874 | [4761, 8317] | 8947 | [10739, 1977]  | 12020 | [8178, 12239]  |
| 2802 | [4703, 4704] | 5875 | [8318, 4952] | 8948 | [10746, 10771] | 12021 | [1528, 4944]   |
| 2803 | [4293, 997]  | 5876 | [8319, 8320] | 8949 | [5914, 6158]   | 12022 | [3998, 7895]   |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2804 | [4705, 4706] | 5877 | [8321, 4375] | 8950 | [10772, 844]   | 12023 | [11712, 3229]  |
| 2805 | [4707, 4708] | 5878 | [3710, 310]  | 8951 | [10773, 10730] | 12024 | [7733, 8823]   |
| 2806 | [4709, 4710] | 5879 | [8322, 1295] | 8952 | [9774, 6086]   | 12025 | [8022, 3387]   |
| 2807 | [4711, 4712] | 5880 | [8323, 8324] | 8953 | [10774, 2191]  | 12026 | [12240, 12241] |
| 2808 | [3834, 4713] | 5881 | [4031, 1428] | 8954 | [6567, 10775]  | 12027 | [9427, 4872]   |
| 2809 | [4714, 4715] | 5882 | [4063, 8325] | 8955 | [136, 10776]   | 12028 | [8499, 261]    |
| 2810 | [4716, 4717] | 5883 | [3746, 3836] | 8956 | [6022, 933]    | 12029 | [8709, 1065]   |
| 2811 | [4718, 4719] | 5884 | [8326, 7938] | 8957 | [10777, 5658]  | 12030 | [3320, 3554]   |
| 2812 | [4720, 3847] | 5885 | [8327, 1481] | 8958 | [10778, 7294]  | 12031 | [8023, 5108]   |
| 2813 | [4721, 1373] | 5886 | [7557, 7771] | 8959 | [6360, 10779]  | 12032 | [8802, 7941]   |
| 2814 | [4722, 3549] | 5887 | [8328, 8329] | 8960 | [6679, 2197]   | 12033 | [9373, 12242]  |
| 2815 | [4723, 4724] | 5888 | [8330, 7995] | 8961 | [7127, 10780]  | 12034 | [8425, 12243]  |
| 2816 | [4725, 4726] | 5889 | [8331, 4577] | 8962 | [9745, 10206]  | 12035 | [8267, 7646]   |
| 2817 | [4727, 4728] | 5890 | [8056, 8332] | 8963 | [10781, 10782] | 12036 | [9278, 12244]  |
| 2818 | [4729, 4725] | 5891 | [5038, 8333] | 8964 | [2084, 7306]   | 12037 | [9141, 3769]   |
| 2819 | [3892, 3908] | 5892 | [8334, 8335] | 8965 | [206, 10783]   | 12038 | [11563, 9490]  |
| 2820 | [4604, 4730] | 5893 | [8336, 982]  | 8966 | [10784, 10052] | 12039 | [8371, 12245]  |
| 2821 | [4048, 4731] | 5894 | [8337, 1565] | 8967 | [10100, 9756]  | 12040 | [11854, 4548]  |
| 2822 | [4732, 4733] | 5895 | [8338, 7804] | 8968 | [10785, 9685]  | 12041 | [11328, 12246] |
| 2823 | [1725, 3821] | 5896 | [8339, 8340] | 8969 | [9883, 6522]   | 12042 | [9026, 12247]  |
| 2824 | [4734, 4735] | 5897 | [8341, 1806] | 8970 | [10786, 2493]  | 12043 | [4060, 3992]   |
| 2825 | [4736, 1188] | 5898 | [8342, 3555] | 8971 | [38, 5667]     | 12044 | [7552, 1551]   |
| 2826 | [4375, 4737] | 5899 | [4236, 3509] | 8972 | [10787, 521]   | 12045 | [7883, 12248]  |
| 2827 | [4738, 4739] | 5900 | [8343, 8344] | 8973 | [10735, 2377]  | 12046 | [7883, 8365]   |
| 2828 | [4740, 4741] | 5901 | [8345, 8346] | 8974 | [6296, 2625]   | 12047 | [9426, 4430]   |
| 2829 | [3726, 1219] | 5902 | [4376, 8017] | 8975 | [6650, 6231]   | 12048 | [8155, 7872]   |
| 2830 | [4742, 4743] | 5903 | [8347, 8348] | 8976 | [569, 10576]   | 12049 | [12249, 12250] |
| 2831 | [252, 1069]  | 5904 | [399, 8349]  | 8977 | [6336, 10638]  | 12050 | [11893, 1578]  |
| 2832 | [4744, 4426] | 5905 | [8350, 8351] | 8978 | [10788, 2691]  | 12051 | [1012, 12251]  |
| 2833 | [4745, 4746] | 5906 | [8352, 5070] | 8979 | [1926, 7067]   | 12052 | [4461, 1400]   |
| 2834 | [1523, 4747] | 5907 | [7919, 8353] | 8980 | [10340, 10789] | 12053 | [398, 9554]    |
| 2835 | [4748, 4749] | 5908 | [487, 8354]  | 8981 | [10324, 10790] | 12054 | [8833, 4301]   |
| 2836 | [4750, 1674] | 5909 | [8355, 8356] | 8982 | [10791, 2449]  | 12055 | [4568, 1547]   |
| 2837 | [3506, 4751] | 5910 | [1275, 3226] | 8983 | [10792, 10793] | 12056 | [11727, 1197]  |
| 2838 | [4, 4752]    | 5911 | [8357, 8358] | 8984 | [10794, 6198]  | 12057 | [343, 12252]   |
| 2839 | [1520, 1707] | 5912 | [8359, 8360] | 8985 | [10039, 570]   | 12058 | [11432, 303]   |
| 2840 | [1018, 4753] | 5913 | [8361, 8362] | 8986 | [10007, 6651]  | 12059 | [11901, 8668]  |
| 2841 | [4754, 1211] | 5914 | [8363, 1169] | 8987 | [10795, 2806]  | 12060 | [93, 4172]     |
| 2842 | [4755, 4756] | 5915 | [8364, 8365] | 8988 | [7473, 919]    | 12061 | [8720, 3924]   |
| 2843 | [4642, 4757] | 5916 | [8171, 8366] | 8989 | [10796, 6277]  | 12062 | [11875, 4638]  |
| 2844 | [4758, 4759] | 5917 | [4960, 3800] | 8990 | [10797, 10798] | 12063 | [4664, 3420]   |
| 2845 | [4760, 4761] | 5918 | [7849, 4411] | 8991 | [921, 7310]    | 12064 | [4145, 12253]  |
| 2846 | [4762, 4763] | 5919 | [1306, 8367] | 8992 | [10799, 2436]  | 12065 | [11518, 3500]  |
| 2847 | [4764, 4007] | 5920 | [3918, 1465] | 8993 | [10800, 5979]  | 12066 | [9382, 9382]   |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2848 | [4191, 4104] | 5921 | [4073, 8368] | 8994 | [10801, 10802] | 12067 | [12254, 12255] |
| 2849 | [384, 4765]  | 5922 | [4812, 3295] | 8995 | [1857, 10803]  | 12068 | [11506, 9455]  |
| 2850 | [4766, 1004] | 5923 | [8369, 8370] | 8996 | [10804, 5960]  | 12069 | [11841, 8470]  |
| 2851 | [4767, 4768] | 5924 | [8371, 8372] | 8997 | [10805, 10806] | 12070 | [1639, 1523]   |
| 2852 | [4769, 4770] | 5925 | [1028, 1122] | 8998 | [10021, 1991]  | 12071 | [1666, 7611]   |
| 2853 | [4548, 1247] | 5926 | [8373, 8374] | 8999 | [6814, 10807]  | 12072 | [12256, 4883]  |
| 2854 | [4771, 4235] | 5927 | [8375, 1073] | 9000 | [6159, 2445]   | 12073 | [1704, 3672]   |
| 2855 | [4772, 4383] | 5928 | [3326, 3716] | 9001 | [3065, 2040]   | 12074 | [11645, 3395]  |
| 2856 | [4773, 4396] | 5929 | [8136, 3937] | 9002 | [2135, 10808]  | 12075 | [11860, 1745]  |
| 2857 | [1492, 4630] | 5930 | [84, 8376]   | 9003 | [10809, 2527]  | 12076 | [3800, 1350]   |
| 2858 | [4774, 4775] | 5931 | [335, 8377]  | 9004 | [10810, 10811] | 12077 | [11277, 3288]  |
| 2859 | [4776, 4777] | 5932 | [328, 5056]  | 9005 | [7357, 10812]  | 12078 | [12249, 7862]  |
| 2860 | [4778, 4779] | 5933 | [3366, 4364] | 9006 | [10813, 9807]  | 12079 | [4045, 12257]  |
| 2861 | [3744, 3552] | 5934 | [3255, 3230] | 9007 | [9866, 10104]  | 12080 | [8843, 5186]   |
| 2862 | [4780, 4781] | 5935 | [8378, 3563] | 9008 | [7349, 6842]   | 12081 | [1635, 8221]   |
| 2863 | [4782, 4783] | 5936 | [8379, 1363] | 9009 | [10814, 10815] | 12082 | [8484, 12258]  |
| 2864 | [4784, 4785] | 5937 | [8380, 8381] | 9010 | [1982, 10359]  | 12083 | [11447, 8800]  |
| 2865 | [1723, 4708] | 5938 | [3915, 8382] | 9011 | [10816, 5831]  | 12084 | [4248, 12259]  |
| 2866 | [4786, 1580] | 5939 | [8383, 314]  | 9012 | [6138, 10817]  | 12085 | [8068, 5059]   |
| 2867 | [4787, 1431] | 5940 | [8384, 3959] | 9013 | [787, 5304]    | 12086 | [11199, 9643]  |
| 2868 | [4788, 4789] | 5941 | [8385, 8114] | 9014 | [10818, 640]   | 12087 | [4455, 4999]   |
| 2869 | [4790, 4791] | 5942 | [3947, 3374] | 9015 | [10819, 9849]  | 12088 | [1487, 12260]  |
| 2870 | [4697, 4792] | 5943 | [4876, 8386] | 9016 | [10820, 10052] | 12089 | [1112, 389]    |
| 2871 | [4793, 4794] | 5944 | [4793, 299]  | 9017 | [6858, 9708]   | 12090 | [8098, 12261]  |
| 2872 | [4795, 4217] | 5945 | [3546, 4233] | 9018 | [7064, 10821]  | 12091 | [8648, 12262]  |
| 2873 | [4796, 4797] | 5946 | [4943, 8387] | 9019 | [3009, 2706]   | 12092 | [5110, 4356]   |
| 2874 | [1566, 4157] | 5947 | [8388, 387]  | 9020 | [10822, 10259] | 12093 | [1652, 3843]   |
| 2875 | [4798, 4799] | 5948 | [8389, 7899] | 9021 | [2731, 2244]   | 12094 | [1401, 1371]   |
| 2876 | [4800, 4678] | 5949 | [8390, 8391] | 9022 | [10823, 594]   | 12095 | [4816, 12263]  |
| 2877 | [4536, 4801] | 5950 | [3852, 4301] | 9023 | [9950, 2012]   | 12096 | [116, 4578]    |
| 2878 | [4009, 3816] | 5951 | [8392, 4902] | 9024 | [10824, 5894]  | 12097 | [11415, 12264] |
| 2879 | [4802, 4803] | 5952 | [8393, 8394] | 9025 | [6200, 7066]   | 12098 | [3319, 3722]   |
| 2880 | [4436, 4804] | 5953 | [1714, 3648] | 9026 | [10825, 7205]  | 12099 | [408, 1774]    |
| 2881 | [4805, 4806] | 5954 | [4808, 8395] | 9027 | [10826, 9650]  | 12100 | [11785, 8562]  |
| 2882 | [4807, 4808] | 5955 | [8396, 8397] | 9028 | [2093, 5573]   | 12101 | [1678, 12265]  |
| 2883 | [4809, 4810] | 5956 | [3967, 3936] | 9029 | [10646, 6274]  | 12102 | [11490, 4518]  |
| 2884 | [4811, 4812] | 5957 | [8398, 8399] | 9030 | [2492, 10827]  | 12103 | [490, 12266]   |
| 2885 | [4813, 4227] | 5958 | [8180, 4561] | 9031 | [10556, 2273]  | 12104 | [11543, 1673]  |
| 2886 | [4814, 4815] | 5959 | [3532, 8139] | 9032 | [9822, 6296]   | 12105 | [1790, 7799]   |
| 2887 | [4816, 4817] | 5960 | [8400, 3544] | 9033 | [10417, 5659]  | 12106 | [11524, 3857]  |
| 2888 | [4818, 992]  | 5961 | [8401, 7755] | 9034 | [10828, 562]   | 12107 | [9076, 12267]  |
| 2889 | [4819, 4820] | 5962 | [4708, 1042] | 9035 | [5316, 7146]   | 12108 | [4828, 3217]   |
| 2890 | [4821, 4822] | 5963 | [8402, 8403] | 9036 | [2298, 10829]  | 12109 | [11805, 3956]  |
| 2891 | [4823, 1227] | 5964 | [3891, 3907] | 9037 | [2706, 10830]  | 12110 | [11905, 12268] |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2892 | [4824, 4825] | 5965 | [8404, 4590] | 9038 | [740, 1836]    | 12111 | [9599, 7552]   |
| 2893 | [4826, 4827] | 5966 | [8405, 3220] | 9039 | [10831, 2860]  | 12112 | [4540, 12269]  |
| 2894 | [4828, 1436] | 5967 | [8406, 8407] | 9040 | [7117, 2076]   | 12113 | [11450, 12270] |
| 2895 | [4829, 3814] | 5968 | [8408, 4681] | 9041 | [5426, 37]     | 12114 | [9564, 9389]   |
| 2896 | [4555, 4830] | 5969 | [8409, 8410] | 9042 | [5455, 6969]   | 12115 | [8003, 8160]   |
| 2897 | [4361, 4831] | 5970 | [8411, 1606] | 9043 | [7489, 5613]   | 12116 | [454, 12271]   |
| 2898 | [4832, 4833] | 5971 | [1362, 8412] | 9044 | [1852, 10832]  | 12117 | [9610, 1441]   |
| 2899 | [4834, 74]   | 5972 | [3627, 8413] | 9045 | [10082, 7405]  | 12118 | [8753, 9184]   |
| 2900 | [3308, 346]  | 5973 | [8414, 1758] | 9046 | [2608, 5511]   | 12119 | [11769, 12272] |
| 2901 | [4835, 4836] | 5974 | [8415, 5143] | 9047 | [10833, 10834] | 12120 | [1740, 7901]   |
| 2902 | [464, 3455]  | 5975 | [1763, 8416] | 9048 | [10835, 10836] | 12121 | [7954, 8115]   |
| 2903 | [4837, 3844] | 5976 | [8417, 4230] | 9049 | [10837, 10838] | 12122 | [9562, 12273]  |
| 2904 | [3867, 4838] | 5977 | [4983, 3801] | 9050 | [7411, 6381]   | 12123 | [9431, 8763]   |
| 2905 | [4839, 4840] | 5978 | [106, 1344]  | 9051 | [10839, 10478] | 12124 | [11834, 11244] |
| 2906 | [1242, 4841] | 5979 | [8418, 4427] | 9052 | [2392, 2595]   | 12125 | [11597, 9056]  |
| 2907 | [4387, 4842] | 5980 | [8419, 8420] | 9053 | [10840, 10841] | 12126 | [1273, 8512]   |
| 2908 | [4843, 4844] | 5981 | [8421, 8422] | 9054 | [10842, 10283] | 12127 | [11315, 7984]  |
| 2909 | [1129, 3510] | 5982 | [8270, 4020] | 9055 | [6417, 3156]   | 12128 | [8413, 986]    |
| 2910 | [4845, 4846] | 5983 | [451, 8300]  | 9056 | [569, 901]     | 12129 | [8151, 12274]  |
| 2911 | [4847, 3527] | 5984 | [8423, 8424] | 9057 | [10843, 6944]  | 12130 | [11461, 3499]  |
| 2912 | [4848, 4849] | 5985 | [8425, 7641] | 9058 | [10844, 5252]  | 12131 | [8891, 4924]   |
| 2913 | [4850, 4851] | 5986 | [3801, 5050] | 9059 | [5840, 953]    | 12132 | [7987, 3574]   |
| 2914 | [4852, 4853] | 5987 | [1353, 8426] | 9060 | [6001, 10265]  | 12133 | [11851, 4094]  |
| 2915 | [4854, 1451] | 5988 | [4764, 8427] | 9061 | [10845, 5521]  | 12134 | [5041, 12275]  |
| 2916 | [1535, 4855] | 5989 | [8428, 4615] | 9062 | [10846, 10847] | 12135 | [3821, 1302]   |
| 2917 | [4856, 4857] | 5990 | [1813, 8429] | 9063 | [10848, 654]   | 12136 | [9516, 3862]   |
| 2918 | [4858, 4859] | 5991 | [8430, 4168] | 9064 | [10849, 9716]  | 12137 | [9125, 7664]   |
| 2919 | [1590, 4860] | 5992 | [8431, 8432] | 9065 | [2838, 831]    | 12138 | [7893, 8618]   |
| 2920 | [4861, 3267] | 5993 | [968, 4397]  | 9066 | [10850, 2146]  | 12139 | [9533, 9205]   |
| 2921 | [4862, 1398] | 5994 | [8433, 391]  | 9067 | [10123, 5329]  | 12140 | [1521, 12276]  |
| 2922 | [4863, 436]  | 5995 | [7906, 3467] | 9068 | [5945, 2092]   | 12141 | [11194, 8213]  |
| 2923 | [4864, 4865] | 5996 | [8434, 8435] | 9069 | [10851, 10852] | 12142 | [11581, 7951]  |
| 2924 | [4866, 3953] | 5997 | [8436, 8437] | 9070 | [6105, 6030]   | 12143 | [3233, 4857]   |
| 2925 | [4867, 3492] | 5998 | [8438, 1176] | 9071 | [10853, 9800]  | 12144 | [12254, 7569]  |
| 2926 | [4868, 4869] | 5999 | [8316, 8439] | 9072 | [2654, 722]    | 12145 | [9449, 319]    |
| 2927 | [4870, 3738] | 6000 | [268, 1361]  | 9073 | [2660, 2660]   | 12146 | [3808, 1558]   |
| 2928 | [4871, 4872] | 6001 | [1367, 8440] | 9074 | [2651, 5492]   | 12147 | [4614, 12277]  |
| 2929 | [4873, 4046] | 6002 | [8441, 8442] | 9075 | [10230, 2886]  | 12148 | [11662, 3798]  |
| 2930 | [4874, 3979] | 6003 | [8443, 8444] | 9076 | [10162, 668]   | 12149 | [73, 8161]     |
| 2931 | [4875, 4876] | 6004 | [8445, 4994] | 9077 | [10211, 5256]  | 12150 | [12235, 9299]  |
| 2932 | [1804, 4877] | 6005 | [8446, 3976] | 9078 | [10854, 2399]  | 12151 | [8382, 4947]   |
| 2933 | [4878, 1764] | 6006 | [8447, 3564] | 9079 | [500, 5644]    | 12152 | [4884, 4941]   |
| 2934 | [4879, 4880] | 6007 | [1045, 4088] | 9080 | [10855, 1995]  | 12153 | [3883, 4215]   |
| 2935 | [4881, 4882] | 6008 | [8448, 4385] | 9081 | [685, 2884]    | 12154 | [9566, 3645]   |

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|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2936 | [4883, 4884] | 6009 | [8449, 1509] | 9082 | [2459, 6316]   | 12155 | [3977, 12278]  |
| 2937 | [4885, 4886] | 6010 | [8450, 8451] | 9083 | [7096, 5996]   | 12156 | [11927, 1709]  |
| 2938 | [4887, 4888] | 6011 | [4383, 7639] | 9084 | [2811, 10856]  | 12157 | [12256, 3691]  |
| 2939 | [275, 4853]  | 6012 | [4902, 309]  | 9085 | [777, 2912]    | 12158 | [1259, 4761]   |
| 2940 | [1662, 4889] | 6013 | [8452, 8453] | 9086 | [10857, 6008]  | 12159 | [11611, 7932]  |
| 2941 | [3468, 4175] | 6014 | [4065, 1204] | 9087 | [10858, 5953]  | 12160 | [5134, 4503]   |
| 2942 | [4890, 4891] | 6015 | [8454, 8455] | 9088 | [10859, 10860] | 12161 | [18, 3355]     |
| 2943 | [1729, 4892] | 6016 | [3405, 1323] | 9089 | [2015, 604]    | 12162 | [1661, 9294]   |
| 2944 | [4893, 4894] | 6017 | [7985, 3954] | 9090 | [10861, 5759]  | 12163 | [8854, 5197]   |
| 2945 | [4895, 4896] | 6018 | [4346, 7844] | 9091 | [5995, 9898]   | 12164 | [11863, 8535]  |
| 2946 | [4897, 4898] | 6019 | [8456, 8457] | 9092 | [5439, 2818]   | 12165 | [11525, 4566]  |
| 2947 | [4899, 4900] | 6020 | [8458, 7608] | 9093 | [10862, 10863] | 12166 | [8482, 453]    |
| 2948 | [4901, 4902] | 6021 | [973, 8459]  | 9094 | [2048, 10864]  | 12167 | [8609, 12279]  |
| 2949 | [1144, 1746] | 6022 | [8460, 456]  | 9095 | [10859, 9703]  | 12168 | [327, 1633]    |
| 2950 | [4803, 4903] | 6023 | [7918, 8461] | 9096 | [6863, 10865]  | 12169 | [11833, 1022]  |
| 2951 | [4904, 996]  | 6024 | [3261, 8462] | 9097 | [6414, 5206]   | 12170 | [11278, 12280] |
| 2952 | [64, 4905]   | 6025 | [3766, 4662] | 9098 | [5640, 10866]  | 12171 | [7790, 9189]   |
| 2953 | [4906, 4907] | 6026 | [4281, 3941] | 9099 | [10867, 10868] | 12172 | [11714, 3974]  |
| 2954 | [4908, 4909] | 6027 | [8463, 1390] | 9100 | [6592, 6121]   | 12173 | [1345, 462]    |
| 2955 | [4910, 4911] | 6028 | [8464, 5077] | 9101 | [2088, 5963]   | 12174 | [11722, 12281] |
| 2956 | [4912, 4086] | 6029 | [8465, 3996] | 9102 | [5542, 9686]   | 12175 | [8407, 4236]   |
| 2957 | [4400, 4913] | 6030 | [8466, 4097] | 9103 | [6904, 176]    | 12176 | [8767, 446]    |
| 2958 | [4914, 1820] | 6031 | [8467, 8468] | 9104 | [5760, 2869]   | 12177 | [3214, 3740]   |
| 2959 | [4915, 4916] | 6032 | [8469, 4533] | 9105 | [628, 2962]    | 12178 | [11613, 11429] |
| 2960 | [4917, 4205] | 6033 | [453, 5039]  | 9106 | [6562, 6286]   | 12179 | [12238, 4444]  |
| 2961 | [4918, 401]  | 6034 | [8470, 4561] | 9107 | [3060, 6273]   | 12180 | [7955, 12282]  |
| 2962 | [4919, 4920] | 6035 | [8471, 3967] | 9108 | [10869, 7392]  | 12181 | [9563, 4239]   |
| 2963 | [4921, 4922] | 6036 | [8472, 8473] | 9109 | [7258, 10870]  | 12182 | [11739, 1788]  |
| 2964 | [4923, 4394] | 6037 | [3724, 1086] | 9110 | [5326, 7106]   | 12183 | [11795, 9582]  |
| 2965 | [1305, 4245] | 6038 | [8474, 4621] | 9111 | [6735, 10871]  | 12184 | [8418, 7610]   |
| 2966 | [4924, 4925] | 6039 | [8475, 3617] | 9112 | [10872, 2483]  | 12185 | [8399, 1283]   |
| 2967 | [4926, 76]   | 6040 | [8476, 7916] | 9113 | [6807, 1824]   | 12186 | [1484, 1594]   |
| 2968 | [4927, 1279] | 6041 | [1751, 1819] | 9114 | [7081, 7311]   | 12187 | [8243, 8138]   |
| 2969 | [4928, 4929] | 6042 | [8477, 8478] | 9115 | [9875, 7230]   | 12188 | [9227, 1674]   |
| 2970 | [4930, 4931] | 6043 | [3874, 8479] | 9116 | [9728, 6813]   | 12189 | [12240, 9350]  |
| 2971 | [4932, 4933] | 6044 | [8480, 8481] | 9117 | [5270, 7374]   | 12190 | [7715, 9459]   |
| 2972 | [4934, 4935] | 6045 | [7981, 8038] | 9118 | [10873, 5362]  | 12191 | [5073, 1343]   |
| 2973 | [4936, 4937] | 6046 | [8482, 5038] | 9119 | [2754, 2842]   | 12192 | [11723, 415]   |
| 2974 | [4938, 4939] | 6047 | [4923, 4720] | 9120 | [10874, 10875] | 12193 | [8533, 12283]  |
| 2975 | [4940, 4941] | 6048 | [4463, 8483] | 9121 | [10876, 6908]  | 12194 | [9334, 1704]   |
| 2976 | [4942, 4943] | 6049 | [8484, 8485] | 9122 | [10707, 2891]  | 12195 | [8775, 7698]   |
| 2977 | [4944, 4945] | 6050 | [7957, 8219] | 9123 | [10877, 10878] | 12196 | [3723, 471]    |
| 2978 | [4946, 1633] | 6051 | [4113, 8486] | 9124 | [942, 10879]   | 12197 | [7537, 7814]   |
| 2979 | [3916, 4947] | 6052 | [5106, 8487] | 9125 | [3079, 9996]   | 12198 | [8384, 5128]   |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 2980 | [1484, 1692] | 6053 | [8488, 5033] | 9126 | [10880, 2802]  | 12199 | [4765, 3236]   |
| 2981 | [4948, 3939] | 6054 | [8489, 7956] | 9127 | [754, 2551]    | 12200 | [1326, 11202]  |
| 2982 | [4949, 4950] | 6055 | [1195, 8490] | 9128 | [817, 10881]   | 12201 | [4108, 1232]   |
| 2983 | [4951, 4952] | 6056 | [3746, 1225] | 9129 | [7117, 6378]   | 12202 | [5042, 3413]   |
| 2984 | [3605, 1295] | 6057 | [8491, 8022] | 9130 | [6311, 851]    | 12203 | [7876, 1619]   |
| 2985 | [4953, 4954] | 6058 | [8254, 8492] | 9131 | [7167, 10882]  | 12204 | [7954, 4830]   |
| 2986 | [4955, 4956] | 6059 | [8493, 7870] | 9132 | [6263, 10474]  | 12205 | [1097, 9029]   |
| 2987 | [4169, 1438] | 6060 | [8494, 8495] | 9133 | [6241, 242]    | 12206 | [8778, 4700]   |
| 2988 | [4957, 985]  | 6061 | [8496, 5158] | 9134 | [10468, 5222]  | 12207 | [11871, 3654]  |
| 2989 | [4958, 3268] | 6062 | [8497, 8498] | 9135 | [9970, 2390]   | 12208 | [1743, 3872]   |
| 2990 | [4959, 4960] | 6063 | [8499, 8500] | 9136 | [9715, 10883]  | 12209 | [11708, 3594]  |
| 2991 | [4237, 3826] | 6064 | [8501, 8502] | 9137 | [10884, 10885] | 12210 | [9217, 1688]   |
| 2992 | [4961, 1685] | 6065 | [4220, 8503] | 9138 | [10886, 39]    | 12211 | [4845, 1367]   |
| 2993 | [1207, 1110] | 6066 | [8504, 4901] | 9139 | [10887, 2698]  | 12212 | [9027, 1413]   |
| 2994 | [4948, 306]  | 6067 | [3534, 8505] | 9140 | [10888, 9756]  | 12213 | [8892, 1305]   |
| 2995 | [4962, 4963] | 6068 | [4640, 3356] | 9141 | [10889, 7391]  | 12214 | [9149, 3285]   |
| 2996 | [972, 1563]  | 6069 | [8472, 7736] | 9142 | [7523, 7342]   | 12215 | [8369, 4310]   |
| 2997 | [4964, 4965] | 6070 | [5015, 5107] | 9143 | [10750, 2458]  | 12216 | [10502, 5503]  |
| 2998 | [4463, 4966] | 6071 | [5091, 3750] | 9144 | [5869, 10890]  | 12217 | [10366, 5395]  |
| 2999 | [4967, 4968] | 6072 | [4975, 8290] | 9145 | [6242, 7188]   | 12218 | [6305, 5767]   |
| 3000 | [4969, 4970] | 6073 | [8506, 8507] | 9146 | [10891, 10181] | 12219 | [2564, 2968]   |
| 3001 | [4971, 1591] | 6074 | [3545, 8508] | 9147 | [505, 9855]    | 12220 | [12187, 5714]  |
| 3002 | [4972, 1220] | 6075 | [8509, 4746] | 9148 | [10892, 2190]  | 12221 | [9956, 2616]   |
| 3003 | [4973, 3676] | 6076 | [3725, 1218] | 9149 | [5417, 2764]   | 12222 | [11159, 6903]  |
| 3004 | [102, 4974]  | 6077 | [8510, 1138] | 9150 | [10893, 10894] | 12223 | [12201, 6241]  |
| 3005 | [4975, 4976] | 6078 | [3510, 7652] | 9151 | [5921, 2759]   | 12224 | [2837, 830]    |
| 3006 | [1781, 4977] | 6079 | [8511, 4922] | 9152 | [10895, 5447]  | 12225 | [12101, 7399]  |
| 3007 | [4978, 4979] | 6080 | [8512, 8513] | 9153 | [6925, 1955]   | 12226 | [7147, 859]    |
| 3008 | [4980, 1271] | 6081 | [4118, 8514] | 9154 | [910, 2822]    | 12227 | [10685, 5242]  |
| 3009 | [967, 4576]  | 6082 | [986, 3953]  | 9155 | [5740, 7423]   | 12228 | [10826, 2954]  |
| 3010 | [4950, 3465] | 6083 | [8515, 7747] | 9156 | [9926, 10896]  | 12229 | [9786, 218]    |
| 3011 | [4981, 4982] | 6084 | [4646, 8516] | 9157 | [10897, 7395]  | 12230 | [6052, 7285]   |
| 3012 | [4983, 4984] | 6085 | [8517, 8518] | 9158 | [10898, 9852]  | 12231 | [12136, 2224]  |
| 3013 | [4985, 4986] | 6086 | [8519, 8520] | 9159 | [2708, 2797]   | 12232 | [7308, 2576]   |
| 3014 | [4987, 4661] | 6087 | [8521, 8522] | 9160 | [10899, 10900] | 12233 | [5532, 10154]  |
| 3015 | [4988, 4989] | 6088 | [8523, 8271] | 9161 | [10901, 10902] | 12234 | [12097, 10398] |
| 3016 | [4280, 4990] | 6089 | [5200, 8181] | 9162 | [10460, 2363]  | 12235 | [5904, 12284]  |
| 3017 | [1256, 4991] | 6090 | [8524, 4118] | 9163 | [10648, 2640]  | 12236 | [10640, 6664]  |
| 3018 | [3369, 4992] | 6091 | [8525, 8526] | 9164 | [10903, 10904] | 12237 | [11082, 711]   |
| 3019 | [4993, 4994] | 6092 | [8527, 8294] | 9165 | [10789, 5986]  | 12238 | [219, 12285]   |
| 3020 | [4995, 4996] | 6093 | [8528, 1115] | 9166 | [10905, 685]   | 12239 | [10680, 596]   |
| 3021 | [4997, 392]  | 6094 | [8529, 3269] | 9167 | [10711, 3037]  | 12240 | [7320, 12286]  |
| 3022 | [4753, 1223] | 6095 | [8530, 1280] | 9168 | [2876, 10906]  | 12241 | [9885, 9910]   |
| 3023 | [4998, 3729] | 6096 | [1276, 8531] | 9169 | [5971, 3003]   | 12242 | [7069, 11940]  |

|      |              |      |              |      |                |       |                |
|------|--------------|------|--------------|------|----------------|-------|----------------|
| 3024 | [4998, 15]   | 6097 | [8185, 449]  | 9170 | [9805, 7044]   | 12243 | [6884, 6640]   |
| 3025 | [3539, 4999] | 6098 | [8532, 8375] | 9171 | [10907, 2]     | 12244 | [5844, 6528]   |
| 3026 | [3540, 3906] | 6099 | [8216, 8283] | 9172 | [9951, 5493]   | 12245 | [7217, 10174]  |
| 3027 | [5000, 3651] | 6100 | [8533, 5175] | 9173 | [6202, 6540]   | 12246 | [10500, 6045]  |
| 3028 | [5001, 383]  | 6101 | [7825, 8534] | 9174 | [3051, 10908]  | 12247 | [12161, 1905]  |
| 3029 | [4103, 5002] | 6102 | [4451, 4743] | 9175 | [10523, 5513]  | 12248 | [10368, 3112]  |
| 3030 | [5003, 477]  | 6103 | [8535, 8216] | 9176 | [10909, 10910] | 12249 | [11142, 12287] |
| 3031 | [3527, 4526] | 6104 | [8536, 4898] | 9177 | [5483, 10495]  | 12250 | [12034, 11040] |
| 3032 | [1663, 3668] | 6105 | [8537, 4095] | 9178 | [6020, 10911]  | 12251 | [10195, 9925]  |
| 3033 | [5004, 5005] | 6106 | [8538, 1480] | 9179 | [10912, 10913] | 12252 | [10846, 10080] |
| 3034 | [1219, 5006] | 6107 | [7755, 1513] | 9180 | [10914, 6411]  | 12253 | [5570, 6752]   |
| 3035 | [1217, 5007] | 6108 | [1786, 4722] | 9181 | [10915, 2519]  | 12254 | [902, 12288]   |
| 3036 | [1543, 1375] | 6109 | [8539, 8540] | 9182 | [10916, 5515]  | 12255 | [7107, 10931]  |
| 3037 | [4726, 1499] | 6110 | [8541, 8066] | 9183 | [10438, 10357] | 12256 | [11002, 7221]  |
| 3038 | [5008, 439]  | 6111 | [3446, 1127] | 9184 | [10917, 10918] | 12257 | [5687, 10310]  |
| 3039 | [407, 1019]  | 6112 | [8542, 8543] | 9185 | [9867, 10105]  | 12258 | [744, 9989]    |
| 3040 | [5009, 5010] | 6113 | [300, 8544]  | 9186 | [3050, 5491]   | 12259 | [11946, 509]   |
| 3041 | [5011, 4942] | 6114 | [8375, 8545] | 9187 | [2650, 5492]   | 12260 | [5913, 6157]   |
| 3042 | [5012, 5013] | 6115 | [8546, 8547] | 9188 | [759, 754]     | 12261 | [2227, 6536]   |
| 3043 | [5014, 5015] | 6116 | [7736, 8019] | 9189 | [2553, 6840]   | 12262 | [10219, 6827]  |
| 3044 | [5016, 1013] | 6117 | [4842, 8548] | 9190 | [9776, 9776]   | 12263 | [10136, 12083] |
| 3045 | [488, 4000]  | 6118 | [3672, 1796] | 9191 | [6844, 6843]   | 12264 | [10907, 3048]  |
| 3046 | [4554, 4293] | 6119 | [4862, 8549] | 9192 | [755, 6698]    | 12265 | [6239, 2935]   |
| 3047 | [5017, 3693] | 6120 | [8550, 1756] | 9193 | [7349, 2662]   | 12266 | [11954, 6075]  |
| 3048 | [5018, 1084] | 6121 | [8551, 1421] | 9194 | [757, 3049]    | 12267 | [10672, 3065]  |
| 3049 | [5019, 5020] | 6122 | [8511, 8552] | 9195 | [5323, 196]    | 12268 | [2828, 12027]  |
| 3050 | [1459, 1456] | 6123 | [8553, 3494] | 9196 | [5321, 2654]   | 12269 | [2538, 9732]   |
| 3051 | [3846, 5021] | 6124 | [8554, 8335] | 9197 | [6840, 2549]   | 12270 | [956, 10878]   |
| 3052 | [5022, 5023] | 6125 | [8555, 3951] | 9198 | [6901, 5622]   | 12271 | [10339, 7417]  |
| 3053 | [3236, 3278] | 6126 | [8556, 7953] | 9199 | [10919, 7127]  | 12272 | [6874, 10281]  |
| 3054 | [5024, 4877] | 6127 | [1596, 3344] | 9200 | [9766, 2846]   | 12273 | [6587, 3083]   |
| 3055 | [1206, 4286] | 6128 | [8557, 3202] | 9201 | [10733, 2483]  | 12274 | [10450, 2152]  |
| 3056 | [5025, 4374] | 6129 | [8558, 1359] | 9202 | [10512, 5217]  | 12275 | [7229, 128]    |
| 3057 | [5026, 4151] | 6130 | [8559, 971]  | 9203 | [10920, 5553]  | 12276 | [6410, 6742]   |
| 3058 | [5027, 1440] | 6131 | [4181, 4379] | 9204 | [160, 5721]    | 12277 | [7409, 10577]  |
| 3059 | [5028, 5029] | 6132 | [8560, 3606] | 9205 | [6584, 5245]   | 12278 | [12051, 9842]  |
| 3060 | [5030, 5031] | 6133 | [5007, 4303] | 9206 | [6584, 2320]   | 12279 | [11102, 5746]  |
| 3061 | [361, 5032]  | 6134 | [8561, 8562] | 9207 | [5458, 10921]  | 12280 | [10441, 1970]  |
| 3062 | [3505, 5033] | 6135 | [8563, 7787] | 9208 | [170, 1878]    | 12281 | [12105, 2104]  |
| 3063 | [4606, 5034] | 6136 | [8564, 4070] | 9209 | [10582, 6991]  | 12282 | [6748, 6488]   |
| 3064 | [5035, 3575] | 6137 | [8565, 8566] | 9210 | [10562, 3067]  | 12283 | [11057, 5924]  |
| 3065 | [5036, 3577] | 6138 | [3748, 4740] | 9211 | [5723, 10922]  | 12284 | [11838, 1541]  |
| 3066 | [5037, 4028] | 6139 | [8567, 4382] | 9212 | [6817, 6838]   | 12285 | [3301, 1516]   |
| 3067 | [5038, 5039] | 6140 | [1012, 3970] | 9213 | [10190, 6638]  | 12286 | [11420, 8664]  |

|      |              |      |              |      |                |       |               |
|------|--------------|------|--------------|------|----------------|-------|---------------|
| 3068 | [5040, 5041] | 6141 | [8568, 7962] | 9214 | [10923, 10924] | 12287 | [4543, 4506]  |
| 3069 | [5042, 1333] | 6142 | [8569, 7536] | 9215 | [5313, 6854]   | 12288 | [11616, 3611] |
| 3070 | [5043, 5044] | 6143 | [8570, 1314] | 9216 | [1870, 6503]   |       |               |
| 3071 | [5045, 1485] | 6144 | [8571, 8234] | 9217 | [6522, 10925]  |       |               |
| 3072 | [5046, 4423] | 6145 | [1063, 8572] | 9218 | [10926, 10927] |       |               |

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

| $n$ | $\tau(n)$ | $n$  | $\tau(n)$ | $n$  | $\tau(n)$ | $n$  | $\tau(n)$ | $n$  | $\tau(n)$ | $n$   | $\tau(n)$ |
|-----|-----------|------|-----------|------|-----------|------|-----------|------|-----------|-------|-----------|
| 0   | 0         | 2049 | 1         | 4098 | 0         | 6147 | 1         | 8196 | 1         | 10245 | 1         |
| 1   | 0         | 2050 | 0         | 4099 | 0         | 6148 | 0         | 8197 | 0         | 10246 | 0         |
| 2   | 1         | 2051 | 0         | 4100 | 1         | 6149 | 1         | 8198 | 0         | 10247 | 0         |
| 3   | 0         | 2052 | 0         | 4101 | 1         | 6150 | 0         | 8199 | 0         | 10248 | 1         |
| 4   | 1         | 2053 | 0         | 4102 | 0         | 6151 | 1         | 8200 | 0         | 10249 | 0         |
| 5   | 1         | 2054 | 1         | 4103 | 1         | 6152 | 0         | 8201 | 1         | 10250 | 1         |
| 6   | 0         | 2055 | 1         | 4104 | 1         | 6153 | 1         | 8202 | 1         | 10251 | 1         |
| 7   | 0         | 2056 | 1         | 4105 | 0         | 6154 | 1         | 8203 | 0         | 10252 | 1         |
| 8   | 0         | 2057 | 1         | 4106 | 0         | 6155 | 1         | 8204 | 1         | 10253 | 1         |
| 9   | 1         | 2058 | 1         | 4107 | 0         | 6156 | 0         | 8205 | 0         | 10254 | 0         |
| 10  | 1         | 2059 | 0         | 4108 | 0         | 6157 | 1         | 8206 | 1         | 10255 | 1         |
| 11  | 1         | 2060 | 0         | 4109 | 0         | 6158 | 1         | 8207 | 0         | 10256 | 0         |
| 12  | 1         | 2061 | 1         | 4110 | 0         | 6159 | 0         | 8208 | 0         | 10257 | 1         |
| 13  | 0         | 2062 | 0         | 4111 | 1         | 6160 | 0         | 8209 | 0         | 10258 | 0         |
| 14  | 0         | 2063 | 1         | 4112 | 0         | 6161 | 0         | 8210 | 1         | 10259 | 0         |
| 15  | 0         | 2064 | 0         | 4113 | 1         | 6162 | 1         | 8211 | 0         | 10260 | 1         |
| 16  | 0         | 2065 | 0         | 4114 | 1         | 6163 | 0         | 8212 | 1         | 10261 | 0         |
| 17  | 0         | 2066 | 1         | 4115 | 0         | 6164 | 0         | 8213 | 1         | 10262 | 0         |
| 18  | 0         | 2067 | 0         | 4116 | 0         | 6165 | 1         | 8214 | 1         | 10263 | 1         |
| 19  | 1         | 2068 | 0         | 4117 | 0         | 6166 | 1         | 8215 | 0         | 10264 | 0         |
| 20  | 0         | 2069 | 1         | 4118 | 1         | 6167 | 0         | 8216 | 1         | 10265 | 1         |
| 21  | 1         | 2070 | 1         | 4119 | 0         | 6168 | 0         | 8217 | 0         | 10266 | 0         |
| 22  | 1         | 2071 | 0         | 4120 | 1         | 6169 | 1         | 8218 | 1         | 10267 | 1         |
| 23  | 1         | 2072 | 0         | 4121 | 1         | 6170 | 1         | 8219 | 1         | 10268 | 1         |
| 24  | 0         | 2073 | 0         | 4122 | 0         | 6171 | 0         | 8220 | 0         | 10269 | 1         |
| 25  | 1         | 2074 | 0         | 4123 | 1         | 6172 | 1         | 8221 | 0         | 10270 | 1         |
| 26  | 1         | 2075 | 0         | 4124 | 0         | 6173 | 1         | 8222 | 1         | 10271 | 1         |
| 27  | 0         | 2076 | 0         | 4125 | 1         | 6174 | 0         | 8223 | 0         | 10272 | 1         |
| 28  | 0         | 2077 | 0         | 4126 | 1         | 6175 | 1         | 8224 | 0         | 10273 | 1         |
| 29  | 0         | 2078 | 1         | 4127 | 0         | 6176 | 0         | 8225 | 0         | 10274 | 0         |
| 30  | 1         | 2079 | 0         | 4128 | 1         | 6177 | 0         | 8226 | 1         | 10275 | 0         |
| 31  | 0         | 2080 | 0         | 4129 | 0         | 6178 | 0         | 8227 | 1         | 10276 | 0         |
| 32  | 1         | 2081 | 0         | 4130 | 0         | 6179 | 0         | 8228 | 0         | 10277 | 1         |
| 33  | 0         | 2082 | 1         | 4131 | 0         | 6180 | 1         | 8229 | 1         | 10278 | 1         |
| 34  | 1         | 2083 | 1         | 4132 | 0         | 6181 | 0         | 8230 | 1         | 10279 | 0         |
| 35  | 0         | 2084 | 0         | 4133 | 1         | 6182 | 0         | 8231 | 1         | 10280 | 1         |

|    |   |      |   |      |   |      |   |      |   |       |   |
|----|---|------|---|------|---|------|---|------|---|-------|---|
| 36 | 0 | 2085 | 1 | 4134 | 1 | 6183 | 1 | 8232 | 1 | 10281 | 1 |
| 37 | 0 | 2086 | 0 | 4135 | 1 | 6184 | 0 | 8233 | 1 | 10282 | 1 |
| 38 | 0 | 2087 | 0 | 4136 | 1 | 6185 | 0 | 8234 | 0 | 10283 | 0 |
| 39 | 1 | 2088 | 1 | 4137 | 0 | 6186 | 0 | 8235 | 0 | 10284 | 1 |
| 40 | 0 | 2089 | 1 | 4138 | 0 | 6187 | 0 | 8236 | 0 | 10285 | 0 |
| 41 | 0 | 2090 | 0 | 4139 | 0 | 6188 | 1 | 8237 | 0 | 10286 | 1 |
| 42 | 0 | 2091 | 1 | 4140 | 1 | 6189 | 0 | 8238 | 1 | 10287 | 1 |
| 43 | 1 | 2092 | 0 | 4141 | 0 | 6190 | 0 | 8239 | 1 | 10288 | 1 |
| 44 | 1 | 2093 | 0 | 4142 | 0 | 6191 | 1 | 8240 | 1 | 10289 | 1 |
| 45 | 1 | 2094 | 1 | 4143 | 1 | 6192 | 1 | 8241 | 1 | 10290 | 0 |
| 46 | 0 | 2095 | 0 | 4144 | 0 | 6193 | 0 | 8242 | 1 | 10291 | 0 |
| 47 | 1 | 2096 | 1 | 4145 | 1 | 6194 | 0 | 8243 | 0 | 10292 | 0 |
| 48 | 0 | 2097 | 1 | 4146 | 1 | 6195 | 0 | 8244 | 0 | 10293 | 0 |
| 49 | 0 | 2098 | 0 | 4147 | 0 | 6196 | 0 | 8245 | 0 | 10294 | 1 |
| 50 | 0 | 2099 | 1 | 4148 | 0 | 6197 | 1 | 8246 | 1 | 10295 | 1 |
| 51 | 1 | 2100 | 1 | 4149 | 1 | 6198 | 0 | 8247 | 1 | 10296 | 0 |
| 52 | 0 | 2101 | 1 | 4150 | 1 | 6199 | 0 | 8248 | 0 | 10297 | 0 |
| 53 | 1 | 2102 | 0 | 4151 | 0 | 6200 | 1 | 8249 | 1 | 10298 | 0 |
| 54 | 1 | 2103 | 1 | 4152 | 1 | 6201 | 1 | 8250 | 1 | 10299 | 0 |
| 55 | 0 | 2104 | 1 | 4153 | 1 | 6202 | 0 | 8251 | 1 | 10300 | 0 |
| 56 | 1 | 2105 | 1 | 4154 | 0 | 6203 | 1 | 8252 | 1 | 10301 | 1 |
| 57 | 0 | 2106 | 1 | 4155 | 0 | 6204 | 1 | 8253 | 0 | 10302 | 0 |
| 58 | 1 | 2107 | 0 | 4156 | 1 | 6205 | 0 | 8254 | 1 | 10303 | 0 |
| 59 | 0 | 2108 | 0 | 4157 | 1 | 6206 | 1 | 8255 | 0 | 10304 | 1 |
| 60 | 1 | 2109 | 0 | 4158 | 1 | 6207 | 1 | 8256 | 0 | 10305 | 0 |
| 61 | 1 | 2110 | 0 | 4159 | 1 | 6208 | 0 | 8257 | 1 | 10306 | 0 |
| 62 | 1 | 2111 | 0 | 4160 | 1 | 6209 | 1 | 8258 | 0 | 10307 | 1 |
| 63 | 0 | 2112 | 0 | 4161 | 1 | 6210 | 0 | 8259 | 1 | 10308 | 1 |
| 64 | 1 | 2113 | 0 | 4162 | 1 | 6211 | 1 | 8260 | 0 | 10309 | 0 |
| 65 | 1 | 2114 | 1 | 4163 | 0 | 6212 | 0 | 8261 | 0 | 10310 | 0 |
| 66 | 0 | 2115 | 1 | 4164 | 1 | 6213 | 0 | 8262 | 0 | 10311 | 1 |
| 67 | 0 | 2116 | 0 | 4165 | 0 | 6214 | 0 | 8263 | 1 | 10312 | 1 |
| 68 | 1 | 2117 | 1 | 4166 | 0 | 6215 | 1 | 8264 | 1 | 10313 | 0 |
| 69 | 1 | 2118 | 1 | 4167 | 0 | 6216 | 1 | 8265 | 0 | 10314 | 0 |
| 70 | 1 | 2119 | 1 | 4168 | 0 | 6217 | 1 | 8266 | 1 | 10315 | 1 |
| 71 | 0 | 2120 | 0 | 4169 | 0 | 6218 | 0 | 8267 | 1 | 10316 | 1 |
| 72 | 1 | 2121 | 0 | 4170 | 1 | 6219 | 0 | 8268 | 1 | 10317 | 0 |
| 73 | 0 | 2122 | 1 | 4171 | 0 | 6220 | 0 | 8269 | 1 | 10318 | 0 |
| 74 | 1 | 2123 | 1 | 4172 | 0 | 6221 | 0 | 8270 | 0 | 10319 | 0 |
| 75 | 0 | 2124 | 0 | 4173 | 0 | 6222 | 1 | 8271 | 1 | 10320 | 0 |
| 76 | 1 | 2125 | 1 | 4174 | 1 | 6223 | 0 | 8272 | 1 | 10321 | 0 |
| 77 | 0 | 2126 | 0 | 4175 | 0 | 6224 | 0 | 8273 | 1 | 10322 | 0 |
| 78 | 0 | 2127 | 1 | 4176 | 1 | 6225 | 1 | 8274 | 0 | 10323 | 1 |
| 79 | 1 | 2128 | 0 | 4177 | 0 | 6226 | 0 | 8275 | 0 | 10324 | 1 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 80  | 1 | 2129 | 1 | 4178 | 1 | 6227 | 0 | 8276 | 0 | 10325 | 1 |
| 81  | 0 | 2130 | 1 | 4179 | 0 | 6228 | 0 | 8277 | 0 | 10326 | 1 |
| 82  | 0 | 2131 | 0 | 4180 | 0 | 6229 | 0 | 8278 | 0 | 10327 | 1 |
| 83  | 0 | 2132 | 0 | 4181 | 1 | 6230 | 1 | 8279 | 1 | 10328 | 0 |
| 84  | 0 | 2133 | 1 | 4182 | 1 | 6231 | 0 | 8280 | 0 | 10329 | 1 |
| 85  | 0 | 2134 | 1 | 4183 | 0 | 6232 | 1 | 8281 | 0 | 10330 | 1 |
| 86  | 0 | 2135 | 0 | 4184 | 0 | 6233 | 1 | 8282 | 1 | 10331 | 1 |
| 87  | 1 | 2136 | 0 | 4185 | 0 | 6234 | 0 | 8283 | 1 | 10332 | 0 |
| 88  | 1 | 2137 | 0 | 4186 | 1 | 6235 | 0 | 8284 | 0 | 10333 | 0 |
| 89  | 1 | 2138 | 0 | 4187 | 1 | 6236 | 1 | 8285 | 1 | 10334 | 0 |
| 90  | 0 | 2139 | 1 | 4188 | 1 | 6237 | 1 | 8286 | 0 | 10335 | 1 |
| 91  | 1 | 2140 | 1 | 4189 | 0 | 6238 | 0 | 8287 | 0 | 10336 | 1 |
| 92  | 1 | 2141 | 1 | 4190 | 0 | 6239 | 1 | 8288 | 0 | 10337 | 0 |
| 93  | 0 | 2142 | 0 | 4191 | 0 | 6240 | 0 | 8289 | 1 | 10338 | 1 |
| 94  | 0 | 2143 | 0 | 4192 | 1 | 6241 | 1 | 8290 | 0 | 10339 | 1 |
| 95  | 1 | 2144 | 0 | 4193 | 0 | 6242 | 0 | 8291 | 1 | 10340 | 1 |
| 96  | 1 | 2145 | 0 | 4194 | 0 | 6243 | 1 | 8292 | 1 | 10341 | 0 |
| 97  | 0 | 2146 | 0 | 4195 | 1 | 6244 | 1 | 8293 | 1 | 10342 | 1 |
| 98  | 1 | 2147 | 0 | 4196 | 1 | 6245 | 0 | 8294 | 0 | 10343 | 0 |
| 99  | 0 | 2148 | 0 | 4197 | 1 | 6246 | 1 | 8295 | 1 | 10344 | 1 |
| 100 | 1 | 2149 | 0 | 4198 | 1 | 6247 | 0 | 8296 | 1 | 10345 | 0 |
| 101 | 0 | 2150 | 0 | 4199 | 1 | 6248 | 0 | 8297 | 1 | 10346 | 0 |
| 102 | 1 | 2151 | 0 | 4200 | 1 | 6249 | 1 | 8298 | 1 | 10347 | 0 |
| 103 | 1 | 2152 | 0 | 4201 | 0 | 6250 | 1 | 8299 | 0 | 10348 | 1 |
| 104 | 0 | 2153 | 1 | 4202 | 0 | 6251 | 0 | 8300 | 0 | 10349 | 1 |
| 105 | 0 | 2154 | 1 | 4203 | 0 | 6252 | 0 | 8301 | 0 | 10350 | 1 |
| 106 | 0 | 2155 | 1 | 4204 | 1 | 6253 | 0 | 8302 | 0 | 10351 | 0 |
| 107 | 1 | 2156 | 1 | 4205 | 1 | 6254 | 1 | 8303 | 1 | 10352 | 1 |
| 108 | 0 | 2157 | 0 | 4206 | 0 | 6255 | 0 | 8304 | 1 | 10353 | 0 |
| 109 | 1 | 2158 | 0 | 4207 | 1 | 6256 | 1 | 8305 | 1 | 10354 | 1 |
| 110 | 0 | 2159 | 0 | 4208 | 0 | 6257 | 0 | 8306 | 0 | 10355 | 1 |
| 111 | 0 | 2160 | 1 | 4209 | 1 | 6258 | 0 | 8307 | 1 | 10356 | 0 |
| 112 | 0 | 2161 | 1 | 4210 | 0 | 6259 | 0 | 8308 | 1 | 10357 | 1 |
| 113 | 1 | 2162 | 0 | 4211 | 1 | 6260 | 1 | 8309 | 1 | 10358 | 1 |
| 114 | 1 | 2163 | 1 | 4212 | 0 | 6261 | 1 | 8310 | 0 | 10359 | 0 |
| 115 | 0 | 2164 | 1 | 4213 | 0 | 6262 | 0 | 8311 | 1 | 10360 | 0 |
| 116 | 0 | 2165 | 1 | 4214 | 1 | 6263 | 0 | 8312 | 0 | 10361 | 0 |
| 117 | 1 | 2166 | 0 | 4215 | 0 | 6264 | 1 | 8313 | 1 | 10362 | 0 |
| 118 | 1 | 2167 | 0 | 4216 | 1 | 6265 | 0 | 8314 | 1 | 10363 | 1 |
| 119 | 0 | 2168 | 1 | 4217 | 1 | 6266 | 1 | 8315 | 1 | 10364 | 1 |
| 120 | 0 | 2169 | 1 | 4218 | 0 | 6267 | 1 | 8316 | 1 | 10365 | 0 |
| 121 | 1 | 2170 | 0 | 4219 | 0 | 6268 | 1 | 8317 | 1 | 10366 | 0 |
| 122 | 0 | 2171 | 1 | 4220 | 1 | 6269 | 0 | 8318 | 1 | 10367 | 1 |
| 123 | 1 | 2172 | 0 | 4221 | 0 | 6270 | 0 | 8319 | 0 | 10368 | 1 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 124 | 1 | 2173 | 0 | 4222 | 0 | 6271 | 1 | 8320 | 1 | 10369 | 0 |
| 125 | 1 | 2174 | 0 | 4223 | 0 | 6272 | 1 | 8321 | 0 | 10370 | 0 |
| 126 | 0 | 2175 | 1 | 4224 | 0 | 6273 | 1 | 8322 | 0 | 10371 | 0 |
| 127 | 0 | 2176 | 1 | 4225 | 1 | 6274 | 0 | 8323 | 0 | 10372 | 0 |
| 128 | 0 | 2177 | 1 | 4226 | 1 | 6275 | 1 | 8324 | 1 | 10373 | 0 |
| 129 | 1 | 2178 | 0 | 4227 | 0 | 6276 | 1 | 8325 | 0 | 10374 | 0 |
| 130 | 1 | 2179 | 0 | 4228 | 1 | 6277 | 0 | 8326 | 0 | 10375 | 0 |
| 131 | 1 | 2180 | 0 | 4229 | 1 | 6278 | 0 | 8327 | 0 | 10376 | 1 |
| 132 | 0 | 2181 | 0 | 4230 | 1 | 6279 | 1 | 8328 | 1 | 10377 | 0 |
| 133 | 0 | 2182 | 0 | 4231 | 1 | 6280 | 0 | 8329 | 0 | 10378 | 1 |
| 134 | 1 | 2183 | 0 | 4232 | 1 | 6281 | 0 | 8330 | 1 | 10379 | 1 |
| 135 | 0 | 2184 | 0 | 4233 | 1 | 6282 | 0 | 8331 | 1 | 10380 | 1 |
| 136 | 0 | 2185 | 0 | 4234 | 1 | 6283 | 0 | 8332 | 1 | 10381 | 0 |
| 137 | 1 | 2186 | 0 | 4235 | 0 | 6284 | 0 | 8333 | 0 | 10382 | 0 |
| 138 | 0 | 2187 | 0 | 4236 | 0 | 6285 | 1 | 8334 | 1 | 10383 | 1 |
| 139 | 1 | 2188 | 0 | 4237 | 0 | 6286 | 1 | 8335 | 1 | 10384 | 0 |
| 140 | 0 | 2189 | 1 | 4238 | 0 | 6287 | 1 | 8336 | 1 | 10385 | 1 |
| 141 | 1 | 2190 | 0 | 4239 | 1 | 6288 | 1 | 8337 | 1 | 10386 | 0 |
| 142 | 1 | 2191 | 1 | 4240 | 0 | 6289 | 1 | 8338 | 0 | 10387 | 1 |
| 143 | 0 | 2192 | 1 | 4241 | 1 | 6290 | 1 | 8339 | 1 | 10388 | 0 |
| 144 | 0 | 2193 | 0 | 4242 | 0 | 6291 | 1 | 8340 | 0 | 10389 | 1 |
| 145 | 1 | 2194 | 0 | 4243 | 1 | 6292 | 0 | 8341 | 1 | 10390 | 0 |
| 146 | 1 | 2195 | 1 | 4244 | 1 | 6293 | 1 | 8342 | 0 | 10391 | 0 |
| 147 | 0 | 2196 | 0 | 4245 | 0 | 6294 | 0 | 8343 | 1 | 10392 | 1 |
| 148 | 0 | 2197 | 1 | 4246 | 1 | 6295 | 0 | 8344 | 0 | 10393 | 1 |
| 149 | 1 | 2198 | 0 | 4247 | 0 | 6296 | 1 | 8345 | 1 | 10394 | 0 |
| 150 | 1 | 2199 | 0 | 4248 | 1 | 6297 | 0 | 8346 | 1 | 10395 | 0 |
| 151 | 0 | 2200 | 0 | 4249 | 1 | 6298 | 1 | 8347 | 1 | 10396 | 1 |
| 152 | 1 | 2201 | 0 | 4250 | 1 | 6299 | 0 | 8348 | 1 | 10397 | 0 |
| 153 | 0 | 2202 | 0 | 4251 | 0 | 6300 | 1 | 8349 | 0 | 10398 | 0 |
| 154 | 0 | 2203 | 0 | 4252 | 1 | 6301 | 0 | 8350 | 0 | 10399 | 0 |
| 155 | 1 | 2204 | 0 | 4253 | 1 | 6302 | 1 | 8351 | 1 | 10400 | 0 |
| 156 | 0 | 2205 | 0 | 4254 | 1 | 6303 | 1 | 8352 | 0 | 10401 | 0 |
| 157 | 0 | 2206 | 0 | 4255 | 0 | 6304 | 0 | 8353 | 0 | 10402 | 0 |
| 158 | 1 | 2207 | 1 | 4256 | 0 | 6305 | 0 | 8354 | 1 | 10403 | 1 |
| 159 | 1 | 2208 | 1 | 4257 | 1 | 6306 | 1 | 8355 | 1 | 10404 | 0 |
| 160 | 1 | 2209 | 1 | 4258 | 0 | 6307 | 1 | 8356 | 0 | 10405 | 0 |
| 161 | 0 | 2210 | 1 | 4259 | 1 | 6308 | 0 | 8357 | 1 | 10406 | 1 |
| 162 | 0 | 2211 | 1 | 4260 | 1 | 6309 | 0 | 8358 | 1 | 10407 | 0 |
| 163 | 0 | 2212 | 1 | 4261 | 1 | 6310 | 1 | 8359 | 1 | 10408 | 1 |
| 164 | 0 | 2213 | 0 | 4262 | 1 | 6311 | 0 | 8360 | 1 | 10409 | 1 |
| 165 | 0 | 2214 | 0 | 4263 | 1 | 6312 | 1 | 8361 | 1 | 10410 | 0 |
| 166 | 0 | 2215 | 1 | 4264 | 1 | 6313 | 1 | 8362 | 0 | 10411 | 0 |
| 167 | 1 | 2216 | 0 | 4265 | 1 | 6314 | 0 | 8363 | 0 | 10412 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 168 | 0 | 2217 | 0 | 4266 | 0 | 6315 | 1 | 8364 | 1 | 10413 | 1 |
| 169 | 0 | 2218 | 0 | 4267 | 1 | 6316 | 0 | 8365 | 1 | 10414 | 1 |
| 170 | 0 | 2219 | 1 | 4268 | 1 | 6317 | 0 | 8366 | 1 | 10415 | 1 |
| 171 | 0 | 2220 | 1 | 4269 | 1 | 6318 | 0 | 8367 | 1 | 10416 | 1 |
| 172 | 0 | 2221 | 0 | 4270 | 0 | 6319 | 1 | 8368 | 0 | 10417 | 0 |
| 173 | 0 | 2222 | 1 | 4271 | 0 | 6320 | 0 | 8369 | 1 | 10418 | 0 |
| 174 | 1 | 2223 | 0 | 4272 | 1 | 6321 | 1 | 8370 | 1 | 10419 | 1 |
| 175 | 1 | 2224 | 1 | 4273 | 1 | 6322 | 1 | 8371 | 1 | 10420 | 1 |
| 176 | 1 | 2225 | 0 | 4274 | 0 | 6323 | 1 | 8372 | 1 | 10421 | 0 |
| 177 | 1 | 2226 | 0 | 4275 | 1 | 6324 | 1 | 8373 | 0 | 10422 | 0 |
| 178 | 1 | 2227 | 0 | 4276 | 1 | 6325 | 1 | 8374 | 0 | 10423 | 0 |
| 179 | 0 | 2228 | 0 | 4277 | 0 | 6326 | 0 | 8375 | 1 | 10424 | 0 |
| 180 | 0 | 2229 | 1 | 4278 | 0 | 6327 | 0 | 8376 | 1 | 10425 | 1 |
| 181 | 0 | 2230 | 1 | 4279 | 0 | 6328 | 1 | 8377 | 0 | 10426 | 0 |
| 182 | 1 | 2231 | 1 | 4280 | 1 | 6329 | 1 | 8378 | 1 | 10427 | 0 |
| 183 | 1 | 2232 | 0 | 4281 | 0 | 6330 | 1 | 8379 | 0 | 10428 | 0 |
| 184 | 1 | 2233 | 0 | 4282 | 1 | 6331 | 0 | 8380 | 1 | 10429 | 1 |
| 185 | 1 | 2234 | 0 | 4283 | 1 | 6332 | 1 | 8381 | 0 | 10430 | 0 |
| 186 | 0 | 2235 | 1 | 4284 | 1 | 6333 | 1 | 8382 | 1 | 10431 | 1 |
| 187 | 1 | 2236 | 1 | 4285 | 1 | 6334 | 1 | 8383 | 1 | 10432 | 1 |
| 188 | 0 | 2237 | 1 | 4286 | 0 | 6335 | 1 | 8384 | 0 | 10433 | 0 |
| 189 | 1 | 2238 | 0 | 4287 | 1 | 6336 | 0 | 8385 | 0 | 10434 | 0 |
| 190 | 1 | 2239 | 1 | 4288 | 1 | 6337 | 1 | 8386 | 1 | 10435 | 1 |
| 191 | 1 | 2240 | 0 | 4289 | 0 | 6338 | 1 | 8387 | 0 | 10436 | 1 |
| 192 | 1 | 2241 | 1 | 4290 | 1 | 6339 | 1 | 8388 | 1 | 10437 | 1 |
| 193 | 0 | 2242 | 1 | 4291 | 0 | 6340 | 0 | 8389 | 1 | 10438 | 1 |
| 194 | 0 | 2243 | 0 | 4292 | 1 | 6341 | 0 | 8390 | 1 | 10439 | 0 |
| 195 | 0 | 2244 | 1 | 4293 | 1 | 6342 | 0 | 8391 | 0 | 10440 | 1 |
| 196 | 1 | 2245 | 0 | 4294 | 0 | 6343 | 0 | 8392 | 0 | 10441 | 1 |
| 197 | 0 | 2246 | 0 | 4295 | 1 | 6344 | 1 | 8393 | 0 | 10442 | 0 |
| 198 | 1 | 2247 | 0 | 4296 | 0 | 6345 | 0 | 8394 | 1 | 10443 | 0 |
| 199 | 1 | 2248 | 0 | 4297 | 0 | 6346 | 1 | 8395 | 0 | 10444 | 1 |
| 200 | 0 | 2249 | 1 | 4298 | 1 | 6347 | 1 | 8396 | 0 | 10445 | 0 |
| 201 | 0 | 2250 | 0 | 4299 | 1 | 6348 | 1 | 8397 | 1 | 10446 | 0 |
| 202 | 0 | 2251 | 1 | 4300 | 1 | 6349 | 0 | 8398 | 0 | 10447 | 1 |
| 203 | 1 | 2252 | 0 | 4301 | 1 | 6350 | 0 | 8399 | 1 | 10448 | 0 |
| 204 | 1 | 2253 | 0 | 4302 | 1 | 6351 | 0 | 8400 | 1 | 10449 | 0 |
| 205 | 1 | 2254 | 1 | 4303 | 1 | 6352 | 0 | 8401 | 0 | 10450 | 0 |
| 206 | 0 | 2255 | 1 | 4304 | 0 | 6353 | 0 | 8402 | 0 | 10451 | 0 |
| 207 | 0 | 2256 | 0 | 4305 | 0 | 6354 | 0 | 8403 | 1 | 10452 | 1 |
| 208 | 0 | 2257 | 0 | 4306 | 1 | 6355 | 0 | 8404 | 0 | 10453 | 0 |
| 209 | 0 | 2258 | 1 | 4307 | 0 | 6356 | 0 | 8405 | 1 | 10454 | 0 |
| 210 | 0 | 2259 | 0 | 4308 | 0 | 6357 | 1 | 8406 | 0 | 10455 | 1 |
| 211 | 0 | 2260 | 0 | 4309 | 1 | 6358 | 0 | 8407 | 0 | 10456 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 212 | 1 | 2261 | 0 | 4310 | 1 | 6359 | 1 | 8408 | 0 | 10457 | 0 |
| 213 | 1 | 2262 | 0 | 4311 | 0 | 6360 | 1 | 8409 | 1 | 10458 | 0 |
| 214 | 1 | 2263 | 0 | 4312 | 1 | 6361 | 1 | 8410 | 1 | 10459 | 1 |
| 215 | 0 | 2264 | 0 | 4313 | 0 | 6362 | 0 | 8411 | 0 | 10460 | 1 |
| 216 | 0 | 2265 | 0 | 4314 | 0 | 6363 | 1 | 8412 | 0 | 10461 | 0 |
| 217 | 1 | 2266 | 0 | 4315 | 1 | 6364 | 0 | 8413 | 0 | 10462 | 0 |
| 218 | 1 | 2267 | 0 | 4316 | 1 | 6365 | 1 | 8414 | 0 | 10463 | 0 |
| 219 | 0 | 2268 | 1 | 4317 | 1 | 6366 | 1 | 8415 | 0 | 10464 | 1 |
| 220 | 0 | 2269 | 0 | 4318 | 0 | 6367 | 0 | 8416 | 1 | 10465 | 1 |
| 221 | 0 | 2270 | 1 | 4319 | 1 | 6368 | 1 | 8417 | 0 | 10466 | 0 |
| 222 | 1 | 2271 | 0 | 4320 | 0 | 6369 | 1 | 8418 | 0 | 10467 | 0 |
| 223 | 0 | 2272 | 1 | 4321 | 0 | 6370 | 1 | 8419 | 0 | 10468 | 0 |
| 224 | 0 | 2273 | 0 | 4322 | 1 | 6371 | 1 | 8420 | 1 | 10469 | 1 |
| 225 | 1 | 2274 | 1 | 4323 | 0 | 6372 | 0 | 8421 | 1 | 10470 | 0 |
| 226 | 1 | 2275 | 0 | 4324 | 1 | 6373 | 0 | 8422 | 1 | 10471 | 0 |
| 227 | 1 | 2276 | 1 | 4325 | 1 | 6374 | 0 | 8423 | 1 | 10472 | 1 |
| 228 | 0 | 2277 | 1 | 4326 | 0 | 6375 | 0 | 8424 | 1 | 10473 | 1 |
| 229 | 0 | 2278 | 0 | 4327 | 0 | 6376 | 1 | 8425 | 1 | 10474 | 0 |
| 230 | 0 | 2279 | 1 | 4328 | 0 | 6377 | 0 | 8426 | 0 | 10475 | 0 |
| 231 | 1 | 2280 | 0 | 4329 | 0 | 6378 | 1 | 8427 | 1 | 10476 | 0 |
| 232 | 1 | 2281 | 1 | 4330 | 0 | 6379 | 1 | 8428 | 1 | 10477 | 1 |
| 233 | 1 | 2282 | 0 | 4331 | 1 | 6380 | 1 | 8429 | 1 | 10478 | 0 |
| 234 | 1 | 2283 | 0 | 4332 | 0 | 6381 | 0 | 8430 | 0 | 10479 | 1 |
| 235 | 1 | 2284 | 1 | 4333 | 1 | 6382 | 1 | 8431 | 1 | 10480 | 1 |
| 236 | 0 | 2285 | 1 | 4334 | 0 | 6383 | 1 | 8432 | 1 | 10481 | 1 |
| 237 | 0 | 2286 | 1 | 4335 | 0 | 6384 | 0 | 8433 | 1 | 10482 | 1 |
| 238 | 0 | 2287 | 0 | 4336 | 1 | 6385 | 1 | 8434 | 1 | 10483 | 0 |
| 239 | 0 | 2288 | 1 | 4337 | 0 | 6386 | 0 | 8435 | 1 | 10484 | 1 |
| 240 | 1 | 2289 | 1 | 4338 | 0 | 6387 | 1 | 8436 | 0 | 10485 | 1 |
| 241 | 0 | 2290 | 0 | 4339 | 1 | 6388 | 1 | 8437 | 0 | 10486 | 1 |
| 242 | 0 | 2291 | 1 | 4340 | 1 | 6389 | 1 | 8438 | 0 | 10487 | 0 |
| 243 | 0 | 2292 | 0 | 4341 | 0 | 6390 | 0 | 8439 | 1 | 10488 | 1 |
| 244 | 1 | 2293 | 1 | 4342 | 1 | 6391 | 0 | 8440 | 0 | 10489 | 1 |
| 245 | 1 | 2294 | 1 | 4343 | 1 | 6392 | 0 | 8441 | 1 | 10490 | 1 |
| 246 | 1 | 2295 | 0 | 4344 | 1 | 6393 | 1 | 8442 | 1 | 10491 | 1 |
| 247 | 0 | 2296 | 0 | 4345 | 0 | 6394 | 0 | 8443 | 0 | 10492 | 1 |
| 248 | 1 | 2297 | 1 | 4346 | 0 | 6395 | 1 | 8444 | 0 | 10493 | 1 |
| 249 | 1 | 2298 | 0 | 4347 | 0 | 6396 | 1 | 8445 | 1 | 10494 | 1 |
| 250 | 0 | 2299 | 0 | 4348 | 1 | 6397 | 1 | 8446 | 0 | 10495 | 0 |
| 251 | 1 | 2300 | 1 | 4349 | 1 | 6398 | 1 | 8447 | 0 | 10496 | 0 |
| 252 | 0 | 2301 | 1 | 4350 | 0 | 6399 | 0 | 8448 | 0 | 10497 | 0 |
| 253 | 0 | 2302 | 0 | 4351 | 0 | 6400 | 1 | 8449 | 0 | 10498 | 1 |
| 254 | 0 | 2303 | 1 | 4352 | 1 | 6401 | 0 | 8450 | 1 | 10499 | 1 |
| 255 | 1 | 2304 | 1 | 4353 | 1 | 6402 | 1 | 8451 | 1 | 10500 | 1 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 256 | 1 | 2305 | 0 | 4354 | 0 | 6403 | 1 | 8452 | 0 | 10501 | 0 |
| 257 | 1 | 2306 | 1 | 4355 | 1 | 6404 | 1 | 8453 | 1 | 10502 | 0 |
| 258 | 1 | 2307 | 1 | 4356 | 1 | 6405 | 0 | 8454 | 0 | 10503 | 0 |
| 259 | 0 | 2308 | 1 | 4357 | 0 | 6406 | 1 | 8455 | 1 | 10504 | 1 |
| 260 | 1 | 2309 | 1 | 4358 | 0 | 6407 | 0 | 8456 | 1 | 10505 | 1 |
| 261 | 1 | 2310 | 1 | 4359 | 0 | 6408 | 0 | 8457 | 0 | 10506 | 0 |
| 262 | 0 | 2311 | 1 | 4360 | 0 | 6409 | 0 | 8458 | 0 | 10507 | 1 |
| 263 | 1 | 2312 | 1 | 4361 | 1 | 6410 | 0 | 8459 | 1 | 10508 | 0 |
| 264 | 0 | 2313 | 0 | 4362 | 0 | 6411 | 0 | 8460 | 0 | 10509 | 1 |
| 265 | 1 | 2314 | 1 | 4363 | 0 | 6412 | 1 | 8461 | 0 | 10510 | 0 |
| 266 | 1 | 2315 | 1 | 4364 | 1 | 6413 | 1 | 8462 | 0 | 10511 | 1 |
| 267 | 1 | 2316 | 1 | 4365 | 0 | 6414 | 0 | 8463 | 0 | 10512 | 1 |
| 268 | 0 | 2317 | 1 | 4366 | 0 | 6415 | 1 | 8464 | 0 | 10513 | 1 |
| 269 | 0 | 2318 | 1 | 4367 | 1 | 6416 | 0 | 8465 | 1 | 10514 | 1 |
| 270 | 0 | 2319 | 0 | 4368 | 0 | 6417 | 1 | 8466 | 0 | 10515 | 1 |
| 271 | 0 | 2320 | 0 | 4369 | 1 | 6418 | 0 | 8467 | 0 | 10516 | 0 |
| 272 | 1 | 2321 | 1 | 4370 | 1 | 6419 | 0 | 8468 | 1 | 10517 | 1 |
| 273 | 0 | 2322 | 1 | 4371 | 1 | 6420 | 0 | 8469 | 0 | 10518 | 1 |
| 274 | 0 | 2323 | 1 | 4372 | 1 | 6421 | 1 | 8470 | 0 | 10519 | 1 |
| 275 | 0 | 2324 | 1 | 4373 | 1 | 6422 | 0 | 8471 | 0 | 10520 | 1 |
| 276 | 1 | 2325 | 1 | 4374 | 0 | 6423 | 1 | 8472 | 0 | 10521 | 1 |
| 277 | 1 | 2326 | 0 | 4375 | 1 | 6424 | 1 | 8473 | 0 | 10522 | 1 |
| 278 | 0 | 2327 | 0 | 4376 | 1 | 6425 | 1 | 8474 | 0 | 10523 | 0 |
| 279 | 1 | 2328 | 0 | 4377 | 0 | 6426 | 0 | 8475 | 1 | 10524 | 1 |
| 280 | 1 | 2329 | 0 | 4378 | 1 | 6427 | 0 | 8476 | 0 | 10525 | 1 |
| 281 | 1 | 2330 | 1 | 4379 | 0 | 6428 | 1 | 8477 | 1 | 10526 | 0 |
| 282 | 1 | 2331 | 0 | 4380 | 1 | 6429 | 0 | 8478 | 0 | 10527 | 1 |
| 283 | 1 | 2332 | 0 | 4381 | 0 | 6430 | 0 | 8479 | 1 | 10528 | 0 |
| 284 | 0 | 2333 | 1 | 4382 | 0 | 6431 | 0 | 8480 | 0 | 10529 | 1 |
| 285 | 0 | 2334 | 0 | 4383 | 0 | 6432 | 1 | 8481 | 1 | 10530 | 0 |
| 286 | 0 | 2335 | 0 | 4384 | 0 | 6433 | 1 | 8482 | 0 | 10531 | 0 |
| 287 | 0 | 2336 | 0 | 4385 | 0 | 6434 | 1 | 8483 | 0 | 10532 | 1 |
| 288 | 1 | 2337 | 1 | 4386 | 0 | 6435 | 1 | 8484 | 1 | 10533 | 1 |
| 289 | 0 | 2338 | 1 | 4387 | 0 | 6436 | 0 | 8485 | 0 | 10534 | 0 |
| 290 | 1 | 2339 | 1 | 4388 | 1 | 6437 | 0 | 8486 | 1 | 10535 | 0 |
| 291 | 0 | 2340 | 1 | 4389 | 1 | 6438 | 0 | 8487 | 1 | 10536 | 0 |
| 292 | 0 | 2341 | 1 | 4390 | 1 | 6439 | 0 | 8488 | 0 | 10537 | 0 |
| 293 | 0 | 2342 | 1 | 4391 | 1 | 6440 | 1 | 8489 | 1 | 10538 | 1 |
| 294 | 0 | 2343 | 0 | 4392 | 1 | 6441 | 1 | 8490 | 1 | 10539 | 1 |
| 295 | 0 | 2344 | 1 | 4393 | 0 | 6442 | 1 | 8491 | 0 | 10540 | 0 |
| 296 | 1 | 2345 | 1 | 4394 | 0 | 6443 | 0 | 8492 | 0 | 10541 | 1 |
| 297 | 0 | 2346 | 1 | 4395 | 1 | 6444 | 1 | 8493 | 1 | 10542 | 1 |
| 298 | 1 | 2347 | 0 | 4396 | 0 | 6445 | 0 | 8494 | 1 | 10543 | 1 |
| 299 | 1 | 2348 | 0 | 4397 | 0 | 6446 | 0 | 8495 | 1 | 10544 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 300 | 0 | 2349 | 1 | 4398 | 1 | 6447 | 0 | 8496 | 0 | 10545 | 1 |
| 301 | 1 | 2350 | 1 | 4399 | 0 | 6448 | 0 | 8497 | 1 | 10546 | 1 |
| 302 | 0 | 2351 | 1 | 4400 | 1 | 6449 | 1 | 8498 | 1 | 10547 | 0 |
| 303 | 0 | 2352 | 0 | 4401 | 0 | 6450 | 1 | 8499 | 1 | 10548 | 0 |
| 304 | 0 | 2353 | 0 | 4402 | 1 | 6451 | 0 | 8500 | 1 | 10549 | 0 |
| 305 | 0 | 2354 | 0 | 4403 | 1 | 6452 | 0 | 8501 | 1 | 10550 | 0 |
| 306 | 1 | 2355 | 1 | 4404 | 1 | 6453 | 0 | 8502 | 1 | 10551 | 1 |
| 307 | 1 | 2356 | 1 | 4405 | 0 | 6454 | 0 | 8503 | 0 | 10552 | 0 |
| 308 | 0 | 2357 | 1 | 4406 | 0 | 6455 | 0 | 8504 | 0 | 10553 | 0 |
| 309 | 0 | 2358 | 0 | 4407 | 1 | 6456 | 0 | 8505 | 1 | 10554 | 1 |
| 310 | 1 | 2359 | 1 | 4408 | 1 | 6457 | 0 | 8506 | 0 | 10555 | 0 |
| 311 | 0 | 2360 | 1 | 4409 | 0 | 6458 | 1 | 8507 | 1 | 10556 | 0 |
| 312 | 0 | 2361 | 1 | 4410 | 0 | 6459 | 1 | 8508 | 0 | 10557 | 1 |
| 313 | 1 | 2362 | 0 | 4411 | 1 | 6460 | 1 | 8509 | 0 | 10558 | 1 |
| 314 | 1 | 2363 | 1 | 4412 | 0 | 6461 | 0 | 8510 | 0 | 10559 | 0 |
| 315 | 1 | 2364 | 0 | 4413 | 1 | 6462 | 1 | 8511 | 1 | 10560 | 0 |
| 316 | 1 | 2365 | 0 | 4414 | 1 | 6463 | 1 | 8512 | 1 | 10561 | 1 |
| 317 | 1 | 2366 | 1 | 4415 | 0 | 6464 | 1 | 8513 | 0 | 10562 | 1 |
| 318 | 0 | 2367 | 1 | 4416 | 1 | 6465 | 0 | 8514 | 0 | 10563 | 1 |
| 319 | 0 | 2368 | 0 | 4417 | 0 | 6466 | 1 | 8515 | 1 | 10564 | 0 |
| 320 | 0 | 2369 | 1 | 4418 | 0 | 6467 | 1 | 8516 | 0 | 10565 | 0 |
| 321 | 0 | 2370 | 0 | 4419 | 0 | 6468 | 0 | 8517 | 1 | 10566 | 1 |
| 322 | 0 | 2371 | 0 | 4420 | 0 | 6469 | 1 | 8518 | 1 | 10567 | 0 |
| 323 | 1 | 2372 | 1 | 4421 | 1 | 6470 | 1 | 8519 | 0 | 10568 | 1 |
| 324 | 0 | 2373 | 1 | 4422 | 1 | 6471 | 0 | 8520 | 0 | 10569 | 1 |
| 325 | 1 | 2374 | 1 | 4423 | 0 | 6472 | 1 | 8521 | 1 | 10570 | 0 |
| 326 | 0 | 2375 | 1 | 4424 | 1 | 6473 | 1 | 8522 | 0 | 10571 | 0 |
| 327 | 0 | 2376 | 0 | 4425 | 0 | 6474 | 0 | 8523 | 0 | 10572 | 0 |
| 328 | 0 | 2377 | 1 | 4426 | 1 | 6475 | 1 | 8524 | 0 | 10573 | 0 |
| 329 | 0 | 2378 | 1 | 4427 | 1 | 6476 | 0 | 8525 | 0 | 10574 | 1 |
| 330 | 1 | 2379 | 0 | 4428 | 0 | 6477 | 0 | 8526 | 1 | 10575 | 1 |
| 331 | 1 | 2380 | 1 | 4429 | 0 | 6478 | 0 | 8527 | 1 | 10576 | 0 |
| 332 | 0 | 2381 | 0 | 4430 | 0 | 6479 | 0 | 8528 | 0 | 10577 | 0 |
| 333 | 0 | 2382 | 0 | 4431 | 1 | 6480 | 0 | 8529 | 0 | 10578 | 1 |
| 334 | 0 | 2383 | 0 | 4432 | 0 | 6481 | 1 | 8530 | 1 | 10579 | 0 |
| 335 | 1 | 2384 | 1 | 4433 | 1 | 6482 | 0 | 8531 | 1 | 10580 | 0 |
| 336 | 0 | 2385 | 1 | 4434 | 0 | 6483 | 0 | 8532 | 0 | 10581 | 1 |
| 337 | 1 | 2386 | 0 | 4435 | 0 | 6484 | 0 | 8533 | 1 | 10582 | 1 |
| 338 | 0 | 2387 | 0 | 4436 | 0 | 6485 | 0 | 8534 | 0 | 10583 | 0 |
| 339 | 0 | 2388 | 0 | 4437 | 1 | 6486 | 0 | 8535 | 0 | 10584 | 1 |
| 340 | 0 | 2389 | 1 | 4438 | 1 | 6487 | 0 | 8536 | 0 | 10585 | 1 |
| 341 | 0 | 2390 | 1 | 4439 | 1 | 6488 | 0 | 8537 | 0 | 10586 | 0 |
| 342 | 0 | 2391 | 1 | 4440 | 1 | 6489 | 1 | 8538 | 0 | 10587 | 1 |
| 343 | 1 | 2392 | 0 | 4441 | 1 | 6490 | 0 | 8539 | 1 | 10588 | 1 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 344 | 1 | 2393 | 1 | 4442 | 0 | 6491 | 1 | 8540 | 0 | 10589 | 1 |
| 345 | 1 | 2394 | 1 | 4443 | 0 | 6492 | 0 | 8541 | 1 | 10590 | 1 |
| 346 | 1 | 2395 | 0 | 4444 | 1 | 6493 | 0 | 8542 | 0 | 10591 | 1 |
| 347 | 0 | 2396 | 1 | 4445 | 0 | 6494 | 0 | 8543 | 1 | 10592 | 0 |
| 348 | 1 | 2397 | 0 | 4446 | 1 | 6495 | 1 | 8544 | 0 | 10593 | 1 |
| 349 | 1 | 2398 | 0 | 4447 | 0 | 6496 | 1 | 8545 | 0 | 10594 | 1 |
| 350 | 1 | 2399 | 0 | 4448 | 0 | 6497 | 1 | 8546 | 1 | 10595 | 0 |
| 351 | 1 | 2400 | 1 | 4449 | 0 | 6498 | 1 | 8547 | 0 | 10596 | 0 |
| 352 | 1 | 2401 | 1 | 4450 | 0 | 6499 | 0 | 8548 | 1 | 10597 | 1 |
| 353 | 1 | 2402 | 0 | 4451 | 1 | 6500 | 1 | 8549 | 0 | 10598 | 1 |
| 354 | 0 | 2403 | 0 | 4452 | 1 | 6501 | 1 | 8550 | 0 | 10599 | 0 |
| 355 | 0 | 2404 | 1 | 4453 | 1 | 6502 | 1 | 8551 | 0 | 10600 | 1 |
| 356 | 0 | 2405 | 0 | 4454 | 0 | 6503 | 0 | 8552 | 1 | 10601 | 1 |
| 357 | 0 | 2406 | 1 | 4455 | 0 | 6504 | 1 | 8553 | 1 | 10602 | 1 |
| 358 | 0 | 2407 | 1 | 4456 | 0 | 6505 | 0 | 8554 | 1 | 10603 | 0 |
| 359 | 1 | 2408 | 0 | 4457 | 1 | 6506 | 1 | 8555 | 0 | 10604 | 0 |
| 360 | 0 | 2409 | 0 | 4458 | 1 | 6507 | 0 | 8556 | 0 | 10605 | 1 |
| 361 | 1 | 2410 | 1 | 4459 | 0 | 6508 | 0 | 8557 | 0 | 10606 | 0 |
| 362 | 0 | 2411 | 0 | 4460 | 0 | 6509 | 1 | 8558 | 1 | 10607 | 0 |
| 363 | 1 | 2412 | 0 | 4461 | 1 | 6510 | 0 | 8559 | 1 | 10608 | 1 |
| 364 | 1 | 2413 | 1 | 4462 | 0 | 6511 | 1 | 8560 | 0 | 10609 | 0 |
| 365 | 1 | 2414 | 0 | 4463 | 1 | 6512 | 0 | 8561 | 1 | 10610 | 1 |
| 366 | 1 | 2415 | 0 | 4464 | 0 | 6513 | 1 | 8562 | 0 | 10611 | 0 |
| 367 | 0 | 2416 | 1 | 4465 | 0 | 6514 | 0 | 8563 | 1 | 10612 | 0 |
| 368 | 1 | 2417 | 1 | 4466 | 0 | 6515 | 1 | 8564 | 1 | 10613 | 1 |
| 369 | 1 | 2418 | 1 | 4467 | 1 | 6516 | 0 | 8565 | 1 | 10614 | 1 |
| 370 | 0 | 2419 | 1 | 4468 | 1 | 6517 | 1 | 8566 | 1 | 10615 | 0 |
| 371 | 0 | 2420 | 1 | 4469 | 1 | 6518 | 1 | 8567 | 0 | 10616 | 1 |
| 372 | 1 | 2421 | 1 | 4470 | 0 | 6519 | 1 | 8568 | 1 | 10617 | 0 |
| 373 | 1 | 2422 | 1 | 4471 | 0 | 6520 | 1 | 8569 | 1 | 10618 | 1 |
| 374 | 0 | 2423 | 0 | 4472 | 0 | 6521 | 1 | 8570 | 0 | 10619 | 1 |
| 375 | 1 | 2424 | 0 | 4473 | 1 | 6522 | 0 | 8571 | 1 | 10620 | 0 |
| 376 | 0 | 2425 | 0 | 4474 | 1 | 6523 | 0 | 8572 | 1 | 10621 | 1 |
| 377 | 1 | 2426 | 1 | 4475 | 0 | 6524 | 0 | 8573 | 1 | 10622 | 0 |
| 378 | 0 | 2427 | 0 | 4476 | 1 | 6525 | 0 | 8574 | 1 | 10623 | 0 |
| 379 | 1 | 2428 | 0 | 4477 | 0 | 6526 | 0 | 8575 | 1 | 10624 | 1 |
| 380 | 1 | 2429 | 0 | 4478 | 0 | 6527 | 0 | 8576 | 0 | 10625 | 0 |
| 381 | 0 | 2430 | 1 | 4479 | 1 | 6528 | 0 | 8577 | 0 | 10626 | 1 |
| 382 | 0 | 2431 | 1 | 4480 | 0 | 6529 | 1 | 8578 | 1 | 10627 | 1 |
| 383 | 0 | 2432 | 1 | 4481 | 1 | 6530 | 0 | 8579 | 0 | 10628 | 0 |
| 384 | 0 | 2433 | 1 | 4482 | 1 | 6531 | 1 | 8580 | 1 | 10629 | 0 |
| 385 | 0 | 2434 | 0 | 4483 | 0 | 6532 | 0 | 8581 | 0 | 10630 | 1 |
| 386 | 1 | 2435 | 0 | 4484 | 1 | 6533 | 1 | 8582 | 1 | 10631 | 0 |
| 387 | 0 | 2436 | 0 | 4485 | 1 | 6534 | 0 | 8583 | 1 | 10632 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 388 | 0 | 2437 | 0 | 4486 | 1 | 6535 | 1 | 8584 | 1 | 10633 | 1 |
| 389 | 1 | 2438 | 0 | 4487 | 0 | 6536 | 1 | 8585 | 0 | 10634 | 1 |
| 390 | 1 | 2439 | 1 | 4488 | 0 | 6537 | 1 | 8586 | 1 | 10635 | 1 |
| 391 | 0 | 2440 | 1 | 4489 | 0 | 6538 | 0 | 8587 | 0 | 10636 | 0 |
| 392 | 1 | 2441 | 0 | 4490 | 1 | 6539 | 0 | 8588 | 0 | 10637 | 1 |
| 393 | 1 | 2442 | 1 | 4491 | 1 | 6540 | 0 | 8589 | 0 | 10638 | 1 |
| 394 | 0 | 2443 | 1 | 4492 | 1 | 6541 | 1 | 8590 | 1 | 10639 | 0 |
| 395 | 1 | 2444 | 1 | 4493 | 1 | 6542 | 0 | 8591 | 0 | 10640 | 0 |
| 396 | 0 | 2445 | 1 | 4494 | 1 | 6543 | 1 | 8592 | 0 | 10641 | 0 |
| 397 | 1 | 2446 | 1 | 4495 | 0 | 6544 | 0 | 8593 | 1 | 10642 | 1 |
| 398 | 0 | 2447 | 0 | 4496 | 0 | 6545 | 0 | 8594 | 1 | 10643 | 0 |
| 399 | 1 | 2448 | 0 | 4497 | 1 | 6546 | 0 | 8595 | 1 | 10644 | 0 |
| 400 | 1 | 2449 | 1 | 4498 | 1 | 6547 | 1 | 8596 | 0 | 10645 | 1 |
| 401 | 1 | 2450 | 0 | 4499 | 0 | 6548 | 1 | 8597 | 0 | 10646 | 1 |
| 402 | 1 | 2451 | 1 | 4500 | 0 | 6549 | 0 | 8598 | 1 | 10647 | 1 |
| 403 | 1 | 2452 | 1 | 4501 | 1 | 6550 | 0 | 8599 | 1 | 10648 | 1 |
| 404 | 1 | 2453 | 0 | 4502 | 0 | 6551 | 1 | 8600 | 1 | 10649 | 0 |
| 405 | 1 | 2454 | 1 | 4503 | 1 | 6552 | 1 | 8601 | 0 | 10650 | 0 |
| 406 | 0 | 2455 | 1 | 4504 | 1 | 6553 | 0 | 8602 | 0 | 10651 | 1 |
| 407 | 0 | 2456 | 0 | 4505 | 0 | 6554 | 1 | 8603 | 1 | 10652 | 0 |
| 408 | 0 | 2457 | 1 | 4506 | 0 | 6555 | 0 | 8604 | 0 | 10653 | 0 |
| 409 | 0 | 2458 | 1 | 4507 | 0 | 6556 | 0 | 8605 | 1 | 10654 | 1 |
| 410 | 0 | 2459 | 0 | 4508 | 1 | 6557 | 1 | 8606 | 1 | 10655 | 1 |
| 411 | 1 | 2460 | 1 | 4509 | 0 | 6558 | 0 | 8607 | 0 | 10656 | 0 |
| 412 | 1 | 2461 | 0 | 4510 | 1 | 6559 | 1 | 8608 | 0 | 10657 | 1 |
| 413 | 0 | 2462 | 1 | 4511 | 1 | 6560 | 0 | 8609 | 1 | 10658 | 1 |
| 414 | 1 | 2463 | 0 | 4512 | 0 | 6561 | 1 | 8610 | 0 | 10659 | 1 |
| 415 | 0 | 2464 | 1 | 4513 | 1 | 6562 | 0 | 8611 | 1 | 10660 | 1 |
| 416 | 1 | 2465 | 1 | 4514 | 1 | 6563 | 0 | 8612 | 0 | 10661 | 0 |
| 417 | 1 | 2466 | 1 | 4515 | 1 | 6564 | 0 | 8613 | 1 | 10662 | 0 |
| 418 | 0 | 2467 | 1 | 4516 | 0 | 6565 | 1 | 8614 | 0 | 10663 | 0 |
| 419 | 1 | 2468 | 1 | 4517 | 1 | 6566 | 0 | 8615 | 0 | 10664 | 1 |
| 420 | 0 | 2469 | 1 | 4518 | 0 | 6567 | 1 | 8616 | 1 | 10665 | 1 |
| 421 | 1 | 2470 | 0 | 4519 | 0 | 6568 | 1 | 8617 | 0 | 10666 | 1 |
| 422 | 1 | 2471 | 0 | 4520 | 1 | 6569 | 1 | 8618 | 1 | 10667 | 0 |
| 423 | 0 | 2472 | 0 | 4521 | 0 | 6570 | 1 | 8619 | 1 | 10668 | 1 |
| 424 | 0 | 2473 | 0 | 4522 | 0 | 6571 | 0 | 8620 | 0 | 10669 | 0 |
| 425 | 0 | 2474 | 1 | 4523 | 1 | 6572 | 0 | 8621 | 1 | 10670 | 0 |
| 426 | 0 | 2475 | 1 | 4524 | 1 | 6573 | 1 | 8622 | 0 | 10671 | 1 |
| 427 | 1 | 2476 | 0 | 4525 | 1 | 6574 | 0 | 8623 | 0 | 10672 | 1 |
| 428 | 0 | 2477 | 0 | 4526 | 1 | 6575 | 0 | 8624 | 1 | 10673 | 1 |
| 429 | 1 | 2478 | 0 | 4527 | 1 | 6576 | 1 | 8625 | 0 | 10674 | 1 |
| 430 | 1 | 2479 | 1 | 4528 | 0 | 6577 | 1 | 8626 | 0 | 10675 | 0 |
| 431 | 0 | 2480 | 1 | 4529 | 0 | 6578 | 0 | 8627 | 1 | 10676 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 432 | 0 | 2481 | 1 | 4530 | 0 | 6579 | 1 | 8628 | 0 | 10677 | 1 |
| 433 | 0 | 2482 | 1 | 4531 | 1 | 6580 | 1 | 8629 | 1 | 10678 | 1 |
| 434 | 0 | 2483 | 0 | 4532 | 0 | 6581 | 0 | 8630 | 1 | 10679 | 1 |
| 435 | 0 | 2484 | 1 | 4533 | 0 | 6582 | 1 | 8631 | 0 | 10680 | 0 |
| 436 | 1 | 2485 | 1 | 4534 | 0 | 6583 | 1 | 8632 | 1 | 10681 | 1 |
| 437 | 1 | 2486 | 1 | 4535 | 0 | 6584 | 0 | 8633 | 0 | 10682 | 0 |
| 438 | 0 | 2487 | 1 | 4536 | 1 | 6585 | 0 | 8634 | 0 | 10683 | 0 |
| 439 | 0 | 2488 | 1 | 4537 | 0 | 6586 | 0 | 8635 | 0 | 10684 | 1 |
| 440 | 0 | 2489 | 1 | 4538 | 1 | 6587 | 0 | 8636 | 1 | 10685 | 1 |
| 441 | 0 | 2490 | 0 | 4539 | 0 | 6588 | 1 | 8637 | 0 | 10686 | 0 |
| 442 | 1 | 2491 | 1 | 4540 | 1 | 6589 | 1 | 8638 | 1 | 10687 | 1 |
| 443 | 1 | 2492 | 1 | 4541 | 0 | 6590 | 1 | 8639 | 0 | 10688 | 1 |
| 444 | 1 | 2493 | 0 | 4542 | 0 | 6591 | 1 | 8640 | 1 | 10689 | 0 |
| 445 | 0 | 2494 | 1 | 4543 | 0 | 6592 | 0 | 8641 | 1 | 10690 | 0 |
| 446 | 1 | 2495 | 1 | 4544 | 0 | 6593 | 1 | 8642 | 1 | 10691 | 1 |
| 447 | 1 | 2496 | 0 | 4545 | 1 | 6594 | 1 | 8643 | 0 | 10692 | 1 |
| 448 | 0 | 2497 | 0 | 4546 | 0 | 6595 | 1 | 8644 | 0 | 10693 | 1 |
| 449 | 1 | 2498 | 0 | 4547 | 0 | 6596 | 1 | 8645 | 1 | 10694 | 1 |
| 450 | 0 | 2499 | 1 | 4548 | 0 | 6597 | 0 | 8646 | 1 | 10695 | 1 |
| 451 | 1 | 2500 | 1 | 4549 | 0 | 6598 | 1 | 8647 | 0 | 10696 | 1 |
| 452 | 0 | 2501 | 0 | 4550 | 0 | 6599 | 1 | 8648 | 1 | 10697 | 0 |
| 453 | 1 | 2502 | 1 | 4551 | 1 | 6600 | 1 | 8649 | 0 | 10698 | 0 |
| 454 | 1 | 2503 | 0 | 4552 | 0 | 6601 | 1 | 8650 | 0 | 10699 | 0 |
| 455 | 1 | 2504 | 0 | 4553 | 1 | 6602 | 1 | 8651 | 0 | 10700 | 1 |
| 456 | 1 | 2505 | 1 | 4554 | 0 | 6603 | 0 | 8652 | 0 | 10701 | 1 |
| 457 | 0 | 2506 | 1 | 4555 | 0 | 6604 | 1 | 8653 | 1 | 10702 | 1 |
| 458 | 1 | 2507 | 1 | 4556 | 0 | 6605 | 0 | 8654 | 1 | 10703 | 1 |
| 459 | 0 | 2508 | 0 | 4557 | 1 | 6606 | 1 | 8655 | 1 | 10704 | 0 |
| 460 | 1 | 2509 | 0 | 4558 | 0 | 6607 | 1 | 8656 | 0 | 10705 | 0 |
| 461 | 1 | 2510 | 0 | 4559 | 1 | 6608 | 0 | 8657 | 0 | 10706 | 0 |
| 462 | 1 | 2511 | 1 | 4560 | 1 | 6609 | 1 | 8658 | 1 | 10707 | 0 |
| 463 | 0 | 2512 | 1 | 4561 | 1 | 6610 | 0 | 8659 | 0 | 10708 | 0 |
| 464 | 0 | 2513 | 1 | 4562 | 1 | 6611 | 1 | 8660 | 1 | 10709 | 0 |
| 465 | 1 | 2514 | 1 | 4563 | 1 | 6612 | 0 | 8661 | 1 | 10710 | 0 |
| 466 | 0 | 2515 | 0 | 4564 | 0 | 6613 | 0 | 8662 | 1 | 10711 | 0 |
| 467 | 1 | 2516 | 0 | 4565 | 1 | 6614 | 0 | 8663 | 1 | 10712 | 1 |
| 468 | 0 | 2517 | 0 | 4566 | 0 | 6615 | 1 | 8664 | 1 | 10713 | 1 |
| 469 | 1 | 2518 | 0 | 4567 | 1 | 6616 | 0 | 8665 | 0 | 10714 | 0 |
| 470 | 0 | 2519 | 1 | 4568 | 1 | 6617 | 1 | 8666 | 0 | 10715 | 0 |
| 471 | 0 | 2520 | 0 | 4569 | 0 | 6618 | 1 | 8667 | 1 | 10716 | 1 |
| 472 | 1 | 2521 | 1 | 4570 | 0 | 6619 | 0 | 8668 | 0 | 10717 | 1 |
| 473 | 1 | 2522 | 0 | 4571 | 1 | 6620 | 1 | 8669 | 0 | 10718 | 0 |
| 474 | 0 | 2523 | 1 | 4572 | 0 | 6621 | 0 | 8670 | 0 | 10719 | 1 |
| 475 | 0 | 2524 | 0 | 4573 | 1 | 6622 | 0 | 8671 | 1 | 10720 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 476 | 0 | 2525 | 0 | 4574 | 1 | 6623 | 1 | 8672 | 0 | 10721 | 1 |
| 477 | 0 | 2526 | 0 | 4575 | 0 | 6624 | 1 | 8673 | 0 | 10722 | 0 |
| 478 | 0 | 2527 | 1 | 4576 | 1 | 6625 | 1 | 8674 | 0 | 10723 | 1 |
| 479 | 0 | 2528 | 0 | 4577 | 1 | 6626 | 1 | 8675 | 0 | 10724 | 0 |
| 480 | 1 | 2529 | 0 | 4578 | 1 | 6627 | 1 | 8676 | 1 | 10725 | 0 |
| 481 | 0 | 2530 | 1 | 4579 | 0 | 6628 | 0 | 8677 | 0 | 10726 | 0 |
| 482 | 1 | 2531 | 0 | 4580 | 1 | 6629 | 0 | 8678 | 0 | 10727 | 1 |
| 483 | 0 | 2532 | 0 | 4581 | 0 | 6630 | 1 | 8679 | 1 | 10728 | 0 |
| 484 | 1 | 2533 | 0 | 4582 | 0 | 6631 | 0 | 8680 | 0 | 10729 | 1 |
| 485 | 1 | 2534 | 0 | 4583 | 0 | 6632 | 1 | 8681 | 0 | 10730 | 0 |
| 486 | 0 | 2535 | 1 | 4584 | 1 | 6633 | 0 | 8682 | 0 | 10731 | 0 |
| 487 | 1 | 2536 | 1 | 4585 | 0 | 6634 | 0 | 8683 | 1 | 10732 | 0 |
| 488 | 1 | 2537 | 0 | 4586 | 0 | 6635 | 0 | 8684 | 1 | 10733 | 1 |
| 489 | 0 | 2538 | 0 | 4587 | 0 | 6636 | 0 | 8685 | 0 | 10734 | 1 |
| 490 | 1 | 2539 | 1 | 4588 | 1 | 6637 | 1 | 8686 | 0 | 10735 | 1 |
| 491 | 1 | 2540 | 1 | 4589 | 1 | 6638 | 0 | 8687 | 1 | 10736 | 1 |
| 492 | 0 | 2541 | 0 | 4590 | 1 | 6639 | 1 | 8688 | 1 | 10737 | 0 |
| 493 | 1 | 2542 | 1 | 4591 | 0 | 6640 | 1 | 8689 | 0 | 10738 | 1 |
| 494 | 0 | 2543 | 1 | 4592 | 1 | 6641 | 1 | 8690 | 1 | 10739 | 1 |
| 495 | 0 | 2544 | 0 | 4593 | 1 | 6642 | 1 | 8691 | 1 | 10740 | 1 |
| 496 | 0 | 2545 | 0 | 4594 | 1 | 6643 | 0 | 8692 | 1 | 10741 | 0 |
| 497 | 0 | 2546 | 1 | 4595 | 0 | 6644 | 1 | 8693 | 1 | 10742 | 0 |
| 498 | 1 | 2547 | 0 | 4596 | 0 | 6645 | 0 | 8694 | 0 | 10743 | 1 |
| 499 | 0 | 2548 | 1 | 4597 | 1 | 6646 | 0 | 8695 | 1 | 10744 | 1 |
| 500 | 1 | 2549 | 0 | 4598 | 0 | 6647 | 0 | 8696 | 0 | 10745 | 0 |
| 501 | 1 | 2550 | 0 | 4599 | 0 | 6648 | 1 | 8697 | 1 | 10746 | 1 |
| 502 | 1 | 2551 | 1 | 4600 | 0 | 6649 | 1 | 8698 | 1 | 10747 | 0 |
| 503 | 1 | 2552 | 1 | 4601 | 0 | 6650 | 1 | 8699 | 0 | 10748 | 1 |
| 504 | 1 | 2553 | 1 | 4602 | 0 | 6651 | 1 | 8700 | 0 | 10749 | 0 |
| 505 | 1 | 2554 | 0 | 4603 | 0 | 6652 | 0 | 8701 | 1 | 10750 | 0 |
| 506 | 0 | 2555 | 1 | 4604 | 1 | 6653 | 1 | 8702 | 1 | 10751 | 0 |
| 507 | 1 | 2556 | 1 | 4605 | 0 | 6654 | 1 | 8703 | 1 | 10752 | 0 |
| 508 | 1 | 2557 | 1 | 4606 | 1 | 6655 | 0 | 8704 | 0 | 10753 | 0 |
| 509 | 0 | 2558 | 0 | 4607 | 1 | 6656 | 1 | 8705 | 0 | 10754 | 1 |
| 510 | 1 | 2559 | 0 | 4608 | 0 | 6657 | 1 | 8706 | 1 | 10755 | 1 |
| 511 | 1 | 2560 | 1 | 4609 | 1 | 6658 | 0 | 8707 | 1 | 10756 | 1 |
| 512 | 1 | 2561 | 1 | 4610 | 0 | 6659 | 0 | 8708 | 0 | 10757 | 1 |
| 513 | 1 | 2562 | 1 | 4611 | 0 | 6660 | 1 | 8709 | 1 | 10758 | 0 |
| 514 | 1 | 2563 | 0 | 4612 | 0 | 6661 | 0 | 8710 | 1 | 10759 | 0 |
| 515 | 0 | 2564 | 1 | 4613 | 0 | 6662 | 0 | 8711 | 1 | 10760 | 1 |
| 516 | 1 | 2565 | 1 | 4614 | 1 | 6663 | 1 | 8712 | 1 | 10761 | 0 |
| 517 | 1 | 2566 | 0 | 4615 | 0 | 6664 | 1 | 8713 | 1 | 10762 | 0 |
| 518 | 1 | 2567 | 1 | 4616 | 1 | 6665 | 0 | 8714 | 1 | 10763 | 1 |
| 519 | 0 | 2568 | 1 | 4617 | 1 | 6666 | 1 | 8715 | 1 | 10764 | 1 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 520 | 0 | 2569 | 0 | 4618 | 0 | 6667 | 0 | 8716 | 1 | 10765 | 0 |
| 521 | 1 | 2570 | 0 | 4619 | 0 | 6668 | 0 | 8717 | 0 | 10766 | 1 |
| 522 | 1 | 2571 | 0 | 4620 | 1 | 6669 | 1 | 8718 | 1 | 10767 | 0 |
| 523 | 1 | 2572 | 0 | 4621 | 1 | 6670 | 0 | 8719 | 0 | 10768 | 1 |
| 524 | 0 | 2573 | 1 | 4622 | 1 | 6671 | 0 | 8720 | 0 | 10769 | 1 |
| 525 | 1 | 2574 | 1 | 4623 | 1 | 6672 | 1 | 8721 | 0 | 10770 | 1 |
| 526 | 1 | 2575 | 1 | 4624 | 1 | 6673 | 1 | 8722 | 0 | 10771 | 1 |
| 527 | 0 | 2576 | 0 | 4625 | 1 | 6674 | 0 | 8723 | 0 | 10772 | 0 |
| 528 | 1 | 2577 | 1 | 4626 | 0 | 6675 | 1 | 8724 | 1 | 10773 | 0 |
| 529 | 0 | 2578 | 0 | 4627 | 0 | 6676 | 0 | 8725 | 0 | 10774 | 1 |
| 530 | 1 | 2579 | 0 | 4628 | 0 | 6677 | 0 | 8726 | 0 | 10775 | 1 |
| 531 | 0 | 2580 | 1 | 4629 | 0 | 6678 | 1 | 8727 | 0 | 10776 | 1 |
| 532 | 0 | 2581 | 1 | 4630 | 0 | 6679 | 1 | 8728 | 0 | 10777 | 0 |
| 533 | 0 | 2582 | 1 | 4631 | 1 | 6680 | 0 | 8729 | 0 | 10778 | 0 |
| 534 | 0 | 2583 | 1 | 4632 | 0 | 6681 | 1 | 8730 | 0 | 10779 | 1 |
| 535 | 1 | 2584 | 0 | 4633 | 0 | 6682 | 1 | 8731 | 1 | 10780 | 1 |
| 536 | 1 | 2585 | 1 | 4634 | 1 | 6683 | 1 | 8732 | 1 | 10781 | 1 |
| 537 | 0 | 2586 | 0 | 4635 | 1 | 6684 | 0 | 8733 | 0 | 10782 | 0 |
| 538 | 0 | 2587 | 1 | 4636 | 1 | 6685 | 0 | 8734 | 1 | 10783 | 1 |
| 539 | 0 | 2588 | 1 | 4637 | 1 | 6686 | 0 | 8735 | 1 | 10784 | 1 |
| 540 | 0 | 2589 | 0 | 4638 | 1 | 6687 | 0 | 8736 | 1 | 10785 | 1 |
| 541 | 0 | 2590 | 1 | 4639 | 0 | 6688 | 1 | 8737 | 0 | 10786 | 1 |
| 542 | 1 | 2591 | 1 | 4640 | 1 | 6689 | 0 | 8738 | 1 | 10787 | 1 |
| 543 | 0 | 2592 | 1 | 4641 | 0 | 6690 | 1 | 8739 | 1 | 10788 | 0 |
| 544 | 1 | 2593 | 0 | 4642 | 1 | 6691 | 0 | 8740 | 0 | 10789 | 1 |
| 545 | 1 | 2594 | 0 | 4643 | 0 | 6692 | 1 | 8741 | 0 | 10790 | 0 |
| 546 | 0 | 2595 | 1 | 4644 | 0 | 6693 | 0 | 8742 | 0 | 10791 | 1 |
| 547 | 0 | 2596 | 1 | 4645 | 0 | 6694 | 1 | 8743 | 0 | 10792 | 1 |
| 548 | 1 | 2597 | 1 | 4646 | 1 | 6695 | 1 | 8744 | 1 | 10793 | 0 |
| 549 | 1 | 2598 | 0 | 4647 | 1 | 6696 | 1 | 8745 | 0 | 10794 | 1 |
| 550 | 0 | 2599 | 1 | 4648 | 0 | 6697 | 1 | 8746 | 1 | 10795 | 1 |
| 551 | 1 | 2600 | 1 | 4649 | 1 | 6698 | 0 | 8747 | 1 | 10796 | 0 |
| 552 | 1 | 2601 | 0 | 4650 | 0 | 6699 | 1 | 8748 | 1 | 10797 | 1 |
| 553 | 1 | 2602 | 1 | 4651 | 1 | 6700 | 0 | 8749 | 0 | 10798 | 0 |
| 554 | 1 | 2603 | 0 | 4652 | 1 | 6701 | 0 | 8750 | 1 | 10799 | 1 |
| 555 | 1 | 2604 | 0 | 4653 | 0 | 6702 | 1 | 8751 | 1 | 10800 | 1 |
| 556 | 0 | 2605 | 0 | 4654 | 1 | 6703 | 1 | 8752 | 0 | 10801 | 1 |
| 557 | 0 | 2606 | 1 | 4655 | 0 | 6704 | 1 | 8753 | 0 | 10802 | 1 |
| 558 | 0 | 2607 | 1 | 4656 | 0 | 6705 | 0 | 8754 | 1 | 10803 | 0 |
| 559 | 1 | 2608 | 1 | 4657 | 1 | 6706 | 1 | 8755 | 0 | 10804 | 1 |
| 560 | 0 | 2609 | 0 | 4658 | 0 | 6707 | 1 | 8756 | 1 | 10805 | 1 |
| 561 | 0 | 2610 | 1 | 4659 | 1 | 6708 | 0 | 8757 | 1 | 10806 | 0 |
| 562 | 0 | 2611 | 1 | 4660 | 0 | 6709 | 1 | 8758 | 1 | 10807 | 0 |
| 563 | 0 | 2612 | 0 | 4661 | 1 | 6710 | 1 | 8759 | 0 | 10808 | 1 |

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|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 564 | 1 | 2613 | 0 | 4662 | 1 | 6711 | 0 | 8760 | 1 | 10809 | 0 |
| 565 | 1 | 2614 | 1 | 4663 | 0 | 6712 | 1 | 8761 | 1 | 10810 | 0 |
| 566 | 0 | 2615 | 1 | 4664 | 0 | 6713 | 0 | 8762 | 1 | 10811 | 1 |
| 567 | 1 | 2616 | 1 | 4665 | 1 | 6714 | 1 | 8763 | 0 | 10812 | 1 |
| 568 | 1 | 2617 | 0 | 4666 | 0 | 6715 | 1 | 8764 | 0 | 10813 | 0 |
| 569 | 1 | 2618 | 1 | 4667 | 1 | 6716 | 0 | 8765 | 0 | 10814 | 1 |
| 570 | 0 | 2619 | 0 | 4668 | 1 | 6717 | 1 | 8766 | 0 | 10815 | 1 |
| 571 | 0 | 2620 | 0 | 4669 | 1 | 6718 | 0 | 8767 | 0 | 10816 | 1 |
| 572 | 0 | 2621 | 0 | 4670 | 0 | 6719 | 0 | 8768 | 0 | 10817 | 1 |
| 573 | 0 | 2622 | 0 | 4671 | 1 | 6720 | 0 | 8769 | 1 | 10818 | 0 |
| 574 | 0 | 2623 | 0 | 4672 | 1 | 6721 | 1 | 8770 | 0 | 10819 | 1 |
| 575 | 0 | 2624 | 0 | 4673 | 1 | 6722 | 0 | 8771 | 1 | 10820 | 0 |
| 576 | 0 | 2625 | 1 | 4674 | 0 | 6723 | 0 | 8772 | 1 | 10821 | 0 |
| 577 | 1 | 2626 | 1 | 4675 | 1 | 6724 | 0 | 8773 | 1 | 10822 | 1 |
| 578 | 0 | 2627 | 1 | 4676 | 1 | 6725 | 0 | 8774 | 1 | 10823 | 0 |
| 579 | 1 | 2628 | 0 | 4677 | 1 | 6726 | 1 | 8775 | 0 | 10824 | 1 |
| 580 | 1 | 2629 | 1 | 4678 | 0 | 6727 | 0 | 8776 | 0 | 10825 | 1 |
| 581 | 0 | 2630 | 1 | 4679 | 1 | 6728 | 1 | 8777 | 0 | 10826 | 0 |
| 582 | 0 | 2631 | 0 | 4680 | 0 | 6729 | 1 | 8778 | 0 | 10827 | 1 |
| 583 | 1 | 2632 | 1 | 4681 | 0 | 6730 | 1 | 8779 | 1 | 10828 | 1 |
| 584 | 1 | 2633 | 0 | 4682 | 0 | 6731 | 0 | 8780 | 0 | 10829 | 1 |
| 585 | 1 | 2634 | 0 | 4683 | 1 | 6732 | 1 | 8781 | 0 | 10830 | 0 |
| 586 | 0 | 2635 | 1 | 4684 | 1 | 6733 | 0 | 8782 | 1 | 10831 | 0 |
| 587 | 0 | 2636 | 1 | 4685 | 1 | 6734 | 0 | 8783 | 1 | 10832 | 1 |
| 588 | 1 | 2637 | 1 | 4686 | 1 | 6735 | 0 | 8784 | 1 | 10833 | 0 |
| 589 | 1 | 2638 | 1 | 4687 | 1 | 6736 | 1 | 8785 | 1 | 10834 | 0 |
| 590 | 0 | 2639 | 1 | 4688 | 1 | 6737 | 1 | 8786 | 1 | 10835 | 0 |
| 591 | 1 | 2640 | 0 | 4689 | 0 | 6738 | 1 | 8787 | 1 | 10836 | 1 |
| 592 | 0 | 2641 | 0 | 4690 | 0 | 6739 | 0 | 8788 | 1 | 10837 | 1 |
| 593 | 0 | 2642 | 0 | 4691 | 1 | 6740 | 1 | 8789 | 0 | 10838 | 1 |
| 594 | 0 | 2643 | 1 | 4692 | 1 | 6741 | 0 | 8790 | 1 | 10839 | 1 |
| 595 | 1 | 2644 | 1 | 4693 | 0 | 6742 | 1 | 8791 | 1 | 10840 | 0 |
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| 599 | 1 | 2648 | 1 | 4697 | 1 | 6746 | 1 | 8795 | 0 | 10844 | 1 |
| 600 | 1 | 2649 | 0 | 4698 | 0 | 6747 | 0 | 8796 | 0 | 10845 | 0 |
| 601 | 1 | 2650 | 0 | 4699 | 0 | 6748 | 1 | 8797 | 1 | 10846 | 0 |
| 602 | 0 | 2651 | 1 | 4700 | 1 | 6749 | 0 | 8798 | 1 | 10847 | 0 |
| 603 | 0 | 2652 | 0 | 4701 | 1 | 6750 | 0 | 8799 | 1 | 10848 | 1 |
| 604 | 0 | 2653 | 0 | 4702 | 1 | 6751 | 0 | 8800 | 1 | 10849 | 1 |
| 605 | 0 | 2654 | 0 | 4703 | 1 | 6752 | 0 | 8801 | 1 | 10850 | 0 |
| 606 | 1 | 2655 | 1 | 4704 | 0 | 6753 | 0 | 8802 | 0 | 10851 | 1 |
| 607 | 0 | 2656 | 0 | 4705 | 1 | 6754 | 1 | 8803 | 1 | 10852 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 608 | 0 | 2657 | 1 | 4706 | 0 | 6755 | 0 | 8804 | 1 | 10853 | 1 |
| 609 | 0 | 2658 | 0 | 4707 | 0 | 6756 | 1 | 8805 | 1 | 10854 | 1 |
| 610 | 0 | 2659 | 1 | 4708 | 0 | 6757 | 0 | 8806 | 1 | 10855 | 1 |
| 611 | 1 | 2660 | 0 | 4709 | 1 | 6758 | 0 | 8807 | 0 | 10856 | 1 |
| 612 | 1 | 2661 | 1 | 4710 | 0 | 6759 | 1 | 8808 | 0 | 10857 | 1 |
| 613 | 0 | 2662 | 0 | 4711 | 1 | 6760 | 0 | 8809 | 1 | 10858 | 1 |
| 614 | 1 | 2663 | 1 | 4712 | 1 | 6761 | 0 | 8810 | 0 | 10859 | 0 |
| 615 | 0 | 2664 | 1 | 4713 | 1 | 6762 | 0 | 8811 | 0 | 10860 | 1 |
| 616 | 1 | 2665 | 0 | 4714 | 1 | 6763 | 0 | 8812 | 1 | 10861 | 1 |
| 617 | 0 | 2666 | 1 | 4715 | 0 | 6764 | 1 | 8813 | 0 | 10862 | 1 |
| 618 | 1 | 2667 | 1 | 4716 | 1 | 6765 | 1 | 8814 | 1 | 10863 | 1 |
| 619 | 1 | 2668 | 1 | 4717 | 0 | 6766 | 0 | 8815 | 1 | 10864 | 1 |
| 620 | 1 | 2669 | 0 | 4718 | 1 | 6767 | 0 | 8816 | 0 | 10865 | 1 |
| 621 | 0 | 2670 | 1 | 4719 | 1 | 6768 | 1 | 8817 | 1 | 10866 | 0 |
| 622 | 0 | 2671 | 1 | 4720 | 0 | 6769 | 0 | 8818 | 0 | 10867 | 0 |
| 623 | 0 | 2672 | 0 | 4721 | 0 | 6770 | 0 | 8819 | 1 | 10868 | 0 |
| 624 | 0 | 2673 | 0 | 4722 | 0 | 6771 | 0 | 8820 | 0 | 10869 | 0 |
| 625 | 0 | 2674 | 1 | 4723 | 1 | 6772 | 0 | 8821 | 0 | 10870 | 0 |
| 626 | 0 | 2675 | 0 | 4724 | 0 | 6773 | 1 | 8822 | 0 | 10871 | 1 |
| 627 | 0 | 2676 | 0 | 4725 | 0 | 6774 | 1 | 8823 | 1 | 10872 | 0 |
| 628 | 0 | 2677 | 0 | 4726 | 0 | 6775 | 0 | 8824 | 0 | 10873 | 0 |
| 629 | 0 | 2678 | 1 | 4727 | 0 | 6776 | 1 | 8825 | 0 | 10874 | 0 |
| 630 | 0 | 2679 | 1 | 4728 | 1 | 6777 | 0 | 8826 | 1 | 10875 | 1 |
| 631 | 1 | 2680 | 0 | 4729 | 0 | 6778 | 0 | 8827 | 1 | 10876 | 1 |
| 632 | 0 | 2681 | 0 | 4730 | 0 | 6779 | 0 | 8828 | 0 | 10877 | 0 |
| 633 | 0 | 2682 | 0 | 4731 | 0 | 6780 | 0 | 8829 | 1 | 10878 | 1 |
| 634 | 1 | 2683 | 1 | 4732 | 1 | 6781 | 0 | 8830 | 0 | 10879 | 0 |
| 635 | 1 | 2684 | 0 | 4733 | 1 | 6782 | 0 | 8831 | 0 | 10880 | 1 |
| 636 | 1 | 2685 | 0 | 4734 | 1 | 6783 | 1 | 8832 | 1 | 10881 | 0 |
| 637 | 0 | 2686 | 1 | 4735 | 1 | 6784 | 0 | 8833 | 0 | 10882 | 1 |
| 638 | 1 | 2687 | 1 | 4736 | 0 | 6785 | 1 | 8834 | 0 | 10883 | 0 |
| 639 | 0 | 2688 | 0 | 4737 | 0 | 6786 | 0 | 8835 | 1 | 10884 | 1 |
| 640 | 0 | 2689 | 0 | 4738 | 1 | 6787 | 1 | 8836 | 1 | 10885 | 1 |
| 641 | 1 | 2690 | 0 | 4739 | 0 | 6788 | 0 | 8837 | 1 | 10886 | 0 |
| 642 | 0 | 2691 | 0 | 4740 | 0 | 6789 | 1 | 8838 | 0 | 10887 | 0 |
| 643 | 1 | 2692 | 1 | 4741 | 1 | 6790 | 0 | 8839 | 1 | 10888 | 0 |
| 644 | 1 | 2693 | 1 | 4742 | 1 | 6791 | 0 | 8840 | 1 | 10889 | 0 |
| 645 | 1 | 2694 | 0 | 4743 | 1 | 6792 | 0 | 8841 | 0 | 10890 | 0 |
| 646 | 1 | 2695 | 1 | 4744 | 0 | 6793 | 0 | 8842 | 1 | 10891 | 0 |
| 647 | 1 | 2696 | 1 | 4745 | 0 | 6794 | 1 | 8843 | 0 | 10892 | 0 |
| 648 | 0 | 2697 | 0 | 4746 | 1 | 6795 | 1 | 8844 | 0 | 10893 | 0 |
| 649 | 1 | 2698 | 1 | 4747 | 1 | 6796 | 1 | 8845 | 1 | 10894 | 1 |
| 650 | 0 | 2699 | 1 | 4748 | 1 | 6797 | 0 | 8846 | 0 | 10895 | 1 |
| 651 | 0 | 2700 | 0 | 4749 | 0 | 6798 | 1 | 8847 | 1 | 10896 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 652 | 0 | 2701 | 0 | 4750 | 0 | 6799 | 0 | 8848 | 1 | 10897 | 0 |
| 653 | 1 | 2702 | 0 | 4751 | 0 | 6800 | 1 | 8849 | 1 | 10898 | 1 |
| 654 | 1 | 2703 | 1 | 4752 | 0 | 6801 | 1 | 8850 | 0 | 10899 | 0 |
| 655 | 1 | 2704 | 0 | 4753 | 0 | 6802 | 0 | 8851 | 0 | 10900 | 1 |
| 656 | 0 | 2705 | 1 | 4754 | 0 | 6803 | 0 | 8852 | 0 | 10901 | 1 |
| 657 | 1 | 2706 | 1 | 4755 | 0 | 6804 | 1 | 8853 | 0 | 10902 | 1 |
| 658 | 1 | 2707 | 1 | 4756 | 0 | 6805 | 0 | 8854 | 0 | 10903 | 0 |
| 659 | 0 | 2708 | 1 | 4757 | 1 | 6806 | 0 | 8855 | 0 | 10904 | 1 |
| 660 | 0 | 2709 | 1 | 4758 | 1 | 6807 | 1 | 8856 | 1 | 10905 | 1 |
| 661 | 0 | 2710 | 0 | 4759 | 0 | 6808 | 0 | 8857 | 1 | 10906 | 0 |
| 662 | 0 | 2711 | 0 | 4760 | 0 | 6809 | 0 | 8858 | 0 | 10907 | 1 |
| 663 | 1 | 2712 | 1 | 4761 | 0 | 6810 | 1 | 8859 | 0 | 10908 | 0 |
| 664 | 0 | 2713 | 0 | 4762 | 1 | 6811 | 0 | 8860 | 0 | 10909 | 0 |
| 665 | 1 | 2714 | 0 | 4763 | 1 | 6812 | 1 | 8861 | 1 | 10910 | 0 |
| 666 | 0 | 2715 | 0 | 4764 | 0 | 6813 | 1 | 8862 | 1 | 10911 | 0 |
| 667 | 1 | 2716 | 1 | 4765 | 0 | 6814 | 0 | 8863 | 1 | 10912 | 1 |
| 668 | 0 | 2717 | 1 | 4766 | 1 | 6815 | 1 | 8864 | 0 | 10913 | 1 |
| 669 | 1 | 2718 | 1 | 4767 | 0 | 6816 | 1 | 8865 | 0 | 10914 | 1 |
| 670 | 1 | 2719 | 0 | 4768 | 0 | 6817 | 0 | 8866 | 0 | 10915 | 1 |
| 671 | 1 | 2720 | 1 | 4769 | 0 | 6818 | 1 | 8867 | 0 | 10916 | 0 |
| 672 | 1 | 2721 | 0 | 4770 | 1 | 6819 | 1 | 8868 | 1 | 10917 | 0 |
| 673 | 1 | 2722 | 0 | 4771 | 0 | 6820 | 0 | 8869 | 1 | 10918 | 0 |
| 674 | 1 | 2723 | 0 | 4772 | 0 | 6821 | 1 | 8870 | 0 | 10919 | 1 |
| 675 | 0 | 2724 | 0 | 4773 | 0 | 6822 | 1 | 8871 | 1 | 10920 | 1 |
| 676 | 1 | 2725 | 0 | 4774 | 1 | 6823 | 0 | 8872 | 1 | 10921 | 1 |
| 677 | 0 | 2726 | 0 | 4775 | 0 | 6824 | 1 | 8873 | 0 | 10922 | 1 |
| 678 | 1 | 2727 | 0 | 4776 | 1 | 6825 | 1 | 8874 | 0 | 10923 | 0 |
| 679 | 1 | 2728 | 1 | 4777 | 0 | 6826 | 1 | 8875 | 1 | 10924 | 0 |
| 680 | 1 | 2729 | 0 | 4778 | 1 | 6827 | 0 | 8876 | 0 | 10925 | 1 |
| 681 | 1 | 2730 | 1 | 4779 | 1 | 6828 | 1 | 8877 | 1 | 10926 | 1 |
| 682 | 0 | 2731 | 1 | 4780 | 0 | 6829 | 0 | 8878 | 1 | 10927 | 0 |
| 683 | 1 | 2732 | 0 | 4781 | 0 | 6830 | 1 | 8879 | 0 | 10928 | 1 |
| 684 | 1 | 2733 | 0 | 4782 | 1 | 6831 | 1 | 8880 | 0 | 10929 | 1 |
| 685 | 1 | 2734 | 0 | 4783 | 0 | 6832 | 0 | 8881 | 1 | 10930 | 0 |
| 686 | 1 | 2735 | 1 | 4784 | 1 | 6833 | 0 | 8882 | 1 | 10931 | 0 |
| 687 | 1 | 2736 | 0 | 4785 | 1 | 6834 | 1 | 8883 | 1 | 10932 | 0 |
| 688 | 0 | 2737 | 1 | 4786 | 1 | 6835 | 1 | 8884 | 1 | 10933 | 0 |
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| 690 | 1 | 2739 | 1 | 4788 | 1 | 6837 | 1 | 8886 | 1 | 10935 | 1 |
| 691 | 0 | 2740 | 1 | 4789 | 0 | 6838 | 0 | 8887 | 0 | 10936 | 1 |
| 692 | 1 | 2741 | 1 | 4790 | 1 | 6839 | 0 | 8888 | 0 | 10937 | 0 |
| 693 | 0 | 2742 | 1 | 4791 | 1 | 6840 | 0 | 8889 | 1 | 10938 | 0 |
| 694 | 1 | 2743 | 0 | 4792 | 0 | 6841 | 1 | 8890 | 1 | 10939 | 1 |
| 695 | 0 | 2744 | 0 | 4793 | 1 | 6842 | 1 | 8891 | 0 | 10940 | 0 |

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|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 696 | 1 | 2745 | 0 | 4794 | 1 | 6843 | 1 | 8892 | 0 | 10941 | 0 |
| 697 | 0 | 2746 | 0 | 4795 | 1 | 6844 | 0 | 8893 | 0 | 10942 | 0 |
| 698 | 1 | 2747 | 1 | 4796 | 0 | 6845 | 0 | 8894 | 0 | 10943 | 0 |
| 699 | 0 | 2748 | 0 | 4797 | 0 | 6846 | 1 | 8895 | 1 | 10944 | 1 |
| 700 | 1 | 2749 | 0 | 4798 | 1 | 6847 | 0 | 8896 | 1 | 10945 | 0 |
| 701 | 1 | 2750 | 1 | 4799 | 1 | 6848 | 1 | 8897 | 0 | 10946 | 1 |
| 702 | 0 | 2751 | 1 | 4800 | 1 | 6849 | 0 | 8898 | 0 | 10947 | 0 |
| 703 | 0 | 2752 | 1 | 4801 | 1 | 6850 | 1 | 8899 | 0 | 10948 | 1 |
| 704 | 0 | 2753 | 0 | 4802 | 0 | 6851 | 0 | 8900 | 1 | 10949 | 0 |
| 705 | 1 | 2754 | 0 | 4803 | 1 | 6852 | 1 | 8901 | 0 | 10950 | 1 |
| 706 | 0 | 2755 | 1 | 4804 | 0 | 6853 | 1 | 8902 | 1 | 10951 | 1 |
| 707 | 0 | 2756 | 0 | 4805 | 1 | 6854 | 0 | 8903 | 0 | 10952 | 1 |
| 708 | 1 | 2757 | 1 | 4806 | 0 | 6855 | 1 | 8904 | 1 | 10953 | 1 |
| 709 | 1 | 2758 | 0 | 4807 | 0 | 6856 | 1 | 8905 | 1 | 10954 | 0 |
| 710 | 0 | 2759 | 1 | 4808 | 1 | 6857 | 1 | 8906 | 1 | 10955 | 1 |
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| 712 | 1 | 2761 | 1 | 4810 | 1 | 6859 | 0 | 8908 | 1 | 10957 | 0 |
| 713 | 0 | 2762 | 1 | 4811 | 0 | 6860 | 0 | 8909 | 0 | 10958 | 1 |
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| 715 | 0 | 2764 | 1 | 4813 | 1 | 6862 | 0 | 8911 | 1 | 10960 | 1 |
| 716 | 0 | 2765 | 0 | 4814 | 0 | 6863 | 1 | 8912 | 0 | 10961 | 1 |
| 717 | 0 | 2766 | 1 | 4815 | 1 | 6864 | 1 | 8913 | 1 | 10962 | 1 |
| 718 | 1 | 2767 | 1 | 4816 | 1 | 6865 | 0 | 8914 | 0 | 10963 | 1 |
| 719 | 0 | 2768 | 0 | 4817 | 0 | 6866 | 0 | 8915 | 1 | 10964 | 1 |
| 720 | 1 | 2769 | 1 | 4818 | 0 | 6867 | 1 | 8916 | 0 | 10965 | 0 |
| 721 | 0 | 2770 | 0 | 4819 | 0 | 6868 | 0 | 8917 | 1 | 10966 | 0 |
| 722 | 0 | 2771 | 1 | 4820 | 0 | 6869 | 0 | 8918 | 0 | 10967 | 0 |
| 723 | 1 | 2772 | 0 | 4821 | 1 | 6870 | 0 | 8919 | 0 | 10968 | 0 |
| 724 | 0 | 2773 | 1 | 4822 | 0 | 6871 | 1 | 8920 | 1 | 10969 | 0 |
| 725 | 0 | 2774 | 1 | 4823 | 0 | 6872 | 0 | 8921 | 0 | 10970 | 0 |
| 726 | 1 | 2775 | 0 | 4824 | 1 | 6873 | 1 | 8922 | 0 | 10971 | 0 |
| 727 | 1 | 2776 | 0 | 4825 | 0 | 6874 | 0 | 8923 | 1 | 10972 | 0 |
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| 729 | 1 | 2778 | 1 | 4827 | 1 | 6876 | 0 | 8925 | 1 | 10974 | 1 |
| 730 | 0 | 2779 | 1 | 4828 | 0 | 6877 | 0 | 8926 | 1 | 10975 | 0 |
| 731 | 0 | 2780 | 1 | 4829 | 0 | 6878 | 0 | 8927 | 0 | 10976 | 1 |
| 732 | 1 | 2781 | 1 | 4830 | 1 | 6879 | 0 | 8928 | 1 | 10977 | 1 |
| 733 | 1 | 2782 | 0 | 4831 | 0 | 6880 | 0 | 8929 | 1 | 10978 | 1 |
| 734 | 0 | 2783 | 0 | 4832 | 1 | 6881 | 0 | 8930 | 0 | 10979 | 1 |
| 735 | 0 | 2784 | 0 | 4833 | 1 | 6882 | 0 | 8931 | 0 | 10980 | 0 |
| 736 | 1 | 2785 | 1 | 4834 | 0 | 6883 | 1 | 8932 | 0 | 10981 | 1 |
| 737 | 0 | 2786 | 1 | 4835 | 0 | 6884 | 0 | 8933 | 1 | 10982 | 1 |
| 738 | 0 | 2787 | 1 | 4836 | 0 | 6885 | 0 | 8934 | 0 | 10983 | 0 |
| 739 | 1 | 2788 | 0 | 4837 | 0 | 6886 | 0 | 8935 | 0 | 10984 | 1 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 740 | 1 | 2789 | 0 | 4838 | 0 | 6887 | 1 | 8936 | 1 | 10985 | 0 |
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| 742 | 1 | 2791 | 1 | 4840 | 1 | 6889 | 1 | 8938 | 1 | 10987 | 1 |
| 743 | 1 | 2792 | 0 | 4841 | 1 | 6890 | 0 | 8939 | 0 | 10988 | 0 |
| 744 | 0 | 2793 | 1 | 4842 | 1 | 6891 | 1 | 8940 | 1 | 10989 | 0 |
| 745 | 0 | 2794 | 0 | 4843 | 1 | 6892 | 1 | 8941 | 0 | 10990 | 1 |
| 746 | 0 | 2795 | 1 | 4844 | 1 | 6893 | 1 | 8942 | 0 | 10991 | 0 |
| 747 | 0 | 2796 | 0 | 4845 | 0 | 6894 | 1 | 8943 | 0 | 10992 | 0 |
| 748 | 0 | 2797 | 0 | 4846 | 1 | 6895 | 0 | 8944 | 1 | 10993 | 0 |
| 749 | 1 | 2798 | 0 | 4847 | 0 | 6896 | 1 | 8945 | 0 | 10994 | 1 |
| 750 | 0 | 2799 | 0 | 4848 | 0 | 6897 | 0 | 8946 | 0 | 10995 | 0 |
| 751 | 1 | 2800 | 0 | 4849 | 1 | 6898 | 0 | 8947 | 1 | 10996 | 0 |
| 752 | 0 | 2801 | 1 | 4850 | 1 | 6899 | 0 | 8948 | 1 | 10997 | 0 |
| 753 | 0 | 2802 | 1 | 4851 | 0 | 6900 | 1 | 8949 | 0 | 10998 | 1 |
| 754 | 1 | 2803 | 1 | 4852 | 0 | 6901 | 0 | 8950 | 0 | 10999 | 0 |
| 755 | 0 | 2804 | 1 | 4853 | 0 | 6902 | 1 | 8951 | 0 | 11000 | 0 |
| 756 | 0 | 2805 | 0 | 4854 | 0 | 6903 | 0 | 8952 | 1 | 11001 | 1 |
| 757 | 0 | 2806 | 1 | 4855 | 0 | 6904 | 0 | 8953 | 1 | 11002 | 0 |
| 758 | 0 | 2807 | 1 | 4856 | 1 | 6905 | 0 | 8954 | 1 | 11003 | 0 |
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| 762 | 1 | 2811 | 1 | 4860 | 1 | 6909 | 1 | 8958 | 0 | 11007 | 1 |
| 763 | 1 | 2812 | 0 | 4861 | 1 | 6910 | 0 | 8959 | 1 | 11008 | 1 |
| 764 | 0 | 2813 | 0 | 4862 | 1 | 6911 | 0 | 8960 | 1 | 11009 | 0 |
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| 768 | 1 | 2817 | 0 | 4866 | 0 | 6915 | 0 | 8964 | 0 | 11013 | 0 |
| 769 | 0 | 2818 | 0 | 4867 | 0 | 6916 | 1 | 8965 | 0 | 11014 | 0 |
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| 771 | 0 | 2820 | 1 | 4869 | 0 | 6918 | 1 | 8967 | 1 | 11016 | 1 |
| 772 | 1 | 2821 | 1 | 4870 | 1 | 6919 | 1 | 8968 | 1 | 11017 | 0 |
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| 774 | 0 | 2823 | 0 | 4872 | 0 | 6921 | 0 | 8970 | 1 | 11019 | 0 |
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| 776 | 1 | 2825 | 0 | 4874 | 1 | 6923 | 1 | 8972 | 1 | 11021 | 0 |
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| 778 | 0 | 2827 | 1 | 4876 | 1 | 6925 | 0 | 8974 | 1 | 11023 | 1 |
| 779 | 1 | 2828 | 0 | 4877 | 0 | 6926 | 0 | 8975 | 1 | 11024 | 0 |
| 780 | 1 | 2829 | 0 | 4878 | 0 | 6927 | 1 | 8976 | 1 | 11025 | 0 |
| 781 | 0 | 2830 | 1 | 4879 | 1 | 6928 | 0 | 8977 | 0 | 11026 | 0 |
| 782 | 1 | 2831 | 0 | 4880 | 1 | 6929 | 0 | 8978 | 0 | 11027 | 1 |
| 783 | 0 | 2832 | 0 | 4881 | 1 | 6930 | 1 | 8979 | 0 | 11028 | 1 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 784 | 1 | 2833 | 0 | 4882 | 0 | 6931 | 0 | 8980 | 1 | 11029 | 0 |
| 785 | 1 | 2834 | 1 | 4883 | 0 | 6932 | 0 | 8981 | 1 | 11030 | 0 |
| 786 | 1 | 2835 | 1 | 4884 | 1 | 6933 | 1 | 8982 | 1 | 11031 | 0 |
| 787 | 0 | 2836 | 0 | 4885 | 1 | 6934 | 1 | 8983 | 1 | 11032 | 0 |
| 788 | 1 | 2837 | 1 | 4886 | 0 | 6935 | 0 | 8984 | 1 | 11033 | 1 |
| 789 | 0 | 2838 | 1 | 4887 | 1 | 6936 | 1 | 8985 | 0 | 11034 | 1 |
| 790 | 1 | 2839 | 0 | 4888 | 1 | 6937 | 0 | 8986 | 0 | 11035 | 0 |
| 791 | 0 | 2840 | 0 | 4889 | 1 | 6938 | 1 | 8987 | 1 | 11036 | 0 |
| 792 | 1 | 2841 | 0 | 4890 | 1 | 6939 | 0 | 8988 | 0 | 11037 | 1 |
| 793 | 1 | 2842 | 0 | 4891 | 1 | 6940 | 1 | 8989 | 0 | 11038 | 0 |
| 794 | 0 | 2843 | 1 | 4892 | 1 | 6941 | 0 | 8990 | 1 | 11039 | 0 |
| 795 | 1 | 2844 | 1 | 4893 | 1 | 6942 | 0 | 8991 | 1 | 11040 | 0 |
| 796 | 0 | 2845 | 0 | 4894 | 1 | 6943 | 0 | 8992 | 1 | 11041 | 1 |
| 797 | 1 | 2846 | 1 | 4895 | 1 | 6944 | 0 | 8993 | 1 | 11042 | 1 |
| 798 | 0 | 2847 | 0 | 4896 | 0 | 6945 | 1 | 8994 | 1 | 11043 | 0 |
| 799 | 0 | 2848 | 0 | 4897 | 0 | 6946 | 1 | 8995 | 1 | 11044 | 0 |
| 800 | 0 | 2849 | 0 | 4898 | 0 | 6947 | 0 | 8996 | 1 | 11045 | 0 |
| 801 | 1 | 2850 | 1 | 4899 | 0 | 6948 | 0 | 8997 | 1 | 11046 | 1 |
| 802 | 0 | 2851 | 0 | 4900 | 0 | 6949 | 1 | 8998 | 0 | 11047 | 0 |
| 803 | 0 | 2852 | 0 | 4901 | 0 | 6950 | 0 | 8999 | 0 | 11048 | 0 |
| 804 | 1 | 2853 | 0 | 4902 | 0 | 6951 | 1 | 9000 | 0 | 11049 | 1 |
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| 806 | 1 | 2855 | 0 | 4904 | 0 | 6953 | 1 | 9002 | 0 | 11051 | 0 |
| 807 | 0 | 2856 | 0 | 4905 | 0 | 6954 | 0 | 9003 | 0 | 11052 | 0 |
| 808 | 1 | 2857 | 0 | 4906 | 1 | 6955 | 0 | 9004 | 0 | 11053 | 0 |
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| 810 | 0 | 2859 | 1 | 4908 | 1 | 6957 | 1 | 9006 | 0 | 11055 | 1 |
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| 812 | 0 | 2861 | 0 | 4910 | 1 | 6959 | 1 | 9008 | 1 | 11057 | 0 |
| 813 | 1 | 2862 | 0 | 4911 | 1 | 6960 | 1 | 9009 | 1 | 11058 | 0 |
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| 815 | 1 | 2864 | 1 | 4913 | 0 | 6962 | 0 | 9011 | 1 | 11060 | 1 |
| 816 | 0 | 2865 | 0 | 4914 | 0 | 6963 | 1 | 9012 | 0 | 11061 | 0 |
| 817 | 0 | 2866 | 1 | 4915 | 1 | 6964 | 1 | 9013 | 0 | 11062 | 1 |
| 818 | 1 | 2867 | 1 | 4916 | 0 | 6965 | 1 | 9014 | 0 | 11063 | 0 |
| 819 | 1 | 2868 | 1 | 4917 | 1 | 6966 | 1 | 9015 | 1 | 11064 | 1 |
| 820 | 0 | 2869 | 1 | 4918 | 1 | 6967 | 0 | 9016 | 0 | 11065 | 0 |
| 821 | 0 | 2870 | 1 | 4919 | 1 | 6968 | 1 | 9017 | 0 | 11066 | 0 |
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| 823 | 1 | 2872 | 1 | 4921 | 1 | 6970 | 0 | 9019 | 0 | 11068 | 0 |
| 824 | 0 | 2873 | 0 | 4922 | 1 | 6971 | 1 | 9020 | 1 | 11069 | 0 |
| 825 | 1 | 2874 | 1 | 4923 | 0 | 6972 | 1 | 9021 | 1 | 11070 | 0 |
| 826 | 1 | 2875 | 1 | 4924 | 0 | 6973 | 0 | 9022 | 0 | 11071 | 1 |
| 827 | 0 | 2876 | 1 | 4925 | 1 | 6974 | 0 | 9023 | 0 | 11072 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 828 | 0 | 2877 | 1 | 4926 | 0 | 6975 | 1 | 9024 | 1 | 11073 | 0 |
| 829 | 0 | 2878 | 0 | 4927 | 0 | 6976 | 0 | 9025 | 1 | 11074 | 1 |
| 830 | 0 | 2879 | 0 | 4928 | 1 | 6977 | 0 | 9026 | 1 | 11075 | 1 |
| 831 | 1 | 2880 | 0 | 4929 | 1 | 6978 | 1 | 9027 | 0 | 11076 | 1 |
| 832 | 0 | 2881 | 1 | 4930 | 1 | 6979 | 1 | 9028 | 0 | 11077 | 1 |
| 833 | 1 | 2882 | 0 | 4931 | 0 | 6980 | 0 | 9029 | 1 | 11078 | 0 |
| 834 | 0 | 2883 | 0 | 4932 | 0 | 6981 | 0 | 9030 | 1 | 11079 | 1 |
| 835 | 0 | 2884 | 0 | 4933 | 1 | 6982 | 1 | 9031 | 0 | 11080 | 0 |
| 836 | 0 | 2885 | 1 | 4934 | 1 | 6983 | 0 | 9032 | 1 | 11081 | 0 |
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| 838 | 1 | 2887 | 1 | 4936 | 1 | 6985 | 1 | 9034 | 1 | 11083 | 0 |
| 839 | 0 | 2888 | 0 | 4937 | 0 | 6986 | 0 | 9035 | 1 | 11084 | 0 |
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| 841 | 0 | 2890 | 1 | 4939 | 1 | 6988 | 0 | 9037 | 1 | 11086 | 0 |
| 842 | 0 | 2891 | 0 | 4940 | 1 | 6989 | 0 | 9038 | 1 | 11087 | 1 |
| 843 | 0 | 2892 | 1 | 4941 | 1 | 6990 | 0 | 9039 | 0 | 11088 | 1 |
| 844 | 0 | 2893 | 1 | 4942 | 0 | 6991 | 0 | 9040 | 1 | 11089 | 0 |
| 845 | 0 | 2894 | 0 | 4943 | 1 | 6992 | 1 | 9041 | 0 | 11090 | 1 |
| 846 | 0 | 2895 | 0 | 4944 | 1 | 6993 | 1 | 9042 | 0 | 11091 | 1 |
| 847 | 0 | 2896 | 0 | 4945 | 0 | 6994 | 1 | 9043 | 1 | 11092 | 0 |
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| 849 | 1 | 2898 | 1 | 4947 | 1 | 6996 | 1 | 9045 | 0 | 11094 | 0 |
| 850 | 1 | 2899 | 0 | 4948 | 0 | 6997 | 0 | 9046 | 1 | 11095 | 1 |
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| 852 | 1 | 2901 | 0 | 4950 | 0 | 6999 | 1 | 9048 | 0 | 11097 | 0 |
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| 854 | 0 | 2903 | 0 | 4952 | 0 | 7001 | 1 | 9050 | 0 | 11099 | 1 |
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| 856 | 0 | 2905 | 1 | 4954 | 1 | 7003 | 1 | 9052 | 0 | 11101 | 1 |
| 857 | 1 | 2906 | 1 | 4955 | 0 | 7004 | 1 | 9053 | 0 | 11102 | 1 |
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| 861 | 1 | 2910 | 0 | 4959 | 0 | 7008 | 1 | 9057 | 0 | 11106 | 1 |
| 862 | 1 | 2911 | 0 | 4960 | 0 | 7009 | 1 | 9058 | 1 | 11107 | 1 |
| 863 | 0 | 2912 | 0 | 4961 | 0 | 7010 | 1 | 9059 | 0 | 11108 | 1 |
| 864 | 1 | 2913 | 1 | 4962 | 1 | 7011 | 1 | 9060 | 1 | 11109 | 0 |
| 865 | 1 | 2914 | 0 | 4963 | 1 | 7012 | 1 | 9061 | 0 | 11110 | 1 |
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| 867 | 0 | 2916 | 0 | 4965 | 1 | 7014 | 1 | 9063 | 1 | 11112 | 0 |
| 868 | 1 | 2917 | 1 | 4966 | 0 | 7015 | 1 | 9064 | 1 | 11113 | 1 |
| 869 | 1 | 2918 | 1 | 4967 | 0 | 7016 | 0 | 9065 | 1 | 11114 | 1 |
| 870 | 1 | 2919 | 1 | 4968 | 1 | 7017 | 1 | 9066 | 0 | 11115 | 1 |
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|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 872 | 0 | 2921 | 1 | 4970 | 0 | 7019 | 0 | 9068 | 0 | 11117 | 1 |
| 873 | 0 | 2922 | 0 | 4971 | 0 | 7020 | 0 | 9069 | 1 | 11118 | 1 |
| 874 | 0 | 2923 | 1 | 4972 | 0 | 7021 | 0 | 9070 | 0 | 11119 | 1 |
| 875 | 1 | 2924 | 0 | 4973 | 1 | 7022 | 1 | 9071 | 1 | 11120 | 1 |
| 876 | 0 | 2925 | 0 | 4974 | 1 | 7023 | 0 | 9072 | 0 | 11121 | 1 |
| 877 | 0 | 2926 | 1 | 4975 | 0 | 7024 | 1 | 9073 | 0 | 11122 | 0 |
| 878 | 0 | 2927 | 1 | 4976 | 0 | 7025 | 1 | 9074 | 1 | 11123 | 1 |
| 879 | 1 | 2928 | 1 | 4977 | 1 | 7026 | 1 | 9075 | 0 | 11124 | 1 |
| 880 | 1 | 2929 | 1 | 4978 | 0 | 7027 | 0 | 9076 | 1 | 11125 | 0 |
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| 882 | 1 | 2931 | 0 | 4980 | 0 | 7029 | 1 | 9078 | 1 | 11127 | 1 |
| 883 | 1 | 2932 | 0 | 4981 | 0 | 7030 | 0 | 9079 | 1 | 11128 | 1 |
| 884 | 0 | 2933 | 0 | 4982 | 0 | 7031 | 0 | 9080 | 1 | 11129 | 0 |
| 885 | 1 | 2934 | 1 | 4983 | 0 | 7032 | 1 | 9081 | 1 | 11130 | 0 |
| 886 | 0 | 2935 | 1 | 4984 | 0 | 7033 | 1 | 9082 | 0 | 11131 | 1 |
| 887 | 1 | 2936 | 0 | 4985 | 1 | 7034 | 0 | 9083 | 0 | 11132 | 1 |
| 888 | 1 | 2937 | 1 | 4986 | 1 | 7035 | 1 | 9084 | 1 | 11133 | 0 |
| 889 | 1 | 2938 | 1 | 4987 | 0 | 7036 | 0 | 9085 | 0 | 11134 | 0 |
| 890 | 0 | 2939 | 0 | 4988 | 1 | 7037 | 0 | 9086 | 1 | 11135 | 0 |
| 891 | 0 | 2940 | 0 | 4989 | 0 | 7038 | 0 | 9087 | 1 | 11136 | 1 |
| 892 | 0 | 2941 | 1 | 4990 | 1 | 7039 | 1 | 9088 | 0 | 11137 | 0 |
| 893 | 1 | 2942 | 1 | 4991 | 0 | 7040 | 1 | 9089 | 1 | 11138 | 0 |
| 894 | 1 | 2943 | 1 | 4992 | 0 | 7041 | 0 | 9090 | 1 | 11139 | 1 |
| 895 | 0 | 2944 | 1 | 4993 | 1 | 7042 | 0 | 9091 | 0 | 11140 | 0 |
| 896 | 0 | 2945 | 1 | 4994 | 1 | 7043 | 1 | 9092 | 1 | 11141 | 1 |
| 897 | 1 | 2946 | 0 | 4995 | 1 | 7044 | 1 | 9093 | 1 | 11142 | 1 |
| 898 | 1 | 2947 | 0 | 4996 | 0 | 7045 | 1 | 9094 | 1 | 11143 | 0 |
| 899 | 1 | 2948 | 0 | 4997 | 0 | 7046 | 0 | 9095 | 0 | 11144 | 0 |
| 900 | 0 | 2949 | 1 | 4998 | 0 | 7047 | 1 | 9096 | 1 | 11145 | 0 |
| 901 | 1 | 2950 | 1 | 4999 | 0 | 7048 | 0 | 9097 | 0 | 11146 | 1 |
| 902 | 1 | 2951 | 0 | 5000 | 0 | 7049 | 0 | 9098 | 0 | 11147 | 0 |
| 903 | 0 | 2952 | 1 | 5001 | 0 | 7050 | 0 | 9099 | 0 | 11148 | 0 |
| 904 | 1 | 2953 | 1 | 5002 | 0 | 7051 | 1 | 9100 | 0 | 11149 | 0 |
| 905 | 0 | 2954 | 1 | 5003 | 0 | 7052 | 1 | 9101 | 1 | 11150 | 0 |
| 906 | 0 | 2955 | 1 | 5004 | 1 | 7053 | 1 | 9102 | 1 | 11151 | 1 |
| 907 | 1 | 2956 | 0 | 5005 | 1 | 7054 | 0 | 9103 | 0 | 11152 | 1 |
| 908 | 1 | 2957 | 1 | 5006 | 0 | 7055 | 0 | 9104 | 1 | 11153 | 1 |
| 909 | 0 | 2958 | 0 | 5007 | 1 | 7056 | 1 | 9105 | 0 | 11154 | 1 |
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| 911 | 1 | 2960 | 1 | 5009 | 1 | 7058 | 0 | 9107 | 1 | 11156 | 1 |
| 912 | 1 | 2961 | 1 | 5010 | 1 | 7059 | 1 | 9108 | 0 | 11157 | 0 |
| 913 | 0 | 2962 | 1 | 5011 | 0 | 7060 | 0 | 9109 | 1 | 11158 | 1 |
| 914 | 0 | 2963 | 1 | 5012 | 1 | 7061 | 0 | 9110 | 1 | 11159 | 1 |
| 915 | 1 | 2964 | 0 | 5013 | 0 | 7062 | 0 | 9111 | 0 | 11160 | 0 |

|     |   |      |   |      |   |      |   |      |   |       |   |
|-----|---|------|---|------|---|------|---|------|---|-------|---|
| 916 | 1 | 2965 | 0 | 5014 | 0 | 7063 | 1 | 9112 | 0 | 11161 | 0 |
| 917 | 0 | 2966 | 0 | 5015 | 0 | 7064 | 0 | 9113 | 1 | 11162 | 1 |
| 918 | 0 | 2967 | 0 | 5016 | 0 | 7065 | 0 | 9114 | 0 | 11163 | 0 |
| 919 | 0 | 2968 | 0 | 5017 | 0 | 7066 | 0 | 9115 | 0 | 11164 | 1 |
| 920 | 1 | 2969 | 1 | 5018 | 0 | 7067 | 0 | 9116 | 0 | 11165 | 1 |
| 921 | 1 | 2970 | 1 | 5019 | 0 | 7068 | 1 | 9117 | 0 | 11166 | 0 |
| 922 | 1 | 2971 | 0 | 5020 | 1 | 7069 | 0 | 9118 | 0 | 11167 | 1 |
| 923 | 1 | 2972 | 1 | 5021 | 0 | 7070 | 0 | 9119 | 0 | 11168 | 0 |
| 924 | 0 | 2973 | 1 | 5022 | 1 | 7071 | 1 | 9120 | 0 | 11169 | 0 |
| 925 | 0 | 2974 | 1 | 5023 | 0 | 7072 | 0 | 9121 | 1 | 11170 | 0 |
| 926 | 0 | 2975 | 1 | 5024 | 0 | 7073 | 1 | 9122 | 0 | 11171 | 1 |
| 927 | 0 | 2976 | 0 | 5025 | 0 | 7074 | 0 | 9123 | 0 | 11172 | 0 |
| 928 | 0 | 2977 | 1 | 5026 | 0 | 7075 | 0 | 9124 | 0 | 11173 | 1 |
| 929 | 0 | 2978 | 0 | 5027 | 0 | 7076 | 0 | 9125 | 0 | 11174 | 1 |
| 930 | 0 | 2979 | 1 | 5028 | 1 | 7077 | 1 | 9126 | 1 | 11175 | 1 |
| 931 | 0 | 2980 | 0 | 5029 | 1 | 7078 | 1 | 9127 | 1 | 11176 | 1 |
| 932 | 0 | 2981 | 0 | 5030 | 1 | 7079 | 1 | 9128 | 0 | 11177 | 1 |
| 933 | 0 | 2982 | 0 | 5031 | 1 | 7080 | 1 | 9129 | 1 | 11178 | 0 |
| 934 | 1 | 2983 | 1 | 5032 | 0 | 7081 | 0 | 9130 | 0 | 11179 | 0 |
| 935 | 0 | 2984 | 0 | 5033 | 1 | 7082 | 0 | 9131 | 0 | 11180 | 0 |
| 936 | 1 | 2985 | 1 | 5034 | 0 | 7083 | 0 | 9132 | 0 | 11181 | 0 |
| 937 | 1 | 2986 | 0 | 5035 | 0 | 7084 | 1 | 9133 | 1 | 11182 | 1 |
| 938 | 0 | 2987 | 0 | 5036 | 0 | 7085 | 0 | 9134 | 0 | 11183 | 1 |
| 939 | 0 | 2988 | 0 | 5037 | 0 | 7086 | 1 | 9135 | 0 | 11184 | 1 |
| 940 | 1 | 2989 | 0 | 5038 | 1 | 7087 | 1 | 9136 | 0 | 11185 | 0 |
| 941 | 0 | 2990 | 0 | 5039 | 0 | 7088 | 1 | 9137 | 1 | 11186 | 0 |
| 942 | 0 | 2991 | 0 | 5040 | 0 | 7089 | 1 | 9138 | 0 | 11187 | 0 |
| 943 | 1 | 2992 | 0 | 5041 | 1 | 7090 | 0 | 9139 | 0 | 11188 | 1 |
| 944 | 1 | 2993 | 0 | 5042 | 0 | 7091 | 1 | 9140 | 0 | 11189 | 0 |
| 945 | 0 | 2994 | 0 | 5043 | 1 | 7092 | 1 | 9141 | 0 | 11190 | 0 |
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| 947 | 0 | 2996 | 0 | 5045 | 0 | 7094 | 1 | 9143 | 0 | 11192 | 1 |
| 948 | 0 | 2997 | 1 | 5046 | 1 | 7095 | 0 | 9144 | 0 | 11193 | 1 |
| 949 | 1 | 2998 | 1 | 5047 | 1 | 7096 | 0 | 9145 | 0 | 11194 | 1 |
| 950 | 1 | 2999 | 0 | 5048 | 1 | 7097 | 0 | 9146 | 0 | 11195 | 1 |
| 951 | 1 | 3000 | 1 | 5049 | 1 | 7098 | 0 | 9147 | 1 | 11196 | 1 |
| 952 | 1 | 3001 | 0 | 5050 | 0 | 7099 | 0 | 9148 | 0 | 11197 | 1 |
| 953 | 1 | 3002 | 0 | 5051 | 0 | 7100 | 0 | 9149 | 0 | 11198 | 1 |
| 954 | 0 | 3003 | 1 | 5052 | 1 | 7101 | 1 | 9150 | 0 | 11199 | 0 |
| 955 | 1 | 3004 | 1 | 5053 | 0 | 7102 | 0 | 9151 | 1 | 11200 | 1 |
| 956 | 1 | 3005 | 0 | 5054 | 1 | 7103 | 1 | 9152 | 1 | 11201 | 0 |
| 957 | 0 | 3006 | 1 | 5055 | 1 | 7104 | 0 | 9153 | 0 | 11202 | 1 |
| 958 | 1 | 3007 | 0 | 5056 | 0 | 7105 | 0 | 9154 | 0 | 11203 | 1 |
| 959 | 0 | 3008 | 0 | 5057 | 0 | 7106 | 0 | 9155 | 0 | 11204 | 0 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 960  | 1 | 3009 | 0 | 5058 | 1 | 7107 | 1 | 9156 | 1 | 11205 | 1 |
| 961  | 0 | 3010 | 0 | 5059 | 1 | 7108 | 1 | 9157 | 0 | 11206 | 1 |
| 962  | 0 | 3011 | 0 | 5060 | 0 | 7109 | 1 | 9158 | 1 | 11207 | 1 |
| 963  | 0 | 3012 | 0 | 5061 | 0 | 7110 | 0 | 9159 | 1 | 11208 | 1 |
| 964  | 0 | 3013 | 1 | 5062 | 1 | 7111 | 1 | 9160 | 0 | 11209 | 0 |
| 965  | 0 | 3014 | 0 | 5063 | 1 | 7112 | 1 | 9161 | 1 | 11210 | 0 |
| 966  | 0 | 3015 | 1 | 5064 | 0 | 7113 | 1 | 9162 | 1 | 11211 | 0 |
| 967  | 0 | 3016 | 1 | 5065 | 0 | 7114 | 0 | 9163 | 1 | 11212 | 1 |
| 968  | 0 | 3017 | 1 | 5066 | 1 | 7115 | 0 | 9164 | 0 | 11213 | 0 |
| 969  | 0 | 3018 | 1 | 5067 | 1 | 7116 | 0 | 9165 | 1 | 11214 | 0 |
| 970  | 1 | 3019 | 1 | 5068 | 1 | 7117 | 1 | 9166 | 1 | 11215 | 0 |
| 971  | 1 | 3020 | 1 | 5069 | 1 | 7118 | 1 | 9167 | 0 | 11216 | 1 |
| 972  | 0 | 3021 | 0 | 5070 | 1 | 7119 | 0 | 9168 | 1 | 11217 | 1 |
| 973  | 1 | 3022 | 0 | 5071 | 0 | 7120 | 1 | 9169 | 1 | 11218 | 1 |
| 974  | 1 | 3023 | 0 | 5072 | 0 | 7121 | 1 | 9170 | 1 | 11219 | 0 |
| 975  | 0 | 3024 | 0 | 5073 | 1 | 7122 | 1 | 9171 | 1 | 11220 | 1 |
| 976  | 1 | 3025 | 0 | 5074 | 0 | 7123 | 0 | 9172 | 0 | 11221 | 0 |
| 977  | 1 | 3026 | 0 | 5075 | 0 | 7124 | 0 | 9173 | 0 | 11222 | 1 |
| 978  | 1 | 3027 | 0 | 5076 | 1 | 7125 | 0 | 9174 | 0 | 11223 | 0 |
| 979  | 1 | 3028 | 0 | 5077 | 0 | 7126 | 1 | 9175 | 0 | 11224 | 0 |
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| 981  | 0 | 3030 | 0 | 5079 | 1 | 7128 | 0 | 9177 | 0 | 11226 | 0 |
| 982  | 0 | 3031 | 1 | 5080 | 0 | 7129 | 0 | 9178 | 0 | 11227 | 0 |
| 983  | 1 | 3032 | 1 | 5081 | 1 | 7130 | 1 | 9179 | 1 | 11228 | 0 |
| 984  | 1 | 3033 | 1 | 5082 | 0 | 7131 | 1 | 9180 | 1 | 11229 | 0 |
| 985  | 0 | 3034 | 1 | 5083 | 0 | 7132 | 1 | 9181 | 1 | 11230 | 0 |
| 986  | 0 | 3035 | 0 | 5084 | 0 | 7133 | 1 | 9182 | 0 | 11231 | 1 |
| 987  | 0 | 3036 | 1 | 5085 | 0 | 7134 | 0 | 9183 | 1 | 11232 | 0 |
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| 992  | 1 | 3041 | 0 | 5090 | 1 | 7139 | 0 | 9188 | 1 | 11237 | 0 |
| 993  | 0 | 3042 | 1 | 5091 | 0 | 7140 | 0 | 9189 | 1 | 11238 | 0 |
| 994  | 1 | 3043 | 0 | 5092 | 0 | 7141 | 0 | 9190 | 1 | 11239 | 1 |
| 995  | 1 | 3044 | 0 | 5093 | 0 | 7142 | 1 | 9191 | 0 | 11240 | 1 |
| 996  | 1 | 3045 | 1 | 5094 | 0 | 7143 | 0 | 9192 | 0 | 11241 | 1 |
| 997  | 0 | 3046 | 0 | 5095 | 1 | 7144 | 0 | 9193 | 1 | 11242 | 1 |
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| 1002 | 1 | 3051 | 0 | 5100 | 0 | 7149 | 0 | 9198 | 0 | 11247 | 1 |
| 1003 | 1 | 3052 | 1 | 5101 | 1 | 7150 | 0 | 9199 | 1 | 11248 | 1 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1004 | 1 | 3053 | 0 | 5102 | 0 | 7151 | 1 | 9200 | 0 | 11249 | 1 |
| 1005 | 1 | 3054 | 0 | 5103 | 0 | 7152 | 1 | 9201 | 1 | 11250 | 1 |
| 1006 | 0 | 3055 | 0 | 5104 | 0 | 7153 | 1 | 9202 | 1 | 11251 | 1 |
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| 1021 | 0 | 3070 | 1 | 5119 | 1 | 7168 | 0 | 9217 | 0 | 11266 | 0 |
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| 1065 | 1 | 3114 | 1 | 5163 | 1 | 7212 | 1 | 9261 | 0 | 11310 | 0 |
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| 1106 | 0 | 3155 | 0 | 5204 | 0 | 7253 | 1 | 9302 | 0 | 11351 | 1 |
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| 1108 | 0 | 3157 | 1 | 5206 | 0 | 7255 | 1 | 9304 | 1 | 11353 | 1 |
| 1109 | 0 | 3158 | 1 | 5207 | 0 | 7256 | 1 | 9305 | 1 | 11354 | 0 |
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| 1121 | 1 | 3170 | 1 | 5219 | 0 | 7268 | 0 | 9317 | 1 | 11366 | 1 |
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| 1126 | 0 | 3175 | 1 | 5224 | 0 | 7273 | 1 | 9322 | 0 | 11371 | 0 |
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| 1146 | 0 | 3195 | 0 | 5244 | 1 | 7293 | 1 | 9342 | 0 | 11391 | 0 |
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| 1152 | 1 | 3201 | 1 | 5250 | 1 | 7299 | 0 | 9348 | 0 | 11397 | 1 |
| 1153 | 0 | 3202 | 0 | 5251 | 0 | 7300 | 1 | 9349 | 1 | 11398 | 1 |
| 1154 | 0 | 3203 | 0 | 5252 | 0 | 7301 | 1 | 9350 | 0 | 11399 | 1 |
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| 1158 | 1 | 3207 | 1 | 5256 | 1 | 7305 | 0 | 9354 | 1 | 11403 | 0 |
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| 1178 | 0 | 3227 | 1 | 5276 | 0 | 7325 | 0 | 9374 | 0 | 11423 | 0 |
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| 1180 | 0 | 3229 | 1 | 5278 | 1 | 7327 | 1 | 9376 | 0 | 11425 | 0 |
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| 1182 | 0 | 3231 | 0 | 5280 | 1 | 7329 | 0 | 9378 | 1 | 11427 | 1 |
| 1183 | 1 | 3232 | 0 | 5281 | 1 | 7330 | 0 | 9379 | 0 | 11428 | 1 |
| 1184 | 1 | 3233 | 1 | 5282 | 0 | 7331 | 1 | 9380 | 0 | 11429 | 0 |
| 1185 | 1 | 3234 | 0 | 5283 | 1 | 7332 | 1 | 9381 | 0 | 11430 | 1 |
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| 1187 | 0 | 3236 | 0 | 5285 | 1 | 7334 | 0 | 9383 | 1 | 11432 | 0 |
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| 1189 | 1 | 3238 | 1 | 5287 | 1 | 7336 | 1 | 9385 | 0 | 11434 | 1 |
| 1190 | 0 | 3239 | 1 | 5288 | 0 | 7337 | 0 | 9386 | 1 | 11435 | 0 |
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| 1202 | 0 | 3251 | 1 | 5300 | 0 | 7349 | 1 | 9398 | 1 | 11447 | 1 |
| 1203 | 0 | 3252 | 1 | 5301 | 1 | 7350 | 0 | 9399 | 0 | 11448 | 1 |
| 1204 | 0 | 3253 | 1 | 5302 | 0 | 7351 | 1 | 9400 | 1 | 11449 | 0 |
| 1205 | 0 | 3254 | 0 | 5303 | 1 | 7352 | 0 | 9401 | 1 | 11450 | 1 |
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| 1213 | 0 | 3262 | 0 | 5311 | 0 | 7360 | 0 | 9409 | 1 | 11458 | 1 |
| 1214 | 0 | 3263 | 1 | 5312 | 0 | 7361 | 0 | 9410 | 1 | 11459 | 0 |
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| 1216 | 0 | 3265 | 0 | 5314 | 1 | 7363 | 1 | 9412 | 0 | 11461 | 1 |
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| 1224 | 1 | 3273 | 1 | 5322 | 0 | 7371 | 0 | 9420 | 0 | 11469 | 1 |
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| 1226 | 0 | 3275 | 1 | 5324 | 0 | 7373 | 1 | 9422 | 1 | 11471 | 1 |
| 1227 | 1 | 3276 | 1 | 5325 | 1 | 7374 | 1 | 9423 | 1 | 11472 | 1 |
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| 1231 | 0 | 3280 | 0 | 5329 | 0 | 7378 | 1 | 9427 | 1 | 11476 | 0 |
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| 1233 | 1 | 3282 | 1 | 5331 | 0 | 7380 | 1 | 9429 | 1 | 11478 | 1 |
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| 1235 | 1 | 3284 | 1 | 5333 | 0 | 7382 | 0 | 9431 | 1 | 11480 | 1 |
| 1236 | 0 | 3285 | 1 | 5334 | 1 | 7383 | 0 | 9432 | 0 | 11481 | 1 |
| 1237 | 1 | 3286 | 1 | 5335 | 0 | 7384 | 0 | 9433 | 1 | 11482 | 0 |
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| 1246 | 1 | 3295 | 1 | 5344 | 0 | 7393 | 0 | 9442 | 1 | 11491 | 0 |
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| 1248 | 1 | 3297 | 1 | 5346 | 0 | 7395 | 1 | 9444 | 0 | 11493 | 1 |
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| 1252 | 1 | 3301 | 1 | 5350 | 1 | 7399 | 0 | 9448 | 0 | 11497 | 0 |
| 1253 | 1 | 3302 | 1 | 5351 | 1 | 7400 | 1 | 9449 | 0 | 11498 | 0 |
| 1254 | 0 | 3303 | 1 | 5352 | 1 | 7401 | 0 | 9450 | 1 | 11499 | 1 |
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| 1259 | 0 | 3308 | 0 | 5357 | 0 | 7406 | 0 | 9455 | 1 | 11504 | 0 |
| 1260 | 0 | 3309 | 1 | 5358 | 0 | 7407 | 0 | 9456 | 0 | 11505 | 0 |
| 1261 | 1 | 3310 | 0 | 5359 | 0 | 7408 | 0 | 9457 | 0 | 11506 | 1 |
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| 1263 | 1 | 3312 | 0 | 5361 | 0 | 7410 | 0 | 9459 | 0 | 11508 | 0 |
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| 1266 | 1 | 3315 | 1 | 5364 | 0 | 7413 | 1 | 9462 | 0 | 11511 | 0 |
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|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1268 | 1 | 3317 | 1 | 5366 | 1 | 7415 | 0 | 9464 | 1 | 11513 | 1 |
| 1269 | 1 | 3318 | 1 | 5367 | 1 | 7416 | 0 | 9465 | 0 | 11514 | 0 |
| 1270 | 1 | 3319 | 1 | 5368 | 1 | 7417 | 0 | 9466 | 0 | 11515 | 1 |
| 1271 | 0 | 3320 | 1 | 5369 | 0 | 7418 | 1 | 9467 | 1 | 11516 | 1 |
| 1272 | 1 | 3321 | 0 | 5370 | 1 | 7419 | 0 | 9468 | 0 | 11517 | 0 |
| 1273 | 0 | 3322 | 0 | 5371 | 0 | 7420 | 1 | 9469 | 0 | 11518 | 0 |
| 1274 | 1 | 3323 | 0 | 5372 | 0 | 7421 | 1 | 9470 | 1 | 11519 | 0 |
| 1275 | 0 | 3324 | 1 | 5373 | 1 | 7422 | 1 | 9471 | 0 | 11520 | 1 |
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| 1277 | 0 | 3326 | 0 | 5375 | 1 | 7424 | 1 | 9473 | 0 | 11522 | 1 |
| 1278 | 0 | 3327 | 1 | 5376 | 0 | 7425 | 0 | 9474 | 1 | 11523 | 1 |
| 1279 | 1 | 3328 | 0 | 5377 | 0 | 7426 | 0 | 9475 | 1 | 11524 | 0 |
| 1280 | 0 | 3329 | 0 | 5378 | 1 | 7427 | 0 | 9476 | 1 | 11525 | 1 |
| 1281 | 0 | 3330 | 1 | 5379 | 0 | 7428 | 1 | 9477 | 1 | 11526 | 0 |
| 1282 | 1 | 3331 | 1 | 5380 | 0 | 7429 | 1 | 9478 | 0 | 11527 | 1 |
| 1283 | 1 | 3332 | 0 | 5381 | 1 | 7430 | 1 | 9479 | 0 | 11528 | 1 |
| 1284 | 0 | 3333 | 1 | 5382 | 0 | 7431 | 0 | 9480 | 0 | 11529 | 0 |
| 1285 | 1 | 3334 | 0 | 5383 | 0 | 7432 | 1 | 9481 | 1 | 11530 | 1 |
| 1286 | 0 | 3335 | 1 | 5384 | 1 | 7433 | 1 | 9482 | 1 | 11531 | 0 |
| 1287 | 0 | 3336 | 1 | 5385 | 0 | 7434 | 1 | 9483 | 1 | 11532 | 1 |
| 1288 | 0 | 3337 | 0 | 5386 | 1 | 7435 | 0 | 9484 | 0 | 11533 | 0 |
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| 1290 | 0 | 3339 | 0 | 5388 | 0 | 7437 | 0 | 9486 | 0 | 11535 | 0 |
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| 1292 | 1 | 3341 | 0 | 5390 | 1 | 7439 | 1 | 9488 | 1 | 11537 | 1 |
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| 1295 | 1 | 3344 | 0 | 5393 | 0 | 7442 | 0 | 9491 | 0 | 11540 | 1 |
| 1296 | 0 | 3345 | 1 | 5394 | 1 | 7443 | 0 | 9492 | 0 | 11541 | 0 |
| 1297 | 1 | 3346 | 1 | 5395 | 0 | 7444 | 1 | 9493 | 1 | 11542 | 1 |
| 1298 | 0 | 3347 | 0 | 5396 | 0 | 7445 | 1 | 9494 | 0 | 11543 | 1 |
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| 1310 | 1 | 3359 | 1 | 5408 | 0 | 7457 | 0 | 9506 | 1 | 11555 | 0 |
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|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1312 | 1 | 3361 | 0 | 5410 | 1 | 7459 | 0 | 9508 | 1 | 11557 | 0 |
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| 1316 | 1 | 3365 | 1 | 5414 | 0 | 7463 | 0 | 9512 | 0 | 11561 | 1 |
| 1317 | 0 | 3366 | 0 | 5415 | 1 | 7464 | 1 | 9513 | 1 | 11562 | 0 |
| 1318 | 1 | 3367 | 1 | 5416 | 1 | 7465 | 0 | 9514 | 0 | 11563 | 0 |
| 1319 | 0 | 3368 | 1 | 5417 | 0 | 7466 | 0 | 9515 | 0 | 11564 | 1 |
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| 1321 | 1 | 3370 | 0 | 5419 | 0 | 7468 | 0 | 9517 | 0 | 11566 | 1 |
| 1322 | 1 | 3371 | 0 | 5420 | 1 | 7469 | 0 | 9518 | 1 | 11567 | 1 |
| 1323 | 1 | 3372 | 0 | 5421 | 1 | 7470 | 0 | 9519 | 1 | 11568 | 0 |
| 1324 | 1 | 3373 | 1 | 5422 | 1 | 7471 | 1 | 9520 | 0 | 11569 | 1 |
| 1325 | 0 | 3374 | 1 | 5423 | 0 | 7472 | 1 | 9521 | 0 | 11570 | 1 |
| 1326 | 0 | 3375 | 1 | 5424 | 1 | 7473 | 0 | 9522 | 1 | 11571 | 1 |
| 1327 | 1 | 3376 | 1 | 5425 | 1 | 7474 | 0 | 9523 | 0 | 11572 | 0 |
| 1328 | 1 | 3377 | 1 | 5426 | 0 | 7475 | 0 | 9524 | 0 | 11573 | 1 |
| 1329 | 1 | 3378 | 0 | 5427 | 1 | 7476 | 1 | 9525 | 1 | 11574 | 0 |
| 1330 | 1 | 3379 | 1 | 5428 | 1 | 7477 | 0 | 9526 | 0 | 11575 | 0 |
| 1331 | 0 | 3380 | 0 | 5429 | 0 | 7478 | 0 | 9527 | 0 | 11576 | 0 |
| 1332 | 0 | 3381 | 1 | 5430 | 0 | 7479 | 1 | 9528 | 0 | 11577 | 0 |
| 1333 | 0 | 3382 | 1 | 5431 | 1 | 7480 | 0 | 9529 | 1 | 11578 | 1 |
| 1334 | 1 | 3383 | 1 | 5432 | 1 | 7481 | 0 | 9530 | 1 | 11579 | 0 |
| 1335 | 0 | 3384 | 0 | 5433 | 0 | 7482 | 1 | 9531 | 0 | 11580 | 0 |
| 1336 | 0 | 3385 | 0 | 5434 | 1 | 7483 | 1 | 9532 | 0 | 11581 | 0 |
| 1337 | 1 | 3386 | 1 | 5435 | 1 | 7484 | 0 | 9533 | 1 | 11582 | 1 |
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| 1339 | 1 | 3388 | 0 | 5437 | 0 | 7486 | 0 | 9535 | 0 | 11584 | 1 |
| 1340 | 0 | 3389 | 0 | 5438 | 1 | 7487 | 1 | 9536 | 0 | 11585 | 1 |
| 1341 | 0 | 3390 | 0 | 5439 | 1 | 7488 | 1 | 9537 | 0 | 11586 | 1 |
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| 1344 | 0 | 3393 | 0 | 5442 | 0 | 7491 | 0 | 9540 | 0 | 11589 | 0 |
| 1345 | 0 | 3394 | 0 | 5443 | 0 | 7492 | 0 | 9541 | 1 | 11590 | 1 |
| 1346 | 1 | 3395 | 1 | 5444 | 1 | 7493 | 1 | 9542 | 1 | 11591 | 1 |
| 1347 | 1 | 3396 | 0 | 5445 | 1 | 7494 | 1 | 9543 | 1 | 11592 | 1 |
| 1348 | 0 | 3397 | 1 | 5446 | 1 | 7495 | 0 | 9544 | 1 | 11593 | 1 |
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| 1350 | 1 | 3399 | 1 | 5448 | 1 | 7497 | 1 | 9546 | 0 | 11595 | 1 |
| 1351 | 1 | 3400 | 0 | 5449 | 0 | 7498 | 0 | 9547 | 0 | 11596 | 1 |
| 1352 | 0 | 3401 | 1 | 5450 | 0 | 7499 | 0 | 9548 | 0 | 11597 | 1 |
| 1353 | 1 | 3402 | 0 | 5451 | 0 | 7500 | 1 | 9549 | 1 | 11598 | 1 |
| 1354 | 0 | 3403 | 0 | 5452 | 0 | 7501 | 1 | 9550 | 1 | 11599 | 0 |
| 1355 | 1 | 3404 | 0 | 5453 | 0 | 7502 | 1 | 9551 | 1 | 11600 | 0 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1356 | 0 | 3405 | 1 | 5454 | 1 | 7503 | 0 | 9552 | 0 | 11601 | 0 |
| 1357 | 1 | 3406 | 1 | 5455 | 0 | 7504 | 1 | 9553 | 0 | 11602 | 0 |
| 1358 | 1 | 3407 | 1 | 5456 | 0 | 7505 | 1 | 9554 | 1 | 11603 | 0 |
| 1359 | 0 | 3408 | 1 | 5457 | 1 | 7506 | 0 | 9555 | 0 | 11604 | 0 |
| 1360 | 0 | 3409 | 1 | 5458 | 1 | 7507 | 0 | 9556 | 1 | 11605 | 1 |
| 1361 | 0 | 3410 | 0 | 5459 | 0 | 7508 | 0 | 9557 | 1 | 11606 | 1 |
| 1362 | 1 | 3411 | 1 | 5460 | 1 | 7509 | 0 | 9558 | 1 | 11607 | 1 |
| 1363 | 1 | 3412 | 1 | 5461 | 0 | 7510 | 1 | 9559 | 0 | 11608 | 0 |
| 1364 | 1 | 3413 | 0 | 5462 | 0 | 7511 | 1 | 9560 | 1 | 11609 | 0 |
| 1365 | 0 | 3414 | 0 | 5463 | 1 | 7512 | 1 | 9561 | 1 | 11610 | 0 |
| 1366 | 0 | 3415 | 0 | 5464 | 0 | 7513 | 1 | 9562 | 1 | 11611 | 0 |
| 1367 | 1 | 3416 | 0 | 5465 | 0 | 7514 | 0 | 9563 | 0 | 11612 | 0 |
| 1368 | 1 | 3417 | 1 | 5466 | 0 | 7515 | 0 | 9564 | 1 | 11613 | 1 |
| 1369 | 1 | 3418 | 0 | 5467 | 1 | 7516 | 1 | 9565 | 0 | 11614 | 0 |
| 1370 | 1 | 3419 | 0 | 5468 | 0 | 7517 | 1 | 9566 | 1 | 11615 | 1 |
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| 1372 | 0 | 3421 | 0 | 5470 | 0 | 7519 | 0 | 9568 | 1 | 11617 | 1 |
| 1373 | 1 | 3422 | 0 | 5471 | 0 | 7520 | 0 | 9569 | 1 | 11618 | 1 |
| 1374 | 1 | 3423 | 1 | 5472 | 1 | 7521 | 0 | 9570 | 1 | 11619 | 1 |
| 1375 | 1 | 3424 | 0 | 5473 | 1 | 7522 | 0 | 9571 | 1 | 11620 | 0 |
| 1376 | 0 | 3425 | 1 | 5474 | 1 | 7523 | 1 | 9572 | 1 | 11621 | 1 |
| 1377 | 1 | 3426 | 1 | 5475 | 0 | 7524 | 0 | 9573 | 1 | 11622 | 1 |
| 1378 | 0 | 3427 | 1 | 5476 | 0 | 7525 | 1 | 9574 | 0 | 11623 | 0 |
| 1379 | 1 | 3428 | 1 | 5477 | 0 | 7526 | 1 | 9575 | 0 | 11624 | 0 |
| 1380 | 0 | 3429 | 1 | 5478 | 0 | 7527 | 0 | 9576 | 1 | 11625 | 0 |
| 1381 | 0 | 3430 | 1 | 5479 | 0 | 7528 | 0 | 9577 | 0 | 11626 | 0 |
| 1382 | 1 | 3431 | 0 | 5480 | 0 | 7529 | 0 | 9578 | 1 | 11627 | 1 |
| 1383 | 0 | 3432 | 0 | 5481 | 1 | 7530 | 0 | 9579 | 0 | 11628 | 0 |
| 1384 | 0 | 3433 | 1 | 5482 | 1 | 7531 | 1 | 9580 | 0 | 11629 | 1 |
| 1385 | 1 | 3434 | 1 | 5483 | 0 | 7532 | 1 | 9581 | 1 | 11630 | 0 |
| 1386 | 1 | 3435 | 0 | 5484 | 1 | 7533 | 0 | 9582 | 1 | 11631 | 1 |
| 1387 | 1 | 3436 | 0 | 5485 | 0 | 7534 | 0 | 9583 | 0 | 11632 | 0 |
| 1388 | 0 | 3437 | 1 | 5486 | 1 | 7535 | 1 | 9584 | 0 | 11633 | 0 |
| 1389 | 0 | 3438 | 0 | 5487 | 1 | 7536 | 0 | 9585 | 1 | 11634 | 0 |
| 1390 | 0 | 3439 | 0 | 5488 | 0 | 7537 | 1 | 9586 | 1 | 11635 | 0 |
| 1391 | 0 | 3440 | 0 | 5489 | 1 | 7538 | 0 | 9587 | 0 | 11636 | 1 |
| 1392 | 1 | 3441 | 1 | 5490 | 1 | 7539 | 0 | 9588 | 1 | 11637 | 1 |
| 1393 | 1 | 3442 | 1 | 5491 | 0 | 7540 | 1 | 9589 | 0 | 11638 | 0 |
| 1394 | 0 | 3443 | 0 | 5492 | 1 | 7541 | 0 | 9590 | 0 | 11639 | 1 |
| 1395 | 0 | 3444 | 1 | 5493 | 1 | 7542 | 0 | 9591 | 0 | 11640 | 1 |
| 1396 | 0 | 3445 | 0 | 5494 | 1 | 7543 | 1 | 9592 | 1 | 11641 | 1 |
| 1397 | 1 | 3446 | 0 | 5495 | 0 | 7544 | 1 | 9593 | 1 | 11642 | 0 |
| 1398 | 0 | 3447 | 0 | 5496 | 0 | 7545 | 1 | 9594 | 0 | 11643 | 0 |
| 1399 | 1 | 3448 | 0 | 5497 | 1 | 7546 | 1 | 9595 | 0 | 11644 | 0 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1400 | 1 | 3449 | 1 | 5498 | 1 | 7547 | 1 | 9596 | 1 | 11645 | 0 |
| 1401 | 1 | 3450 | 0 | 5499 | 0 | 7548 | 1 | 9597 | 1 | 11646 | 1 |
| 1402 | 0 | 3451 | 1 | 5500 | 1 | 7549 | 0 | 9598 | 0 | 11647 | 1 |
| 1403 | 1 | 3452 | 0 | 5501 | 0 | 7550 | 0 | 9599 | 0 | 11648 | 0 |
| 1404 | 1 | 3453 | 1 | 5502 | 1 | 7551 | 0 | 9600 | 1 | 11649 | 1 |
| 1405 | 0 | 3454 | 0 | 5503 | 1 | 7552 | 0 | 9601 | 1 | 11650 | 1 |
| 1406 | 0 | 3455 | 1 | 5504 | 0 | 7553 | 1 | 9602 | 1 | 11651 | 0 |
| 1407 | 0 | 3456 | 1 | 5505 | 0 | 7554 | 1 | 9603 | 0 | 11652 | 0 |
| 1408 | 1 | 3457 | 1 | 5506 | 1 | 7555 | 0 | 9604 | 1 | 11653 | 0 |
| 1409 | 0 | 3458 | 1 | 5507 | 0 | 7556 | 0 | 9605 | 0 | 11654 | 1 |
| 1410 | 1 | 3459 | 0 | 5508 | 0 | 7557 | 0 | 9606 | 0 | 11655 | 1 |
| 1411 | 0 | 3460 | 1 | 5509 | 0 | 7558 | 1 | 9607 | 1 | 11656 | 0 |
| 1412 | 0 | 3461 | 1 | 5510 | 0 | 7559 | 0 | 9608 | 1 | 11657 | 1 |
| 1413 | 1 | 3462 | 0 | 5511 | 0 | 7560 | 1 | 9609 | 0 | 11658 | 0 |
| 1414 | 0 | 3463 | 1 | 5512 | 1 | 7561 | 1 | 9610 | 0 | 11659 | 1 |
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| 1416 | 1 | 3465 | 0 | 5514 | 1 | 7563 | 0 | 9612 | 0 | 11661 | 1 |
| 1417 | 1 | 3466 | 0 | 5515 | 1 | 7564 | 1 | 9613 | 0 | 11662 | 0 |
| 1418 | 0 | 3467 | 0 | 5516 | 1 | 7565 | 1 | 9614 | 0 | 11663 | 1 |
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| 1420 | 0 | 3469 | 0 | 5518 | 1 | 7567 | 1 | 9616 | 0 | 11665 | 0 |
| 1421 | 1 | 3470 | 1 | 5519 | 1 | 7568 | 1 | 9617 | 0 | 11666 | 0 |
| 1422 | 1 | 3471 | 0 | 5520 | 0 | 7569 | 1 | 9618 | 1 | 11667 | 0 |
| 1423 | 0 | 3472 | 1 | 5521 | 1 | 7570 | 0 | 9619 | 1 | 11668 | 1 |
| 1424 | 1 | 3473 | 0 | 5522 | 0 | 7571 | 0 | 9620 | 1 | 11669 | 0 |
| 1425 | 0 | 3474 | 0 | 5523 | 1 | 7572 | 0 | 9621 | 0 | 11670 | 1 |
| 1426 | 0 | 3475 | 1 | 5524 | 1 | 7573 | 1 | 9622 | 0 | 11671 | 1 |
| 1427 | 0 | 3476 | 0 | 5525 | 1 | 7574 | 0 | 9623 | 0 | 11672 | 1 |
| 1428 | 1 | 3477 | 0 | 5526 | 1 | 7575 | 0 | 9624 | 1 | 11673 | 1 |
| 1429 | 0 | 3478 | 0 | 5527 | 1 | 7576 | 1 | 9625 | 1 | 11674 | 0 |
| 1430 | 1 | 3479 | 1 | 5528 | 1 | 7577 | 1 | 9626 | 1 | 11675 | 0 |
| 1431 | 0 | 3480 | 0 | 5529 | 1 | 7578 | 1 | 9627 | 1 | 11676 | 1 |
| 1432 | 0 | 3481 | 1 | 5530 | 0 | 7579 | 1 | 9628 | 1 | 11677 | 1 |
| 1433 | 1 | 3482 | 1 | 5531 | 1 | 7580 | 0 | 9629 | 1 | 11678 | 0 |
| 1434 | 0 | 3483 | 0 | 5532 | 0 | 7581 | 1 | 9630 | 0 | 11679 | 0 |
| 1435 | 0 | 3484 | 0 | 5533 | 1 | 7582 | 0 | 9631 | 1 | 11680 | 1 |
| 1436 | 0 | 3485 | 0 | 5534 | 1 | 7583 | 1 | 9632 | 0 | 11681 | 0 |
| 1437 | 0 | 3486 | 0 | 5535 | 1 | 7584 | 1 | 9633 | 1 | 11682 | 1 |
| 1438 | 0 | 3487 | 0 | 5536 | 0 | 7585 | 0 | 9634 | 0 | 11683 | 0 |
| 1439 | 1 | 3488 | 1 | 5537 | 0 | 7586 | 0 | 9635 | 1 | 11684 | 0 |
| 1440 | 0 | 3489 | 0 | 5538 | 1 | 7587 | 0 | 9636 | 1 | 11685 | 0 |
| 1441 | 1 | 3490 | 0 | 5539 | 0 | 7588 | 1 | 9637 | 1 | 11686 | 0 |
| 1442 | 1 | 3491 | 0 | 5540 | 1 | 7589 | 0 | 9638 | 0 | 11687 | 0 |
| 1443 | 0 | 3492 | 1 | 5541 | 1 | 7590 | 1 | 9639 | 1 | 11688 | 1 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1444 | 0 | 3493 | 0 | 5542 | 1 | 7591 | 0 | 9640 | 0 | 11689 | 0 |
| 1445 | 1 | 3494 | 0 | 5543 | 0 | 7592 | 1 | 9641 | 0 | 11690 | 0 |
| 1446 | 1 | 3495 | 1 | 5544 | 1 | 7593 | 0 | 9642 | 0 | 11691 | 1 |
| 1447 | 0 | 3496 | 0 | 5545 | 0 | 7594 | 1 | 9643 | 1 | 11692 | 0 |
| 1448 | 0 | 3497 | 0 | 5546 | 0 | 7595 | 0 | 9644 | 0 | 11693 | 0 |
| 1449 | 1 | 3498 | 1 | 5547 | 1 | 7596 | 0 | 9645 | 1 | 11694 | 0 |
| 1450 | 0 | 3499 | 0 | 5548 | 1 | 7597 | 1 | 9646 | 0 | 11695 | 1 |
| 1451 | 1 | 3500 | 0 | 5549 | 1 | 7598 | 0 | 9647 | 0 | 11696 | 1 |
| 1452 | 1 | 3501 | 0 | 5550 | 0 | 7599 | 0 | 9648 | 0 | 11697 | 0 |
| 1453 | 0 | 3502 | 1 | 5551 | 1 | 7600 | 1 | 9649 | 0 | 11698 | 0 |
| 1454 | 0 | 3503 | 1 | 5552 | 1 | 7601 | 1 | 9650 | 0 | 11699 | 1 |
| 1455 | 1 | 3504 | 0 | 5553 | 0 | 7602 | 1 | 9651 | 0 | 11700 | 1 |
| 1456 | 0 | 3505 | 0 | 5554 | 0 | 7603 | 0 | 9652 | 0 | 11701 | 0 |
| 1457 | 1 | 3506 | 1 | 5555 | 1 | 7604 | 0 | 9653 | 0 | 11702 | 1 |
| 1458 | 0 | 3507 | 0 | 5556 | 0 | 7605 | 1 | 9654 | 1 | 11703 | 0 |
| 1459 | 0 | 3508 | 0 | 5557 | 0 | 7606 | 0 | 9655 | 0 | 11704 | 1 |
| 1460 | 0 | 3509 | 0 | 5558 | 0 | 7607 | 1 | 9656 | 0 | 11705 | 1 |
| 1461 | 0 | 3510 | 0 | 5559 | 0 | 7608 | 1 | 9657 | 0 | 11706 | 0 |
| 1462 | 1 | 3511 | 1 | 5560 | 1 | 7609 | 0 | 9658 | 0 | 11707 | 1 |
| 1463 | 0 | 3512 | 1 | 5561 | 0 | 7610 | 1 | 9659 | 1 | 11708 | 0 |
| 1464 | 1 | 3513 | 0 | 5562 | 0 | 7611 | 0 | 9660 | 1 | 11709 | 1 |
| 1465 | 0 | 3514 | 0 | 5563 | 1 | 7612 | 1 | 9661 | 1 | 11710 | 0 |
| 1466 | 1 | 3515 | 0 | 5564 | 0 | 7613 | 1 | 9662 | 0 | 11711 | 0 |
| 1467 | 0 | 3516 | 1 | 5565 | 1 | 7614 | 1 | 9663 | 0 | 11712 | 1 |
| 1468 | 1 | 3517 | 1 | 5566 | 0 | 7615 | 0 | 9664 | 1 | 11713 | 1 |
| 1469 | 0 | 3518 | 0 | 5567 | 1 | 7616 | 0 | 9665 | 0 | 11714 | 0 |
| 1470 | 1 | 3519 | 1 | 5568 | 1 | 7617 | 0 | 9666 | 0 | 11715 | 1 |
| 1471 | 0 | 3520 | 1 | 5569 | 1 | 7618 | 1 | 9667 | 1 | 11716 | 0 |
| 1472 | 1 | 3521 | 1 | 5570 | 1 | 7619 | 1 | 9668 | 1 | 11717 | 1 |
| 1473 | 0 | 3522 | 1 | 5571 | 1 | 7620 | 0 | 9669 | 1 | 11718 | 1 |
| 1474 | 1 | 3523 | 1 | 5572 | 0 | 7621 | 1 | 9670 | 0 | 11719 | 1 |
| 1475 | 1 | 3524 | 0 | 5573 | 0 | 7622 | 1 | 9671 | 0 | 11720 | 1 |
| 1476 | 0 | 3525 | 0 | 5574 | 1 | 7623 | 1 | 9672 | 1 | 11721 | 1 |
| 1477 | 0 | 3526 | 0 | 5575 | 1 | 7624 | 0 | 9673 | 0 | 11722 | 1 |
| 1478 | 0 | 3527 | 1 | 5576 | 0 | 7625 | 0 | 9674 | 0 | 11723 | 0 |
| 1479 | 0 | 3528 | 1 | 5577 | 1 | 7626 | 1 | 9675 | 1 | 11724 | 1 |
| 1480 | 0 | 3529 | 0 | 5578 | 1 | 7627 | 0 | 9676 | 0 | 11725 | 1 |
| 1481 | 0 | 3530 | 1 | 5579 | 0 | 7628 | 1 | 9677 | 1 | 11726 | 0 |
| 1482 | 1 | 3531 | 0 | 5580 | 1 | 7629 | 1 | 9678 | 1 | 11727 | 1 |
| 1483 | 0 | 3532 | 0 | 5581 | 0 | 7630 | 1 | 9679 | 1 | 11728 | 0 |
| 1484 | 0 | 3533 | 1 | 5582 | 1 | 7631 | 1 | 9680 | 1 | 11729 | 0 |
| 1485 | 0 | 3534 | 1 | 5583 | 1 | 7632 | 1 | 9681 | 1 | 11730 | 1 |
| 1486 | 1 | 3535 | 1 | 5584 | 0 | 7633 | 1 | 9682 | 1 | 11731 | 0 |
| 1487 | 1 | 3536 | 1 | 5585 | 0 | 7634 | 0 | 9683 | 0 | 11732 | 0 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1488 | 1 | 3537 | 1 | 5586 | 1 | 7635 | 0 | 9684 | 1 | 11733 | 1 |
| 1489 | 1 | 3538 | 0 | 5587 | 1 | 7636 | 1 | 9685 | 1 | 11734 | 1 |
| 1490 | 0 | 3539 | 0 | 5588 | 0 | 7637 | 1 | 9686 | 0 | 11735 | 1 |
| 1491 | 0 | 3540 | 0 | 5589 | 1 | 7638 | 0 | 9687 | 0 | 11736 | 0 |
| 1492 | 0 | 3541 | 1 | 5590 | 1 | 7639 | 1 | 9688 | 1 | 11737 | 1 |
| 1493 | 0 | 3542 | 0 | 5591 | 1 | 7640 | 1 | 9689 | 1 | 11738 | 0 |
| 1494 | 1 | 3543 | 1 | 5592 | 0 | 7641 | 0 | 9690 | 1 | 11739 | 0 |
| 1495 | 1 | 3544 | 1 | 5593 | 0 | 7642 | 0 | 9691 | 1 | 11740 | 0 |
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| 1497 | 0 | 3546 | 0 | 5595 | 1 | 7644 | 1 | 9693 | 1 | 11742 | 1 |
| 1498 | 0 | 3547 | 0 | 5596 | 0 | 7645 | 1 | 9694 | 1 | 11743 | 0 |
| 1499 | 1 | 3548 | 0 | 5597 | 0 | 7646 | 1 | 9695 | 0 | 11744 | 1 |
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| 1501 | 0 | 3550 | 0 | 5599 | 0 | 7648 | 1 | 9697 | 1 | 11746 | 0 |
| 1502 | 1 | 3551 | 0 | 5600 | 0 | 7649 | 0 | 9698 | 0 | 11747 | 0 |
| 1503 | 1 | 3552 | 0 | 5601 | 1 | 7650 | 1 | 9699 | 1 | 11748 | 1 |
| 1504 | 1 | 3553 | 1 | 5602 | 0 | 7651 | 0 | 9700 | 0 | 11749 | 0 |
| 1505 | 1 | 3554 | 0 | 5603 | 0 | 7652 | 0 | 9701 | 0 | 11750 | 1 |
| 1506 | 0 | 3555 | 1 | 5604 | 1 | 7653 | 1 | 9702 | 1 | 11751 | 0 |
| 1507 | 0 | 3556 | 0 | 5605 | 0 | 7654 | 0 | 9703 | 0 | 11752 | 0 |
| 1508 | 0 | 3557 | 0 | 5606 | 1 | 7655 | 0 | 9704 | 1 | 11753 | 0 |
| 1509 | 1 | 3558 | 1 | 5607 | 1 | 7656 | 0 | 9705 | 1 | 11754 | 1 |
| 1510 | 0 | 3559 | 0 | 5608 | 0 | 7657 | 0 | 9706 | 1 | 11755 | 1 |
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| 1512 | 0 | 3561 | 0 | 5610 | 0 | 7659 | 0 | 9708 | 0 | 11757 | 1 |
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| 1514 | 1 | 3563 | 1 | 5612 | 0 | 7661 | 0 | 9710 | 0 | 11759 | 0 |
| 1515 | 1 | 3564 | 0 | 5613 | 0 | 7662 | 0 | 9711 | 1 | 11760 | 1 |
| 1516 | 1 | 3565 | 1 | 5614 | 1 | 7663 | 0 | 9712 | 1 | 11761 | 0 |
| 1517 | 1 | 3566 | 1 | 5615 | 0 | 7664 | 1 | 9713 | 1 | 11762 | 1 |
| 1518 | 1 | 3567 | 1 | 5616 | 1 | 7665 | 1 | 9714 | 0 | 11763 | 0 |
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| 1527 | 0 | 3576 | 0 | 5625 | 0 | 7674 | 1 | 9723 | 0 | 11772 | 0 |
| 1528 | 0 | 3577 | 1 | 5626 | 0 | 7675 | 0 | 9724 | 0 | 11773 | 0 |
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| 1530 | 1 | 3579 | 0 | 5628 | 0 | 7677 | 1 | 9726 | 1 | 11775 | 0 |
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|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1532 | 0 | 3581 | 0 | 5630 | 1 | 7679 | 1 | 9728 | 0 | 11777 | 0 |
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| 1536 | 1 | 3585 | 1 | 5634 | 0 | 7683 | 0 | 9732 | 0 | 11781 | 0 |
| 1537 | 0 | 3586 | 1 | 5635 | 0 | 7684 | 0 | 9733 | 1 | 11782 | 1 |
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| 1541 | 0 | 3590 | 1 | 5639 | 0 | 7688 | 0 | 9737 | 1 | 11786 | 0 |
| 1542 | 0 | 3591 | 0 | 5640 | 0 | 7689 | 1 | 9738 | 0 | 11787 | 1 |
| 1543 | 1 | 3592 | 1 | 5641 | 1 | 7690 | 1 | 9739 | 0 | 11788 | 1 |
| 1544 | 1 | 3593 | 0 | 5642 | 0 | 7691 | 0 | 9740 | 1 | 11789 | 1 |
| 1545 | 0 | 3594 | 0 | 5643 | 0 | 7692 | 1 | 9741 | 0 | 11790 | 0 |
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| 1548 | 0 | 3597 | 1 | 5646 | 1 | 7695 | 1 | 9744 | 1 | 11793 | 0 |
| 1549 | 0 | 3598 | 0 | 5647 | 0 | 7696 | 1 | 9745 | 0 | 11794 | 1 |
| 1550 | 0 | 3599 | 1 | 5648 | 1 | 7697 | 0 | 9746 | 1 | 11795 | 1 |
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| 1552 | 0 | 3601 | 1 | 5650 | 0 | 7699 | 1 | 9748 | 1 | 11797 | 1 |
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| 1554 | 1 | 3603 | 1 | 5652 | 0 | 7701 | 1 | 9750 | 1 | 11799 | 1 |
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| 1560 | 0 | 3609 | 0 | 5658 | 1 | 7707 | 1 | 9756 | 1 | 11805 | 0 |
| 1561 | 1 | 3610 | 0 | 5659 | 1 | 7708 | 1 | 9757 | 1 | 11806 | 1 |
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| 1567 | 1 | 3616 | 1 | 5665 | 1 | 7714 | 0 | 9763 | 0 | 11812 | 0 |
| 1568 | 0 | 3617 | 0 | 5666 | 1 | 7715 | 1 | 9764 | 0 | 11813 | 0 |
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| 1570 | 0 | 3619 | 1 | 5668 | 1 | 7717 | 0 | 9766 | 0 | 11815 | 1 |
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| 1572 | 0 | 3621 | 1 | 5670 | 1 | 7719 | 1 | 9768 | 0 | 11817 | 1 |
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| 1574 | 0 | 3623 | 0 | 5672 | 0 | 7721 | 0 | 9770 | 0 | 11819 | 1 |
| 1575 | 0 | 3624 | 1 | 5673 | 1 | 7722 | 0 | 9771 | 1 | 11820 | 1 |

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|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1576 | 0 | 3625 | 1 | 5674 | 0 | 7723 | 0 | 9772 | 1 | 11821 | 0 |
| 1577 | 1 | 3626 | 0 | 5675 | 1 | 7724 | 0 | 9773 | 0 | 11822 | 1 |
| 1578 | 0 | 3627 | 0 | 5676 | 1 | 7725 | 0 | 9774 | 1 | 11823 | 0 |
| 1579 | 1 | 3628 | 0 | 5677 | 1 | 7726 | 1 | 9775 | 0 | 11824 | 0 |
| 1580 | 0 | 3629 | 0 | 5678 | 1 | 7727 | 1 | 9776 | 1 | 11825 | 0 |
| 1581 | 0 | 3630 | 0 | 5679 | 1 | 7728 | 0 | 9777 | 0 | 11826 | 1 |
| 1582 | 0 | 3631 | 1 | 5680 | 1 | 7729 | 0 | 9778 | 1 | 11827 | 1 |
| 1583 | 1 | 3632 | 1 | 5681 | 0 | 7730 | 0 | 9779 | 1 | 11828 | 1 |
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| 1585 | 0 | 3634 | 0 | 5683 | 0 | 7732 | 1 | 9781 | 0 | 11830 | 1 |
| 1586 | 1 | 3635 | 0 | 5684 | 0 | 7733 | 0 | 9782 | 0 | 11831 | 0 |
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| 1592 | 1 | 3641 | 1 | 5690 | 1 | 7739 | 1 | 9788 | 1 | 11837 | 1 |
| 1593 | 0 | 3642 | 0 | 5691 | 0 | 7740 | 0 | 9789 | 1 | 11838 | 1 |
| 1594 | 0 | 3643 | 1 | 5692 | 0 | 7741 | 0 | 9790 | 0 | 11839 | 0 |
| 1595 | 0 | 3644 | 1 | 5693 | 0 | 7742 | 1 | 9791 | 0 | 11840 | 1 |
| 1596 | 1 | 3645 | 1 | 5694 | 0 | 7743 | 0 | 9792 | 0 | 11841 | 0 |
| 1597 | 1 | 3646 | 1 | 5695 | 1 | 7744 | 0 | 9793 | 1 | 11842 | 0 |
| 1598 | 0 | 3647 | 0 | 5696 | 0 | 7745 | 0 | 9794 | 0 | 11843 | 1 |
| 1599 | 1 | 3648 | 1 | 5697 | 1 | 7746 | 1 | 9795 | 1 | 11844 | 0 |
| 1600 | 1 | 3649 | 1 | 5698 | 1 | 7747 | 0 | 9796 | 1 | 11845 | 1 |
| 1601 | 0 | 3650 | 0 | 5699 | 0 | 7748 | 0 | 9797 | 0 | 11846 | 1 |
| 1602 | 1 | 3651 | 0 | 5700 | 0 | 7749 | 1 | 9798 | 1 | 11847 | 0 |
| 1603 | 0 | 3652 | 0 | 5701 | 0 | 7750 | 1 | 9799 | 0 | 11848 | 0 |
| 1604 | 0 | 3653 | 0 | 5702 | 0 | 7751 | 1 | 9800 | 1 | 11849 | 0 |
| 1605 | 0 | 3654 | 0 | 5703 | 0 | 7752 | 1 | 9801 | 1 | 11850 | 0 |
| 1606 | 0 | 3655 | 1 | 5704 | 1 | 7753 | 0 | 9802 | 0 | 11851 | 1 |
| 1607 | 0 | 3656 | 1 | 5705 | 1 | 7754 | 1 | 9803 | 1 | 11852 | 0 |
| 1608 | 0 | 3657 | 0 | 5706 | 0 | 7755 | 0 | 9804 | 0 | 11853 | 1 |
| 1609 | 0 | 3658 | 0 | 5707 | 0 | 7756 | 0 | 9805 | 1 | 11854 | 0 |
| 1610 | 0 | 3659 | 1 | 5708 | 1 | 7757 | 1 | 9806 | 1 | 11855 | 0 |
| 1611 | 0 | 3660 | 0 | 5709 | 1 | 7758 | 1 | 9807 | 1 | 11856 | 1 |
| 1612 | 0 | 3661 | 1 | 5710 | 0 | 7759 | 1 | 9808 | 1 | 11857 | 1 |
| 1613 | 0 | 3662 | 1 | 5711 | 0 | 7760 | 1 | 9809 | 0 | 11858 | 1 |
| 1614 | 0 | 3663 | 0 | 5712 | 0 | 7761 | 0 | 9810 | 1 | 11859 | 1 |
| 1615 | 1 | 3664 | 1 | 5713 | 0 | 7762 | 1 | 9811 | 1 | 11860 | 0 |
| 1616 | 0 | 3665 | 1 | 5714 | 0 | 7763 | 0 | 9812 | 0 | 11861 | 0 |
| 1617 | 0 | 3666 | 1 | 5715 | 1 | 7764 | 0 | 9813 | 0 | 11862 | 0 |
| 1618 | 0 | 3667 | 1 | 5716 | 1 | 7765 | 0 | 9814 | 1 | 11863 | 0 |
| 1619 | 1 | 3668 | 1 | 5717 | 0 | 7766 | 0 | 9815 | 0 | 11864 | 1 |

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| 1620 | 1 | 3669 | 1 | 5718 | 0 | 7767 | 0 | 9816 | 1 | 11865 | 0 |
| 1621 | 1 | 3670 | 0 | 5719 | 0 | 7768 | 0 | 9817 | 0 | 11866 | 1 |
| 1622 | 0 | 3671 | 0 | 5720 | 1 | 7769 | 1 | 9818 | 0 | 11867 | 1 |
| 1623 | 0 | 3672 | 1 | 5721 | 1 | 7770 | 0 | 9819 | 1 | 11868 | 1 |
| 1624 | 1 | 3673 | 1 | 5722 | 1 | 7771 | 1 | 9820 | 0 | 11869 | 1 |
| 1625 | 0 | 3674 | 1 | 5723 | 0 | 7772 | 1 | 9821 | 1 | 11870 | 1 |
| 1626 | 0 | 3675 | 1 | 5724 | 1 | 7773 | 1 | 9822 | 1 | 11871 | 0 |
| 1627 | 1 | 3676 | 1 | 5725 | 0 | 7774 | 1 | 9823 | 0 | 11872 | 0 |
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| 1629 | 1 | 3678 | 0 | 5727 | 1 | 7776 | 1 | 9825 | 1 | 11874 | 1 |
| 1630 | 1 | 3679 | 1 | 5728 | 0 | 7777 | 0 | 9826 | 0 | 11875 | 1 |
| 1631 | 0 | 3680 | 0 | 5729 | 1 | 7778 | 0 | 9827 | 1 | 11876 | 1 |
| 1632 | 0 | 3681 | 0 | 5730 | 0 | 7779 | 1 | 9828 | 0 | 11877 | 1 |
| 1633 | 1 | 3682 | 0 | 5731 | 1 | 7780 | 0 | 9829 | 0 | 11878 | 1 |
| 1634 | 1 | 3683 | 0 | 5732 | 1 | 7781 | 0 | 9830 | 0 | 11879 | 1 |
| 1635 | 0 | 3684 | 0 | 5733 | 1 | 7782 | 1 | 9831 | 1 | 11880 | 1 |
| 1636 | 1 | 3685 | 0 | 5734 | 1 | 7783 | 0 | 9832 | 1 | 11881 | 0 |
| 1637 | 1 | 3686 | 0 | 5735 | 0 | 7784 | 0 | 9833 | 0 | 11882 | 1 |
| 1638 | 0 | 3687 | 0 | 5736 | 0 | 7785 | 1 | 9834 | 0 | 11883 | 1 |
| 1639 | 0 | 3688 | 0 | 5737 | 0 | 7786 | 1 | 9835 | 0 | 11884 | 1 |
| 1640 | 1 | 3689 | 0 | 5738 | 1 | 7787 | 1 | 9836 | 0 | 11885 | 0 |
| 1641 | 1 | 3690 | 0 | 5739 | 1 | 7788 | 0 | 9837 | 1 | 11886 | 1 |
| 1642 | 1 | 3691 | 0 | 5740 | 0 | 7789 | 0 | 9838 | 0 | 11887 | 1 |
| 1643 | 1 | 3692 | 0 | 5741 | 0 | 7790 | 1 | 9839 | 1 | 11888 | 0 |
| 1644 | 0 | 3693 | 1 | 5742 | 0 | 7791 | 1 | 9840 | 1 | 11889 | 0 |
| 1645 | 1 | 3694 | 1 | 5743 | 1 | 7792 | 0 | 9841 | 0 | 11890 | 0 |
| 1646 | 1 | 3695 | 0 | 5744 | 0 | 7793 | 0 | 9842 | 0 | 11891 | 0 |
| 1647 | 1 | 3696 | 1 | 5745 | 1 | 7794 | 1 | 9843 | 0 | 11892 | 1 |
| 1648 | 0 | 3697 | 1 | 5746 | 1 | 7795 | 1 | 9844 | 1 | 11893 | 1 |
| 1649 | 0 | 3698 | 1 | 5747 | 1 | 7796 | 0 | 9845 | 1 | 11894 | 0 |
| 1650 | 1 | 3699 | 1 | 5748 | 1 | 7797 | 0 | 9846 | 0 | 11895 | 0 |
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| 1652 | 1 | 3701 | 1 | 5750 | 1 | 7799 | 0 | 9848 | 1 | 11897 | 0 |
| 1653 | 1 | 3702 | 0 | 5751 | 0 | 7800 | 1 | 9849 | 0 | 11898 | 1 |
| 1654 | 1 | 3703 | 0 | 5752 | 0 | 7801 | 1 | 9850 | 0 | 11899 | 0 |
| 1655 | 1 | 3704 | 1 | 5753 | 0 | 7802 | 0 | 9851 | 0 | 11900 | 0 |
| 1656 | 1 | 3705 | 1 | 5754 | 0 | 7803 | 1 | 9852 | 1 | 11901 | 0 |
| 1657 | 1 | 3706 | 1 | 5755 | 1 | 7804 | 1 | 9853 | 0 | 11902 | 0 |
| 1658 | 1 | 3707 | 0 | 5756 | 1 | 7805 | 1 | 9854 | 1 | 11903 | 0 |
| 1659 | 1 | 3708 | 1 | 5757 | 1 | 7806 | 1 | 9855 | 1 | 11904 | 0 |
| 1660 | 0 | 3709 | 1 | 5758 | 0 | 7807 | 1 | 9856 | 1 | 11905 | 1 |
| 1661 | 0 | 3710 | 0 | 5759 | 1 | 7808 | 0 | 9857 | 0 | 11906 | 1 |
| 1662 | 0 | 3711 | 1 | 5760 | 1 | 7809 | 1 | 9858 | 1 | 11907 | 0 |
| 1663 | 1 | 3712 | 1 | 5761 | 1 | 7810 | 1 | 9859 | 0 | 11908 | 0 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1664 | 1 | 3713 | 0 | 5762 | 1 | 7811 | 0 | 9860 | 1 | 11909 | 0 |
| 1665 | 1 | 3714 | 0 | 5763 | 1 | 7812 | 1 | 9861 | 1 | 11910 | 1 |
| 1666 | 0 | 3715 | 1 | 5764 | 1 | 7813 | 1 | 9862 | 0 | 11911 | 1 |
| 1667 | 0 | 3716 | 1 | 5765 | 0 | 7814 | 0 | 9863 | 0 | 11912 | 0 |
| 1668 | 0 | 3717 | 1 | 5766 | 0 | 7815 | 1 | 9864 | 0 | 11913 | 0 |
| 1669 | 0 | 3718 | 0 | 5767 | 0 | 7816 | 1 | 9865 | 1 | 11914 | 1 |
| 1670 | 0 | 3719 | 1 | 5768 | 1 | 7817 | 1 | 9866 | 0 | 11915 | 1 |
| 1671 | 1 | 3720 | 0 | 5769 | 0 | 7818 | 0 | 9867 | 1 | 11916 | 1 |
| 1672 | 1 | 3721 | 1 | 5770 | 0 | 7819 | 1 | 9868 | 0 | 11917 | 1 |
| 1673 | 1 | 3722 | 1 | 5771 | 1 | 7820 | 1 | 9869 | 1 | 11918 | 1 |
| 1674 | 1 | 3723 | 0 | 5772 | 1 | 7821 | 1 | 9870 | 1 | 11919 | 1 |
| 1675 | 0 | 3724 | 0 | 5773 | 0 | 7822 | 0 | 9871 | 0 | 11920 | 0 |
| 1676 | 0 | 3725 | 0 | 5774 | 0 | 7823 | 0 | 9872 | 1 | 11921 | 1 |
| 1677 | 0 | 3726 | 0 | 5775 | 0 | 7824 | 1 | 9873 | 1 | 11922 | 0 |
| 1678 | 1 | 3727 | 0 | 5776 | 1 | 7825 | 1 | 9874 | 1 | 11923 | 1 |
| 1679 | 1 | 3728 | 1 | 5777 | 1 | 7826 | 0 | 9875 | 0 | 11924 | 0 |
| 1680 | 1 | 3729 | 0 | 5778 | 1 | 7827 | 1 | 9876 | 0 | 11925 | 1 |
| 1681 | 0 | 3730 | 0 | 5779 | 0 | 7828 | 1 | 9877 | 0 | 11926 | 1 |
| 1682 | 0 | 3731 | 0 | 5780 | 0 | 7829 | 0 | 9878 | 1 | 11927 | 0 |
| 1683 | 0 | 3732 | 0 | 5781 | 1 | 7830 | 1 | 9879 | 1 | 11928 | 1 |
| 1684 | 0 | 3733 | 0 | 5782 | 1 | 7831 | 1 | 9880 | 0 | 11929 | 0 |
| 1685 | 1 | 3734 | 0 | 5783 | 1 | 7832 | 1 | 9881 | 1 | 11930 | 1 |
| 1686 | 1 | 3735 | 1 | 5784 | 0 | 7833 | 0 | 9882 | 0 | 11931 | 0 |
| 1687 | 1 | 3736 | 0 | 5785 | 0 | 7834 | 0 | 9883 | 1 | 11932 | 0 |
| 1688 | 1 | 3737 | 1 | 5786 | 0 | 7835 | 1 | 9884 | 0 | 11933 | 1 |
| 1689 | 0 | 3738 | 1 | 5787 | 0 | 7836 | 0 | 9885 | 0 | 11934 | 1 |
| 1690 | 1 | 3739 | 1 | 5788 | 1 | 7837 | 0 | 9886 | 1 | 11935 | 0 |
| 1691 | 0 | 3740 | 1 | 5789 | 1 | 7838 | 0 | 9887 | 0 | 11936 | 1 |
| 1692 | 0 | 3741 | 0 | 5790 | 1 | 7839 | 0 | 9888 | 1 | 11937 | 0 |
| 1693 | 0 | 3742 | 0 | 5791 | 0 | 7840 | 0 | 9889 | 1 | 11938 | 0 |
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| 1695 | 0 | 3744 | 0 | 5793 | 1 | 7842 | 0 | 9891 | 1 | 11940 | 1 |
| 1696 | 0 | 3745 | 0 | 5794 | 0 | 7843 | 0 | 9892 | 1 | 11941 | 1 |
| 1697 | 1 | 3746 | 0 | 5795 | 0 | 7844 | 0 | 9893 | 1 | 11942 | 1 |
| 1698 | 1 | 3747 | 0 | 5796 | 1 | 7845 | 1 | 9894 | 1 | 11943 | 0 |
| 1699 | 1 | 3748 | 0 | 5797 | 1 | 7846 | 1 | 9895 | 0 | 11944 | 0 |
| 1700 | 1 | 3749 | 0 | 5798 | 1 | 7847 | 0 | 9896 | 0 | 11945 | 0 |
| 1701 | 0 | 3750 | 0 | 5799 | 0 | 7848 | 0 | 9897 | 0 | 11946 | 1 |
| 1702 | 0 | 3751 | 0 | 5800 | 0 | 7849 | 1 | 9898 | 1 | 11947 | 0 |
| 1703 | 0 | 3752 | 0 | 5801 | 1 | 7850 | 0 | 9899 | 0 | 11948 | 0 |
| 1704 | 0 | 3753 | 0 | 5802 | 0 | 7851 | 1 | 9900 | 1 | 11949 | 0 |
| 1705 | 1 | 3754 | 0 | 5803 | 1 | 7852 | 0 | 9901 | 1 | 11950 | 1 |
| 1706 | 0 | 3755 | 0 | 5804 | 0 | 7853 | 1 | 9902 | 0 | 11951 | 1 |
| 1707 | 1 | 3756 | 0 | 5805 | 1 | 7854 | 1 | 9903 | 1 | 11952 | 0 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1708 | 0 | 3757 | 0 | 5806 | 1 | 7855 | 0 | 9904 | 1 | 11953 | 1 |
| 1709 | 1 | 3758 | 0 | 5807 | 1 | 7856 | 0 | 9905 | 1 | 11954 | 1 |
| 1710 | 1 | 3759 | 1 | 5808 | 1 | 7857 | 0 | 9906 | 1 | 11955 | 1 |
| 1711 | 0 | 3760 | 1 | 5809 | 1 | 7858 | 0 | 9907 | 1 | 11956 | 0 |
| 1712 | 1 | 3761 | 1 | 5810 | 1 | 7859 | 1 | 9908 | 0 | 11957 | 0 |
| 1713 | 0 | 3762 | 0 | 5811 | 1 | 7860 | 1 | 9909 | 1 | 11958 | 1 |
| 1714 | 0 | 3763 | 1 | 5812 | 0 | 7861 | 1 | 9910 | 1 | 11959 | 1 |
| 1715 | 1 | 3764 | 0 | 5813 | 1 | 7862 | 1 | 9911 | 1 | 11960 | 1 |
| 1716 | 1 | 3765 | 0 | 5814 | 0 | 7863 | 0 | 9912 | 0 | 11961 | 1 |
| 1717 | 0 | 3766 | 1 | 5815 | 1 | 7864 | 0 | 9913 | 1 | 11962 | 1 |
| 1718 | 0 | 3767 | 0 | 5816 | 1 | 7865 | 1 | 9914 | 1 | 11963 | 0 |
| 1719 | 0 | 3768 | 0 | 5817 | 1 | 7866 | 1 | 9915 | 1 | 11964 | 0 |
| 1720 | 0 | 3769 | 0 | 5818 | 0 | 7867 | 0 | 9916 | 0 | 11965 | 0 |
| 1721 | 0 | 3770 | 1 | 5819 | 1 | 7868 | 0 | 9917 | 1 | 11966 | 0 |
| 1722 | 0 | 3771 | 1 | 5820 | 1 | 7869 | 1 | 9918 | 1 | 11967 | 1 |
| 1723 | 0 | 3772 | 0 | 5821 | 0 | 7870 | 0 | 9919 | 0 | 11968 | 0 |
| 1724 | 0 | 3773 | 1 | 5822 | 1 | 7871 | 0 | 9920 | 0 | 11969 | 1 |
| 1725 | 0 | 3774 | 0 | 5823 | 0 | 7872 | 0 | 9921 | 0 | 11970 | 0 |
| 1726 | 1 | 3775 | 1 | 5824 | 1 | 7873 | 1 | 9922 | 1 | 11971 | 0 |
| 1727 | 1 | 3776 | 1 | 5825 | 1 | 7874 | 1 | 9923 | 0 | 11972 | 0 |
| 1728 | 1 | 3777 | 1 | 5826 | 1 | 7875 | 1 | 9924 | 1 | 11973 | 0 |
| 1729 | 1 | 3778 | 0 | 5827 | 0 | 7876 | 0 | 9925 | 0 | 11974 | 0 |
| 1730 | 0 | 3779 | 0 | 5828 | 1 | 7877 | 0 | 9926 | 1 | 11975 | 1 |
| 1731 | 0 | 3780 | 0 | 5829 | 1 | 7878 | 1 | 9927 | 0 | 11976 | 0 |
| 1732 | 0 | 3781 | 0 | 5830 | 1 | 7879 | 1 | 9928 | 0 | 11977 | 1 |
| 1733 | 1 | 3782 | 1 | 5831 | 0 | 7880 | 1 | 9929 | 0 | 11978 | 0 |
| 1734 | 1 | 3783 | 1 | 5832 | 0 | 7881 | 0 | 9930 | 1 | 11979 | 1 |
| 1735 | 0 | 3784 | 0 | 5833 | 0 | 7882 | 0 | 9931 | 1 | 11980 | 1 |
| 1736 | 0 | 3785 | 1 | 5834 | 0 | 7883 | 1 | 9932 | 1 | 11981 | 1 |
| 1737 | 0 | 3786 | 0 | 5835 | 1 | 7884 | 1 | 9933 | 0 | 11982 | 0 |
| 1738 | 1 | 3787 | 0 | 5836 | 0 | 7885 | 0 | 9934 | 0 | 11983 | 1 |
| 1739 | 0 | 3788 | 0 | 5837 | 0 | 7886 | 0 | 9935 | 0 | 11984 | 1 |
| 1740 | 1 | 3789 | 0 | 5838 | 1 | 7887 | 1 | 9936 | 1 | 11985 | 0 |
| 1741 | 1 | 3790 | 1 | 5839 | 1 | 7888 | 0 | 9937 | 0 | 11986 | 0 |
| 1742 | 0 | 3791 | 1 | 5840 | 0 | 7889 | 0 | 9938 | 0 | 11987 | 1 |
| 1743 | 1 | 3792 | 0 | 5841 | 0 | 7890 | 1 | 9939 | 0 | 11988 | 1 |
| 1744 | 1 | 3793 | 1 | 5842 | 0 | 7891 | 1 | 9940 | 0 | 11989 | 1 |
| 1745 | 1 | 3794 | 0 | 5843 | 0 | 7892 | 0 | 9941 | 0 | 11990 | 1 |
| 1746 | 0 | 3795 | 1 | 5844 | 1 | 7893 | 0 | 9942 | 1 | 11991 | 1 |
| 1747 | 1 | 3796 | 0 | 5845 | 1 | 7894 | 0 | 9943 | 0 | 11992 | 0 |
| 1748 | 1 | 3797 | 0 | 5846 | 0 | 7895 | 0 | 9944 | 1 | 11993 | 0 |
| 1749 | 0 | 3798 | 0 | 5847 | 1 | 7896 | 1 | 9945 | 1 | 11994 | 0 |
| 1750 | 0 | 3799 | 0 | 5848 | 0 | 7897 | 1 | 9946 | 0 | 11995 | 0 |
| 1751 | 0 | 3800 | 1 | 5849 | 1 | 7898 | 1 | 9947 | 0 | 11996 | 1 |

|      |   |      |   |      |   |      |   |      |   |       |   |
|------|---|------|---|------|---|------|---|------|---|-------|---|
| 1752 | 0 | 3801 | 0 | 5850 | 0 | 7899 | 1 | 9948 | 1 | 11997 | 0 |
| 1753 | 0 | 3802 | 0 | 5851 | 1 | 7900 | 1 | 9949 | 0 | 11998 | 0 |
| 1754 | 1 | 3803 | 0 | 5852 | 1 | 7901 | 1 | 9950 | 0 | 11999 | 0 |
| 1755 | 0 | 3804 | 0 | 5853 | 1 | 7902 | 1 | 9951 | 0 | 12000 | 0 |
| 1756 | 1 | 3805 | 1 | 5854 | 1 | 7903 | 0 | 9952 | 1 | 12001 | 1 |
| 1757 | 0 | 3806 | 0 | 5855 | 0 | 7904 | 1 | 9953 | 0 | 12002 | 0 |
| 1758 | 1 | 3807 | 0 | 5856 | 1 | 7905 | 0 | 9954 | 0 | 12003 | 1 |
| 1759 | 0 | 3808 | 0 | 5857 | 1 | 7906 | 0 | 9955 | 1 | 12004 | 1 |
| 1760 | 0 | 3809 | 1 | 5858 | 0 | 7907 | 1 | 9956 | 0 | 12005 | 1 |
| 1761 | 1 | 3810 | 1 | 5859 | 0 | 7908 | 1 | 9957 | 1 | 12006 | 0 |
| 1762 | 0 | 3811 | 0 | 5860 | 1 | 7909 | 0 | 9958 | 0 | 12007 | 1 |
| 1763 | 1 | 3812 | 1 | 5861 | 0 | 7910 | 1 | 9959 | 0 | 12008 | 0 |
| 1764 | 0 | 3813 | 0 | 5862 | 1 | 7911 | 0 | 9960 | 1 | 12009 | 1 |
| 1765 | 0 | 3814 | 0 | 5863 | 0 | 7912 | 0 | 9961 | 1 | 12010 | 1 |
| 1766 | 1 | 3815 | 1 | 5864 | 1 | 7913 | 1 | 9962 | 0 | 12011 | 1 |
| 1767 | 0 | 3816 | 0 | 5865 | 1 | 7914 | 1 | 9963 | 0 | 12012 | 0 |
| 1768 | 0 | 3817 | 0 | 5866 | 1 | 7915 | 0 | 9964 | 0 | 12013 | 0 |
| 1769 | 1 | 3818 | 1 | 5867 | 1 | 7916 | 1 | 9965 | 0 | 12014 | 1 |
| 1770 | 1 | 3819 | 1 | 5868 | 1 | 7917 | 0 | 9966 | 0 | 12015 | 1 |
| 1771 | 0 | 3820 | 0 | 5869 | 0 | 7918 | 0 | 9967 | 1 | 12016 | 0 |
| 1772 | 1 | 3821 | 0 | 5870 | 1 | 7919 | 1 | 9968 | 0 | 12017 | 0 |
| 1773 | 0 | 3822 | 1 | 5871 | 0 | 7920 | 0 | 9969 | 0 | 12018 | 1 |
| 1774 | 0 | 3823 | 1 | 5872 | 1 | 7921 | 0 | 9970 | 0 | 12019 | 1 |
| 1775 | 1 | 3824 | 1 | 5873 | 0 | 7922 | 1 | 9971 | 0 | 12020 | 1 |
| 1776 | 0 | 3825 | 0 | 5874 | 0 | 7923 | 0 | 9972 | 1 | 12021 | 0 |
| 1777 | 0 | 3826 | 1 | 5875 | 1 | 7924 | 1 | 9973 | 1 | 12022 | 0 |
| 1778 | 1 | 3827 | 0 | 5876 | 0 | 7925 | 1 | 9974 | 1 | 12023 | 1 |
| 1779 | 0 | 3828 | 0 | 5877 | 0 | 7926 | 1 | 9975 | 1 | 12024 | 0 |
| 1780 | 0 | 3829 | 0 | 5878 | 0 | 7927 | 0 | 9976 | 0 | 12025 | 1 |
| 1781 | 1 | 3830 | 0 | 5879 | 0 | 7928 | 0 | 9977 | 1 | 12026 | 1 |
| 1782 | 0 | 3831 | 0 | 5880 | 0 | 7929 | 1 | 9978 | 0 | 12027 | 1 |
| 1783 | 1 | 3832 | 0 | 5881 | 0 | 7930 | 0 | 9979 | 0 | 12028 | 1 |
| 1784 | 1 | 3833 | 1 | 5882 | 0 | 7931 | 1 | 9980 | 1 | 12029 | 1 |
| 1785 | 0 | 3834 | 1 | 5883 | 0 | 7932 | 0 | 9981 | 0 | 12030 | 1 |
| 1786 | 0 | 3835 | 0 | 5884 | 0 | 7933 | 0 | 9982 | 0 | 12031 | 0 |
| 1787 | 0 | 3836 | 1 | 5885 | 0 | 7934 | 1 | 9983 | 1 | 12032 | 0 |
| 1788 | 1 | 3837 | 1 | 5886 | 0 | 7935 | 0 | 9984 | 1 | 12033 | 1 |
| 1789 | 0 | 3838 | 1 | 5887 | 1 | 7936 | 1 | 9985 | 1 | 12034 | 1 |
| 1790 | 0 | 3839 | 0 | 5888 | 1 | 7937 | 1 | 9986 | 0 | 12035 | 1 |
| 1791 | 0 | 3840 | 1 | 5889 | 1 | 7938 | 1 | 9987 | 1 | 12036 | 1 |
| 1792 | 0 | 3841 | 0 | 5890 | 1 | 7939 | 1 | 9988 | 1 | 12037 | 0 |
| 1793 | 1 | 3842 | 1 | 5891 | 1 | 7940 | 0 | 9989 | 1 | 12038 | 0 |
| 1794 | 0 | 3843 | 1 | 5892 | 1 | 7941 | 1 | 9990 | 1 | 12039 | 1 |
| 1795 | 1 | 3844 | 1 | 5893 | 1 | 7942 | 1 | 9991 | 0 | 12040 | 0 |

|      |   |      |   |      |   |      |   |       |   |       |   |
|------|---|------|---|------|---|------|---|-------|---|-------|---|
| 1796 | 1 | 3845 | 0 | 5894 | 1 | 7943 | 0 | 9992  | 0 | 12041 | 1 |
| 1797 | 1 | 3846 | 0 | 5895 | 0 | 7944 | 0 | 9993  | 1 | 12042 | 1 |
| 1798 | 1 | 3847 | 0 | 5896 | 1 | 7945 | 1 | 9994  | 0 | 12043 | 1 |
| 1799 | 1 | 3848 | 1 | 5897 | 1 | 7946 | 1 | 9995  | 0 | 12044 | 0 |
| 1800 | 0 | 3849 | 0 | 5898 | 0 | 7947 | 0 | 9996  | 0 | 12045 | 1 |
| 1801 | 1 | 3850 | 1 | 5899 | 0 | 7948 | 0 | 9997  | 0 | 12046 | 1 |
| 1802 | 1 | 3851 | 0 | 5900 | 1 | 7949 | 0 | 9998  | 1 | 12047 | 0 |
| 1803 | 0 | 3852 | 0 | 5901 | 1 | 7950 | 1 | 9999  | 0 | 12048 | 1 |
| 1804 | 0 | 3853 | 1 | 5902 | 1 | 7951 | 1 | 10000 | 1 | 12049 | 1 |
| 1805 | 1 | 3854 | 0 | 5903 | 1 | 7952 | 0 | 10001 | 1 | 12050 | 1 |
| 1806 | 0 | 3855 | 1 | 5904 | 1 | 7953 | 0 | 10002 | 1 | 12051 | 1 |
| 1807 | 1 | 3856 | 1 | 5905 | 0 | 7954 | 0 | 10003 | 0 | 12052 | 1 |
| 1808 | 1 | 3857 | 0 | 5906 | 0 | 7955 | 1 | 10004 | 0 | 12053 | 0 |
| 1809 | 0 | 3858 | 0 | 5907 | 1 | 7956 | 1 | 10005 | 1 | 12054 | 0 |
| 1810 | 1 | 3859 | 0 | 5908 | 1 | 7957 | 1 | 10006 | 1 | 12055 | 1 |
| 1811 | 1 | 3860 | 1 | 5909 | 1 | 7958 | 0 | 10007 | 0 | 12056 | 1 |
| 1812 | 0 | 3861 | 1 | 5910 | 0 | 7959 | 0 | 10008 | 1 | 12057 | 1 |
| 1813 | 1 | 3862 | 0 | 5911 | 1 | 7960 | 1 | 10009 | 0 | 12058 | 0 |
| 1814 | 1 | 3863 | 1 | 5912 | 1 | 7961 | 0 | 10010 | 0 | 12059 | 0 |
| 1815 | 0 | 3864 | 1 | 5913 | 1 | 7962 | 0 | 10011 | 1 | 12060 | 0 |
| 1816 | 0 | 3865 | 0 | 5914 | 0 | 7963 | 0 | 10012 | 1 | 12061 | 0 |
| 1817 | 0 | 3866 | 1 | 5915 | 1 | 7964 | 0 | 10013 | 1 | 12062 | 1 |
| 1818 | 0 | 3867 | 1 | 5916 | 0 | 7965 | 1 | 10014 | 0 | 12063 | 0 |
| 1819 | 0 | 3868 | 1 | 5917 | 0 | 7966 | 0 | 10015 | 0 | 12064 | 1 |
| 1820 | 0 | 3869 | 1 | 5918 | 1 | 7967 | 0 | 10016 | 1 | 12065 | 0 |
| 1821 | 0 | 3870 | 1 | 5919 | 1 | 7968 | 1 | 10017 | 1 | 12066 | 0 |
| 1822 | 0 | 3871 | 1 | 5920 | 0 | 7969 | 1 | 10018 | 1 | 12067 | 1 |
| 1823 | 0 | 3872 | 1 | 5921 | 1 | 7970 | 1 | 10019 | 1 | 12068 | 1 |
| 1824 | 1 | 3873 | 0 | 5922 | 0 | 7971 | 0 | 10020 | 1 | 12069 | 0 |
| 1825 | 1 | 3874 | 0 | 5923 | 1 | 7972 | 1 | 10021 | 0 | 12070 | 0 |
| 1826 | 0 | 3875 | 0 | 5924 | 1 | 7973 | 1 | 10022 | 0 | 12071 | 0 |
| 1827 | 1 | 3876 | 1 | 5925 | 0 | 7974 | 0 | 10023 | 0 | 12072 | 0 |
| 1828 | 0 | 3877 | 1 | 5926 | 0 | 7975 | 0 | 10024 | 0 | 12073 | 0 |
| 1829 | 1 | 3878 | 1 | 5927 | 1 | 7976 | 0 | 10025 | 1 | 12074 | 0 |
| 1830 | 0 | 3879 | 0 | 5928 | 0 | 7977 | 0 | 10026 | 1 | 12075 | 0 |
| 1831 | 1 | 3880 | 1 | 5929 | 0 | 7978 | 0 | 10027 | 0 | 12076 | 1 |
| 1832 | 1 | 3881 | 1 | 5930 | 0 | 7979 | 0 | 10028 | 0 | 12077 | 0 |
| 1833 | 0 | 3882 | 0 | 5931 | 1 | 7980 | 0 | 10029 | 0 | 12078 | 1 |
| 1834 | 1 | 3883 | 1 | 5932 | 0 | 7981 | 1 | 10030 | 1 | 12079 | 1 |
| 1835 | 0 | 3884 | 0 | 5933 | 0 | 7982 | 0 | 10031 | 0 | 12080 | 0 |
| 1836 | 1 | 3885 | 0 | 5934 | 0 | 7983 | 1 | 10032 | 1 | 12081 | 0 |
| 1837 | 1 | 3886 | 1 | 5935 | 1 | 7984 | 0 | 10033 | 1 | 12082 | 1 |
| 1838 | 0 | 3887 | 1 | 5936 | 0 | 7985 | 1 | 10034 | 1 | 12083 | 1 |
| 1839 | 1 | 3888 | 1 | 5937 | 1 | 7986 | 0 | 10035 | 1 | 12084 | 1 |

|      |   |      |   |      |   |      |   |       |   |       |   |
|------|---|------|---|------|---|------|---|-------|---|-------|---|
| 1840 | 0 | 3889 | 1 | 5938 | 0 | 7987 | 1 | 10036 | 1 | 12085 | 1 |
| 1841 | 0 | 3890 | 1 | 5939 | 1 | 7988 | 1 | 10037 | 1 | 12086 | 0 |
| 1842 | 1 | 3891 | 0 | 5940 | 0 | 7989 | 0 | 10038 | 0 | 12087 | 0 |
| 1843 | 1 | 3892 | 1 | 5941 | 0 | 7990 | 0 | 10039 | 0 | 12088 | 1 |
| 1844 | 1 | 3893 | 1 | 5942 | 0 | 7991 | 0 | 10040 | 1 | 12089 | 0 |
| 1845 | 1 | 3894 | 0 | 5943 | 1 | 7992 | 0 | 10041 | 1 | 12090 | 1 |
| 1846 | 1 | 3895 | 1 | 5944 | 1 | 7993 | 1 | 10042 | 1 | 12091 | 1 |
| 1847 | 0 | 3896 | 0 | 5945 | 0 | 7994 | 1 | 10043 | 1 | 12092 | 0 |
| 1848 | 1 | 3897 | 1 | 5946 | 1 | 7995 | 0 | 10044 | 0 | 12093 | 1 |
| 1849 | 1 | 3898 | 0 | 5947 | 1 | 7996 | 0 | 10045 | 0 | 12094 | 1 |
| 1850 | 1 | 3899 | 0 | 5948 | 1 | 7997 | 1 | 10046 | 0 | 12095 | 1 |
| 1851 | 0 | 3900 | 1 | 5949 | 1 | 7998 | 1 | 10047 | 0 | 12096 | 0 |
| 1852 | 1 | 3901 | 0 | 5950 | 0 | 7999 | 1 | 10048 | 0 | 12097 | 1 |
| 1853 | 0 | 3902 | 1 | 5951 | 0 | 8000 | 1 | 10049 | 0 | 12098 | 1 |
| 1854 | 1 | 3903 | 1 | 5952 | 0 | 8001 | 0 | 10050 | 0 | 12099 | 0 |
| 1855 | 1 | 3904 | 0 | 5953 | 0 | 8002 | 0 | 10051 | 1 | 12100 | 1 |
| 1856 | 1 | 3905 | 0 | 5954 | 1 | 8003 | 1 | 10052 | 1 | 12101 | 1 |
| 1857 | 1 | 3906 | 1 | 5955 | 0 | 8004 | 1 | 10053 | 0 | 12102 | 1 |
| 1858 | 1 | 3907 | 1 | 5956 | 1 | 8005 | 1 | 10054 | 1 | 12103 | 1 |
| 1859 | 0 | 3908 | 0 | 5957 | 0 | 8006 | 0 | 10055 | 0 | 12104 | 1 |
| 1860 | 0 | 3909 | 0 | 5958 | 0 | 8007 | 0 | 10056 | 0 | 12105 | 0 |
| 1861 | 0 | 3910 | 0 | 5959 | 0 | 8008 | 0 | 10057 | 1 | 12106 | 0 |
| 1862 | 0 | 3911 | 0 | 5960 | 1 | 8009 | 0 | 10058 | 0 | 12107 | 1 |
| 1863 | 1 | 3912 | 1 | 5961 | 0 | 8010 | 0 | 10059 | 0 | 12108 | 0 |
| 1864 | 0 | 3913 | 0 | 5962 | 0 | 8011 | 1 | 10060 | 0 | 12109 | 0 |
| 1865 | 1 | 3914 | 0 | 5963 | 0 | 8012 | 1 | 10061 | 0 | 12110 | 1 |
| 1866 | 1 | 3915 | 0 | 5964 | 0 | 8013 | 0 | 10062 | 0 | 12111 | 0 |
| 1867 | 0 | 3916 | 1 | 5965 | 0 | 8014 | 1 | 10063 | 0 | 12112 | 1 |
| 1868 | 1 | 3917 | 0 | 5966 | 1 | 8015 | 0 | 10064 | 1 | 12113 | 1 |
| 1869 | 0 | 3918 | 0 | 5967 | 0 | 8016 | 1 | 10065 | 1 | 12114 | 1 |
| 1870 | 0 | 3919 | 0 | 5968 | 0 | 8017 | 0 | 10066 | 1 | 12115 | 1 |
| 1871 | 1 | 3920 | 0 | 5969 | 1 | 8018 | 0 | 10067 | 0 | 12116 | 1 |
| 1872 | 1 | 3921 | 0 | 5970 | 0 | 8019 | 0 | 10068 | 0 | 12117 | 0 |
| 1873 | 1 | 3922 | 1 | 5971 | 1 | 8020 | 1 | 10069 | 1 | 12118 | 0 |
| 1874 | 1 | 3923 | 0 | 5972 | 0 | 8021 | 0 | 10070 | 0 | 12119 | 1 |
| 1875 | 1 | 3924 | 1 | 5973 | 0 | 8022 | 1 | 10071 | 0 | 12120 | 1 |
| 1876 | 1 | 3925 | 0 | 5974 | 0 | 8023 | 0 | 10072 | 1 | 12121 | 0 |
| 1877 | 1 | 3926 | 0 | 5975 | 1 | 8024 | 0 | 10073 | 1 | 12122 | 1 |
| 1878 | 1 | 3927 | 0 | 5976 | 0 | 8025 | 0 | 10074 | 0 | 12123 | 1 |
| 1879 | 0 | 3928 | 1 | 5977 | 0 | 8026 | 1 | 10075 | 0 | 12124 | 0 |
| 1880 | 1 | 3929 | 0 | 5978 | 0 | 8027 | 0 | 10076 | 0 | 12125 | 1 |
| 1881 | 1 | 3930 | 0 | 5979 | 0 | 8028 | 0 | 10077 | 1 | 12126 | 0 |
| 1882 | 1 | 3931 | 1 | 5980 | 0 | 8029 | 1 | 10078 | 0 | 12127 | 1 |
| 1883 | 1 | 3932 | 1 | 5981 | 1 | 8030 | 0 | 10079 | 1 | 12128 | 0 |

|      |   |      |   |      |   |      |   |       |   |       |   |
|------|---|------|---|------|---|------|---|-------|---|-------|---|
| 1884 | 1 | 3933 | 0 | 5982 | 0 | 8031 | 0 | 10080 | 1 | 12129 | 1 |
| 1885 | 0 | 3934 | 1 | 5983 | 1 | 8032 | 0 | 10081 | 0 | 12130 | 1 |
| 1886 | 1 | 3935 | 1 | 5984 | 1 | 8033 | 0 | 10082 | 0 | 12131 | 0 |
| 1887 | 0 | 3936 | 0 | 5985 | 1 | 8034 | 1 | 10083 | 1 | 12132 | 1 |
| 1888 | 1 | 3937 | 0 | 5986 | 0 | 8035 | 1 | 10084 | 1 | 12133 | 1 |
| 1889 | 0 | 3938 | 0 | 5987 | 1 | 8036 | 0 | 10085 | 0 | 12134 | 1 |
| 1890 | 1 | 3939 | 1 | 5988 | 0 | 8037 | 1 | 10086 | 1 | 12135 | 0 |
| 1891 | 1 | 3940 | 0 | 5989 | 1 | 8038 | 0 | 10087 | 0 | 12136 | 0 |
| 1892 | 1 | 3941 | 1 | 5990 | 1 | 8039 | 0 | 10088 | 0 | 12137 | 0 |
| 1893 | 0 | 3942 | 1 | 5991 | 0 | 8040 | 0 | 10089 | 1 | 12138 | 0 |
| 1894 | 1 | 3943 | 1 | 5992 | 1 | 8041 | 1 | 10090 | 0 | 12139 | 1 |
| 1895 | 1 | 3944 | 0 | 5993 | 0 | 8042 | 0 | 10091 | 0 | 12140 | 1 |
| 1896 | 0 | 3945 | 0 | 5994 | 1 | 8043 | 0 | 10092 | 0 | 12141 | 1 |
| 1897 | 0 | 3946 | 0 | 5995 | 0 | 8044 | 1 | 10093 | 0 | 12142 | 0 |
| 1898 | 0 | 3947 | 0 | 5996 | 1 | 8045 | 1 | 10094 | 0 | 12143 | 1 |
| 1899 | 1 | 3948 | 0 | 5997 | 0 | 8046 | 0 | 10095 | 1 | 12144 | 1 |
| 1900 | 1 | 3949 | 0 | 5998 | 0 | 8047 | 0 | 10096 | 1 | 12145 | 0 |
| 1901 | 0 | 3950 | 0 | 5999 | 1 | 8048 | 0 | 10097 | 1 | 12146 | 0 |
| 1902 | 0 | 3951 | 0 | 6000 | 0 | 8049 | 1 | 10098 | 0 | 12147 | 1 |
| 1903 | 1 | 3952 | 0 | 6001 | 1 | 8050 | 1 | 10099 | 0 | 12148 | 0 |
| 1904 | 1 | 3953 | 1 | 6002 | 1 | 8051 | 0 | 10100 | 1 | 12149 | 0 |
| 1905 | 1 | 3954 | 0 | 6003 | 0 | 8052 | 0 | 10101 | 1 | 12150 | 1 |
| 1906 | 1 | 3955 | 0 | 6004 | 1 | 8053 | 1 | 10102 | 1 | 12151 | 1 |
| 1907 | 1 | 3956 | 1 | 6005 | 0 | 8054 | 1 | 10103 | 0 | 12152 | 1 |
| 1908 | 1 | 3957 | 1 | 6006 | 0 | 8055 | 0 | 10104 | 0 | 12153 | 1 |
| 1909 | 0 | 3958 | 0 | 6007 | 0 | 8056 | 1 | 10105 | 1 | 12154 | 1 |
| 1910 | 1 | 3959 | 1 | 6008 | 0 | 8057 | 0 | 10106 | 1 | 12155 | 1 |
| 1911 | 1 | 3960 | 0 | 6009 | 0 | 8058 | 1 | 10107 | 1 | 12156 | 0 |
| 1912 | 0 | 3961 | 1 | 6010 | 1 | 8059 | 0 | 10108 | 1 | 12157 | 0 |
| 1913 | 1 | 3962 | 1 | 6011 | 0 | 8060 | 0 | 10109 | 1 | 12158 | 0 |
| 1914 | 0 | 3963 | 0 | 6012 | 0 | 8061 | 0 | 10110 | 1 | 12159 | 0 |
| 1915 | 0 | 3964 | 0 | 6013 | 0 | 8062 | 1 | 10111 | 1 | 12160 | 0 |
| 1916 | 0 | 3965 | 1 | 6014 | 0 | 8063 | 0 | 10112 | 1 | 12161 | 0 |
| 1917 | 0 | 3966 | 0 | 6015 | 0 | 8064 | 0 | 10113 | 0 | 12162 | 0 |
| 1918 | 0 | 3967 | 1 | 6016 | 1 | 8065 | 1 | 10114 | 1 | 12163 | 0 |
| 1919 | 1 | 3968 | 0 | 6017 | 1 | 8066 | 1 | 10115 | 1 | 12164 | 0 |
| 1920 | 1 | 3969 | 1 | 6018 | 0 | 8067 | 0 | 10116 | 1 | 12165 | 1 |
| 1921 | 0 | 3970 | 1 | 6019 | 1 | 8068 | 1 | 10117 | 1 | 12166 | 0 |
| 1922 | 1 | 3971 | 0 | 6020 | 0 | 8069 | 1 | 10118 | 0 | 12167 | 1 |
| 1923 | 1 | 3972 | 0 | 6021 | 1 | 8070 | 1 | 10119 | 0 | 12168 | 0 |
| 1924 | 1 | 3973 | 0 | 6022 | 0 | 8071 | 0 | 10120 | 0 | 12169 | 0 |
| 1925 | 1 | 3974 | 1 | 6023 | 0 | 8072 | 0 | 10121 | 1 | 12170 | 1 |
| 1926 | 0 | 3975 | 1 | 6024 | 1 | 8073 | 0 | 10122 | 1 | 12171 | 1 |
| 1927 | 1 | 3976 | 0 | 6025 | 1 | 8074 | 0 | 10123 | 1 | 12172 | 0 |

|      |   |      |   |      |   |      |   |       |   |       |   |
|------|---|------|---|------|---|------|---|-------|---|-------|---|
| 1928 | 0 | 3977 | 1 | 6026 | 0 | 8075 | 1 | 10124 | 1 | 12173 | 0 |
| 1929 | 0 | 3978 | 1 | 6027 | 0 | 8076 | 1 | 10125 | 1 | 12174 | 1 |
| 1930 | 1 | 3979 | 0 | 6028 | 0 | 8077 | 1 | 10126 | 0 | 12175 | 0 |
| 1931 | 0 | 3980 | 1 | 6029 | 1 | 8078 | 1 | 10127 | 0 | 12176 | 0 |
| 1932 | 1 | 3981 | 1 | 6030 | 0 | 8079 | 0 | 10128 | 0 | 12177 | 1 |
| 1933 | 1 | 3982 | 0 | 6031 | 0 | 8080 | 1 | 10129 | 0 | 12178 | 1 |
| 1934 | 1 | 3983 | 1 | 6032 | 0 | 8081 | 0 | 10130 | 1 | 12179 | 0 |
| 1935 | 0 | 3984 | 1 | 6033 | 1 | 8082 | 1 | 10131 | 1 | 12180 | 1 |
| 1936 | 0 | 3985 | 0 | 6034 | 0 | 8083 | 1 | 10132 | 1 | 12181 | 0 |
| 1937 | 0 | 3986 | 0 | 6035 | 0 | 8084 | 0 | 10133 | 1 | 12182 | 0 |
| 1938 | 1 | 3987 | 1 | 6036 | 0 | 8085 | 0 | 10134 | 1 | 12183 | 1 |
| 1939 | 1 | 3988 | 0 | 6037 | 0 | 8086 | 1 | 10135 | 1 | 12184 | 0 |
| 1940 | 1 | 3989 | 1 | 6038 | 0 | 8087 | 1 | 10136 | 0 | 12185 | 1 |
| 1941 | 1 | 3990 | 1 | 6039 | 1 | 8088 | 1 | 10137 | 0 | 12186 | 0 |
| 1942 | 0 | 3991 | 1 | 6040 | 0 | 8089 | 0 | 10138 | 0 | 12187 | 0 |
| 1943 | 0 | 3992 | 0 | 6041 | 0 | 8090 | 1 | 10139 | 1 | 12188 | 0 |
| 1944 | 0 | 3993 | 1 | 6042 | 1 | 8091 | 1 | 10140 | 1 | 12189 | 1 |
| 1945 | 1 | 3994 | 1 | 6043 | 0 | 8092 | 0 | 10141 | 1 | 12190 | 1 |
| 1946 | 0 | 3995 | 0 | 6044 | 0 | 8093 | 0 | 10142 | 1 | 12191 | 1 |
| 1947 | 1 | 3996 | 0 | 6045 | 1 | 8094 | 1 | 10143 | 0 | 12192 | 0 |
| 1948 | 0 | 3997 | 1 | 6046 | 0 | 8095 | 1 | 10144 | 1 | 12193 | 1 |
| 1949 | 0 | 3998 | 0 | 6047 | 0 | 8096 | 0 | 10145 | 0 | 12194 | 0 |
| 1950 | 1 | 3999 | 1 | 6048 | 1 | 8097 | 0 | 10146 | 0 | 12195 | 0 |
| 1951 | 1 | 4000 | 0 | 6049 | 1 | 8098 | 1 | 10147 | 1 | 12196 | 0 |
| 1952 | 1 | 4001 | 1 | 6050 | 1 | 8099 | 0 | 10148 | 1 | 12197 | 1 |
| 1953 | 0 | 4002 | 1 | 6051 | 1 | 8100 | 1 | 10149 | 0 | 12198 | 0 |
| 1954 | 1 | 4003 | 1 | 6052 | 1 | 8101 | 1 | 10150 | 1 | 12199 | 0 |
| 1955 | 0 | 4004 | 1 | 6053 | 0 | 8102 | 1 | 10151 | 1 | 12200 | 0 |
| 1956 | 1 | 4005 | 1 | 6054 | 1 | 8103 | 0 | 10152 | 1 | 12201 | 0 |
| 1957 | 0 | 4006 | 0 | 6055 | 1 | 8104 | 1 | 10153 | 1 | 12202 | 0 |
| 1958 | 0 | 4007 | 1 | 6056 | 0 | 8105 | 1 | 10154 | 0 | 12203 | 0 |
| 1959 | 1 | 4008 | 1 | 6057 | 0 | 8106 | 1 | 10155 | 1 | 12204 | 0 |
| 1960 | 0 | 4009 | 0 | 6058 | 1 | 8107 | 1 | 10156 | 0 | 12205 | 0 |
| 1961 | 0 | 4010 | 0 | 6059 | 1 | 8108 | 0 | 10157 | 1 | 12206 | 0 |
| 1962 | 0 | 4011 | 0 | 6060 | 1 | 8109 | 0 | 10158 | 0 | 12207 | 0 |
| 1963 | 1 | 4012 | 1 | 6061 | 0 | 8110 | 1 | 10159 | 1 | 12208 | 1 |
| 1964 | 0 | 4013 | 1 | 6062 | 1 | 8111 | 0 | 10160 | 1 | 12209 | 0 |
| 1965 | 0 | 4014 | 0 | 6063 | 1 | 8112 | 1 | 10161 | 0 | 12210 | 0 |
| 1966 | 0 | 4015 | 1 | 6064 | 1 | 8113 | 0 | 10162 | 1 | 12211 | 0 |
| 1967 | 0 | 4016 | 0 | 6065 | 1 | 8114 | 1 | 10163 | 1 | 12212 | 0 |
| 1968 | 0 | 4017 | 1 | 6066 | 0 | 8115 | 1 | 10164 | 0 | 12213 | 0 |
| 1969 | 0 | 4018 | 1 | 6067 | 1 | 8116 | 0 | 10165 | 1 | 12214 | 0 |
| 1970 | 1 | 4019 | 1 | 6068 | 1 | 8117 | 1 | 10166 | 1 | 12215 | 1 |
| 1971 | 0 | 4020 | 0 | 6069 | 0 | 8118 | 1 | 10167 | 0 | 12216 | 0 |

|      |   |      |   |      |   |      |   |       |   |       |   |
|------|---|------|---|------|---|------|---|-------|---|-------|---|
| 1972 | 1 | 4021 | 1 | 6070 | 0 | 8119 | 0 | 10168 | 1 | 12217 | 0 |
| 1973 | 0 | 4022 | 0 | 6071 | 0 | 8120 | 1 | 10169 | 0 | 12218 | 0 |
| 1974 | 1 | 4023 | 1 | 6072 | 0 | 8121 | 1 | 10170 | 0 | 12219 | 1 |
| 1975 | 0 | 4024 | 0 | 6073 | 0 | 8122 | 1 | 10171 | 1 | 12220 | 0 |
| 1976 | 0 | 4025 | 0 | 6074 | 0 | 8123 | 0 | 10172 | 1 | 12221 | 0 |
| 1977 | 0 | 4026 | 0 | 6075 | 0 | 8124 | 0 | 10173 | 0 | 12222 | 1 |
| 1978 | 0 | 4027 | 0 | 6076 | 0 | 8125 | 0 | 10174 | 0 | 12223 | 0 |
| 1979 | 0 | 4028 | 1 | 6077 | 0 | 8126 | 1 | 10175 | 1 | 12224 | 1 |
| 1980 | 1 | 4029 | 1 | 6078 | 0 | 8127 | 1 | 10176 | 1 | 12225 | 1 |
| 1981 | 0 | 4030 | 0 | 6079 | 1 | 8128 | 0 | 10177 | 0 | 12226 | 1 |
| 1982 | 0 | 4031 | 0 | 6080 | 1 | 8129 | 0 | 10178 | 0 | 12227 | 1 |
| 1983 | 1 | 4032 | 1 | 6081 | 1 | 8130 | 1 | 10179 | 1 | 12228 | 0 |
| 1984 | 1 | 4033 | 0 | 6082 | 0 | 8131 | 0 | 10180 | 1 | 12229 | 0 |
| 1985 | 0 | 4034 | 1 | 6083 | 1 | 8132 | 1 | 10181 | 1 | 12230 | 1 |
| 1986 | 0 | 4035 | 1 | 6084 | 1 | 8133 | 0 | 10182 | 0 | 12231 | 0 |
| 1987 | 0 | 4036 | 1 | 6085 | 1 | 8134 | 0 | 10183 | 1 | 12232 | 0 |
| 1988 | 0 | 4037 | 1 | 6086 | 0 | 8135 | 0 | 10184 | 1 | 12233 | 0 |
| 1989 | 1 | 4038 | 0 | 6087 | 1 | 8136 | 0 | 10185 | 1 | 12234 | 1 |
| 1990 | 0 | 4039 | 1 | 6088 | 0 | 8137 | 0 | 10186 | 0 | 12235 | 1 |
| 1991 | 1 | 4040 | 0 | 6089 | 1 | 8138 | 1 | 10187 | 1 | 12236 | 0 |
| 1992 | 1 | 4041 | 1 | 6090 | 0 | 8139 | 1 | 10188 | 0 | 12237 | 1 |
| 1993 | 1 | 4042 | 1 | 6091 | 0 | 8140 | 0 | 10189 | 0 | 12238 | 0 |
| 1994 | 0 | 4043 | 1 | 6092 | 1 | 8141 | 0 | 10190 | 0 | 12239 | 0 |
| 1995 | 1 | 4044 | 1 | 6093 | 0 | 8142 | 0 | 10191 | 1 | 12240 | 1 |
| 1996 | 0 | 4045 | 1 | 6094 | 0 | 8143 | 1 | 10192 | 1 | 12241 | 0 |
| 1997 | 1 | 4046 | 1 | 6095 | 1 | 8144 | 1 | 10193 | 0 | 12242 | 0 |
| 1998 | 0 | 4047 | 0 | 6096 | 0 | 8145 | 1 | 10194 | 1 | 12243 | 0 |
| 1999 | 0 | 4048 | 1 | 6097 | 0 | 8146 | 1 | 10195 | 1 | 12244 | 1 |
| 2000 | 0 | 4049 | 0 | 6098 | 0 | 8147 | 1 | 10196 | 0 | 12245 | 1 |
| 2001 | 0 | 4050 | 1 | 6099 | 1 | 8148 | 1 | 10197 | 0 | 12246 | 1 |
| 2002 | 1 | 4051 | 0 | 6100 | 1 | 8149 | 0 | 10198 | 0 | 12247 | 0 |
| 2003 | 0 | 4052 | 1 | 6101 | 1 | 8150 | 1 | 10199 | 0 | 12248 | 1 |
| 2004 | 0 | 4053 | 1 | 6102 | 1 | 8151 | 1 | 10200 | 1 | 12249 | 1 |
| 2005 | 1 | 4054 | 0 | 6103 | 0 | 8152 | 0 | 10201 | 0 | 12250 | 1 |
| 2006 | 0 | 4055 | 0 | 6104 | 0 | 8153 | 1 | 10202 | 1 | 12251 | 1 |
| 2007 | 0 | 4056 | 0 | 6105 | 0 | 8154 | 1 | 10203 | 0 | 12252 | 0 |
| 2008 | 1 | 4057 | 1 | 6106 | 0 | 8155 | 1 | 10204 | 1 | 12253 | 1 |
| 2009 | 1 | 4058 | 0 | 6107 | 0 | 8156 | 0 | 10205 | 0 | 12254 | 1 |
| 2010 | 0 | 4059 | 1 | 6108 | 0 | 8157 | 0 | 10206 | 0 | 12255 | 1 |
| 2011 | 1 | 4060 | 1 | 6109 | 1 | 8158 | 1 | 10207 | 0 | 12256 | 0 |
| 2012 | 0 | 4061 | 0 | 6110 | 1 | 8159 | 1 | 10208 | 1 | 12257 | 1 |
| 2013 | 1 | 4062 | 0 | 6111 | 0 | 8160 | 1 | 10209 | 1 | 12258 | 0 |
| 2014 | 0 | 4063 | 0 | 6112 | 0 | 8161 | 1 | 10210 | 1 | 12259 | 1 |
| 2015 | 1 | 4064 | 0 | 6113 | 0 | 8162 | 0 | 10211 | 1 | 12260 | 1 |

|      |   |      |   |      |   |      |   |       |   |       |   |
|------|---|------|---|------|---|------|---|-------|---|-------|---|
| 2016 | 1 | 4065 | 0 | 6114 | 1 | 8163 | 0 | 10212 | 0 | 12261 | 0 |
| 2017 | 0 | 4066 | 1 | 6115 | 1 | 8164 | 1 | 10213 | 0 | 12262 | 0 |
| 2018 | 0 | 4067 | 0 | 6116 | 0 | 8165 | 0 | 10214 | 0 | 12263 | 0 |
| 2019 | 1 | 4068 | 1 | 6117 | 1 | 8166 | 0 | 10215 | 1 | 12264 | 1 |
| 2020 | 1 | 4069 | 1 | 6118 | 1 | 8167 | 0 | 10216 | 1 | 12265 | 1 |
| 2021 | 1 | 4070 | 0 | 6119 | 1 | 8168 | 1 | 10217 | 0 | 12266 | 1 |
| 2022 | 0 | 4071 | 0 | 6120 | 0 | 8169 | 1 | 10218 | 0 | 12267 | 1 |
| 2023 | 0 | 4072 | 1 | 6121 | 0 | 8170 | 0 | 10219 | 0 | 12268 | 0 |
| 2024 | 0 | 4073 | 1 | 6122 | 1 | 8171 | 0 | 10220 | 1 | 12269 | 0 |
| 2025 | 0 | 4074 | 1 | 6123 | 1 | 8172 | 0 | 10221 | 0 | 12270 | 1 |
| 2026 | 0 | 4075 | 1 | 6124 | 1 | 8173 | 1 | 10222 | 1 | 12271 | 1 |
| 2027 | 1 | 4076 | 1 | 6125 | 0 | 8174 | 1 | 10223 | 1 | 12272 | 0 |
| 2028 | 1 | 4077 | 0 | 6126 | 0 | 8175 | 1 | 10224 | 1 | 12273 | 0 |
| 2029 | 1 | 4078 | 0 | 6127 | 1 | 8176 | 0 | 10225 | 1 | 12274 | 0 |
| 2030 | 1 | 4079 | 0 | 6128 | 0 | 8177 | 1 | 10226 | 0 | 12275 | 1 |
| 2031 | 1 | 4080 | 1 | 6129 | 1 | 8178 | 1 | 10227 | 0 | 12276 | 0 |
| 2032 | 1 | 4081 | 1 | 6130 | 1 | 8179 | 0 | 10228 | 0 | 12277 | 0 |
| 2033 | 0 | 4082 | 1 | 6131 | 1 | 8180 | 0 | 10229 | 0 | 12278 | 1 |
| 2034 | 0 | 4083 | 1 | 6132 | 0 | 8181 | 0 | 10230 | 0 | 12279 | 1 |
| 2035 | 1 | 4084 | 1 | 6133 | 1 | 8182 | 1 | 10231 | 1 | 12280 | 1 |
| 2036 | 1 | 4085 | 0 | 6134 | 1 | 8183 | 0 | 10232 | 0 | 12281 | 0 |
| 2037 | 1 | 4086 | 1 | 6135 | 1 | 8184 | 0 | 10233 | 1 | 12282 | 1 |
| 2038 | 0 | 4087 | 1 | 6136 | 1 | 8185 | 0 | 10234 | 0 | 12283 | 0 |
| 2039 | 1 | 4088 | 0 | 6137 | 1 | 8186 | 1 | 10235 | 1 | 12284 | 1 |
| 2040 | 1 | 4089 | 0 | 6138 | 0 | 8187 | 1 | 10236 | 0 | 12285 | 1 |
| 2041 | 1 | 4090 | 1 | 6139 | 0 | 8188 | 1 | 10237 | 1 | 12286 | 1 |
| 2042 | 0 | 4091 | 1 | 6140 | 1 | 8189 | 0 | 10238 | 1 | 12287 | 0 |
| 2043 | 0 | 4092 | 0 | 6141 | 1 | 8190 | 1 | 10239 | 1 | 12288 | 0 |
| 2044 | 0 | 4093 | 1 | 6142 | 1 | 8191 | 1 | 10240 | 1 |       |   |
| 2045 | 1 | 4094 | 0 | 6143 | 0 | 8192 | 1 | 10241 | 1 |       |   |
| 2046 | 1 | 4095 | 1 | 6144 | 1 | 8193 | 0 | 10242 | 1 |       |   |
| 2047 | 1 | 4096 | 1 | 6145 | 1 | 8194 | 0 | 10243 | 0 |       |   |
| 2048 | 1 | 4097 | 1 | 6146 | 1 | 8195 | 1 | 10244 | 1 |       |   |

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