Disjoint q-Steiner systems in dimension 13

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We report the computer construction of 1316 mutually disjoint 2-$(13, 3, 1)_2$ subspace designs. By combining disjoint designs and using supplementary subspace designs we conclude that subspace designs exist for $1 \le \lambda \le 2047$.

1 Introduction

Let V be a vector space of dimension v over a finite field GF(q). For simplicity, a subspace of V of dimension k will be called a *k-subspace*. A *(simple) t-$(v, k, \lambda)_q$ subspace design* $\mathcal{D} = (V, \mathcal{B})$ consists of a set $\mathcal{B}$ of k-subspaces of V, called blocks, such that each t-subspace of V lies in exactly λ blocks. This notion is a vector space analog of combinatorial t-designs on finite sets. For that reason, subspace designs are also called *q-analogs of designs*. In the special case of $\lambda = 1$, t-$(v, k, 1)_q$ subspace designs are called q-Steiner systems $S(t, k, v)_q$.

While combinatorial t-designs and Steiner systems have been studied since the 1830s and have a rich literature [9], the notion of subspace designs has been introduced by Ray-Chaudhuri [1], Cameron [6, 7] and Delsarte [10] in the 1970s.

In 1987, Thomas [19] constructed the first non-trivial subspace design for $t = 2$. Since then, more subspace designs have been constructed, see [3, 4, 5, 11, 12, 16, 17, 18]. In [2] the first q-Steiner systems for $t = 2$ were constructed. Before, it was conjectured [15] that q-Steiner systems only exist for $t = 1$. In finite geometry, $S(1, k, v)_q$ q-Steiner system are called $(k-1)$-spreads and known to exist if and only if $k - 1$ divides $v - 1$. As for combinatorial designs, the necessary conditions for an $S(2, 3, v)_q$ to exist are

$$v \equiv 1, 3 \pmod 6 .$$

The q-Steiner systems in [2] have parameters $S(2, 3, 13)_2$. For $v = 13$, a partition of the set of 3-subspaces of GF$(2)^{13}$ into $S(2, 3, 13)_2$ q-Steiner systems would consist of 2047 such subspace designs. Here, we present a set of 1316 mutually disjoint $S(2, 3, 13)_2$ designs, i.e. no 3-subspace appears in more than one of the designs.

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2 Preliminaries

The set of all k-subspaces of V is called the *Graßmannian* and is denoted by $\begin{bmatrix} V \\ k \end{bmatrix}_q$. The number of all k-subspaces of V is given by the Gaussian binomial coefficient

$$\#\begin{bmatrix} V \\ k \end{bmatrix}_q = \begin{bmatrix} v \\ k \end{bmatrix}_q = \begin{cases} \frac{(q^v-1)\cdots(q^{v-k+1}-1)}{(q^k-1)\cdots(q-1)} & \text{if } 0 \le k \le v; \\ 0 & \text{else.} \end{cases}$$

The Graßmannian $\begin{bmatrix} V \\ k \end{bmatrix}_q$ is trivially a subspace design for all $t \le k$ with parameters t-$(v, k, \begin{bmatrix} v-t \\ k-t \end{bmatrix}_q)_q$. It is also obvious that for any t-$(v, k, \lambda)_q$ subspace design $\mathcal{D} = (V, \mathcal{B})$, the supplementary design $(V, \begin{bmatrix} V \\ k \end{bmatrix} \setminus \mathcal{B})$ is again a (simple) subspace design with parameters t-$(v, k, \begin{bmatrix} v-t \\ k-t \end{bmatrix}_q - \lambda)_q$.

3 The construction of disjoint $S(2, 3, 13)_2$

A promising method to find t-$(v, k, \lambda)_q$ designs is the well-known Kramer-Mesner method [14]. A t-$(v, k, \lambda)_q$ subspace design with a prescribed group $G \le \mathrm{GL}(v, q)$ of automorphisms is equivalent to a 0/1-solution x of the Diophantine system of equations $A^G x = (\lambda, \ldots, \lambda)^\top$ where A^G is the G-incidence matrix between the G-orbits on t-subspaces and G-orbits on k-subspaces. The entry $a(T, K)$ of A^G whose row corresponds to the G-orbit with representative T and whose column corresponds to the G-orbit with representative K counts the number of k-subspaces in the orbit of K containing the subspace T.

The normalizer of the Singer cycle group $G = \langle \phi, \sigma \rangle \le GL(13, 2)$ is generated by the following two matrices:

$$\phi = \begin{pmatrix}
1&0&0&0&0&0&0&0&0&0&0&1&0 \\
0&0&0&0&0&0&0&1&0&0&0&1&1 \\
0&1&0&0&0&0&0&1&0&0&0&0&0 \\
0&0&0&0&0&0&0&0&1&0&0&1&1 \\
0&0&1&0&0&0&0&1&1&0&0&1&1 \\
0&0&0&0&0&0&0&1&0&1&0&0&0 \\
0&0&0&1&0&0&0&0&1&1&0&0&1 \\
0&0&0&0&0&0&0&0&1&0&1&0&0 \\
0&0&0&0&1&0&0&0&0&1&1&0&0 \\
0&0&0&0&0&0&0&0&0&1&0&1&0 \\
0&0&0&0&0&1&0&0&0&0&1&1&0 \\
0&0&0&0&0&0&0&0&0&0&1&0&1 \\
0&0&0&0&0&0&1&0&0&0&0&1&1
\end{pmatrix} \qquad \sigma = \begin{pmatrix}
0&0&0&0&0&0&0&0&0&0&0&0&1 \\
1&0&0&0&0&0&0&0&0&0&0&0&1 \\
0&1&0&0&0&0&0&0&0&0&0&0&0 \\
0&0&1&0&0&0&0&0&0&0&0&0&1 \\
0&0&0&1&0&0&0&0&0&0&0&0&1 \\
0&0&0&0&1&0&0&0&0&0&0&0&0 \\
0&0&0&0&0&1&0&0&0&0&0&0&0 \\
0&0&0&0&0&0&1&0&0&0&0&0&0 \\
0&0&0&0&0&0&0&1&0&0&0&0&0 \\
0&0&0&0&0&0&0&0&1&0&0&0&0 \\
0&0&0&0&0&0&0&0&0&1&0&0&0 \\
0&0&0&0&0&0&0&0&0&0&1&0&0 \\
0&0&0&0&0&0&0&0&0&0&0&1&0
\end{pmatrix}$$

The order of G is $(2^{13} - 1) \cdot 13 = 106483$. The incidence matrix A^G between 2- and 3-subspaces has 105 rows and 30705 columns. In [2] the corresponding Diophantine linear system $A^G x = (1, \ldots, 1)^\top$ could be solved using the dancing links algorithm by Knuth [13]. Any solution yields a q-Steiner systems $S(2, 3, 13)_2$ consisting of 15 block orbits giving rise to 1 597 245 blocks. Since G is a maximal subgroup of $\mathrm{GL}(13, 2)$ all q-Steiner systems constructed in this way are mutually non-isomorphic.

With a slight modification of the Kramer-Mesner approach we can construct disjoint subspace designs having no blocks in common [8]. We just have to add a further row to the Diophantine system of equations $A^G x = (\lambda, \ldots, \lambda)^\top$ in the following way:

$$\begin{pmatrix} A^G \\ \hline \cdots y \cdots \end{pmatrix} \cdot x = \begin{pmatrix} \lambda \\ \vdots \\ \lambda \\ \hline 0 \end{pmatrix}$$

The vector y is indexed by the G-orbits on $\begin{bmatrix} V \\ k \end{bmatrix}_q$ corresponding to the columns of A^G. The entry indexed by the G-orbit containing K is set to one if the orbit of K has already been covered by a selected t-$(v, k, \lambda)_q$ design. Otherwise it is zero. In every iteration step the vector y has to be updated.

With this approach 1316 disjoint $S(2, 3, 13_2)$ q-Steiner systems could be constructed.

Since the union of blocks of λ mutually disjoint such designs is a simple 2-$(13, 3, \lambda)_2$ design and using supplementary designs, we can conclude that simple 2-$(13, 3, \lambda)_2$ subspace designs exist for all possible values $1 \leq \lambda \leq 2047 = \begin{bmatrix} 13-2 \\ 3-1 \end{bmatrix}_2$.

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Appendix

In order to represent a G-invariant design it is sufficient to list G by its generators and a set of representatives of the selected orbits of G on $\begin{bmatrix} V \\ k \end{bmatrix}$. For a compact representation we will write all $n \times m$ matrices X over GF(q) with entries $x_{i,j}$, whose indices are numbered from 0, as vectors of integers

$$[\sum_{j=0}^{m-1} x_{0,j} q^j, \ldots, \sum_{j=0}^{m-1} x_{n-1,j} q^j] \,.$$

In the following we list the orbit representatives of all disjoint $S(2,3,13)_2$ q-Steiner systems. Since G is acting transitively on the 1-subspaces of $\mathrm{GF}(2)^{13}$ we can choose orbit representatives of the blocks such that they all contain the vector

$$(0,0,0,0,0,0,0,0,0,0,0,0,1).$$

That means, in the following listing, one has to add the entry 4096 to every pair. For instance the first pair $[416, 2048]$ is an abbreviation for the subspace generated by

$$\begin{pmatrix} 0\,0\,0\,0\,0\,1\,0\,1\,1\,0\,0\,0\,0 \\ 0\,0\,0\,0\,0\,0\,0\,0\,0\,0\,0\,1\,0 \\ 0\,0\,0\,0\,0\,0\,0\,0\,0\,0\,0\,0\,1 \end{pmatrix}$$

1. $[416, 2048]$, $[32, 3072]$, $[1344, 512]$, $[3440, 1536]$, $[8, 3328]$, $[3284, 3840]$, $[3428, 128]$, $[617, 2176]$, $[1038, 3200]$, $[1113, 2688]$, $[1338, 576]$, $[3389, 2368]$, $[317, 2880]$, $[1448, 192]$, $[774, 3232]$
2. $[1120, 2048]$, $[2920, 3072]$, $[144, 512]$, $[408, 2560]$, $[212, 1536]$, $[1673, 2304]$, $[551, 3328]$, $[131, 768]$, $[713, 2816]$, $[1294, 3200]$, $[2588, 1664]$, $[1127, 3712]$, $[3455, 3968]$, $[3346, 3136]$, $[1199, 1600]$
3. $[1104, 2048]$, $[2176, 3072]$, $[2336, 512]$, $[3080, 2560]$, $[2180, 2304]$, $[3239, 3328]$, $[3770, 1792]$, $[117, 128]$, $[2161, 3200]$, $[2817, 1920]$, $[2411, 3968]$, $[2104, 576]$, $[2720, 1600]$, $[3381, 1984]$, $[2710, 3104]$

4. $[720, 2048]$, $[2592, 3072]$, $[424, 2560]$, $[264, 1536]$, $[470, 3584]$, $[1026, 3328]$, $[35, 1792]$, $[2668, 3840]$, $[1887, 128]$, $[3594, 2176]$, $[2347, 3200]$, $[2874, 2688]$, $[2344, 1664]$, $[1367, 3712]$, $[4003, 3648]$
5. $[464, 2048]$, $[320, 3072]$, $[3264, 512]$, $[1260, 3584]$, $[1038, 2304]$, $[1099, 3328]$, $[2158, 1792]$, $[2917, 2176]$, $[3633, 3200]$, $[871, 1920]$, $[815, 2112]$, $[3884, 3136]$, $[1200, 1600]$, $[3202, 3648]$, $[2014, 2080]$
6. $[1488, 2048]$, $[2432, 3072]$, $[2320, 1536]$, $[2080, 3584]$, $[13, 2304]$, $[1052, 3328]$, $[1234, 768]$, $[1657, 3840]$, $[3183, 128]$, $[833, 2176]$, $[1036, 3200]$, $[1850, 2944]$, $[799, 576]$, $[1964, 1600]$, $[1829, 1984]$
7. $[624, 2048]$, $[2368, 3072]$, $[2448, 512]$, $[3428, 2560]$, $[454, 1536]$, $[2599, 2304]$, $[3205, 3328]$, $[1688, 768]$, $[2146, 2816]$, $[1556, 3840]$, $[3869, 2688]$, $[3435, 1664]$, $[2387, 1408]$, $[1310, 3648]$, $[1931, 2880]$
8. $[368, 2048]$, $[2688, 3072]$, $[96, 512]$, $[3392, 2560]$, $[1083, 1536]$, $[516, 2304]$, $[2162, 3328]$, $[239, 2816]$, $[3795, 3840]$, $[3342, 1408]$, $[792, 3648]$, $[3485, 832]$, $[2835, 3264]$, $[3772, 1472]$, $[2998, 3520]$
9. $[1864, 2048]$, $[704, 3072]$, $[2496, 512]$, $[184, 1536]$, $[3219, 3584]$, $[2237, 2304]$, $[73, 3328]$, $[1578, 768]$, $[2581, 2816]$, $[2577, 3200]$, $[2678, 2688]$, $[1882, 3712]$, $[2891, 1408]$, $[3129, 1984]$, $[1734, 3232]$
10. $[456, 2048]$, $[640, 3072]$, $[3312, 512]$, $[3468, 3584]$, $[2087, 3328]$, $[1753, 2816]$, $[110, 1792]$, $[117, 2176]$, $[76, 2688]$, $[3122, 2944]$, $[2106, 1920]$, $[3329, 576]$, $[440, 1600]$, $[1800, 3648]$, $[3164, 416]$
11. $[104, 2048]$, $[2768, 3072]$, $[2120, 512]$, $[1344, 2560]$, $[483, 1536]$, $[3665, 2304]$, $[575, 3328]$, $[1647, 768]$, $[1611, 2816]$, $[44, 1792]$, $[566, 3136]$, $[2577, 3648]$, $[3206, 3392]$, $[3721, 832]$, $[902, 192]$
12. $[744, 2048]$, $[1408, 512]$, $[328, 2560]$, $[1504, 1536]$, $[3350, 3584]$, $[206, 2304]$, $[2690, 768]$, $[78, 2816]$, $[1133, 1792]$, $[2219, 3840]$, $[3932, 2688]$, $[3944, 1664]$, $[1883, 2944]$, $[1193, 576]$, $[2612, 192]$
13. $[1304, 2048]$, $[576, 3072]$, $[2368, 512]$, $[3424, 1536]$, $[1639, 2304]$, $[1163, 3328]$, $[3073, 2816]$, $[516, 3840]$, $[1142, 128]$, $[617, 3968]$, $[3094, 3136]$, $[2108, 3904]$, $[2195, 192]$, $[1189, 3264]$, $[1448, 448]$
14. $[1944, 2048]$, $[2896, 3072]$, $[128, 2560]$, $[1236, 1536]$, $[3243, 3584]$, $[37, 768]$, $[3156, 2816]$, $[2149, 3840]$, $[1100, 2176]$, $[311, 1664]$, $[1812, 3712]$, $[885, 2944]$, $[1793, 1920]$, $[1196, 2112]$, $[150, 576]$
15. $[2008, 2048]$, $[48, 3072]$, $[1312, 2560]$, $[3540, 1536]$, $[2388, 3584]$, $[1565, 2304]$, $[1053, 768]$, $[1745, 1792]$, $[1599, 2688]$, $[1882, 1664]$, $[2866, 1408]$, $[3923, 3968]$, $[1078, 576]$, $[913, 832]$, $[552, 1472]$
16. $[1336, 2048]$, $[896, 3072]$, $[496, 2560]$, $[3392, 1536]$, $[1153, 3584]$, $[752, 3328]$, $[3272, 2816]$, $[1551, 1792]$, $[358, 2176]$, $[3343, 3200]$, $[2856, 1664]$, $[3706, 3712]$, $[816, 2944]$, $[2595, 2112]$, $[1552, 192]$
17. $[1848, 2048]$, $[2784, 3072]$, $[360, 512]$, $[202, 3328]$, $[1572, 2816]$, $[1139, 1792]$, $[1624, 3840]$, $[3884, 128]$, $[2334, 3200]$, $[1376, 3712]$, $[1369, 1408]$, $[1557, 1856]$, $[2488, 3264]$, $[1823, 1824]$, $[3291, 3488]$
18. $[184, 2048]$, $[2320, 3072]$, $[464, 512]$, $[2070, 2560]$, $[2523, 1536]$, $[3193, 3584]$, $[569, 2304]$, $[3723, 3840]$, $[2341, 128]$, $[1882, 2176]$, $[803, 2688]$, $[338, 3968]$, $[433, 2112]$, $[701, 2368]$, $[3551, 3488]$
19. $[1144, 2048]$, $[304, 3072]$, $[2544, 512]$, $[474, 2560]$, $[3172, 1536]$, $[132, 3584]$, $[3112, 2304]$, $[3195, 3328]$, $[601, 1792]$, $[1683, 3840]$, $[3115, 2176]$, $[1297, 3712]$, $[1801, 1408]$, $[3585, 1600]$, $[1415, 4032]$
20. $[1784, 2048]$, $[2384, 3072]$, $[1416, 2560]$, $[208, 1536]$, $[446, 3584]$, $[2808, 2304]$, $[2594, 3328]$, $[99, 768]$, $[378, 2176]$, $[2072, 3200]$, $[3662, 2688]$, $[2356, 1408]$, $[1370, 3968]$, $[1050, 448]$, $[4031, 1472]$
21. $[1028, 2048]$, $[2288, 3072]$, $[3424, 512]$, $[2318, 2560]$, $[105, 1536]$, $[2555, 3584]$, $[1603, 2304]$, $[3819, 3328]$, $[1646, 2816]$, $[1112, 3840]$, $[2818, 128]$, $[1076, 2688]$, $[3123, 3968]$, $[3210, 2112]$, $[2779, 2464]$
22. $[132, 2048]$, $[464, 3072]$, $[3520, 512]$, $[52, 2560]$, $[461, 1536]$, $[1025, 2304]$, $[81, 3328]$, $[717, 3840]$, $[318, 128]$, $[2870, 3200]$, $[631, 2688]$, $[3602, 1664]$, $[1542, 1408]$, $[4005, 192]$, $[1047, 2592]$
23. $[1604, 2048]$, $[928, 3072]$, $[2472, 512]$, $[1328, 2560]$, $[1391, 3584]$, $[1753, 768]$, $[2564, 1792]$, $[2652, 3840]$, $[265, 128]$, $[3091, 3200]$, $[2396, 1664]$, $[3093, 1920]$, $[2855, 192]$, $[3508, 448]$, $[2194, 2720]$
24. $[676, 2048]$, $[688, 3072]$, $[448, 512]$, $[3545, 1536]$, $[3615, 2304]$, $[1697, 2816]$, $[2673, 1792]$, $[1631, 3840]$, $[3135, 128]$, $[1868, 2176]$, $[1026, 2944]$, $[1574, 2112]$, $[3220, 3136]$, $[1690, 3104]$, $[787, 3232]$
25. $[356, 2048]$, $[720, 3072]$, $[2480, 512]$, $[3231, 2560]$, $[2326, 1536]$, $[3378, 3584]$, $[2778, 2304]$, $[3080, 768]$, $[3826, 3840]$, $[878, 128]$, $[1580, 2176]$, $[3647, 2688]$, $[3645, 1920]$, $[1927, 3136]$, $[3854, 1600]$
26. $[148, 2048]$, $[96, 3072]$, $[2288, 512]$, $[3146, 2560]$, $[2501, 1536]$, $[1163, 3584]$, $[1249, 2304]$, $[754, 768]$, $[167, 2816]$, $[1231, 1792]$, $[866, 2176]$, $[306, 2688]$, $[608, 3712]$, $[1600, 1920]$, $[1799, 3392]$
27. $[916, 2048]$, $[2208, 3072]$, $[280, 2560]$, $[1312, 1536]$, $[1064, 3584]$, $[513, 2304]$, $[746, 3328]$, $[1094, 768]$, $[43, 2816]$, $[3895, 2176]$, $[3917, 3200]$, $[2389, 1664]$, $[1682, 2112]$, $[2821, 3136]$, $[385, 3744]$
28. $[1940, 2048]$, $[3040, 3072]$, $[3136, 512]$, $[1096, 3584]$, $[2579, 3328]$, $[234, 2816]$, $[2235, 1792]$, $[775, 1664]$, $[2638, 3712]$, $[892, 2944]$, $[621, 3968]$, $[3462, 576]$, $[2738, 832]$, $[790, 1856]$, $[6, 2592]$
29. $[84, 2048]$, $[2848, 3072]$, $[1296, 512]$, $[306, 2560]$, $[1457, 1536]$, $[3296, 3584]$, $[151, 1792]$, $[2662, 3840]$, $[3955, 128]$, $[1845, 3200]$, $[835, 2688]$, $[1865, 3712]$, $[1112, 1408]$, $[2148, 3968]$, $[1695, 2592]$

30. $[1972, 2048]$, $[656, 3072]$, $[1328, 512]$, $[132, 2560]$, $[2427, 1536]$, $[1237, 3584]$, $[2201, 2304]$, $[1641, 3328]$, $[3132, 768]$, $[3708, 2816]$, $[2302, 1792]$, $[306, 3200]$, $[887, 1664]$, $[633, 2944]$, $[672, 1472]$
31. $[1676, 2048]$, $[288, 3072]$, $[1408, 2560]$, $[1608, 2304]$, $[3150, 3328]$, $[2212, 2816]$, $[2159, 1792]$, $[1126, 3840]$, $[300, 128]$, $[2150, 3200]$, $[3188, 1664]$, $[1709, 3136]$, $[3208, 1600]$, $[3241, 3392]$, $[550, 1472]$
32. $[588, 2048]$, $[440, 3072]$, $[3544, 512]$, $[2274, 1536]$, $[163, 3584]$, $[3104, 3328]$, $[1628, 1792]$, $[3777, 3840]$, $[574, 128]$, $[3867, 3200]$, $[3708, 2688]$, $[3962, 3712]$, $[3405, 1920]$, $[2067, 3968]$, $[2307, 2112]$
33. $[812, 2048]$, $[2912, 3072]$, $[2200, 512]$, $[3284, 2560]$, $[1356, 1536]$, $[166, 2304]$, $[523, 3328]$, $[2078, 768]$, $[2807, 2816]$, $[1673, 1792]$, $[1610, 128]$, $[2904, 2176]$, $[3950, 3712]$, $[1805, 704]$, $[1675, 1056]$
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35. $[700, 2048]$, $[1008, 3072]$, $[192, 2560]$, $[2228, 1536]$, $[3758, 2304]$, $[3637, 768]$, $[3935, 128]$, $[3609, 3200]$, $[1062, 2688]$, $[315, 1408]$, $[2858, 2944]$, $[2495, 2368]$, $[3114, 2880]$, $[2056, 4032]$, $[1164, 1824]$
36. $[1468, 2048]$, $[2400, 3072]$, $[3236, 512]$, $[484, 2560]$, $[1306, 1536]$, $[3441, 3584]$, $[2155, 3328]$, $[2653, 768]$, $[566, 2816]$, $[2815, 1792]$, $[1347, 2688]$, $[3498, 2112]$, $[1307, 3136]$, $[3763, 2880]$, $[3974, 4032]$
37. $[1538, 2048]$, $[352, 3072]$, $[1216, 512]$, $[3260, 2560]$, $[1316, 3584]$, $[1619, 2304]$, $[1581, 2816]$, $[1039, 1664]$, $[2305, 1408]$, $[1037, 1920]$, $[3912, 3968]$, $[2844, 3648]$, $[2221, 2368]$, $[1953, 3904]$, $[2068, 2720]$
38. $[2018, 2048]$, $[2624, 3072]$, $[1480, 512]$, $[1274, 2560]$, $[1317, 1536]$, $[2133, 3584]$, $[527, 2304]$, $[2107, 768]$, $[3747, 2816]$, $[2105, 3200]$, $[2899, 2688]$, $[4003, 3392]$, $[1700, 3904]$, $[1066, 704]$, $[1967, 1472]$
39. $[530, 2048]$, $[2864, 3072]$, $[1376, 512]$, $[1112, 2560]$, $[2447, 1536]$, $[2290, 2304]$, $[3159, 3328]$, $[617, 768]$, $[3828, 3840]$, $[2860, 128]$, $[815, 2688]$, $[2170, 1408]$, $[3415, 2944]$, $[410, 704]$, $[2825, 1696]$
40. $[1362, 2048]$, $[8, 3072]$, $[2520, 2560]$, $[2308, 1536]$, $[1356, 3584]$, $[3723, 3328]$, $[1633, 768]$, $[2789, 1792]$, $[3110, 128]$, $[3103, 2176]$, $[350, 3200]$, $[3397, 1408]$, $[1320, 3648]$, $[2111, 2368]$, $[3863, 416]$
41. $[1234, 2048]$, $[2656, 3072]$, $[3392, 512]$, $[2276, 2560]$, $[3375, 1536]$, $[2371, 3584]$, $[3290, 3328]$, $[2710, 768]$, $[3267, 2816]$, $[798, 2688]$, $[3657, 1664]$, $[308, 3968]$, $[1716, 3648]$, $[829, 448]$, $[983, 3232]$
42. $[178, 2048]$, $[784, 3072]$, $[2240, 512]$, $[1200, 2560]$, $[250, 1536]$, $[2712, 2304]$, $[3226, 3328]$, $[2059, 768]$, $[2265, 2816]$, $[2603, 3840]$, $[2632, 2176]$, $[3966, 3200]$, $[2182, 3136]$, $[3130, 2368]$, $[2826, 192]$
43. $[586, 2048]$, $[2960, 3072]$, $[2208, 512]$, $[3568, 2560]$, $[3209, 1536]$, $[1119, 3584]$, $[3790, 2304]$, $[587, 768]$, $[2709, 2816]$, $[3622, 1792]$, $[1081, 3840]$, $[2131, 2944]$, $[3389, 1920]$, $[1683, 2368]$, $[3742, 704]$
44. $[1866, 2048]$, $[612, 3072]$, $[2544, 2560]$, $[3564, 1536]$, $[2298, 3584]$, $[1176, 768]$, $[3224, 1792]$, $[227, 3840]$, $[2063, 128]$, $[2381, 2176]$, $[1048, 3200]$, $[2607, 1408]$, $[2914, 3968]$, $[1166, 2112]$, $[1935, 1856]$
45. $[1066, 2048]$, $[816, 3072]$, $[1056, 512]$, $[2404, 1536]$, $[2295, 3584]$, $[2583, 2304]$, $[1708, 3328]$, $[708, 768]$, $[1573, 3840]$, $[94, 2688]$, $[1308, 3136]$, $[3368, 576]$, $[1417, 832]$, $[2360, 192]$, $[1026, 4032]$
46. $[1898, 2048]$, $[2224, 3072]$, $[224, 512]$, $[1080, 2560]$, $[403, 3584]$, $[3289, 768]$, $[172, 3840]$, $[2165, 128]$, $[2653, 2176]$, $[3339, 3200]$, $[3659, 2944]$, $[3933, 3968]$, $[1667, 2112]$, $[1071, 1600]$, $[3347, 2368]$
47. $[986, 2048]$, $[2336, 3072]$, $[2244, 512]$, $[177, 2560]$, $[3091, 1536]$, $[1308, 3584]$, $[2142, 2304]$, $[1131, 3840]$, $[1906, 128]$, $[1107, 3200]$, $[3625, 2688]$, $[2639, 3712]$, $[3359, 2112]$, $[1947, 2880]$, $[1850, 448]$
48. $[518, 2048]$, $[2664, 3072]$, $[3280, 512]$, $[1068, 2560]$, $[3271, 1536]$, $[1142, 2304]$, $[675, 3328]$, $[32, 768]$, $[3320, 3840]$, $[46, 128]$, $[2168, 2176]$, $[3907, 3200]$, $[841, 2688]$, $[2572, 2944]$, $[3595, 576]$
49. $[646, 2048]$, $[488, 3072]$, $[3264, 2560]$, $[2324, 1536]$, $[104, 768]$, $[2628, 2816]$, $[525, 3840]$, $[1574, 128]$, $[2565, 2176]$, $[1593, 3200]$, $[1625, 3712]$, $[1802, 1920]$, $[946, 576]$, $[3214, 448]$, $[1053, 3104]$
50. $[1318, 2048]$, $[2112, 3072]$, $[3088, 512]$, $[3552, 1536]$, $[3244, 3584]$, $[2284, 2304]$, $[153, 3328]$, $[3668, 2816]$, $[1593, 128]$, $[348, 2176]$, $[3629, 1408]$, $[663, 576]$, $[3381, 832]$, $[3519, 3904]$, $[2746, 4032]$
51. $[470, 2048]$, $[600, 3072]$, $[2320, 512]$, $[3235, 2560]$, $[1198, 3584]$, $[1148, 2304]$, $[1638, 3328]$, $[1618, 768]$, $[632, 2816]$, $[3631, 2688]$, $[338, 2944]$, $[2709, 576]$, $[2067, 832]$, $[4017, 1472]$, $[3935, 2080]$
52. $[590, 2048]$, $[2648, 3072]$, $[2080, 512]$, $[1264, 2560]$, $[496, 1536]$, $[2104, 3584]$, $[3728, 768]$, $[3804, 1792]$, $[178, 3840]$, $[1069, 2176]$, $[2329, 2688]$, $[3675, 3968]$, $[167, 3392]$, $[908, 832]$, $[1176, 3104]$
53. $[1134, 2048]$, $[2776, 3072]$, $[2416, 512]$, $[1060, 2560]$, $[225, 1536]$, $[1380, 3584]$, $[164, 2304]$, $[110, 3328]$, $[3662, 1792]$, $[541, 128]$, $[265, 3200]$, $[3849, 3712]$, $[1153, 704]$, $[1456, 1984]$, $[3868, 3104]$
54. $[750, 2048]$, $[2832, 3072]$, $[1384, 512]$, $[1140, 1536]$, $[2100, 3584]$, $[2723, 768]$, $[1733, 2816]$, $[1773, 1792]$, $[2118, 2176]$, $[284, 1664]$, $[359, 3712]$, $[3630, 2944]$, $[1863, 3968]$, $[1835, 3136]$, $[3854, 2368]$
55. $[1566, 2048]$, $[2128, 3072]$, $[3232, 2560]$, $[433, 1536]$, $[3074, 3584]$, $[3267, 3328]$, $[3668, 1792]$, $[1668, 3840]$, $[1640, 2176]$, $[1559, 3200]$, $[3341, 2688]$, $[1852, 1600]$, $[2067, 2880]$, $[2092, 3904]$, $[2380, 2464]$

56. [94, 2048], [2272, 3072], [3336, 512], [1525, 2560], [3460, 3584], [2767, 2304], [751, 3328], [1597, 768], [3693, 2816], [3586, 1792], [177, 3840], [2057, 3200], [2831, 1664], [1442, 2112], [1431, 3392]
57. [1374, 2048], [864, 3072], [3536, 2560], [2256, 1536], [3192, 3328], [2821, 2688], [1091, 1664], [2582, 3712], [2130, 1408], [3899, 1920], [3097, 576], [1065, 1600], [2073, 3648], [702, 3392], [2576, 832]
58. [62, 2048], [2216, 3072], [496, 512], [2476, 2560], [2117, 1536], [141, 3584], [3323, 2816], [1304, 128], [558, 2176], [842, 3200], [2651, 2688], [1879, 3712], [2685, 2944], [669, 3648], [3329, 192]
59. [1086, 2048], [832, 3072], [1040, 512], [3106, 2560], [1245, 1536], [1122, 3328], [1228, 768], [3162, 1792], [3159, 128], [2331, 2176], [1404, 3200], [3625, 3712], [314, 1408], [1915, 1920], [1939, 1600]
60. [1150, 2048], [2532, 3072], [2408, 512], [1304, 2560], [34, 1536], [1194, 3584], [3177, 768], [2629, 2816], [1628, 2176], [2143, 3200], [890, 2688], [2315, 1408], [532, 2880], [1464, 3904], [3859, 3232]
61. [289, 2048], [2160, 3072], [2272, 2560], [1392, 1536], [2179, 3584], [1168, 2304], [1276, 3328], [3085, 2816], [3638, 2176], [3191, 3200], [267, 2688], [3417, 3968], [2576, 3136], [3594, 2368], [2999, 960]
62. [1297, 2048], [68, 3072], [2464, 512], [1220, 2560], [2341, 3584], [539, 3328], [1251, 2816], [2667, 3840], [560, 128], [3609, 2176], [2902, 3200], [1564, 3712], [3084, 1408], [3643, 1920], [474, 2592]
63. [1937, 2048], [560, 3072], [2376, 512], [392, 1536], [249, 2304], [3225, 768], [3609, 2816], [1157, 1792], [3699, 3840], [1307, 3200], [1095, 2944], [3399, 1920], [807, 3264], [829, 704], [2199, 4032]
64. [817, 2048], [2240, 3072], [3488, 512], [2434, 2560], [3285, 1536], [61, 3584], [3227, 2304], [2200, 2816], [599, 1792], [3376, 128], [1810, 2176], [3635, 3200], [863, 1408], [2853, 3136], [1447, 3264]
65. [1289, 2048], [2312, 3072], [2400, 512], [336, 1536], [2324, 3584], [3687, 3328], [3196, 768], [1649, 2816], [2052, 128], [3382, 3200], [1365, 2688], [1610, 1664], [58, 3136], [1826, 1856], [538, 1824]
66. [1321, 2048], [136, 3072], [3408, 512], [2100, 2560], [1163, 1536], [3568, 3584], [717, 3328], [196, 2816], [1353, 128], [1824, 2176], [2336, 2688], [3698, 1408], [1543, 3136], [3888, 1856], [2629, 3232]
67. [1705, 2048], [2880, 3072], [3232, 512], [3244, 2560], [3395, 1536], [1261, 3584], [1108, 2304], [1721, 1792], [3865, 128], [619, 2176], [544, 2688], [1310, 1664], [291, 1920], [684, 3136], [1605, 2144]
68. [105, 2048], [2232, 3072], [264, 512], [3096, 2560], [2319, 1536], [646, 2304], [3278, 2816], [67, 1792], [2066, 3840], [3879, 1664], [1817, 2944], [2856, 3648], [824, 3392], [3223, 3520], [3207, 3104]
69. [89, 2048], [660, 3072], [2304, 2560], [1284, 1536], [2340, 3584], [1269, 3328], [2087, 1792], [3687, 2688], [1118, 1664], [3926, 3712], [2090, 1408], [820, 3968], [3459, 2368], [1424, 1984], [3402, 3360]
70. [1081, 2048], [2264, 3072], [1064, 2560], [1136, 1536], [2398, 3584], [1108, 768], [59, 1792], [1625, 128], [2687, 2176], [1855, 1664], [2614, 3136], [1837, 3392], [2721, 2880], [1170, 704], [3888, 448]
71. [441, 2048], [752, 3072], [3496, 512], [3264, 1536], [2096, 3584], [1761, 2304], [215, 2816], [3083, 1792], [2140, 2176], [369, 3200], [379, 3712], [3680, 3968], [672, 3648], [2986, 3392], [4029, 3904]
72. [1413, 2048], [3016, 3072], [88, 512], [1524, 2560], [2449, 1536], [1101, 3328], [3746, 768], [3129, 2816], [1259, 3840], [1632, 128], [2390, 3200], [91, 1408], [1855, 2944], [61, 1920], [135, 3392]
73. [1925, 2048], [2872, 3072], [408, 512], [1120, 2560], [3112, 1536], [2548, 3584], [1599, 2304], [3802, 2816], [194, 3840], [2588, 128], [76, 1664], [2327, 3712], [1917, 1408], [2310, 3968], [1676, 832]
74. [1733, 2048], [2568, 3072], [3432, 512], [300, 2560], [3422, 1536], [1159, 3584], [1749, 2304], [1093, 3328], [1641, 128], [1601, 3200], [2404, 3712], [2598, 2112], [1822, 3648], [2474, 1856], [1485, 2720]
75. [149, 2048], [336, 3072], [1272, 512], [1132, 2560], [301, 1536], [2352, 3584], [1172, 2304], [3694, 3328], [3683, 2816], [739, 3840], [1312, 1664], [2853, 2112], [3510, 3648], [1720, 3392], [1948, 960]
76. [405, 2048], [144, 3072], [3184, 512], [1360, 2560], [2151, 1536], [2604, 3328], [3272, 1792], [2939, 128], [549, 3200], [1653, 1664], [835, 1920], [2078, 1600], [2819, 2368], [284, 1856], [818, 704]
77. [117, 2048], [2660, 3072], [1120, 512], [2056, 2560], [413, 1536], [1662, 2304], [1076, 3328], [2716, 768], [1060, 2816], [1587, 1792], [2206, 3840], [357, 1920], [2407, 3968], [1968, 192], [560, 3264]
78. [1181, 2048], [208, 3072], [480, 512], [462, 2560], [3262, 1536], [3556, 3584], [106, 2304], [2780, 3328], [88, 768], [362, 2176], [47, 1664], [2686, 2944], [3131, 2112], [1327, 3392], [154, 1856]
79. [2013, 2048], [840, 3072], [2256, 512], [1401, 2560], [1261, 1536], [2293, 3584], [2718, 768], [559, 2816], [1253, 1792], [1113, 3840], [2569, 2176], [1819, 1664], [2906, 3712], [2481, 3136], [2731, 3392]
80. [995, 2048], [2504, 512], [1168, 1536], [1054, 3584], [1050, 2304], [517, 3328], [3142, 768], [2914, 2176], [349, 2688], [1151, 1664], [3401, 3712], [2067, 1408], [1846, 3136], [2481, 576], [1183, 1856]
81. [787, 2048], [968, 3072], [2248, 512], [2538, 2560], [1260, 1536], [2250, 3584], [2206, 2304], [3683, 3328], [2268, 768], [3271, 2816], [857, 128], [821, 2176], [850, 3200], [1378, 3968], [1461, 960]

82. $[1075, 2048]$, $[740, 3072]$, $[1288, 512]$, $[1050, 2560]$, $[83, 3584]$, $[2630, 2304]$, $[539, 768]$, $[3605, 2816]$, $[1716, 3840]$, $[2075, 128]$, $[2664, 2176]$, $[1375, 3200]$, $[2898, 1664]$, $[3089, 576]$, $[310, 960]$
83. $[179, 2048]$, $[2404, 3072]$, $[3376, 512]$, $[146, 2560]$, $[1465, 1536]$, $[2774, 2304]$, $[2577, 3328]$, $[2603, 768]$, $[2729, 3840]$, $[337, 3200]$, $[1556, 1664]$, $[1917, 3712]$, $[308, 576]$, $[4011, 3392]$, $[2473, 1984]$
84. $[1835, 2048]$, $[276, 3072]$, $[3112, 512]$, $[450, 1536]$, $[3134, 3584]$, $[3103, 2304]$, $[3703, 3328]$, $[3824, 768]$, $[150, 2816]$, $[1593, 3840]$, $[2348, 2688]$, $[2147, 1664]$, $[1031, 1920]$, $[4004, 832]$, $[3116, 4032]$
85. $[1515, 2048]$, $[1104, 512]$, $[480, 2560]$, $[492, 1536]$, $[3171, 3584]$, $[3131, 2304]$, $[589, 3328]$, $[3766, 3840]$, $[2838, 128]$, $[2892, 2176]$, $[521, 1600]$, $[530, 2880]$, $[1927, 3104]$, $[586, 2592]$, $[3356, 2144]$
86. $[1819, 2048]$, $[2708, 3072]$, $[168, 512]$, $[3316, 2560]$, $[2085, 1536]$, $[1196, 2304]$, $[2151, 3328]$, $[70, 768]$, $[1695, 1792]$, $[1185, 3840]$, $[1555, 128]$, $[2840, 3200]$, $[3338, 1920]$, $[1713, 576]$, $[1289, 1856]$
87. $[859, 2048]$, $[2440, 3072]$, $[2056, 512]$, $[1074, 2560]$, $[1257, 1536]$, $[3307, 3328]$, $[161, 2816]$, $[3667, 1792]$, $[2620, 3840]$, $[3638, 2688]$, $[1880, 1664]$, $[578, 1920]$, $[1912, 3968]$, $[3609, 2880]$, $[3362, 3264]$
88. $[219, 2048]$, $[3028, 3072]$, $[296, 512]$, $[3242, 2560]$, $[3279, 1536]$, $[1741, 2304]$, $[1176, 2816]$, $[2644, 1792]$, $[642, 3840]$, $[2360, 128]$, $[2890, 3200]$, $[2634, 1664]$, $[3196, 3712]$, $[1601, 2080]$, $[4063, 3104]$
89. $[1211, 2048]$, $[2536, 3072]$, $[2144, 512]$, $[2108, 2560]$, $[3177, 1536]$, $[3199, 3584]$, $[3132, 2304]$, $[3266, 3328]$, $[3681, 3840]$, $[1334, 3200]$, $[3081, 2688]$, $[518, 1408]$, $[1377, 1920]$, $[3850, 3968]$, $[390, 2112]$
90. $[955, 2048]$, $[2480, 3072]$, $[1416, 512]$, $[291, 2560]$, $[2444, 1536]$, $[451, 3584]$, $[1240, 3328]$, $[759, 768]$, $[2738, 2816]$, $[87, 1920]$, $[1959, 3136]$, $[2305, 1856]$, $[2469, 3904]$, $[1468, 448]$, $[3360, 1472]$
91. $[763, 2048]$, $[3288, 512]$, $[2444, 2560]$, $[2408, 1536]$, $[1232, 3584]$, $[587, 2304]$, $[41, 768]$, $[1076, 3840]$, $[3089, 3200]$, $[333, 1664]$, $[3859, 3712]$, $[3133, 3136]$, $[3618, 3648]$, $[3742, 3264]$, $[34, 1472]$
92. $[1019, 2048]$, $[200, 3072]$, $[2528, 512]$, $[1160, 2560]$, $[1445, 1536]$, $[63, 3584]$, $[1224, 2816]$, $[2136, 1792]$, $[1626, 2176]$, $[535, 3200]$, $[554, 1664]$, $[1911, 2944]$, $[809, 3968]$, $[2988, 192]$, $[1815, 3264]$
93. $[1159, 2048]$, $[788, 3072]$, $[1232, 512]$, $[2344, 2560]$, $[3263, 1536]$, $[1505, 3584]$, $[1143, 2304]$, $[600, 768]$, $[1097, 1792]$, $[777, 128]$, $[69, 2688]$, $[2613, 1408]$, $[266, 2368]$, $[285, 3392]$, $[2827, 2880]$
94. $[1095, 2048]$, $[628, 3072]$, $[3464, 512]$, $[3560, 2560]$, $[2536, 1536]$, $[2134, 3584]$, $[3713, 2304]$, $[11, 3328]$, $[588, 768]$, $[3242, 1792]$, $[2733, 3840]$, $[1047, 2176]$, $[3930, 2688]$, $[3848, 3712]$, $[3477, 1856]$
95. $[1575, 2048]$, $[52, 3072]$, $[200, 512]$, $[24, 2560]$, $[3511, 1536]$, $[2330, 3584]$, $[3297, 3328]$, $[2085, 2816]$, $[3161, 1792]$, $[2106, 128]$, $[3878, 2176]$, $[2597, 576]$, $[3459, 3648]$, $[1556, 3904]$, $[533, 192]$
96. $[295, 2048]$, $[880, 3072]$, $[120, 512]$, $[3475, 2560]$, $[2295, 1536]$, $[1433, 3584]$, $[32, 2304]$, $[2109, 3328]$, $[2753, 2816]$, $[641, 3840]$, $[807, 2176]$, $[3625, 3200]$, $[2715, 832]$, $[1837, 3264]$, $[1794, 1824]$
97. $[103, 2048]$, $[2248, 3072]$, $[24, 512]$, $[3570, 2560]$, $[1511, 3584]$, $[3163, 768]$, $[3265, 2816]$, $[1094, 1792]$, $[1602, 3840]$, $[2661, 128]$, $[1872, 2176]$, $[2631, 2688]$, $[2923, 3712]$, $[415, 3136]$, $[1172, 3392]$
98. $[1303, 2048]$, $[2988, 3072]$, $[136, 512]$, $[1062, 1536]$, $[2216, 3584]$, $[3779, 2304]$, $[3647, 3328]$, $[2812, 2816]$, $[1577, 1792]$, $[844, 128]$, $[1540, 2688]$, $[57, 2944]$, $[3893, 3968]$, $[1293, 3648]$, $[3974, 2592]$
99. $[375, 2048]$, $[2608, 3072]$, $[2052, 512]$, $[1392, 2560]$, $[1077, 1536]$, $[1432, 3584]$, $[3313, 2816]$, $[3639, 1792]$, $[3700, 3840]$, $[1357, 128]$, $[780, 2688]$, $[1617, 3712]$, $[3478, 3136]$, $[530, 3648]$, $[3510, 704]$
100. $[1167, 2048]$, $[400, 3072]$, $[3368, 512]$, $[1255, 2560]$, $[1432, 1536]$, $[237, 3584]$, $[2790, 2304]$, $[3757, 3328]$, $[669, 3840]$, $[1868, 3200]$, $[1601, 1408]$, $[3355, 2944]$, $[3129, 1920]$, $[2065, 2880]$, $[388, 3264]$
101. $[719, 2048]$, $[44, 3072]$, $[352, 2560]$, $[3343, 1536]$, $[2158, 3584]$, $[46, 2304]$, $[3749, 3328]$, $[1237, 768]$, $[3672, 1792]$, $[797, 128]$, $[2686, 2688]$, $[310, 1920]$, $[2343, 3968]$, $[2857, 3904]$, $[2955, 1312]$
102. $[352, 2048]$, $[2944, 3072]$, $[2128, 512]$, $[364, 1536]$, $[3094, 3584]$, $[3088, 2304]$, $[2177, 768]$, $[3269, 2816]$, $[2921, 128]$, $[818, 2176]$, $[2116, 2688]$, $[875, 1664]$, $[1391, 3712]$, $[2584, 3968]$, $[1417, 1600]$
103. $[1440, 2048]$, $[544, 3072]$, $[3204, 512]$, $[242, 2560]$, $[2315, 1536]$, $[2052, 3584]$, $[38, 2304]$, $[1691, 3328]$, $[702, 2816]$, $[106, 3840]$, $[316, 2176]$, $[3083, 3712]$, $[3140, 1408]$, $[1670, 2368]$, $[1701, 3392]$
104. $[64, 2048]$, $[992, 3072]$, $[2376, 2560]$, $[2072, 1536]$, $[3730, 2304]$, $[1778, 768]$, $[3679, 1792]$, $[657, 3840]$, $[2564, 2176]$, $[2420, 1664]$, $[350, 2944]$, $[2213, 2368]$, $[3992, 3392]$, $[2865, 1984]$, $[1183, 3232]$
105. $[736, 2048]$, $[592, 3072]$, $[4, 512]$, $[3393, 1536]$, $[471, 3584]$, $[2089, 2304]$, $[2588, 768]$, $[3195, 2816]$, $[3669, 2176]$, $[3175, 1664]$, $[630, 3712]$, $[3941, 2944]$, $[2116, 3968]$, $[1056, 1600]$, $[440, 2368]$
106. $[912, 2048]$, $[2512, 3072]$, $[112, 512]$, $[2144, 2560]$, $[2245, 1536]$, $[2455, 3584]$, $[2802, 1792]$, $[3090, 3840]$, $[316, 128]$, $[2871, 3200]$, $[282, 2944]$, $[1190, 3136]$, $[2232, 3648]$, $[575, 832]$, $[415, 2464]$
107. $[224, 2048]$, $[944, 3072]$, $[336, 512]$, $[3362, 2560]$, $[253, 3584]$, $[3243, 2304]$, $[1268, 768]$, $[3213, 2816]$, $[800, 2176]$, $[3841, 1664]$, $[849, 2944]$, $[841, 1920]$, $[4011, 2880]$, $[2182, 704]$, $[2582, 1472]$

108. [1344, 2048], [2672, 3072], [1440, 2560], [324, 1536], [2646, 3328], [48, 2816], [3373, 2176], [3192, 3200], [775, 1408], [631, 2944], [596, 1920], [1796, 3968], [2965, 2112], [1543, 576], [769, 3168]
109. [1056, 2048], [2416, 3072], [2232, 512], [1067, 2560], [2107, 1536], [1440, 3584], [2220, 2304], [2666, 2816], [2052, 3200], [2637, 2688], [3073, 1664], [2397, 1920], [3244, 576], [1599, 1600], [1091, 3488]
110. [544, 2048], [2544, 3072], [3536, 512], [1340, 1536], [2269, 3584], [1737, 2304], [3167, 3328], [102, 2816], [3829, 3840], [2423, 3200], [1333, 1600], [2865, 3648], [651, 2880], [4017, 448], [3027, 3744]
111. [896, 2048], [552, 3072], [1184, 512], [100, 2560], [343, 1536], [3314, 3584], [2109, 2304], [2174, 2816], [2562, 3840], [1124, 128], [19, 2176], [382, 3712], [1560, 832], [3639, 704], [569, 960]
112. [672, 2048], [2408, 3072], [3568, 512], [2252, 2560], [3550, 1536], [3794, 2304], [2136, 3328], [22, 1792], [3728, 3840], [2647, 2176], [1820, 3200], [269, 1664], [2885, 1920], [1082, 2112], [2073, 448]
113. [1984, 2048], [280, 3072], [228, 512], [1094, 2560], [3205, 1536], [1156, 3584], [1544, 2304], [3136, 768], [118, 2816], [3774, 1792], [117, 3840], [3420, 2176], [3928, 1664], [3475, 2112], [3459, 3264]
114. [1136, 2048], [3032, 3072], [2136, 512], [3137, 2560], [1277, 1536], [3459, 3584], [1236, 2304], [2692, 3328], [637, 768], [755, 2816], [1179, 1792], [1292, 128], [321, 3712], [799, 3648], [1332, 2368]
115. [2016, 2048], [2360, 3072], [328, 512], [3504, 2560], [1256, 1536], [1624, 2304], [3730, 768], [3643, 1792], [584, 3840], [3677, 2688], [2620, 3712], [2573, 2944], [1036, 3968], [1939, 576], [2699, 1056]
116. [1696, 2048], [2168, 3072], [280, 512], [1108, 2560], [3397, 1536], [3255, 3584], [3119, 2304], [2276, 3328], [2659, 2816], [2214, 1792], [1382, 3200], [2322, 1408], [1907, 1920], [2094, 3648], [1795, 3904]
117. [576, 2048], [4, 3072], [2096, 512], [1136, 2560], [3414, 1536], [1265, 2816], [1058, 1792], [2841, 2176], [3868, 3200], [1816, 3712], [2682, 2944], [47, 2112], [2318, 3136], [391, 832], [1554, 1472]
118. [208, 2048], [388, 3072], [488, 512], [248, 2560], [3288, 3584], [1756, 2304], [2671, 2816], [1748, 1792], [245, 3840], [3357, 3200], [802, 1664], [2602, 1408], [58, 1920], [1824, 2368], [1552, 1984]
119. [1552, 2048], [2948, 3072], [1064, 512], [3380, 2560], [339, 1536], [2073, 3584], [3749, 2304], [2800, 3328], [618, 768], [2625, 1664], [2594, 2944], [2050, 576], [1456, 1600], [1032, 192], [3229, 3520]
120. [704, 2048], [2980, 3072], [2280, 512], [51, 2560], [2258, 1536], [2155, 3584], [2208, 2304], [753, 3328], [1173, 1792], [3659, 3840], [312, 128], [2165, 2688], [3916, 3712], [1141, 3968], [2829, 1056]
121. [1808, 2048], [356, 3072], [3396, 512], [1430, 2560], [1395, 1536], [1193, 3584], [3793, 3328], [2049, 768], [3094, 2816], [893, 128], [821, 3200], [2682, 2688], [1884, 1920], [1162, 3136], [418, 3264]
122. [480, 2048], [228, 3072], [1368, 512], [3089, 2560], [1097, 3584], [154, 3328], [592, 768], [538, 3840], [771, 128], [1917, 2688], [3664, 1664], [43, 2112], [3727, 3136], [539, 2368], [840, 3104]
123. [1936, 2048], [404, 3072], [504, 2560], [1466, 1536], [3451, 3584], [174, 768], [3780, 1792], [1059, 3840], [2340, 3200], [1081, 1664], [2890, 1408], [1080, 576], [1078, 3392], [3219, 1856], [667, 416]
124. [176, 2048], [916, 3072], [3552, 512], [2406, 2560], [371, 3584], [239, 2304], [3149, 3328], [37, 1792], [3859, 2176], [2664, 2688], [2586, 1664], [3704, 2944], [1823, 960], [1735, 2720], [2309, 2144]
125. [528, 2048], [84, 3072], [3144, 512], [3342, 2560], [2456, 1536], [1151, 3584], [123, 2816], [1095, 3840], [3441, 128], [3931, 2176], [2342, 3200], [1872, 3712], [2071, 2112], [3512, 1856], [1690, 2144]
126. [1632, 2048], [2132, 3072], [1072, 512], [3488, 1536], [341, 3584], [611, 2304], [3717, 3328], [675, 768], [3139, 3840], [635, 2176], [2894, 3200], [3710, 1664], [2094, 1920], [163, 3136], [3893, 192]
127. [768, 2048], [468, 3072], [3224, 2560], [2424, 3584], [1119, 2304], [2052, 3328], [1134, 3840], [3704, 2176], [96, 1664], [1103, 3712], [2581, 1408], [1305, 1920], [3609, 3968], [3730, 832], [1219, 3104]
128. [1576, 2048], [2100, 3072], [2324, 512], [3484, 2560], [1511, 1536], [369, 3584], [3325, 2304], [1166, 3328], [3754, 768], [2606, 3840], [2115, 2688], [1842, 2944], [604, 3968], [2322, 576], [404, 3360]
129. [1032, 2048], [2996, 3072], [1432, 512], [1177, 2560], [341, 1536], [2108, 3584], [615, 3328], [3119, 768], [2869, 128], [326, 3712], [567, 1920], [777, 2112], [1328, 576], [2452, 704], [1963, 448]
130. [448, 2048], [812, 3072], [48, 512], [3478, 2560], [1290, 1536], [3291, 3328], [1217, 1792], [2100, 128], [3612, 2688], [889, 1664], [1847, 2112], [1077, 3136], [2569, 3648], [567, 1856], [3384, 1984]
131. [1184, 2048], [924, 3072], [1400, 512], [303, 2560], [1318, 1536], [82, 3584], [160, 3328], [123, 768], [1656, 2816], [1125, 1792], [2568, 1664], [2109, 2944], [591, 1920], [2930, 3968], [702, 1600]
132. [928, 2048], [3036, 3072], [3208, 512], [2081, 2560], [1309, 1536], [1263, 3584], [2211, 2304], [693, 2816], [1631, 1792], [1350, 2176], [2628, 1664], [383, 3712], [1880, 1408], [1644, 2944], [3862, 1312]
133. [1744, 2048], [2748, 3072], [2168, 512], [3338, 1536], [351, 3584], [1061, 768], [3108, 2816], [550, 1792], [1142, 3840], [608, 3200], [2681, 3712], [316, 1408], [4005, 2112], [1428, 3136], [1026, 3648]

134. $[1288, 2048]$, $[450, 3072]$, $[1088, 512]$, $[2152, 1536]$, $[381, 3584]$, $[2783, 2304]$, $[566, 3328]$, $[3088, 768]$, $[3627, 3840]$, $[110, 2176]$, $[1903, 3200]$, $[1312, 2688]$, $[3893, 576]$, $[3110, 3648]$, $[1924, 3904]$
135. $[1296, 2048]$, $[802, 3072]$, $[2536, 512]$, $[1374, 1536]$, $[2394, 3584]$, $[235, 768]$, $[179, 3840]$, $[3627, 128]$, $[1607, 2176]$, $[3446, 3200]$, $[1058, 1664]$, $[3595, 1408]$, $[2125, 1920]$, $[3864, 3136]$, $[1801, 960]$
136. $[1316, 2048]$, $[2210, 3072]$, $[1176, 512]$, $[3370, 2560]$, $[1095, 1536]$, $[1355, 3584]$, $[1646, 2304]$, $[3766, 2816]$, $[2078, 1792]$, $[3300, 3840]$, $[63, 2176]$, $[3914, 3712]$, $[1149, 1408]$, $[702, 832]$, $[421, 192]$
137. $[1760, 2048]$, $[402, 3072]$, $[3360, 512]$, $[221, 2560]$, $[2372, 1536]$, $[3159, 3584]$, $[2135, 2304]$, $[3818, 3328]$, $[731, 2816]$, $[686, 3840]$, $[3855, 2688]$, $[1322, 1664]$, $[3609, 1920]$, $[181, 2112]$, $[4013, 1600]$
138. $[1160, 2048]$, $[338, 3072]$, $[1412, 512]$, $[3105, 2560]$, $[3296, 1536]$, $[1121, 3584]$, $[3642, 2304]$, $[1140, 3328]$, $[1604, 3840]$, $[2156, 2944]$, $[1546, 2112]$, $[1806, 576]$, $[3384, 1856]$, $[3772, 448]$, $[721, 3424]$
139. $[992, 2048]$, $[2386, 3072]$, $[376, 512]$, $[1036, 1536]$, $[3333, 3584]$, $[1248, 2304]$, $[3725, 3328]$, $[2752, 2816]$, $[3093, 2176]$, $[1549, 3200]$, $[2361, 2944]$, $[2381, 1920]$, $[2706, 2112]$, $[681, 192]$, $[3763, 3264]$
140. $[688, 2048]$, $[2258, 3072]$, $[3480, 512]$, $[3323, 2560]$, $[3276, 1536]$, $[429, 3584]$, $[3078, 3328]$, $[2679, 2816]$, $[2587, 1792]$, $[1589, 3840]$, $[1588, 2176]$, $[2120, 2688]$, $[62, 2944]$, $[1718, 832]$, $[186, 2880]$
141. $[1224, 2048]$, $[722, 3072]$, $[2112, 512]$, $[396, 2560]$, $[3353, 1536]$, $[2332, 3584]$, $[1575, 2304]$, $[1059, 768]$, $[2214, 3840]$, $[2606, 3200]$, $[107, 1664]$, $[3426, 3712]$, $[2233, 1600]$, $[2993, 3264]$, $[2086, 448]$
142. $[1088, 2048]$, $[74, 3072]$, $[1352, 512]$, $[1035, 1536]$, $[2420, 3584]$, $[2276, 2304]$, $[151, 3328]$, $[717, 768]$, $[2742, 3840]$, $[614, 3200]$, $[879, 2688]$, $[75, 1408]$, $[313, 704]$, $[2469, 448]$, $[964, 1824]$
143. $[776, 2048]$, $[2906, 3072]$, $[3528, 512]$, $[410, 3584]$, $[3216, 2304]$, $[648, 3328]$, $[2083, 768]$, $[2719, 3840]$, $[635, 128]$, $[3848, 3200]$, $[3676, 2688]$, $[1122, 3712]$, $[281, 1920]$, $[2579, 3968]$, $[1592, 2112]$
144. $[648, 2048]$, $[2118, 3072]$, $[1096, 512]$, $[3128, 2560]$, $[2125, 1536]$, $[195, 3584]$, $[246, 1792]$, $[97, 128]$, $[2359, 2176]$, $[2327, 3200]$, $[3403, 2688]$, $[880, 1664]$, $[2940, 2944]$, $[139, 3136]$, $[962, 3808]$
145. $[1000, 2048]$, $[590, 3072]$, $[152, 512]$, $[222, 2560]$, $[445, 1536]$, $[1074, 2304]$, $[2789, 3328]$, $[3258, 768]$, $[2122, 2176]$, $[869, 2688]$, $[3108, 1664]$, $[286, 1408]$, $[514, 2944]$, $[3771, 3648]$, $[2868, 448]$
146. $[1216, 2048]$, $[750, 3072]$, $[3232, 1536]$, $[334, 3584]$, $[3688, 2304]$, $[2215, 3328]$, $[205, 768]$, $[1770, 2816]$, $[3119, 128]$, $[3182, 3200]$, $[2986, 3136]$, $[3970, 3392]$, $[1588, 1472]$, $[1970, 1984]$, $[3020, 1696]$
147. $[1904, 2048]$, $[2846, 3072]$, $[2064, 512]$, $[2275, 2560]$, $[3508, 1536]$, $[1561, 2304]$, $[128, 2816]$, $[3794, 3840]$, $[2572, 2176]$, $[41, 3200]$, $[1027, 2688]$, $[3665, 1664]$, $[67, 3712]$, $[3893, 448]$, $[2049, 1248]$
148. $[1232, 2048]$, $[734, 3072]$, $[36, 512]$, $[3238, 2560]$, $[1208, 3584]$, $[2067, 2304]$, $[628, 3328]$, $[1655, 3840]$, $[835, 128]$, $[2627, 2176]$, $[70, 2688]$, $[2881, 1664]$, $[3908, 3712]$, $[2199, 1600]$, $[3340, 960]$
149. $[1520, 2048]$, $[2561, 3072]$, $[2500, 512]$, $[3460, 2560]$, $[2280, 1536]$, $[268, 3584]$, $[1762, 2304]$, $[2627, 3328]$, $[579, 2816]$, $[248, 3840]$, $[299, 2176]$, $[1070, 1664]$, $[838, 3712]$, $[1685, 2880]$, $[3222, 3904]$
150. $[1648, 2048]$, $[449, 3072]$, $[472, 512]$, $[1052, 1536]$, $[1216, 3584]$, $[642, 3328]$, $[1647, 2816]$, $[124, 1792]$, $[1541, 3840]$, $[302, 128]$, $[3091, 2176]$, $[1896, 3712]$, $[3501, 832]$, $[3856, 960]$, $[2184, 4032]$
151. $[1680, 2048]$, $[2337, 3072]$, $[436, 512]$, $[2247, 2560]$, $[2511, 1536]$, $[2284, 3584]$, $[2804, 3328]$, $[3107, 768]$, $[573, 2816]$, $[38, 1664]$, $[281, 3712]$, $[796, 1920]$, $[1030, 576]$, $[3625, 832]$, $[4031, 1856]$
152. $[1880, 2048]$, $[625, 3072]$, $[2272, 512]$, $[1380, 2560]$, $[1384, 1536]$, $[2439, 3584]$, $[2749, 3328]$, $[1757, 768]$, $[1754, 2816]$, $[1690, 1792]$, $[1080, 3840]$, $[3115, 128]$, $[1602, 1664]$, $[1619, 1408]$, $[3642, 1600]$
153. $[312, 2048]$, $[241, 3072]$, $[1048, 512]$, $[1352, 2560]$, $[25, 1536]$, $[3201, 3584]$, $[2144, 3328]$, $[1783, 768]$, $[2334, 128]$, $[1058, 2176]$, $[3597, 1664]$, $[3191, 2944]$, $[2920, 3968]$, $[3223, 1472]$, $[26, 3104]$
154. $[2040, 2048]$, $[753, 3072]$, $[3140, 512]$, $[3334, 2560]$, $[2124, 1536]$, $[349, 3584]$, $[1155, 2304]$, $[3659, 3328]$, $[723, 768]$, $[3891, 128]$, $[518, 2176]$, $[1093, 3200]$, $[3964, 2688]$, $[1323, 3712]$, $[1947, 3648]$
155. $[496, 2048]$, $[3057, 3072]$, $[1320, 512]$, $[3330, 2560]$, $[2505, 1536]$, $[154, 3584]$, $[536, 2304]$, $[2128, 2816]$, $[2155, 1792]$, $[2243, 3840]$, $[3958, 3200]$, $[2846, 2688]$, $[136, 2112]$, $[392, 192]$, $[291, 448]$
156. $[1800, 2048]$, $[713, 3072]$, $[3128, 512]$, $[157, 2560]$, $[2172, 3584]$, $[2566, 2304]$, $[2095, 2816]$, $[2676, 1792]$, $[1312, 3200]$, $[2865, 2688]$, $[1547, 3712]$, $[292, 2944]$, $[3698, 1920]$, $[536, 1856]$, $[569, 448]$
157. $[580, 2048]$, $[2153, 3072]$, $[80, 512]$, $[118, 2560]$, $[1130, 1536]$, $[3273, 3584]$, $[3228, 3328]$, $[3180, 2816]$, $[717, 1792]$, $[1714, 3840]$, $[2161, 1664]$, $[1378, 2944]$, $[3254, 2112]$, $[186, 1600]$, $[1295, 3360]$
158. $[712, 2048]$, $[617, 3072]$, $[208, 512]$, $[3434, 2560]$, $[2050, 1536]$, $[1412, 3584]$, $[3133, 3328]$, $[1256, 2816]$, $[2077, 1792]$, $[2566, 3840]$, $[1918, 128]$, $[808, 3200]$, $[3172, 2688]$, $[2455, 576]$, $[909, 3392]$
159. $[1988, 2048]$, $[873, 3072]$, $[2552, 512]$, $[3468, 2560]$, $[1067, 1536]$, $[417, 3584]$, $[734, 2304]$, $[2655, 768]$, $[152, 1792]$, $[1336, 2176]$, $[343, 3712]$, $[1848, 1920]$, $[3639, 2112]$, $[3635, 2880]$, $[1317, 960]$

160. $[1924, 2048]$, $[441, 3072]$, $[292, 512]$, $[3188, 2560]$, $[1370, 1536]$, $[3326, 3584]$, $[2705, 2304]$, $[2651, 3328]$, $[69, 768]$, $[2673, 2816]$, $[752, 1792]$, $[2308, 2176]$, $[1880, 3200]$, $[1896, 2688]$, $[35, 1600]$

161. $[800, 2048]$, $[505, 3072]$, $[3160, 512]$, $[2115, 2560]$, $[3523, 1536]$, $[1529, 3584]$, $[701, 2304]$, $[131, 3328]$, $[2190, 768]$, $[1674, 1792]$, $[3607, 128]$, $[1565, 3200]$, $[335, 2688]$, $[2633, 1664]$, $[3914, 1920]$

162. $[1392, 2048]$, $[645, 3072]$, $[100, 512]$, $[1145, 2560]$, $[3500, 1536]$, $[217, 3584]$, $[3800, 2304]$, $[563, 3328]$, $[2171, 2816]$, $[1404, 128]$, $[3196, 3200]$, $[1803, 1664]$, $[1604, 1408]$, $[381, 3968]$, $[3885, 3904]$

163. $[160, 2048]$, $[2437, 3072]$, $[3156, 512]$, $[3358, 2560]$, $[3476, 3584]$, $[1660, 2304]$, $[2764, 3328]$, $[3212, 2816]$, $[2706, 1792]$, $[104, 3840]$, $[629, 3200]$, $[2981, 576]$, $[3730, 1600]$, $[3885, 704]$, $[2213, 3520]$

164. $[560, 2048]$, $[3013, 3072]$, $[1508, 512]$, $[1100, 2560]$, $[3340, 1536]$, $[478, 3584]$, $[45, 3328]$, $[1217, 768]$, $[3181, 3840]$, $[530, 3200]$, $[820, 1664]$, $[3136, 3968]$, $[281, 1600]$, $[1587, 3648]$, $[2998, 192]$

165. $[48, 2048]$, $[2981, 3072]$, $[2424, 512]$, $[2336, 2560]$, $[494, 1536]$, $[1423, 3584]$, $[2669, 2304]$, $[1278, 2816]$, $[1128, 128]$, $[3922, 1408]$, $[3850, 1600]$, $[1340, 2880]$, $[2566, 704]$, $[1570, 960]$, $[1941, 2080]$

166. $[616, 2048]$, $[2325, 3072]$, $[3556, 512]$, $[226, 2560]$, $[2254, 1536]$, $[87, 2304]$, $[3309, 3328]$, $[2183, 768]$, $[2608, 1792]$, $[1317, 2176]$, $[3163, 1664]$, $[280, 3712]$, $[1965, 2112]$, $[1052, 832]$, $[1063, 2880]$

167. $[1456, 2048]$, $[2997, 3072]$, $[1496, 512]$, $[1443, 2560]$, $[2507, 1536]$, $[1089, 3584]$, $[1245, 2304]$, $[1635, 768]$, $[676, 1792]$, $[2799, 3840]$, $[268, 2176]$, $[520, 3712]$, $[277, 2944]$, $[823, 2880]$, $[2865, 3904]$

168. $[328, 2048]$, $[333, 3072]$, $[3200, 512]$, $[3332, 3584]$, $[3595, 768]$, $[2187, 2816]$, $[2148, 128]$, $[1895, 2176]$, $[1886, 2688]$, $[831, 1664]$, $[3340, 2944]$, $[148, 2112]$, $[2694, 1600]$, $[2321, 3392]$, $[807, 192]$

169. $[1896, 2048]$, $[349, 3072]$, $[2392, 512]$, $[2052, 2560]$, $[3273, 1536]$, $[2425, 3584]$, $[1719, 2304]$, $[3108, 3328]$, $[625, 3840]$, $[540, 128]$, $[1553, 3712]$, $[1888, 2944]$, $[1975, 2112]$, $[185, 3136]$, $[3527, 2720]$

170. $[1860, 2048]$, $[3037, 3072]$, $[3344, 512]$, $[1059, 2560]$, $[1322, 1536]$, $[104, 3584]$, $[2594, 2304]$, $[2217, 1792]$, $[869, 128]$, $[2861, 2688]$, $[1049, 1664]$, $[3618, 3712]$, $[809, 1856]$, $[1559, 3904]$, $[177, 1472]$

171. $[420, 2048]$, $[2307, 3072]$, $[2440, 512]$, $[3226, 2560]$, $[465, 3584]$, $[2796, 1792]$, $[1590, 2176]$, $[2828, 3200]$, $[2629, 3712]$, $[2416, 1408]$, $[76, 3968]$, $[827, 2112]$, $[1435, 576]$, $[184, 1856]$, $[347, 2080]$

172. $[1428, 2048]$, $[2691, 3072]$, $[2296, 512]$, $[2117, 2560]$, $[2351, 1536]$, $[2191, 3584]$, $[1066, 2304]$, $[2789, 768]$, $[109, 2816]$, $[3347, 3200]$, $[2327, 3968]$, $[3503, 2112]$, $[39, 1600]$, $[2588, 1856]$, $[1346, 2080]$

173. $[1888, 2048]$, $[2099, 3072]$, $[40, 512]$, $[713, 2304]$, $[3170, 2816]$, $[3812, 3840]$, $[3599, 128]$, $[1833, 3200]$, $[3926, 2688]$, $[3367, 1664]$, $[1577, 2112]$, $[269, 576]$, $[944, 1856]$, $[1049, 3904]$, $[3627, 704]$

174. $[1328, 2048]$, $[2227, 3072]$, $[1528, 512]$, $[1438, 2560]$, $[1201, 2304]$, $[1058, 3328]$, $[1651, 768]$, $[2230, 1792]$, $[276, 128]$, $[772, 3712]$, $[2344, 2944]$, $[3226, 576]$, $[1675, 1600]$, $[2455, 3648]$, $[3470, 3264]$

175. $[1376, 2048]$, $[2699, 3072]$, $[1092, 512]$, $[3528, 2560]$, $[1237, 1536]$, $[332, 3584]$, $[2201, 3328]$, $[3217, 768]$, $[2683, 2816]$, $[587, 1792]$, $[2125, 128]$, $[2989, 576]$, $[3388, 3648]$, $[3603, 3392]$, $[157, 1984]$

176. $[1956, 2048]$, $[2603, 3072]$, $[1124, 512]$, $[3084, 2560]$, $[3176, 1536]$, $[2509, 3584]$, $[1685, 2304]$, $[548, 3328]$, $[661, 768]$, $[3303, 1792]$, $[1140, 2176]$, $[2651, 1664]$, $[2588, 3712]$, $[2332, 2944]$, $[565, 3904]$

177. $[592, 2048]$, $[811, 3072]$, $[3172, 512]$, $[182, 2560]$, $[2399, 1536]$, $[1305, 3584]$, $[2682, 768]$, $[1549, 2816]$, $[3155, 1792]$, $[3106, 3840]$, $[3593, 2688]$, $[354, 1664]$, $[1714, 2112]$, $[179, 192]$, $[3238, 704]$

178. $[1544, 2048]$, $[619, 3072]$, $[3440, 512]$, $[347, 1536]$, $[3645, 2304]$, $[1733, 768]$, $[1868, 128]$, $[2372, 2176]$, $[3903, 1664]$, $[3711, 2944]$, $[3595, 1920]$, $[1636, 3968]$, $[1692, 3136]$, $[3637, 1600]$, $[3252, 832]$

179. $[1352, 2048]$, $[235, 3072]$, $[3572, 512]$, $[2298, 2560]$, $[1344, 1536]$, $[2687, 2304]$, $[1735, 768]$, $[2164, 2816]$, $[3925, 2176]$, $[795, 3200]$, $[3932, 3712]$, $[3082, 3968]$, $[3209, 2112]$, $[290, 3136]$, $[1826, 2880]$

180. $[1320, 2048]$, $[491, 3072]$, $[2212, 512]$, $[1097, 2560]$, $[1522, 1536]$, $[609, 3328]$, $[703, 2816]$, $[250, 1792]$, $[1781, 3840]$, $[3452, 2176]$, $[2861, 3712]$, $[1406, 1408]$, $[439, 576]$, $[1709, 3392]$, $[2356, 3264]$

181. $[360, 2048]$, $[2203, 3072]$, $[3412, 512]$, $[255, 2560]$, $[2213, 1536]$, $[2497, 3584]$, $[2775, 3328]$, $[3239, 2816]$, $[2134, 1792]$, $[2782, 3840]$, $[1570, 2176]$, $[3915, 2688]$, $[89, 1920]$, $[558, 2368]$, $[3475, 3904]$

182. $[212, 2048]$, $[2267, 3072]$, $[232, 512]$, $[488, 2560]$, $[3411, 1536]$, $[3174, 3584]$, $[141, 3328]$, $[1637, 2816]$, $[705, 1792]$, $[2102, 128]$, $[3387, 1664]$, $[2832, 3712]$, $[3903, 576]$, $[2067, 1312]$, $[2570, 3488]$

183. $[1952, 2048]$, $[955, 3072]$, $[388, 512]$, $[382, 1536]$, $[1160, 3584]$, $[1591, 2304]$, $[100, 3328]$, $[3267, 768]$, $[2570, 2816]$, $[2300, 3840]$, $[2916, 2688]$, $[1375, 3712]$, $[2054, 3968]$, $[1423, 2880]$, $[3910, 3360]$

184. $[968, 2048]$, $[3003, 3072]$, $[1112, 512]$, $[1332, 3584]$, $[2078, 2304]$, $[605, 3328]$, $[52, 768]$, $[1136, 2816]$, $[1635, 1792]$, $[2055, 3840]$, $[584, 2176]$, $[857, 1408]$, $[1420, 3648]$, $[575, 704]$, $[417, 448]$

185. $[1776, 2048]$, $[2311, 3072]$, $[3364, 512]$, $[1180, 1536]$, $[2531, 3584]$, $[192, 3328]$, $[3106, 2816]$, $[1744, 1792]$, $[66, 3840]$, $[2680, 128]$, $[854, 1664]$, $[307, 1408]$, $[355, 2944]$, $[702, 3136]$, $[3158, 2720]$

186. $[1416, 2048]$, $[103, 3072]$, $[2084, 512]$, $[2283, 2560]$, $[399, 1536]$, $[1120, 3584]$, $[1118, 768]$, $[2285, 2816]$, $[2248, 3840]$, $[1864, 3200]$, $[1859, 1920]$, $[3106, 3968]$, $[3742, 3392]$, $[2198, 1472]$, $[986, 3488]$
187. $[1460, 2048]$, $[2327, 3072]$, $[500, 512]$, $[1195, 2560]$, $[1477, 1536]$, $[3438, 3584]$, $[3125, 2304]$, $[2261, 768]$, $[3230, 1792]$, $[2735, 3840]$, $[3630, 128]$, $[1826, 1664]$, $[2912, 3968]$, $[775, 832]$, $[3086, 3488]$
188. $[232, 2048]$, $[567, 3072]$, $[504, 512]$, $[1468, 2560]$, $[3173, 1536]$, $[1250, 3328]$, $[1651, 1792]$, $[1549, 3840]$, $[3172, 2176]$, $[774, 3200]$, $[2125, 3712]$, $[3850, 2944]$, $[3122, 3136]$, $[3468, 832]$, $[2646, 1312]$
189. $[200, 2048]$, $[1015, 3072]$, $[260, 512]$, $[205, 2560]$, $[3269, 1536]$, $[1140, 3584]$, $[2603, 2304]$, $[239, 3328]$, $[236, 768]$, $[1788, 2816]$, $[3218, 1792]$, $[3172, 128]$, $[1392, 3712]$, $[521, 2944]$, $[1099, 3968]$
190. $[1284, 2048]$, $[399, 3072]$, $[3512, 512]$, $[2233, 2560]$, $[1110, 1536]$, $[1548, 2304]$, $[1617, 3328]$, $[1116, 768]$, $[1241, 1792]$, $[2114, 3840]$, $[780, 128]$, $[1604, 2176]$, $[2742, 3136]$, $[172, 832]$, $[1942, 192]$
191. $[976, 2048]$, $[2095, 3072]$, $[2456, 512]$, $[69, 3584]$, $[1030, 2304]$, $[1125, 3328]$, $[1062, 2816]$, $[1256, 1792]$, $[1120, 3840]$, $[2612, 128]$, $[2595, 2688]$, $[2424, 1920]$, $[3739, 2112]$, $[1592, 3648]$, $[2187, 3392]$
192. $[884, 2048]$, $[815, 3072]$, $[1396, 512]$, $[402, 2560]$, $[373, 1536]$, $[1183, 3584]$, $[3669, 2304]$, $[3318, 3328]$, $[1124, 768]$, $[1051, 2688]$, $[97, 3712]$, $[2172, 1920]$, $[2994, 2368]$, $[804, 832]$, $[3477, 4032]$
193. $[1092, 2048]$, $[2591, 3072]$, $[1512, 512]$, $[2246, 2560]$, $[2296, 2304]$, $[231, 3328]$, $[2058, 2816]$, $[559, 1792]$, $[3280, 3840]$, $[3894, 128]$, $[383, 2176]$, $[1561, 3200]$, $[2827, 2944]$, $[1286, 3968]$, $[1574, 3136]$
194. $[680, 2048]$, $[2623, 3072]$, $[3176, 512]$, $[3396, 2560]$, $[2464, 1536]$, $[1353, 3584]$, $[1626, 2304]$, $[3820, 3328]$, $[2298, 768]$, $[2109, 2816]$, $[725, 1792]$, $[3690, 2688]$, $[3595, 2944]$, $[1157, 2112]$, $[1183, 3904]$
195. $[488, 2048]$, $[2548, 3072]$, $[2352, 512]$, $[1289, 2560]$, $[126, 1536]$, $[2063, 3584]$, $[637, 2816]$, $[93, 3200]$, $[1335, 3712]$, $[1617, 1408]$, $[2563, 1920]$, $[2172, 3968]$, $[3756, 3392]$, $[288, 1856]$, $[3125, 4032]$
196. $[1856, 2048]$, $[2344, 3072]$, $[3504, 512]$, $[3384, 2560]$, $[353, 1536]$, $[3552, 3584]$, $[3276, 2304]$, $[2802, 3328]$, $[1695, 3840]$, $[552, 128]$, $[3114, 2944]$, $[1570, 576]$, $[2105, 1600]$, $[952, 2368]$, $[824, 960]$
197. $[244, 2048]$, $[196, 3072]$, $[2160, 512]$, $[482, 2560]$, $[3437, 1536]$, $[3116, 3584]$, $[2095, 2304]$, $[182, 3328]$, $[2121, 768]$, $[1768, 2816]$, $[1056, 1792]$, $[1117, 3840]$, $[2414, 2688]$, $[538, 3968]$, $[1796, 3648]$
198. $[40, 2048]$, $[368, 512]$, $[3336, 2560]$, $[2103, 1536]$, $[3302, 3584]$, $[3807, 3328]$, $[2742, 2816]$, $[2329, 2176]$, $[3089, 1664]$, $[1085, 1408]$, $[1546, 1920]$, $[2833, 3968]$, $[2696, 2368]$, $[2109, 1856]$, $[797, 3232]$
199. $[792, 2048]$, $[40, 3072]$, $[2312, 512]$, $[1771, 2304]$, $[3710, 768]$, $[1634, 2816]$, $[1829, 2176]$, $[514, 2688]$, $[1889, 1664]$, $[2880, 1920]$, $[3329, 2112]$, $[2583, 1600]$, $[1433, 1856]$, $[1675, 3904]$, $[3672, 1056]$
200. $[960, 2048]$, $[2252, 3072]$, $[1128, 512]$, $[2428, 1536]$, $[1379, 3584]$, $[1757, 3328]$, $[2798, 768]$, $[2135, 2816]$, $[61, 1792]$, $[613, 3840]$, $[2637, 2176]$, $[2104, 3200]$, $[172, 2112]$, $[2690, 3904]$, $[519, 192]$
201. $[1664, 2048]$, $[2680, 3072]$, $[3352, 512]$, $[321, 1536]$, $[2143, 3584]$, $[2154, 2304]$, $[3271, 768]$, $[3606, 1792]$, $[2077, 3840]$, $[3607, 2176]$, $[820, 2688]$, $[2157, 1920]$, $[3585, 2112]$, $[2591, 2368]$, $[2960, 1696]$
202. $[756, 2048]$, $[2136, 3072]$, $[1144, 512]$, $[31, 1536]$, $[3434, 3584]$, $[1077, 2304]$, $[1253, 768]$, $[3803, 3840]$, $[124, 2176]$, $[2658, 2688]$, $[1894, 3712]$, $[1101, 2944]$, $[2585, 3136]$, $[1067, 192]$, $[447, 704]$
203. $[640, 2048]$, $[356, 512]$, $[3312, 2560]$, $[2362, 1536]$, $[3210, 3584]$, $[196, 3328]$, $[2647, 2816]$, $[1778, 3840]$, $[3890, 128]$, $[1339, 3712]$, $[3923, 1920]$, $[544, 3968]$, $[2235, 3136]$, $[538, 3648]$, $[2698, 1984]$
204. $[816, 2048]$, $[3008, 3072]$, $[3476, 512]$, $[388, 2560]$, $[2199, 1536]$, $[125, 3584]$, $[3753, 2304]$, $[53, 768]$, $[1638, 2176]$, $[3913, 3200]$, $[2109, 2688]$, $[2841, 2944]$, $[3078, 2112]$, $[811, 1472]$, $[3285, 1056]$
205. $[264, 2048]$, $[624, 3072]$, $[2132, 512]$, $[2435, 1536]$, $[2121, 3584]$, $[2129, 3328]$, $[638, 2816]$, $[3832, 1792]$, $[101, 3840]$, $[3930, 128]$, $[299, 2688]$, $[2391, 3712]$, $[772, 2944]$, $[1699, 3136]$, $[3801, 1312]$
206. $[136, 2048]$, $[1460, 512]$, $[176, 2560]$, $[211, 1536]$, $[2431, 3584]$, $[3783, 3328]$, $[2815, 768]$, $[1078, 2816]$, $[115, 3840]$, $[75, 2176]$, $[3887, 1664]$, $[1799, 2944]$, $[3356, 1920]$, $[2058, 2112]$, $[3994, 2720]$
207. $[272, 2048]$, $[1140, 512]$, $[2448, 2560]$, $[323, 1536]$, $[3239, 3584]$, $[633, 3328]$, $[66, 768]$, $[2586, 3840]$, $[862, 128]$, $[3447, 2176]$, $[3330, 1920]$, $[821, 3648]$, $[1671, 832]$, $[1850, 1856]$, $[548, 704]$
208. $[76, 2048]$, $[2456, 3072]$, $[3340, 512]$, $[2332, 2560]$, $[1326, 1536]$, $[1080, 3584]$, $[3223, 3328]$, $[3296, 768]$, $[3714, 1792]$, $[1101, 3840]$, $[1374, 2176]$, $[3426, 2688]$, $[13, 2368]$, $[2955, 3392]$, $[1673, 1312]$
209. $[1072, 2048]$, $[2448, 3072]$, $[2124, 512]$, $[2530, 2560]$, $[317, 1536]$, $[3292, 3584]$, $[2079, 2304]$, $[43, 768]$, $[3754, 1792]$, $[3822, 3840]$, $[3700, 128]$, $[1539, 2176]$, $[3922, 2688]$, $[3180, 3968]$, $[1574, 832]$
210. $[1168, 2048]$, $[300, 512]$, $[344, 2560]$, $[3354, 1536]$, $[2327, 3584]$, $[29, 2304]$, $[3213, 768]$, $[82, 1792]$, $[580, 128]$, $[2090, 2688]$, $[3843, 3968]$, $[141, 3648]$, $[3765, 2368]$, $[3854, 832]$, $[2983, 1472]$
211. $[240, 2048]$, $[3372, 512]$, $[232, 2560]$, $[2122, 1536]$, $[2495, 3584]$, $[565, 2304]$, $[162, 3328]$, $[248, 2816]$, $[251, 3840]$, $[618, 128]$, $[542, 3200]$, $[2877, 3712]$, $[1622, 1408]$, $[1941, 832]$, $[55, 192]$

212. $[1480, 2048]$, $[856, 3072]$, $[1196, 512]$, $[3381, 2560]$, $[2211, 1536]$, $[2520, 3584]$, $[139, 2304]$, $[1268, 2816]$, $[617, 128]$, $[3602, 3200]$, $[1604, 2688]$, $[303, 1408]$, $[3426, 3968]$, $[134, 3904]$, $[3252, 4032]$

213. $[192, 2048]$, $[1388, 512]$, $[2200, 2560]$, $[2241, 1536]$, $[2567, 2304]$, $[1603, 768]$, $[133, 2816]$, $[2208, 1792]$, $[3202, 3840]$, $[3877, 1920]$, $[2708, 2112]$, $[1312, 3136]$, $[2487, 1600]$, $[3115, 1856]$, $[1039, 3520]$

214. $[716, 2048]$, $[664, 3072]$, $[1026, 512]$, $[497, 2560]$, $[191, 1536]$, $[3281, 3584]$, $[2611, 768]$, $[677, 2816]$, $[710, 1792]$, $[791, 2176]$, $[82, 1664]$, $[872, 1408]$, $[2206, 3392]$, $[2460, 3520]$, $[25, 1984]$

215. $[1656, 2048]$, $[708, 3072]$, $[1410, 512]$, $[2496, 2560]$, $[11, 3584]$, $[1089, 2304]$, $[1685, 1792]$, $[2585, 3200]$, $[3707, 2688]$, $[3907, 1664]$, $[3618, 1408]$, $[1852, 3968]$, $[803, 1600]$, $[1545, 3392]$, $[1479, 2592]$

216. $[1504, 2048]$, $[2436, 3072]$, $[2066, 512]$, $[2474, 1536]$, $[185, 3584]$, $[1676, 2304]$, $[3220, 3328]$, $[1134, 2816]$, $[570, 1792]$, $[2195, 3840]$, $[3711, 3200]$, $[1043, 3712]$, $[1139, 1408]$, $[561, 1600]$, $[318, 3520]$

217. $[1264, 2048]$, $[2760, 3072]$, $[3410, 512]$, $[2455, 2560]$, $[1267, 3584]$, $[2199, 3328]$, $[196, 768]$, $[1777, 2816]$, $[3114, 1792]$, $[1656, 2176]$, $[2423, 2944]$, $[797, 2112]$, $[396, 3648]$, $[3226, 3392]$, $[3618, 960]$

218. $[608, 2048]$, $[300, 3072]$, $[1386, 512]$, $[1294, 2560]$, $[2514, 3584]$, $[674, 2304]$, $[701, 3328]$, $[646, 768]$, $[1674, 2816]$, $[2600, 1792]$, $[3848, 128]$, $[3850, 3200]$, $[3880, 2688]$, $[1848, 1664]$, $[3856, 1984]$

219. $[1152, 2048]$, $[2928, 3072]$, $[3562, 512]$, $[366, 1536]$, $[1234, 3584]$, $[3680, 768]$, $[344, 128]$, $[3676, 2176]$, $[3451, 2688]$, $[1606, 1664]$, $[3114, 1408]$, $[3334, 3136]$, $[3756, 3648]$, $[3627, 2368]$, $[3401, 3104]$

220. $[1964, 2048]$, $[2064, 3072]$, $[186, 512]$, $[1092, 2560]$, $[2115, 1536]$, $[280, 3584]$, $[3264, 3328]$, $[537, 3840]$, $[3657, 128]$, $[96, 3200]$, $[39, 2944]$, $[2993, 3136]$, $[1063, 3648]$, $[1077, 3520]$, $[3868, 960]$

221. $[1920, 2048]$, $[3142, 512]$, $[264, 2560]$, $[2723, 2304]$, $[1659, 3328]$, $[3278, 768]$, $[3833, 2816]$, $[671, 1792]$, $[1644, 128]$, $[3083, 2688]$, $[347, 3712]$, $[3594, 2112]$, $[570, 3648]$, $[2606, 1856]$, $[2706, 3520]$

222. $[840, 2048]$, $[792, 3072]$, $[2534, 512]$, $[470, 2560]$, $[1225, 1536]$, $[3547, 3584]$, $[2625, 2304]$, $[3105, 3840]$, $[322, 2688]$, $[1135, 1664]$, $[2897, 2944]$, $[1063, 3136]$, $[1935, 576]$, $[2482, 3648]$, $[437, 192]$

223. $[440, 2048]$, $[808, 3072]$, $[3094, 512]$, $[3419, 2560]$, $[419, 1536]$, $[3582, 3584]$, $[3126, 2304]$, $[3787, 3328]$, $[3829, 768]$, $[2215, 1792]$, $[3143, 3200]$, $[1597, 576]$, $[3460, 832]$, $[2442, 960]$, $[1095, 2976]$

224. $[1600, 2048]$, $[182, 512]$, $[360, 2560]$, $[2329, 1536]$, $[2173, 3584]$, $[1174, 2304]$, $[104, 3328]$, $[3176, 768]$, $[3809, 2816]$, $[3317, 3840]$, $[2316, 2176]$, $[1548, 2688]$, $[1865, 1408]$, $[912, 2368]$, $[391, 2880]$

225. $[320, 2048]$, $[2096, 3072]$, $[502, 512]$, $[332, 2560]$, $[179, 3328]$, $[1137, 768]$, $[3099, 1792]$, $[3816, 3840]$, $[3182, 128]$, $[3888, 2176]$, $[2172, 2688]$, $[2599, 1664]$, $[1118, 3712]$, $[1655, 2944]$, $[1711, 2576]$

226. $[1200, 2048]$, $[78, 512]$, $[3120, 2560]$, $[75, 1536]$, $[3507, 3584]$, $[641, 2304]$, $[1590, 3328]$, $[207, 768]$, $[1176, 1792]$, $[3741, 3840]$, $[3433, 128]$, $[1062, 2176]$, $[2098, 1664]$, $[1931, 2112]$, $[3122, 1856]$

227. $[408, 2048]$, $[334, 512]$, $[464, 2560]$, $[1393, 3584]$, $[3668, 3328]$, $[2254, 768]$, $[2123, 2816]$, $[3602, 128]$, $[3145, 2176]$, $[3373, 3200]$, $[3416, 2688]$, $[2863, 1920]$, $[2606, 3136]$, $[391, 3392]$, $[2439, 704]$

228. $[780, 2048]$, $[312, 3072]$, $[350, 512]$, $[3150, 2560]$, $[395, 1536]$, $[1298, 3584]$, $[1079, 2304]$, $[2749, 2816]$, $[616, 3840]$, $[1559, 128]$, $[2615, 2112]$, $[2705, 2368]$, $[288, 3904]$, $[2340, 3264]$, $[136, 448]$

229. $[116, 2048]$, $[2392, 3072]$, $[3326, 512]$, $[492, 2560]$, $[2322, 1536]$, $[1455, 3584]$, $[1699, 768]$, $[1613, 2816]$, $[1216, 1792]$, $[309, 128]$, $[2638, 2176]$, $[118, 1408]$, $[2365, 1600]$, $[2602, 2368]$, $[2572, 3232]$

230. $[1720, 2048]$, $[2140, 3072]$, $[2049, 512]$, $[1334, 2560]$, $[1396, 1536]$, $[1188, 2304]$, $[649, 3328]$, $[111, 768]$, $[3175, 2816]$, $[129, 1792]$, $[766, 3840]$, $[2681, 128]$, $[2646, 3712]$, $[59, 3136]$, $[3345, 3648]$

231. $[56, 2048]$, $[33, 512]$, $[2248, 2560]$, $[3490, 1536]$, $[3088, 3584]$, $[1780, 3328]$, $[2776, 768]$, $[1073, 2816]$, $[1351, 128]$, $[870, 1408]$, $[790, 3968]$, $[641, 2112]$, $[392, 576]$, $[1310, 192]$, $[3862, 960]$

232. $[1112, 2048]$, $[2072, 3072]$, $[2337, 512]$, $[1032, 2560]$, $[509, 1536]$, $[2656, 768]$, $[1135, 1792]$, $[278, 128]$, $[2322, 2176]$, $[1879, 2688]$, $[1820, 1920]$, $[3399, 3968]$, $[3731, 2112]$, $[2965, 2368]$, $[3673, 3360]$

233. $[168, 2048]$, $[2376, 3072]$, $[3345, 512]$, $[2300, 1536]$, $[1029, 3584]$, $[545, 2304]$, $[3217, 3840]$, $[3404, 128]$, $[3927, 2176]$, $[2648, 1408]$, $[3851, 2944]$, $[3612, 3968]$, $[1033, 2368]$, $[3116, 3904]$, $[282, 3360]$

234. $[824, 2048]$, $[2084, 3072]$, $[305, 512]$, $[97, 2560]$, $[1203, 3584]$, $[2741, 2304]$, $[570, 3328]$, $[2643, 768]$, $[1126, 2816]$, $[3278, 1792]$, $[1562, 3200]$, $[3173, 2688]$, $[1407, 1664]$, $[2878, 3392]$, $[3970, 3904]$

235. $[72, 2048]$, $[2496, 3072]$, $[3465, 512]$, $[21, 2560]$, $[1087, 2816]$, $[3243, 1792]$, $[3308, 3840]$, $[122, 128]$, $[1662, 1664]$, $[884, 3712]$, $[279, 1408]$, $[1041, 3968]$, $[2972, 832]$, $[1196, 2880]$, $[3774, 4032]$

236. $[1008, 2048]$, $[2728, 3072]$, $[2377, 512]$, $[2158, 1536]$, $[3437, 3584]$, $[3837, 2304]$, $[3210, 3328]$, $[2622, 2816]$, $[643, 1792]$, $[574, 3840]$, $[2616, 128]$, $[3600, 2176]$, $[362, 1664]$, $[316, 3968]$, $[2194, 960]$

237. $[568, 2048]$, $[2256, 3072]$, $[1321, 512]$, $[2510, 1536]$, $[3214, 3584]$, $[1542, 2304]$, $[2612, 2816]$, $[2126, 1792]$, $[2846, 2176]$, $[3854, 1664]$, $[3180, 2944]$, $[1421, 2112]$, $[1599, 3136]$, $[3898, 832]$, $[2698, 3104]$

238. $[1640, 2048]$, $[2596, 3072]$, $[2153, 512]$, $[282, 2560]$, $[2556, 3584]$, $[1790, 2304]$, $[3147, 3328]$, $[1197, 768]$, $[1694, 2816]$, $[614, 2176]$, $[2857, 2688]$, $[1406, 3968]$, $[34, 1856]$, $[1161, 704]$, $[3286, 2720]$
239. $[1128, 2048]$, $[348, 3072]$, $[361, 512]$, $[1420, 2560]$, $[2093, 1536]$, $[1218, 2304]$, $[2670, 3328]$, $[2075, 768]$, $[3737, 1792]$, $[611, 2176]$, $[871, 2688]$, $[520, 1664]$, $[3932, 1408]$, $[1290, 3136]$, $[3223, 960]$
240. $[392, 2048]$, $[3333, 512]$, $[1512, 2560]$, $[29, 1536]$, $[463, 3584]$, $[1781, 3328]$, $[3082, 768]$, $[91, 1792]$, $[3093, 128]$, $[1403, 2176]$, $[3699, 1408]$, $[1030, 2112]$, $[2087, 3136]$, $[1938, 3648]$, $[1542, 1984]$
241. $[1360, 2048]$, $[2504, 3072]$, $[1413, 512]$, $[255, 1536]$, $[232, 3584]$, $[2130, 2304]$, $[514, 3328]$, $[231, 2816]$, $[2225, 1792]$, $[1076, 2176]$, $[45, 3200]$, $[3606, 2688]$, $[3137, 2944]$, $[535, 576]$, $[941, 3520]$
242. $[1380, 2048]$, $[2856, 3072]$, $[325, 512]$, $[1477, 2560]$, $[2371, 1536]$, $[3496, 3584]$, $[3286, 2304]$, $[3618, 3328]$, $[517, 3840]$, $[1031, 2176]$, $[73, 3200]$, $[2395, 2944]$, $[2957, 3648]$, $[1197, 960]$, $[2640, 1312]$
243. $[524, 2048]$, $[2676, 3072]$, $[2245, 512]$, $[364, 2560]$, $[2221, 1536]$, $[2547, 3584]$, $[711, 2304]$, $[1689, 3328]$, $[2778, 2816]$, $[639, 2176]$, $[2311, 1408]$, $[411, 1600]$, $[1691, 2368]$, $[2446, 2592]$, $[473, 608]$
244. $[1584, 2048]$, $[2576, 3072]$, $[1125, 512]$, $[3313, 1536]$, $[1494, 3584]$, $[2213, 2304]$, $[3134, 768]$, $[3172, 2816]$, $[62, 1792]$, $[1212, 3840]$, $[1863, 2176]$, $[1402, 2688]$, $[2130, 1920]$, $[3643, 2112]$, $[3768, 1856]$
245. $[784, 2048]$, $[676, 3072]$, $[2325, 512]$, $[2178, 2560]$, $[1064, 1536]$, $[3551, 3584]$, $[3618, 2304]$, $[2116, 1792]$, $[639, 3840]$, $[1639, 2176]$, $[1039, 3200]$, $[3147, 1408]$, $[1909, 2944]$, $[2342, 2112]$, $[1056, 1472]$
246. $[424, 2048]$, $[3052, 3072]$, $[2197, 512]$, $[2321, 2560]$, $[3340, 3584]$, $[2803, 2304]$, $[3211, 2816]$, $[758, 3840]$, $[1908, 128]$, $[1878, 2176]$, $[2402, 1408]$, $[2073, 2944]$, $[657, 2112]$, $[3375, 3136]$, $[1951, 1600]$
247. $[872, 2048]$, $[3056, 3072]$, $[2229, 512]$, $[3444, 2560]$, $[3346, 1536]$, $[1564, 3328]$, $[2279, 2816]$, $[3082, 1792]$, $[534, 3840]$, $[101, 128]$, $[1912, 3200]$, $[3902, 3712]$, $[1835, 2944]$, $[2122, 1920]$, $[3382, 3392]$
248. $[620, 2048]$, $[2280, 3072]$, $[3253, 512]$, $[3569, 2560]$, $[1230, 1536]$, $[3380, 3584]$, $[3831, 3328]$, $[712, 768]$, $[752, 2816]$, $[3760, 3840]$, $[3331, 1408]$, $[527, 3136]$, $[3103, 576]$, $[1453, 832]$, $[1433, 2880]$
249. $[344, 2048]$, $[2580, 3072]$, $[1037, 512]$, $[3535, 2560]$, $[3449, 1536]$, $[1060, 3584]$, $[1058, 2304]$, $[3153, 2816]$, $[580, 3840]$, $[373, 2176]$, $[2144, 3200]$, $[383, 2688]$, $[2104, 2944]$, $[181, 1600]$, $[2962, 1984]$
250. $[632, 2048]$, $[2632, 3072]$, $[397, 512]$, $[3183, 2560]$, $[3247, 1536]$, $[452, 3584]$, $[3257, 3328]$, $[3243, 768]$, $[3364, 2176]$, $[2884, 1664]$, $[3116, 2944]$, $[1564, 3968]$, $[2184, 576]$, $[2492, 2368]$, $[202, 2592]$
251. $[944, 2048]$, $[116, 3072]$, $[3245, 512]$, $[298, 1536]$, $[2483, 3584]$, $[3593, 3328]$, $[3796, 768]$, $[2271, 2816]$, $[1027, 3840]$, $[87, 3200]$, $[41, 2688]$, $[3181, 1664]$, $[1049, 1408]$, $[513, 3968]$, $[1084, 3904]$
252. $[520, 2048]$, $[2600, 3072]$, $[3523, 512]$, $[2334, 2560]$, $[3268, 1536]$, $[1512, 3584]$, $[1608, 768]$, $[3285, 1792]$, $[1140, 3840]$, $[2565, 3200]$, $[3161, 3712]$, $[3910, 1408]$, $[1065, 3968]$, $[688, 3136]$, $[433, 2368]$
253. $[964, 2048]$, $[2348, 3072]$, $[2339, 512]$, $[2329, 2560]$, $[254, 3584]$, $[1126, 3328]$, $[3791, 768]$, $[3673, 2816]$, $[3894, 1664]$, $[2657, 3712]$, $[3433, 2944]$, $[3162, 3968]$, $[3354, 576]$, $[1077, 2880]$, $[2865, 3264]$
254. $[1508, 2048]$, $[2564, 3072]$, $[419, 512]$, $[1330, 2560]$, $[2407, 1536]$, $[441, 3584]$, $[2188, 2304]$, $[3209, 768]$, $[1275, 2816]$, $[3858, 2176]$, $[1379, 3200]$, $[2143, 1664]$, $[3692, 3968]$, $[2709, 1856]$, $[1840, 448]$
255. $[2004, 2048]$, $[152, 3072]$, $[2387, 512]$, $[2160, 2560]$, $[1310, 1536]$, $[1265, 3584]$, $[1101, 2304]$, $[3803, 768]$, $[1097, 2816]$, $[772, 128]$, $[1538, 2176]$, $[2334, 2688]$, $[1544, 1664]$, $[3957, 3968]$, $[3154, 416]$
256. $[984, 2048]$, $[776, 3072]$, $[1331, 512]$, $[135, 2560]$, $[1433, 1536]$, $[501, 3584]$, $[2190, 2304]$, $[1596, 3328]$, $[2246, 768]$, $[202, 2816]$, $[1245, 1792]$, $[2741, 3840]$, $[658, 2880]$, $[2945, 1472]$, $[2774, 2080]$
257. $[728, 2048]$, $[224, 3072]$, $[3179, 512]$, $[2105, 3584]$, $[3763, 2304]$, $[2808, 3328]$, $[3309, 768]$, $[3085, 1792]$, $[2365, 2688]$, $[2108, 3712]$, $[41, 2944]$, $[2561, 3968]$, $[2831, 3136]$, $[547, 2368]$, $[310, 3904]$
258. $[1292, 2048]$, $[2340, 3072]$, $[2139, 512]$, $[466, 2560]$, $[1435, 1536]$, $[379, 3584]$, $[3822, 2304]$, $[1087, 768]$, $[53, 2816]$, $[198, 3840]$, $[2130, 2176]$, $[107, 3200]$, $[2916, 1408]$, $[170, 3136]$, $[3928, 1056]$
259. $[36, 2048]$, $[3291, 512]$, $[1048, 2560]$, $[3265, 3584]$, $[1198, 2304]$, $[2701, 3328]$, $[3603, 1792]$, $[1771, 3840]$, $[3414, 128]$, $[3164, 2688]$, $[830, 1664]$, $[3116, 1600]$, $[3994, 3648]$, $[2196, 2368]$, $[2207, 1312]$
260. $[248, 2048]$, $[328, 3072]$, $[3259, 512]$, $[390, 2560]$, $[1040, 1536]$, $[459, 3584]$, $[1171, 768]$, $[3287, 2816]$, $[2385, 128]$, $[310, 2688]$, $[381, 1664]$, $[1874, 2944]$, $[1573, 1600]$, $[1463, 960]$, $[1621, 3744]$
261. $[1164, 2048]$, $[2066, 3072]$, $[263, 512]$, $[1202, 2560]$, $[1181, 1536]$, $[2168, 3584]$, $[1661, 2304]$, $[3697, 3328]$, $[3094, 768]$, $[3279, 2816]$, $[3638, 1792]$, $[2574, 3840]$, $[1896, 128]$, $[3129, 1664]$, $[3333, 3712]$
262. $[904, 2048]$, $[120, 3072]$, $[3367, 512]$, $[2299, 2560]$, $[3206, 1536]$, $[2109, 3584]$, $[1042, 3328]$, $[119, 768]$, $[646, 2816]$, $[378, 128]$, $[1137, 2688]$, $[1805, 1664]$, $[636, 1408]$, $[2068, 576]$, $[6, 1600]$
263. $[156, 2048]$, $[528, 3072]$, $[103, 512]$, $[471, 2560]$, $[3462, 3584]$, $[75, 2304]$, $[3152, 3328]$, $[2687, 768]$, $[2597, 3840]$, $[803, 128]$, $[2603, 2176]$, $[3093, 2688]$, $[1798, 3712]$, $[1486, 3232]$, $[797, 416]$

264. $[290, 2048]$, $[2792, 3072]$, $[1303, 512]$, $[2517, 1536]$, $[428, 3584]$, $[3826, 2304]$, $[1540, 768]$, $[1614, 2816]$, $[104, 1792]$, $[1135, 3840]$, $[603, 128]$, $[522, 2176]$, $[3864, 3968]$, $[2716, 832]$, $[3475, 2880]$
265. $[1672, 2048]$, $[2316, 3072]$, $[3351, 512]$, $[1316, 2560]$, $[222, 1536]$, $[1052, 2304]$, $[2810, 768]$, $[3829, 2816]$, $[1541, 2688]$, $[91, 3968]$, $[3513, 2112]$, $[2572, 3136]$, $[1457, 3648]$, $[551, 1856]$, $[475, 3360]$
266. $[696, 2048]$, $[1271, 512]$, $[2416, 2560]$, $[582, 2304]$, $[2756, 3328]$, $[1670, 768]$, $[618, 3840]$, $[109, 2176]$, $[2115, 3712]$, $[3635, 1408]$, $[3597, 1920]$, $[421, 2112]$, $[1038, 3136]$, $[3263, 704]$, $[2460, 2720]$
267. $[1384, 2048]$, $[496, 3072]$, $[1167, 512]$, $[3227, 2560]$, $[2156, 1536]$, $[1115, 3584]$, $[1697, 2304]$, $[584, 768]$, $[1187, 2816]$, $[3802, 1792]$, $[790, 2688]$, $[1548, 3712]$, $[104, 1920]$, $[410, 2880]$, $[560, 1472]$
268. $[2002, 2048]$, $[100, 3072]$, $[2127, 512]$, $[283, 2560]$, $[1145, 1536]$, $[2223, 3584]$, $[739, 2304]$, $[2096, 2816]$, $[2319, 128]$, $[3702, 2688]$, $[327, 3712]$, $[1832, 1408]$, $[3674, 1920]$, $[1851, 2112]$, $[2257, 3360]$
269. $[1528, 2048]$, $[848, 3072]$, $[1487, 512]$, $[3144, 2560]$, $[2073, 2304]$, $[199, 3328]$, $[2745, 768]$, $[656, 2816]$, $[880, 128]$, $[3125, 2688]$, $[1053, 1408]$, $[1889, 1920]$, $[1159, 3392]$, $[3738, 3520]$, $[2225, 1984]$
270. $[372, 2048]$, $[2200, 3072]$, $[1183, 512]$, $[3286, 2560]$, $[365, 1536]$, $[464, 3584]$, $[553, 2304]$, $[2219, 1792]$, $[3166, 1664]$, $[548, 3712]$, $[3938, 1408]$, $[2075, 2944]$, $[330, 1920]$, $[2867, 2112]$, $[3999, 3648]$
271. $[1192, 2048]$, $[3423, 512]$, $[3496, 2560]$, $[3181, 1536]$, $[2055, 3584]$, $[88, 2304]$, $[3669, 3328]$, $[1679, 768]$, $[3255, 2816]$, $[2843, 3200]$, $[2385, 1408]$, $[3147, 2944]$, $[3445, 1920]$, $[1111, 3968]$, $[1845, 960]$
272. $[1796, 2048]$, $[2612, 3072]$, $[511, 512]$, $[36, 2560]$, $[2735, 3328]$, $[3197, 768]$, $[2727, 2816]$, $[627, 1792]$, $[3393, 128]$, $[823, 2176]$, $[1560, 3200]$, $[1331, 1408]$, $[308, 1920]$, $[1587, 3968]$, $[2572, 3264]$
273. $[1976, 2048]$, $[2528, 3072]$, $[2464, 2560]$, $[2129, 1536]$, $[1607, 3328]$, $[2133, 2816]$, $[531, 128]$, $[3633, 2176]$, $[1842, 2688]$, $[3197, 1664]$, $[3334, 1408]$, $[2826, 2944]$, $[1162, 2112]$, $[131, 4032]$, $[2324, 1248]$
274. $[1272, 2048]$, $[2952, 3072]$, $[3542, 512]$, $[144, 2560]$, $[1612, 768]$, $[3737, 2816]$, $[3310, 3840]$, $[1617, 128]$, $[1825, 2688]$, $[2139, 1664]$, $[542, 2944]$, $[1387, 3968]$, $[2323, 1856]$, $[1540, 3904]$, $[3457, 448]$
275. $[584, 2048]$, $[408, 3072]$, $[154, 512]$, $[1488, 2560]$, $[2067, 1536]$, $[2471, 3584]$, $[1757, 2304]$, $[1158, 3328]$, $[2665, 128]$, $[793, 3712]$, $[1203, 576]$, $[3336, 3648]$, $[2818, 2368]$, $[1500, 1312]$, $[1226, 2144]$
276. $[1668, 2048]$, $[836, 3072]$, $[1178, 512]$, $[1456, 2560]$, $[1252, 3584]$, $[2657, 2304]$, $[1168, 3328]$, $[2796, 2816]$, $[638, 1792]$, $[1066, 3200]$, $[2942, 3712]$, $[795, 1408]$, $[3859, 1920]$, $[3225, 576]$, $[3018, 1056]$
277. $[1992, 2048]$, $[2284, 3072]$, $[368, 2560]$, $[2082, 1536]$, $[237, 3328]$, $[1785, 768]$, $[1689, 3840]$, $[371, 128]$, $[1577, 3200]$, $[305, 1664]$, $[3649, 3968]$, $[3475, 576]$, $[62, 1600]$, $[534, 2368]$, $[2969, 704]$
278. $[1476, 2048]$, $[2900, 3072]$, $[3514, 512]$, $[1288, 2560]$, $[1226, 1536]$, $[1705, 2304]$, $[1716, 3328]$, $[1238, 768]$, $[2260, 2816]$, $[2071, 3840]$, $[2595, 128]$, $[33, 2688]$, $[2094, 1408]$, $[1967, 3648]$, $[2960, 832]$
279. $[1572, 2048]$, $[2188, 3072]$, $[1480, 2560]$, $[280, 1536]$, $[1112, 3584]$, $[1662, 3328]$, $[1077, 2816]$, $[1116, 1792]$, $[2886, 128]$, $[3158, 2176]$, $[2359, 3200]$, $[1567, 2688]$, $[3657, 2944]$, $[775, 576]$, $[3215, 2368]$
280. $[1228, 2048]$, $[2800, 3072]$, $[3484, 512]$, $[2408, 2560]$, $[2076, 3584]$, $[681, 2304]$, $[2690, 3328]$, $[538, 2816]$, $[166, 1792]$, $[1131, 2176]$, $[3693, 1664]$, $[2868, 2944]$, $[3594, 576]$, $[2582, 192]$, $[536, 1472]$
281. $[1172, 2048]$, $[452, 3072]$, $[1057, 512]$, $[1208, 2560]$, $[1092, 1536]$, $[3447, 3584]$, $[1224, 2304]$, $[1618, 3328]$, $[65, 1792]$, $[3919, 1664]$, $[2631, 3712]$, $[3639, 1920]$, $[1824, 3968]$, $[1598, 3392]$, $[1189, 1856]$
282. $[1616, 2048]$, $[72, 3072]$, $[3320, 512]$, $[1144, 2560]$, $[3089, 3584]$, $[2251, 2304]$, $[1099, 2816]$, $[3174, 3840]$, $[2836, 2688]$, $[2882, 3712]$, $[2658, 2944]$, $[826, 1920]$, $[574, 2112]$, $[2602, 1600]$, $[470, 2464]$
283. $[1948, 2048]$, $[804, 3072]$, $[2081, 512]$, $[376, 2560]$, $[3306, 1536]$, $[2749, 2304]$, $[1110, 768]$, $[3839, 2816]$, $[3125, 1792]$, $[2356, 2176]$, $[1292, 3200]$, $[1585, 2688]$, $[3631, 1920]$, $[2855, 3648]$, $[1448, 1984]$
284. $[1040, 2048]$, $[308, 3072]$, $[459, 512]$, $[1444, 2560]$, $[1185, 1536]$, $[1395, 3584]$, $[3742, 3328]$, $[737, 3840]$, $[605, 2176]$, $[1659, 3200]$, $[776, 1664]$, $[34, 3712]$, $[3646, 2944]$, $[3887, 3968]$, $[2594, 3648]$
285. $[1016, 2048]$, $[2244, 3072]$, $[1047, 512]$, $[356, 2560]$, $[3348, 1536]$, $[3250, 2304]$, $[3126, 3328]$, $[3790, 1792]$, $[630, 3840]$, $[1031, 128]$, $[1630, 2176]$, $[844, 2688]$, $[2864, 1664]$, $[1942, 3136]$, $[1668, 1600]$
286. $[4, 2048]$, $[548, 3072]$, $[1428, 2560]$, $[2392, 1536]$, $[3442, 3584]$, $[2196, 2304]$, $[2103, 3328]$, $[3282, 1792]$, $[1107, 3840]$, $[634, 2176]$, $[3134, 2688]$, $[1558, 3712]$, $[438, 3648]$, $[2235, 3264]$, $[2094, 1984]$
287. $[196, 2048]$, $[2936, 3072]$, $[3540, 2560]$, $[2306, 1536]$, $[385, 3584]$, $[2586, 2304]$, $[3287, 3328]$, $[679, 768]$, $[3683, 1792]$, $[3654, 2176]$, $[1637, 3200]$, $[261, 2688]$, $[3908, 1664]$, $[1823, 2880]$, $[311, 192]$
288. $[280, 2048]$, $[2076, 3072]$, $[364, 512]$, $[3508, 2560]$, $[1483, 1536]$, $[3287, 3584]$, $[95, 3328]$, $[3150, 768]$, $[647, 1792]$, $[1749, 3840]$, $[523, 2688]$, $[2151, 1664]$, $[1568, 3968]$, $[2438, 3648]$, $[2876, 3264]$
289. $[848, 2048]$, $[2444, 3072]$, $[76, 2560]$, $[1296, 1536]$, $[3334, 3584]$, $[2055, 2304]$, $[2263, 1792]$, $[1041, 3840]$, $[1118, 128]$, $[2324, 2176]$, $[3408, 1408]$, $[3707, 2944]$, $[2978, 832]$, $[3332, 3904]$, $[835, 1824]$

290. $[1506, 2048]$, $[80, 3072]$, $[1215, 512]$, $[3548, 2560]$, $[2455, 1536]$, $[2207, 2304]$, $[2146, 3328]$, $[1053, 2816]$, $[3822, 1792]$, $[1790, 3840]$, $[575, 2176]$, $[3174, 3968]$, $[2358, 3648]$, $[2319, 832]$, $[2247, 1312]$

291. $[1124, 2048]$, $[88, 3072]$, $[1084, 2560]$, $[1292, 1536]$, $[2418, 3584]$, $[551, 2304]$, $[3155, 3328]$, $[2757, 768]$, $[631, 2816]$, $[1091, 2176]$, $[2616, 2688]$, $[1652, 1408]$, $[3124, 3136]$, $[2995, 3648]$, $[1060, 3520]$

292. $[2024, 2048]$, $[520, 3072]$, $[188, 2560]$, $[83, 2304]$, $[1145, 3328]$, $[221, 768]$, $[26, 3840]$, $[57, 128]$, $[355, 2176]$, $[2141, 3200]$, $[3149, 2688]$, $[851, 1664]$, $[1881, 1408]$, $[2308, 3520]$, $[1943, 3168]$

293. $[1412, 2048]$, $[962, 3072]$, $[1116, 512]$, $[3458, 2560]$, $[1277, 3584]$, $[3175, 2304]$, $[3157, 3328]$, $[3697, 768]$, $[3722, 2816]$, $[3692, 1792]$, $[2356, 128]$, $[1660, 2176]$, $[2107, 3712]$, $[2625, 1408]$, $[2826, 2112]$

294. $[996, 2048]$, $[1500, 512]$, $[450, 2560]$, $[68, 1536]$, $[1199, 3584]$, $[572, 3328]$, $[3227, 2816]$, $[564, 1792]$, $[313, 2176]$, $[291, 3200]$, $[2943, 2688]$, $[3895, 2944]$, $[526, 3968]$, $[1794, 576]$, $[3753, 2368]$

295. $[1828, 2048]$, $[2722, 3072]$, $[1102, 512]$, $[2210, 2560]$, $[296, 1536]$, $[2276, 3584]$, $[1053, 2304]$, $[3160, 2176]$, $[2160, 2688]$, $[93, 1664]$, $[3687, 1408]$, $[2851, 576]$, $[3902, 3648]$, $[1197, 3392]$, $[3614, 3904]$

296. $[432, 2048]$, $[2372, 3072]$, $[3218, 2560]$, $[2049, 1536]$, $[3304, 3584]$, $[1538, 2304]$, $[1047, 3328]$, $[26, 768]$, $[1137, 1792]$, $[1059, 3200]$, $[3332, 1408]$, $[1134, 2944]$, $[1316, 1920]$, $[525, 3136]$, $[2262, 2592]$

297. $[88, 2048]$, $[2904, 3072]$, $[2130, 2560]$, $[3180, 3584]$, $[1278, 2304]$, $[2207, 3328]$, $[2191, 768]$, $[145, 2816]$, $[1194, 3840]$, $[3633, 128]$, $[3892, 3200]$, $[369, 1664]$, $[627, 2944]$, $[519, 1920]$, $[3247, 3136]$

298. $[1704, 2048]$, $[2524, 3072]$, $[266, 512]$, $[3154, 2560]$, $[510, 1536]$, $[3238, 3584]$, $[3606, 2304]$, $[1231, 2816]$, $[558, 128]$, $[796, 2688]$, $[2348, 3712]$, $[3512, 2112]$, $[1559, 3136]$, $[950, 576]$, $[2566, 3104]$

299. $[1652, 2048]$, $[2296, 3072]$, $[2399, 512]$, $[3410, 2560]$, $[277, 1536]$, $[1147, 3584]$, $[3765, 2304]$, $[1165, 3328]$, $[3223, 1792]$, $[3188, 2944]$, $[1892, 3968]$, $[1819, 3136]$, $[2443, 1856]$, $[174, 192]$, $[3601, 1696]$

300. $[388, 2048]$, $[2820, 3072]$, $[3318, 512]$, $[2258, 2560]$, $[1468, 1536]$, $[3115, 2304]$, $[1256, 3328]$, $[1777, 768]$, $[1658, 2816]$, $[534, 128]$, $[3615, 3712]$, $[42, 576]$, $[1570, 3648]$, $[2239, 2880]$, $[2599, 1472]$

301. $[1556, 2048]$, $[1080, 512]$, $[1226, 2560]$, $[1207, 1536]$, $[1238, 3584]$, $[120, 2304]$, $[1693, 3328]$, $[3681, 2816]$, $[1554, 3840]$, $[3867, 2176]$, $[3643, 2688]$, $[61, 1408]$, $[1593, 3968]$, $[523, 576]$, $[2348, 3904]$

302. $[492, 2048]$, $[820, 3072]$, $[323, 512]$, $[458, 2560]$, $[1200, 1536]$, $[230, 3584]$, $[627, 2304]$, $[1233, 3328]$, $[2206, 768]$, $[75, 2816]$, $[3117, 1792]$, $[3875, 128]$, $[602, 2176]$, $[850, 2944]$, $[3594, 1920]$

303. $[1348, 2048]$, $[872, 3072]$, $[3521, 512]$, $[3114, 2560]$, $[2218, 1536]$, $[285, 3584]$, $[3615, 3328]$, $[1787, 768]$, $[727, 2816]$, $[1601, 1792]$, $[1648, 3840]$, $[2079, 2176]$, $[2483, 576]$, $[2328, 3648]$, $[2765, 1056]$

304. $[804, 2048]$, $[2228, 3072]$, $[58, 512]$, $[1146, 2560]$, $[1381, 1536]$, $[2239, 3584]$, $[2107, 3328]$, $[2188, 768]$, $[1667, 3840]$, $[579, 128]$, $[3446, 2688]$, $[285, 1920]$, $[893, 3968]$, $[3981, 1856]$, $[1956, 3904]$

305. $[1912, 2048]$, $[2852, 3072]$, $[1030, 2560]$, $[3204, 2304]$, $[2584, 768]$, $[3194, 3840]$, $[3668, 2688]$, $[2092, 1664]$, $[3880, 3712]$, $[3667, 1408]$, $[2168, 1920]$, $[952, 2112]$, $[1846, 3648]$, $[1076, 1856]$, $[3079, 3904]$

306. $[1042, 2048]$, $[2276, 3072]$, $[1071, 512]$, $[294, 2560]$, $[1101, 3584]$, $[525, 2304]$, $[3120, 3328]$, $[3124, 768]$, $[1228, 1792]$, $[280, 128]$, $[2588, 2176]$, $[1081, 2688]$, $[2839, 3712]$, $[388, 1600]$, $[417, 960]$

307. $[740, 2048]$, $[760, 3072]$, $[1446, 512]$, $[486, 2560]$, $[3540, 3584]$, $[1743, 768]$, $[1052, 2816]$, $[3757, 1792]$, $[2611, 3200]$, $[2420, 2688]$, $[2577, 1664]$, $[1067, 2944]$, $[583, 1920]$, $[2722, 2112]$, $[2343, 3648]$

308. $[1908, 2048]$, $[372, 3072]$, $[2145, 512]$, $[150, 2560]$, $[178, 3584]$, $[663, 2304]$, $[117, 768]$, $[3727, 2816]$, $[1249, 3840]$, $[1856, 128]$, $[1650, 2176]$, $[3122, 2688]$, $[1589, 1664]$, $[361, 2944]$, $[614, 3968]$

309. $[1768, 2048]$, $[2332, 3072]$, $[3315, 512]$, $[1142, 2560]$, $[468, 1536]$, $[3532, 3584]$, $[677, 2304]$, $[227, 3328]$, $[3282, 768]$, $[1140, 2816]$, $[59, 2176]$, $[2167, 3712]$, $[526, 1408]$, $[555, 1920]$, $[314, 3136]$

310. $[1448, 2048]$, $[824, 3072]$, $[1070, 2560]$, $[3281, 1536]$, $[600, 2304]$, $[666, 3328]$, $[2217, 2816]$, $[3283, 3840]$, $[2317, 128]$, $[3842, 3200]$, $[622, 2688]$, $[811, 1408]$, $[2843, 1920]$, $[2228, 2112]$, $[1925, 448]$

311. $[612, 2048]$, $[232, 3072]$, $[2054, 512]$, $[3102, 2560]$, $[214, 3584]$, $[1599, 3328]$, $[2695, 768]$, $[3617, 2816]$, $[2338, 128]$, $[382, 2176]$, $[1630, 1920]$, $[940, 576]$, $[2049, 3648]$, $[3376, 2368]$, $[2588, 4032]$

312. $[752, 2048]$, $[868, 3072]$, $[1314, 512]$, $[2174, 2560]$, $[1308, 1536]$, $[2726, 2304]$, $[3699, 3328]$, $[165, 768]$, $[1186, 2816]$, $[1141, 2176]$, $[1316, 2688]$, $[2129, 2944]$, $[1685, 2112]$, $[1299, 2880]$, $[143, 1312]$

313. $[932, 2048]$, $[900, 3072]$, $[2348, 512]$, $[1406, 2560]$, $[2512, 1536]$, $[1068, 2304]$, $[1703, 3328]$, $[2652, 768]$, $[1611, 3840]$, $[3655, 128]$, $[3603, 2688]$, $[2927, 1408]$, $[1631, 1920]$, $[162, 576]$, $[312, 832]$

314. $[1492, 2048]$, $[866, 3072]$, $[298, 512]$, $[2353, 2560]$, $[1099, 1536]$, $[2334, 3584]$, $[613, 3328]$, $[1559, 2816]$, $[86, 1792]$, $[3662, 3840]$, $[3445, 2176]$, $[2239, 2368]$, $[3615, 2592]$, $[2072, 3360]$, $[287, 1824]$

315. $[1004, 2048]$, $[260, 3072]$, $[1383, 512]$, $[2481, 2560]$, $[1195, 1536]$, $[3530, 3584]$, $[1054, 2304]$, $[2191, 3328]$, $[2662, 2816]$, $[86, 2176]$, $[59, 1408]$, $[1836, 1920]$, $[957, 2112]$, $[1816, 3136]$, $[3390, 3520]$

316. $[1666, 2048]$, $[292, 3072]$, $[241, 2560]$, $[60, 1536]$, $[3279, 3584]$, $[3303, 2304]$, $[3194, 3328]$, $[3314, 2816]$, $[2271, 1792]$, $[2417, 128]$, $[3678, 3200]$, $[586, 3712]$, $[528, 1408]$, $[796, 3968]$, $[1816, 192]$
317. $[404, 2048]$, $[636, 3072]$, $[3490, 512]$, $[1321, 2560]$, $[1580, 2304]$, $[2684, 3328]$, $[1668, 2816]$, $[3153, 3840]$, $[2407, 128]$, $[1116, 2176]$, $[1308, 2688]$, $[2165, 3968]$, $[1335, 3648]$, $[1584, 3392]$, $[2819, 192]$
318. $[852, 2048]$, $[236, 3072]$, $[1175, 512]$, $[2153, 2560]$, $[3138, 1536]$, $[276, 3584]$, $[566, 2304]$, $[3130, 1792]$, $[1663, 3840]$, $[1608, 2688]$, $[2879, 3712]$, $[1294, 3136]$, $[1567, 576]$, $[533, 2592]$, $[1245, 2720]$
319. $[1048, 2048]$, $[392, 3072]$, $[3306, 512]$, $[1413, 2560]$, $[3489, 1536]$, $[3282, 2816]$, $[3772, 1792]$, $[2406, 2176]$, $[1389, 3200]$, $[1345, 2688]$, $[303, 1664]$, $[2371, 2944]$, $[1076, 1920]$, $[423, 2112]$, $[3125, 448]$
320. $[1308, 2048]$, $[264, 3072]$, $[510, 512]$, $[453, 2560]$, $[3432, 1536]$, $[3529, 3584]$, $[744, 2304]$, $[548, 2816]$, $[3271, 1792]$, $[3638, 3840]$, $[2932, 128]$, $[2639, 2688]$, $[863, 1920]$, $[263, 3136]$, $[1683, 3520]$
321. $[434, 2048]$, $[948, 3072]$, $[2305, 512]$, $[2325, 2560]$, $[2150, 1536]$, $[3146, 3584]$, $[1086, 2304]$, $[1653, 3328]$, $[179, 768]$, $[2728, 3840]$, $[1106, 128]$, $[1651, 2944]$, $[3848, 1600]$, $[3470, 192]$, $[412, 3264]$
322. $[1378, 2048]$, $[2610, 3072]$, $[1474, 512]$, $[2197, 2560]$, $[2131, 1536]$, $[2541, 3584]$, $[514, 2304]$, $[2659, 768]$, $[2573, 3840]$, $[3855, 1664]$, $[3705, 3712]$, $[2584, 1408]$, $[2330, 1920]$, $[3637, 576]$, $[2952, 2368]$
323. $[1636, 2048]$, $[2836, 3072]$, $[316, 512]$, $[341, 2560]$, $[1498, 1536]$, $[3491, 3584]$, $[2785, 768]$, $[1099, 1792]$, $[1914, 128]$, $[3337, 3200]$, $[3905, 1664]$, $[3694, 3712]$, $[3448, 2944]$, $[2981, 3136]$, $[1548, 832]$
324. $[684, 2048]$, $[3024, 3072]$, $[2379, 512]$, $[3413, 2560]$, $[363, 3584]$, $[2217, 2304]$, $[2655, 3328]$, $[2566, 2816]$, $[1126, 1792]$, $[3452, 3200]$, $[1863, 1408]$, $[2084, 2944]$, $[179, 3648]$, $[3134, 3904]$, $[833, 1056]$
325. $[1282, 2048]$, $[912, 3072]$, $[3285, 2560]$, $[3492, 1536]$, $[225, 3584]$, $[1734, 2304]$, $[2279, 3328]$, $[3646, 768]$, $[3197, 3840]$, $[1599, 128]$, $[347, 2176]$, $[1056, 3200]$, $[2129, 1408]$, $[3379, 1920]$, $[1047, 1856]$
326. $[1740, 2048]$, $[306, 3072]$, $[1495, 512]$, $[3125, 2560]$, $[95, 1536]$, $[3528, 3584]$, $[3805, 3328]$, $[1037, 768]$, $[3783, 1792]$, $[3821, 3840]$, $[616, 128]$, $[872, 3712]$, $[2852, 1920]$, $[3158, 3968]$, $[1410, 2112]$
327. $[1140, 2048]$, $[244, 3072]$, $[94, 512]$, $[181, 2560]$, $[47, 1536]$, $[2322, 3584]$, $[127, 2304]$, $[646, 3328]$, $[3087, 768]$, $[3192, 1792]$, $[2379, 128]$, $[3104, 2176]$, $[3133, 3712]$, $[769, 1600]$, $[2066, 2880]$
328. $[1208, 2048]$, $[2884, 3072]$, $[2156, 512]$, $[1197, 2560]$, $[2227, 1536]$, $[1233, 2304]$, $[3742, 768]$, $[2154, 2816]$, $[230, 1792]$, $[3817, 3840]$, $[3389, 3200]$, $[1373, 2688]$, $[3346, 1408]$, $[270, 1920]$, $[555, 832]$
329. $[664, 2048]$, $[212, 3072]$, $[2493, 512]$, $[285, 2560]$, $[2251, 1536]$, $[86, 3584]$, $[3677, 2304]$, $[2734, 3328]$, $[1210, 768]$, $[1596, 2816]$, $[3705, 2944]$, $[3412, 1920]$, $[1549, 1600]$, $[3756, 3520]$, $[842, 3488]$
330. $[772, 2048]$, $[2052, 3072]$, $[185, 512]$, $[1309, 2560]$, $[1510, 1536]$, $[2693, 2304]$, $[2294, 2816]$, $[757, 3840]$, $[3955, 3712]$, $[3618, 2944]$, $[570, 3136]$, $[1078, 3648]$, $[530, 3392]$, $[3384, 3520]$, $[1211, 4032]$
331. $[1836, 2048]$, $[620, 3072]$, $[3549, 2560]$, $[259, 1536]$, $[2385, 3584]$, $[1110, 2304]$, $[3655, 3328]$, $[2678, 768]$, $[3158, 1792]$, $[1711, 3840]$, $[598, 128]$, $[3152, 3200]$, $[1565, 1408]$, $[2109, 2112]$, $[2190, 3392]$
332. $[748, 2048]$, $[376, 3072]$, $[3292, 512]$, $[2365, 2560]$, $[3155, 1536]$, $[2160, 3584]$, $[2770, 2304]$, $[536, 3328]$, $[1716, 768]$, $[3286, 3840]$, $[3192, 2176]$, $[3874, 2688]$, $[1308, 3712]$, $[1899, 2944]$, $[3415, 1920]$
333. $[644, 2048]$, $[504, 3072]$, $[2261, 512]$, $[2467, 2560]$, $[1461, 1536]$, $[588, 2304]$, $[3265, 3328]$, $[173, 768]$, $[3762, 2816]$, $[2072, 3840]$, $[1380, 128]$, $[1863, 1664]$, $[3585, 576]$, $[162, 3648]$, $[1209, 4032]$
334. $[1432, 2048]$, $[2180, 3072]$, $[3513, 512]$, $[3171, 2560]$, $[493, 1536]$, $[3288, 2304]$, $[1717, 768]$, $[2326, 128]$, $[1878, 3712]$, $[2585, 1920]$, $[25, 3968]$, $[22, 2112]$, $[1793, 3648]$, $[3210, 3392]$, $[1421, 448]$
335. $[548, 2048]$, $[184, 3072]$, $[2085, 512]$, $[147, 2560]$, $[3230, 1536]$, $[3346, 3584]$, $[7, 3328]$, $[620, 2816]$, $[2810, 1792]$, $[1882, 2688]$, $[3360, 1408]$, $[3098, 2944]$, $[429, 2112]$, $[784, 2880]$, $[1928, 3520]$
336. $[1080, 2048]$, $[736, 3072]$, $[30, 512]$, $[3219, 2560]$, $[334, 1536]$, $[314, 3584]$, $[623, 2304]$, $[2224, 3328]$, $[2301, 768]$, $[2397, 3200]$, $[2851, 3712]$, $[2885, 2944]$, $[3919, 3968]$, $[141, 2368]$, $[3877, 448]$
337. $[1060, 2048]$, $[2540, 3072]$, $[1075, 2560]$, $[1342, 1536]$, $[217, 2304]$, $[2211, 3328]$, $[81, 768]$, $[3610, 1792]$, $[761, 3840]$, $[856, 2176]$, $[2930, 2688]$, $[2238, 3136]$, $[3855, 576]$, $[2605, 192]$, $[1694, 1472]$
338. $[760, 2048]$, $[316, 3072]$, $[1238, 512]$, $[2227, 2560]$, $[2186, 1536]$, $[3310, 2304]$, $[1227, 3328]$, $[628, 768]$, $[3242, 2816]$, $[1777, 1792]$, $[3211, 3840]$, $[2305, 2176]$, $[1598, 576]$, $[2749, 1856]$, $[3858, 3520]$
339. $[1276, 2048]$, $[248, 3072]$, $[2318, 512]$, $[3275, 2560]$, $[329, 1536]$, $[2297, 3584]$, $[3177, 2304]$, $[2208, 3328]$, $[2591, 1792]$, $[1643, 3840]$, $[365, 2176]$, $[561, 3712]$, $[553, 1920]$, $[2605, 2112]$, $[428, 3136]$
340. $[98, 2048]$, $[2978, 3072]$, $[3563, 2560]$, $[3558, 1536]$, $[3788, 768]$, $[3140, 2816]$, $[2170, 1792]$, $[2212, 3840]$, $[3357, 128]$, $[1597, 3200]$, $[1305, 1664]$, $[2909, 1408]$, $[2091, 576]$, $[3388, 1600]$, $[178, 832]$
341. $[1260, 2048]$, $[876, 3072]$, $[3187, 512]$, $[1115, 2560]$, $[1265, 1536]$, $[2793, 2304]$, $[85, 3328]$, $[3293, 768]$, $[2644, 2816]$, $[2588, 3200]$, $[515, 2688]$, $[380, 1664]$, $[437, 2368]$, $[2364, 1472]$, $[1175, 3424]$

342. $[120, 2048]$, $[364, 3072]$, $[2461, 512]$, $[2395, 2560]$, $[2209, 3584]$, $[3722, 2304]$, $[1621, 2816]$, $[2161, 1792]$, $[3134, 1408]$, $[3379, 2944]$, $[1892, 1920]$, $[2705, 2112]$, $[672, 3136]$, $[3758, 576]$, $[2396, 608]$

343. $[32, 2048]$, $[580, 3072]$, $[2267, 2560]$, $[420, 1536]$, $[3299, 3584]$, $[3174, 2304]$, $[1193, 3328]$, $[3242, 3840]$, $[1343, 2688]$, $[3114, 3712]$, $[3131, 1408]$, $[2419, 1920]$, $[4006, 832]$, $[1208, 704]$, $[2203, 448]$

344. $[1116, 2048]$, $[2552, 3072]$, $[2491, 2560]$, $[61, 1536]$, $[164, 3584]$, $[1056, 2304]$, $[250, 768]$, $[2214, 2816]$, $[1760, 1792]$, $[1884, 3200]$, $[837, 2688]$, $[2054, 1408]$, $[3225, 1600]$, $[3132, 2880]$, $[542, 960]$

345. $[1220, 2048]$, $[3064, 3072]$, $[145, 512]$, $[103, 2560]$, $[2210, 1536]$, $[2494, 3584]$, $[2189, 2816]$, $[2625, 1792]$, $[2156, 3840]$, $[2399, 128]$, $[3152, 2688]$, $[872, 1664]$, $[1338, 3968]$, $[2731, 3648]$, $[129, 3264]$

346. $[796, 2048]$, $[2916, 3072]$, $[1514, 512]$, $[1303, 2560]$, $[1206, 3584]$, $[2198, 2304]$, $[105, 3328]$, $[3768, 2816]$, $[1268, 1792]$, $[3137, 128]$, $[1633, 2176]$, $[2879, 3200]$, $[299, 3712]$, $[2671, 1920]$, $[909, 3488]$

347. $[1218, 2048]$, $[2196, 3072]$, $[3285, 512]$, $[55, 2560]$, $[386, 1536]$, $[3207, 3584]$, $[1057, 768]$, $[3711, 2816]$, $[2291, 1792]$, $[592, 128]$, $[1557, 3200]$, $[2157, 2688]$, $[598, 1408]$, $[2612, 1920]$, $[3909, 992]$

348. $[674, 2048]$, $[36, 3072]$, $[1030, 512]$, $[503, 2560]$, $[191, 3584]$, $[1709, 3328]$, $[2160, 2816]$, $[3143, 1792]$, $[2652, 128]$, $[3109, 3200]$, $[78, 1664]$, $[2832, 2112]$, $[2239, 448]$, $[2092, 1984]$, $[1934, 3360]$

349. $[1176, 2048]$, $[650, 3072]$, $[2516, 512]$, $[1167, 2560]$, $[2334, 1536]$, $[2122, 3584]$, $[3170, 3328]$, $[1631, 2816]$, $[1147, 128]$, $[2680, 2688]$, $[3609, 1408]$, $[3083, 2112]$, $[3626, 3136]$, $[661, 2880]$, $[2446, 3264]$

350. $[844, 2048]$, $[724, 3072]$, $[225, 512]$, $[3471, 2560]$, $[2416, 1536]$, $[1151, 2304]$, $[1275, 1792]$, $[2141, 128]$, $[2309, 2176]$, $[3156, 3200]$, $[83, 1664]$, $[845, 2944]$, $[2633, 3968]$, $[1193, 2368]$, $[2079, 448]$

351. $[764, 2048]$, $[2072, 512]$, $[3375, 2560]$, $[1051, 1536]$, $[2366, 3584]$, $[3614, 2304]$, $[1631, 768]$, $[732, 2816]$, $[1286, 128]$, $[1800, 2176]$, $[2385, 2688]$, $[2880, 2944]$, $[933, 2112]$, $[405, 1600]$, $[134, 3104]$

352. $[484, 2048]$, $[2584, 3072]$, $[2497, 512]$, $[111, 2560]$, $[380, 1536]$, $[3084, 3328]$, $[97, 2816]$, $[3154, 1792]$, $[2247, 3840]$, $[2905, 2176]$, $[2937, 3200]$, $[3673, 1664]$, $[2340, 1408]$, $[1845, 1600]$, $[3647, 3520]$

353. $[1484, 2048]$, $[728, 3072]$, $[2533, 512]$, $[3103, 2560]$, $[97, 1536]$, $[1146, 3584]$, $[90, 2304]$, $[2096, 768]$, $[614, 2816]$, $[3293, 1792]$, $[1025, 3840]$, $[2860, 3200]$, $[2855, 1408]$, $[1031, 2368]$, $[439, 704]$

354. $[1368, 2048]$, $[480, 3072]$, $[2473, 512]$, $[511, 2560]$, $[1079, 1536]$, $[245, 3584]$, $[1631, 3328]$, $[3612, 2816]$, $[2669, 1792]$, $[1722, 3840]$, $[3889, 128]$, $[1615, 2688]$, $[382, 2944]$, $[3124, 448]$, $[1050, 3232]$

355. $[1684, 2048]$, $[2388, 3072]$, $[400, 2560]$, $[3520, 1536]$, $[2549, 3584]$, $[2303, 2304]$, $[747, 3328]$, $[726, 2816]$, $[1060, 1792]$, $[616, 2176]$, $[792, 3200]$, $[3863, 2688]$, $[776, 2944]$, $[2401, 1920]$, $[308, 704]$

356. $[340, 2048]$, $[936, 3072]$, $[3459, 512]$, $[433, 2560]$, $[1488, 1536]$, $[2383, 3584]$, $[765, 2304]$, $[1234, 3328]$, $[3702, 1792]$, $[556, 128]$, $[3330, 3712]$, $[2135, 2944]$, $[2199, 2112]$, $[554, 3136]$, $[2338, 448]$

357. $[100, 2048]$, $[460, 3072]$, $[1313, 512]$, $[3482, 2560]$, $[2480, 1536]$, $[1109, 2304]$, $[2582, 3328]$, $[3234, 768]$, $[1714, 2816]$, $[3833, 3840]$, $[1355, 2176]$, $[1650, 2944]$, $[1111, 1920]$, $[413, 832]$, $[312, 3904]$

358. $[1868, 2048]$, $[24, 3072]$, $[3129, 512]$, $[3158, 2560]$, $[3184, 1536]$, $[1554, 2816]$, $[3804, 3840]$, $[3646, 128]$, $[593, 2176]$, $[3448, 3200]$, $[3389, 1408]$, $[2683, 1920]$, $[2751, 1600]$, $[561, 192]$, $[71, 1056]$

359. $[1500, 2048]$, $[490, 3072]$, $[3569, 512]$, $[83, 2560]$, $[2344, 1536]$, $[2150, 2304]$, $[3634, 3328]$, $[3122, 2816]$, $[628, 1792]$, $[1086, 3840]$, $[85, 2176]$, $[1855, 3712]$, $[1464, 3136]$, $[1815, 3648]$, $[526, 3904]$

360. $[1986, 2048]$, $[412, 3072]$, $[59, 512]$, $[2311, 2560]$, $[3352, 1536]$, $[443, 3584]$, $[722, 2304]$, $[1234, 1792]$, $[1270, 3840]$, $[2419, 3200]$, $[3652, 2688]$, $[74, 1664]$, $[2823, 3136]$, $[3627, 576]$, $[182, 832]$

361. $[1496, 2048]$, $[2164, 3072]$, $[1166, 512]$, $[3256, 1536]$, $[1531, 3584]$, $[651, 2304]$, $[2098, 3328]$, $[3713, 768]$, $[2254, 1792]$, $[2909, 2176]$, $[1364, 1664]$, $[2418, 2944]$, $[899, 3136]$, $[1583, 576]$, $[3477, 2368]$

362. $[1332, 2048]$, $[2092, 3072]$, $[3271, 2560]$, $[1144, 1536]$, $[3638, 3328]$, $[599, 768]$, $[3753, 2816]$, $[746, 1792]$, $[3227, 3840]$, $[2600, 128]$, $[1137, 2176]$, $[3333, 2688]$, $[1849, 3968]$, $[899, 448]$, $[4009, 3520]$

363. $[1458, 2048]$, $[2468, 3072]$, $[1378, 512]$, $[3108, 2560]$, $[2296, 1536]$, $[3305, 2304]$, $[2586, 768]$, $[683, 2816]$, $[2924, 2176]$, $[2561, 3200]$, $[90, 2688]$, $[2891, 1664]$, $[1358, 3712]$, $[894, 3968]$, $[519, 2112]$

364. $[468, 2048]$, $[2908, 3072]$, $[485, 512]$, $[3575, 2560]$, $[3320, 1536]$, $[1173, 3584]$, $[11, 2304]$, $[522, 768]$, $[2619, 1792]$, $[3343, 2688]$, $[100, 2944]$, $[2581, 3136]$, $[397, 576]$, $[1962, 832]$, $[582, 2592]$

365. $[1482, 2048]$, $[208, 2560]$, $[276, 1536]$, $[1026, 3584]$, $[1578, 2304]$, $[2595, 3328]$, $[2746, 768]$, $[1252, 1792]$, $[3103, 2688]$, $[3346, 2944]$, $[2357, 1920]$, $[2835, 2112]$, $[294, 3648]$, $[3859, 3264]$, $[836, 1312]$

366. $[610, 2048]$, $[164, 3072]$, $[458, 512]$, $[2452, 1536]$, $[183, 2304]$, $[42, 3328]$, $[1758, 768]$, $[3836, 2816]$, $[182, 1792]$, $[2296, 3840]$, $[3586, 1408]$, $[2750, 2112]$, $[413, 576]$, $[1199, 3648]$, $[1423, 1856]$

367. $[164, 2048]$, $[2616, 3072]$, $[31, 512]$, $[2132, 1536]$, $[3617, 2304]$, $[3177, 3328]$, $[516, 2816]$, $[2742, 1792]$, $[625, 128]$, $[1084, 2688]$, $[702, 2112]$, $[1182, 1600]$, $[537, 3392]$, $[2056, 704]$, $[2521, 2720]$

368. $[562, 2048]$, $[2808, 3072]$, $[3329, 512]$, $[3282, 2560]$, $[2356, 1536]$, $[1654, 2304]$, $[697, 3328]$, $[1196, 768]$, $[1146, 2816]$, $[3331, 128]$, $[2378, 2176]$, $[3161, 3200]$, $[39, 1408]$, $[2960, 2080]$, $[1798, 2592]$

369. $[130, 2048]$, $[2396, 3072]$, $[1095, 512]$, $[1101, 2560]$, $[1204, 1536]$, $[3490, 3584]$, $[3180, 768]$, $[2696, 1792]$, $[3109, 2176]$, $[3167, 1408]$, $[3143, 1920]$, $[2348, 3136]$, $[1068, 3392]$, $[277, 192]$, $[905, 4032]$

370. $[1044, 2048]$, $[1324, 1536]$, $[1064, 2304]$, $[2121, 3328]$, $[219, 768]$, $[3312, 1792]$, $[2413, 128]$, $[3453, 2688]$, $[3420, 1664]$, $[2378, 3712]$, $[1555, 2944]$, $[823, 1920]$, $[3331, 3648]$, $[2490, 2880]$, $[3649, 2080]$

371. $[708, 2048]$, $[268, 3072]$, $[1081, 512]$, $[2476, 1536]$, $[2396, 3584]$, $[1083, 2304]$, $[3606, 3328]$, $[2751, 1792]$, $[1240, 3840]$, $[3334, 128]$, $[2928, 3712]$, $[3133, 2944]$, $[2865, 3968]$, $[2699, 3136]$, $[2490, 1472]$

372. $[1122, 2048]$, $[772, 3072]$, $[3249, 512]$, $[3464, 2560]$, $[284, 1536]$, $[95, 3584]$, $[2090, 3328]$, $[208, 768]$, $[2574, 2816]$, $[1661, 3840]$, $[605, 2688]$, $[379, 1664]$, $[774, 2944]$, $[552, 1920]$, $[3207, 3904]$

373. $[1130, 2048]$, $[112, 3072]$, $[78, 2560]$, $[3260, 1536]$, $[1067, 3584]$, $[3306, 768]$, $[2682, 2816]$, $[1726, 1792]$, $[152, 3840]$, $[1554, 128]$, $[836, 2176]$, $[3447, 2688]$, $[850, 3968]$, $[182, 3136]$, $[2092, 3648]$

374. $[746, 2048]$, $[2668, 3072]$, $[161, 512]$, $[2172, 1536]$, $[3331, 3584]$, $[3673, 2304]$, $[2676, 768]$, $[2684, 2816]$, $[1646, 1792]$, $[1051, 3840]$, $[3630, 2176]$, $[551, 1408]$, $[2479, 2112]$, $[3382, 2368]$, $[980, 2080]$

375. $[1096, 2048]$, $[3020, 3072]$, $[258, 1536]$, $[140, 3584]$, $[1573, 3328]$, $[2269, 768]$, $[1613, 1792]$, $[1136, 2176]$, $[311, 3200]$, $[3865, 3712]$, $[3595, 3136]$, $[1591, 576]$, $[4018, 1600]$, $[1560, 3648]$, $[2863, 3904]$

376. $[436, 2048]$, $[730, 3072]$, $[199, 512]$, $[2060, 2560]$, $[1282, 1536]$, $[1292, 3584]$, $[2273, 2304]$, $[69, 3328]$, $[655, 768]$, $[1834, 3200]$, $[1087, 1408]$, $[1446, 1600]$, $[1951, 832]$, $[2607, 3904]$, $[2309, 2080]$

377. $[1268, 2048]$, $[2516, 3072]$, $[2195, 512]$, $[162, 1536]$, $[1437, 3584]$, $[757, 2304]$, $[2814, 3328]$, $[101, 768]$, $[754, 2816]$, $[2630, 128]$, $[3176, 2176]$, $[2123, 2688]$, $[2900, 1664]$, $[3164, 3712]$, $[2383, 1920]$

378. $[1820, 2048]$, $[492, 3072]$, $[2142, 512]$, $[3344, 2560]$, $[2466, 1536]$, $[3353, 3584]$, $[3292, 768]$, $[1155, 2816]$, $[3234, 3840]$, $[2679, 128]$, $[3451, 2176]$, $[2880, 3200]$, $[100, 1920]$, $[2499, 2080]$, $[335, 2592]$

379. $[1644, 2048]$, $[2744, 3072]$, $[1444, 512]$, $[3143, 2560]$, $[3090, 1536]$, $[489, 3584]$, $[1542, 768]$, $[23, 2816]$, $[2730, 1792]$, $[2342, 128]$, $[309, 2688]$, $[815, 1664]$, $[26, 3968]$, $[663, 1856]$, $[386, 1984]$

380. $[1732, 2048]$, $[652, 3072]$, $[2507, 512]$, $[1298, 1536]$, $[1371, 3584]$, $[3796, 2304]$, $[2276, 2816]$, $[1562, 1792]$, $[752, 3840]$, $[1861, 2176]$, $[1052, 3200]$, $[3391, 1408]$, $[1330, 3136]$, $[3599, 1600]$, $[2218, 2880]$

381. $[1682, 2048]$, $[2772, 3072]$, $[3299, 512]$, $[3234, 2560]$, $[3410, 1536]$, $[346, 3584]$, $[1652, 3328]$, $[135, 1792]$, $[71, 128]$, $[1553, 2176]$, $[312, 3200]$, $[822, 2944]$, $[2083, 1920]$, $[1575, 3648]$, $[3618, 1472]$

382. $[820, 2048]$, $[2972, 3072]$, $[1311, 512]$, $[466, 1536]$, $[264, 3584]$, $[2149, 2304]$, $[1639, 3328]$, $[2771, 2816]$, $[1565, 1792]$, $[2402, 128]$, $[1873, 2176]$, $[3876, 3200]$, $[3138, 1920]$, $[566, 3968]$, $[151, 1632]$

383. $[888, 2048]$, $[2260, 3072]$, $[1058, 512]$, $[1490, 1536]$, $[1110, 3584]$, $[3262, 2304]$, $[2739, 3328]$, $[1686, 768]$, $[3603, 2816]$, $[159, 3840]$, $[1595, 128]$, $[331, 2176]$, $[3111, 2688]$, $[1111, 3712]$, $[265, 832]$

384. $[1156, 2048]$, $[964, 3072]$, $[1275, 512]$, $[114, 1536]$, $[1522, 3584]$, $[3678, 2304]$, $[1136, 3328]$, $[207, 2816]$, $[76, 1792]$, $[1580, 128]$, $[2114, 2176]$, $[3115, 2688]$, $[824, 1664]$, $[2863, 3968]$, $[2749, 576]$

385. $[268, 2048]$, $[2888, 3072]$, $[2185, 512]$, $[2090, 1536]$, $[3601, 768]$, $[1145, 2816]$, $[132, 3840]$, $[814, 3200]$, $[2897, 1664]$, $[322, 2944]$, $[3851, 1920]$, $[677, 3136]$, $[1317, 3392]$, $[4031, 704]$, $[189, 960]$

386. $[1340, 2048]$, $[2692, 3072]$, $[2276, 512]$, $[2418, 2560]$, $[426, 1536]$, $[3561, 3584]$, $[41, 2304]$, $[1789, 768]$, $[3902, 128]$, $[3616, 2688]$, $[3976, 3136]$, $[2483, 3392]$, $[3602, 192]$, $[3760, 1472]$, $[460, 3360]$

387. $[1826, 2048]$, $[2068, 3072]$, $[2129, 2560]$, $[90, 1536]$, $[3399, 3584]$, $[638, 2304]$, $[2228, 3328]$, $[220, 768]$, $[3165, 2176]$, $[70, 3200]$, $[298, 1408]$, $[1027, 1920]$, $[3770, 2112]$, $[2615, 3136]$, $[2507, 3744]$

388. $[2036, 2048]$, $[2310, 3072]$, $[2154, 512]$, $[1302, 2560]$, $[278, 1536]$, $[3560, 3584]$, $[728, 3328]$, $[2238, 768]$, $[2808, 2816]$, $[3775, 1792]$, $[2683, 3840]$, $[335, 3200]$, $[337, 3712]$, $[2631, 3968]$, $[3022, 2080]$

389. $[1240, 2048]$, $[2956, 3072]$, $[3470, 1536]$, $[2200, 3584]$, $[1129, 2304]$, $[1077, 768]$, $[1166, 1792]$, $[3164, 3840]$, $[872, 128]$, $[2307, 2688]$, $[1916, 1664]$, $[1604, 3712]$, $[562, 1920]$, $[2222, 1600]$, $[1449, 192]$

390. $[472, 2048]$, $[632, 3072]$, $[265, 2560]$, $[2126, 1536]$, $[3187, 3584]$, $[1099, 2304]$, $[2074, 3328]$, $[2653, 2816]$, $[267, 128]$, $[3657, 2176]$, $[1393, 2688]$, $[770, 1664]$, $[1302, 1920]$, $[1433, 448]$, $[784, 2080]$

391. $[1804, 2048]$, $[2148, 512]$, $[2054, 2560]$, $[1102, 1536]$, $[1430, 3584]$, $[1598, 2304]$, $[75, 3328]$, $[583, 768]$, $[2572, 1792]$, $[3421, 2176]$, $[1340, 3200]$, $[825, 2944]$, $[3159, 3968]$, $[151, 3136]$, $[2993, 1856]$

392. $[26, 2048]$, $[324, 3072]$, $[3171, 512]$, $[462, 1536]$, $[413, 3584]$, $[165, 2304]$, $[3766, 3328]$, $[2173, 2816]$, $[2788, 1792]$, $[2084, 2176]$, $[3864, 3200]$, $[2998, 1600]$, $[691, 1472]$, $[1173, 1056]$, $[3653, 1696]$

393. $[778, 2048]$, $[952, 3072]$, $[1091, 512]$, $[451, 2560]$, $[1262, 1536]$, $[3816, 2304]$, $[2289, 3328]$, $[2615, 2816]$, $[1563, 1792]$, $[2100, 2176]$, $[2136, 2688]$, $[1333, 2944]$, $[616, 1920]$, $[3618, 1600]$, $[1684, 3104]$

394. $[284, 2048]$, $[396, 3072]$, $[77, 512]$, $[30, 1536]$, $[5, 2304]$, $[1155, 3328]$, $[3703, 1792]$, $[2612, 3840]$, $[3345, 128]$, $[2150, 2176]$, $[2400, 2688]$, $[1897, 1664]$, $[406, 3648]$, $[3894, 2368]$, $[2602, 2880]$

395. $[818, 2048]$, $[2932, 3072]$, $[1516, 512]$, $[84, 2560]$, $[1054, 1536]$, $[1438, 3584]$, $[1628, 2304]$, $[2586, 3328]$, $[2168, 3840]$, $[113, 2176]$, $[639, 3200]$, $[523, 1664]$, $[2306, 2944]$, $[1196, 1600]$, $[476, 2144]$

396. $[220, 2048]$, $[564, 3072]$, $[2189, 512]$, $[3520, 2560]$, $[1057, 1536]$, $[506, 3584]$, $[3164, 3328]$, $[755, 768]$, $[3147, 1792]$, $[1288, 2176]$, $[2910, 1664]$, $[3343, 3968]$, $[1545, 3136]$, $[829, 832]$, $[822, 704]$

397. $[1244, 2048]$, $[456, 3072]$, $[259, 512]$, $[485, 2560]$, $[2337, 1536]$, $[23, 2304]$, $[1715, 3328]$, $[2134, 768]$, $[3809, 1792]$, $[1842, 128]$, $[1101, 3712]$, $[3510, 3136]$, $[2831, 3648]$, $[3106, 192]$, $[1996, 2080]$

398. $[794, 2048]$, $[482, 3072]$, $[3363, 512]$, $[1473, 2560]$, $[2257, 1536]$, $[55, 3584]$, $[3715, 2304]$, $[1751, 3328]$, $[2150, 768]$, $[2825, 2688]$, $[1110, 1408]$, $[3899, 2944]$, $[1564, 1920]$, $[3716, 1600]$, $[3516, 2368]$

399. $[786, 2048]$, $[2940, 3072]$, $[2454, 2560]$, $[241, 1536]$, $[412, 3584]$, $[140, 2304]$, $[2077, 3328]$, $[2720, 768]$, $[3254, 2816]$, $[1548, 1792]$, $[2590, 128]$, $[1142, 3712]$, $[2461, 2112]$, $[1461, 576]$, $[3974, 1600]$

400. $[810, 2048]$, $[586, 3072]$, $[2315, 512]$, $[1272, 2560]$, $[1193, 1536]$, $[3202, 3584]$, $[1541, 2304]$, $[1771, 3328]$, $[145, 3840]$, $[1865, 3200]$, $[1631, 1408]$, $[2867, 1920]$, $[3730, 3136]$, $[3493, 448]$, $[479, 3232]$

401. $[1450, 2048]$, $[2964, 3072]$, $[2153, 1536]$, $[3085, 3584]$, $[3820, 2304]$, $[757, 3328]$, $[143, 2816]$, $[1611, 2176]$, $[2307, 3200]$, $[1137, 3712]$, $[1575, 2112]$, $[1197, 576]$, $[1849, 1600]$, $[802, 192]$, $[1328, 704]$

402. $[828, 2048]$, $[20, 3072]$, $[3089, 512]$, $[361, 1536]$, $[3693, 3328]$, $[1545, 768]$, $[2584, 2816]$, $[724, 1792]$, $[1345, 2176]$, $[2686, 1664]$, $[569, 2944]$, $[2875, 3968]$, $[1674, 2112]$, $[906, 576]$, $[1318, 1856]$

403. $[730, 2048]$, $[2452, 3072]$, $[451, 512]$, $[3423, 2560]$, $[1385, 1536]$, $[458, 3584]$, $[181, 2304]$, $[226, 3328]$, $[2164, 768]$, $[3183, 2816]$, $[2172, 1792]$, $[2671, 128]$, $[3894, 2688]$, $[3375, 2944]$, $[3256, 3264]$

404. $[682, 2048]$, $[3060, 3072]$, $[474, 512]$, $[2303, 2560]$, $[1513, 1536]$, $[2068, 3584]$, $[1593, 2304]$, $[658, 3328]$, $[3728, 2816]$, $[2570, 128]$, $[1858, 2176]$, $[1130, 3712]$, $[904, 1600]$, $[798, 832]$, $[196, 2080]$

405. $[1580, 2048]$, $[3000, 3072]$, $[1397, 2560]$, $[313, 1536]$, $[2285, 3584]$, $[2293, 2304]$, $[3178, 3328]$, $[213, 768]$, $[1785, 1792]$, $[811, 2176]$, $[1083, 2688]$, $[2611, 1408]$, $[66, 1920]$, $[29, 3136]$, $[1064, 2368]$

406. $[444, 2048]$, $[616, 3072]$, $[1413, 1536]$, $[1446, 3584]$, $[1678, 2304]$, $[586, 768]$, $[1639, 2816]$, $[681, 3840]$, $[1594, 128]$, $[1571, 2176]$, $[1333, 1408]$, $[2105, 2944]$, $[1717, 3136]$, $[1578, 576]$, $[2827, 3392]$

407. $[1596, 2048]$, $[2724, 3072]$, $[409, 512]$, $[1478, 2560]$, $[197, 1536]$, $[42, 3584]$, $[39, 768]$, $[2070, 2816]$, $[3279, 1792]$, $[62, 2176]$, $[280, 2112]$, $[799, 2368]$, $[693, 3392]$, $[2699, 832]$, $[1119, 2720]$

408. $[1594, 2048]$, $[692, 3072]$, $[1377, 512]$, $[340, 2560]$, $[1253, 1536]$, $[2544, 3584]$, $[40, 2304]$, $[2201, 2816]$, $[1147, 3840]$, $[1662, 2176]$, $[3706, 3200]$, $[798, 2944]$, $[2359, 3968]$, $[1675, 1856]$, $[4054, 1696]$

409. $[1464, 2048]$, $[770, 3072]$, $[2275, 512]$, $[1410, 2560]$, $[2357, 1536]$, $[3262, 3584]$, $[1138, 2304]$, $[2130, 3328]$, $[1747, 768]$, $[3263, 2816]$, $[3601, 1792]$, $[1068, 128]$, $[2612, 2944]$, $[2676, 3968]$, $[900, 448]$

410. $[924, 2048]$, $[82, 3072]$, $[3538, 512]$, $[3147, 2560]$, $[1525, 1536]$, $[1334, 3584]$, $[1104, 2304]$, $[3252, 3328]$, $[253, 768]$, $[1581, 2688]$, $[301, 1664]$, $[3602, 1408]$, $[3359, 3264]$, $[1172, 960]$, $[94, 1824]$

411. $[1938, 2048]$, $[996, 3072]$, $[3162, 512]$, $[3319, 2560]$, $[2285, 1536]$, $[2608, 2304]$, $[204, 3328]$, $[1115, 2816]$, $[1652, 3840]$, $[2928, 128]$, $[1905, 2176]$, $[359, 3200]$, $[3414, 2688]$, $[3659, 1408]$, $[675, 2368]$

412. $[1108, 2048]$, $[2690, 3072]$, $[2429, 1536]$, $[1744, 2304]$, $[1786, 3328]$, $[526, 768]$, $[3145, 2816]$, $[634, 1792]$, $[1674, 3840]$, $[1125, 128]$, $[1805, 3712]$, $[3764, 2112]$, $[3366, 3392]$, $[557, 448]$, $[1491, 1312]$

413. $[1532, 2048]$, $[2968, 3072]$, $[1389, 512]$, $[1214, 2560]$, $[3075, 1536]$, $[3797, 2304]$, $[636, 3328]$, $[3597, 2816]$, $[2308, 128]$, $[1348, 2176]$, $[1407, 2688]$, $[51, 1920]$, $[1138, 3968]$, $[2366, 2368]$, $[3614, 2880]$

414. $[1612, 2048]$, $[744, 3072]$, $[2190, 512]$, $[163, 1536]$, $[1168, 3584]$, $[169, 2304]$, $[766, 2816]$, $[866, 128]$, $[2160, 2176]$, $[890, 3200]$, $[3623, 2688]$, $[3177, 1664]$, $[4021, 2880]$, $[1048, 3904]$, $[1173, 2080]$

415. $[96, 2048]$, $[1004, 3072]$, $[1261, 2560]$, $[2531, 1536]$, $[2082, 3584]$, $[3210, 2304]$, $[1225, 768]$, $[1163, 2816]$, $[676, 3840]$, $[1627, 128]$, $[1070, 1920]$, $[2607, 2368]$, $[938, 3392]$, $[405, 832]$, $[1806, 448]$

416. $[308, 2048]$, $[556, 3072]$, $[2173, 512]$, $[2533, 2560]$, $[1075, 1536]$, $[3406, 3584]$, $[2620, 3328]$, $[2124, 1792]$, $[3289, 3840]$, $[3417, 2688]$, $[2879, 3968]$, $[1163, 3136]$, $[2590, 576]$, $[575, 1600]$, $[2476, 960]$

417. $[770, 2048]$, $[60, 3072]$, $[1447, 512]$, $[1276, 2560]$, $[2347, 1536]$, $[2474, 3584]$, $[522, 2304]$, $[3778, 3328]$, $[143, 1792]$, $[2095, 3200]$, $[3679, 2688]$, $[3966, 1664]$, $[1836, 1408]$, $[1908, 3968]$, $[1295, 192]$

418. $[44, 2048]$, $[2328, 3072]$, $[2485, 2560]$, $[3563, 1536]$, $[3157, 3584]$, $[1695, 2304]$, $[2127, 3328]$, $[2211, 768]$, $[2585, 2816]$, $[1190, 3840]$, $[2871, 128]$, $[2917, 2688]$, $[282, 1664]$, $[1849, 1920]$, $[2093, 192]$

419. $[314, 2048]$, $[940, 3072]$, $[1336, 512]$, $[405, 2560]$, $[1371, 1536]$, $[515, 2304]$, $[1124, 3328]$, $[3252, 3840]$, $[1819, 128]$, $[616, 2688]$, $[2071, 1664]$, $[2839, 1920]$, $[703, 3136]$, $[2725, 576]$, $[2736, 2368]$

420. $[692, 2048]$, $[2352, 3072]$, $[351, 512]$, $[383, 2560]$, $[1467, 1536]$, $[1404, 3584]$, $[3811, 2304]$, $[1267, 3328]$, $[1220, 2816]$, $[3173, 1792]$, $[2934, 1664]$, $[3170, 1408]$, $[1151, 2944]$, $[676, 3392]$, $[1031, 448]$
421. $[452, 2048]$, $[2104, 512]$, $[3346, 2560]$, $[2343, 1536]$, $[1276, 3584]$, $[1663, 2304]$, $[1189, 3328]$, $[3206, 768]$, $[1237, 2816]$, $[1588, 1792]$, $[879, 3200]$, $[113, 1664]$, $[2902, 2944]$, $[3175, 3968]$, $[3263, 2112]$
422. $[1324, 2048]$, $[2572, 3072]$, $[3535, 512]$, $[103, 1536]$, $[3073, 3584]$, $[243, 2304]$, $[2275, 3328]$, $[1741, 768]$, $[6, 2816]$, $[557, 1792]$, $[2914, 128]$, $[2939, 3200]$, $[1081, 1408]$, $[2577, 192]$, $[2067, 3520]$
423. $[1650, 2048]$, $[748, 3072]$, $[72, 2560]$, $[1303, 1536]$, $[2232, 3584]$, $[1713, 2304]$, $[164, 3328]$, $[1739, 2816]$, $[1119, 3840]$, $[3182, 2176]$, $[113, 2688]$, $[3842, 1664]$, $[3237, 2112]$, $[2727, 3136]$, $[2239, 1600]$
424. $[1094, 2048]$, $[2628, 3072]$, $[1527, 512]$, $[133, 2560]$, $[1495, 1536]$, $[3266, 3584]$, $[3653, 2304]$, $[1274, 3328]$, $[1594, 768]$, $[2563, 1792]$, $[2784, 3840]$, $[3408, 3200]$, $[1795, 1408]$, $[3878, 2944]$, $[315, 2368]$
425. $[582, 2048]$, $[634, 3072]$, $[3191, 512]$, $[3306, 2560]$, $[1167, 1536]$, $[3104, 3584]$, $[3246, 2304]$, $[3962, 128]$, $[774, 2176]$, $[2339, 2688]$, $[34, 1664]$, $[3113, 3712]$, $[526, 1600]$, $[518, 3648]$, $[3996, 3264]$
426. $[1114, 2048]$, $[1308, 512]$, $[3138, 2560]$, $[2383, 1536]$, $[467, 3584]$, $[1703, 2304]$, $[579, 768]$, $[2633, 2816]$, $[3688, 128]$, $[589, 2176]$, $[1367, 3200]$, $[3633, 2944]$, $[3746, 3392]$, $[778, 2880]$, $[1681, 3104]$
427. $[1012, 2048]$, $[2268, 3072]$, $[2114, 512]$, $[2477, 2560]$, $[367, 1536]$, $[2382, 3584]$, $[1153, 2304]$, $[2779, 3328]$, $[2712, 3840]$, $[3627, 2688]$, $[839, 1408]$, $[2931, 2944]$, $[3864, 2112]$, $[1445, 3392]$, $[2829, 1312]$
428. $[1452, 2048]$, $[354, 3072]$, $[365, 512]$, $[3567, 1536]$, $[1026, 2304]$, $[78, 3328]$, $[685, 768]$, $[2067, 2816]$, $[3103, 3840]$, $[2426, 128]$, $[3181, 2176]$, $[1111, 1408]$, $[2919, 2944]$, $[3338, 3648]$, $[1064, 1984]$
429. $[252, 2048]$, $[146, 3072]$, $[2079, 512]$, $[1148, 2560]$, $[1247, 1536]$, $[3173, 3584]$, $[2291, 2304]$, $[1206, 768]$, $[2605, 1792]$, $[1126, 2176]$, $[63, 3200]$, $[2353, 3712]$, $[1837, 1408]$, $[3920, 3968]$, $[3596, 3904]$
430. $[1148, 2048]$, $[180, 3072]$, $[318, 512]$, $[434, 2560]$, $[3503, 1536]$, $[416, 3584]$, $[96, 2304]$, $[3610, 3328]$, $[38, 768]$, $[3114, 2176]$, $[3947, 2688]$, $[1817, 1664]$, $[379, 1408]$, $[267, 2112]$, $[1700, 192]$
431. $[1204, 2048]$, $[2484, 3072]$, $[29, 2560]$, $[1343, 1536]$, $[2320, 3584]$, $[1085, 3328]$, $[2051, 768]$, $[298, 2176]$, $[2827, 3200]$, $[854, 2688]$, $[878, 3968]$, $[2696, 2112]$, $[2621, 3904]$, $[3856, 1056]$, $[1951, 3168]$
432. $[226, 2048]$, $[66, 3072]$, $[1332, 512]$, $[237, 2560]$, $[432, 3584]$, $[46, 3328]$, $[1674, 768]$, $[3318, 2816]$, $[1080, 1792]$, $[1622, 3840]$, $[2648, 2176]$, $[353, 1408]$, $[2862, 2944]$, $[322, 1920]$, $[2067, 1600]$
433. $[662, 2048]$, $[684, 3072]$, $[1077, 512]$, $[2141, 2560]$, $[136, 1536]$, $[1136, 3584]$, $[1752, 768]$, $[197, 1792]$, $[751, 3840]$, $[1537, 3200]$, $[562, 1664]$, $[2367, 3712]$, $[3447, 3968]$, $[1087, 2112]$, $[1171, 3648]$
434. $[2020, 2048]$, $[674, 3072]$, $[79, 512]$, $[421, 2560]$, $[368, 3584]$, $[1584, 2304]$, $[2715, 3328]$, $[2684, 768]$, $[3258, 2816]$, $[41, 3840]$, $[839, 128]$, $[3347, 2176]$, $[2585, 2688]$, $[3388, 1408]$, $[2833, 1600]$
435. $[642, 2048]$, $[888, 3072]$, $[2400, 1536]$, $[496, 3584]$, $[1638, 2304]$, $[3764, 3328]$, $[651, 2816]$, $[116, 1792]$, $[238, 3840]$, $[1032, 128]$, $[119, 2688]$, $[2101, 1664]$, $[2615, 576]$, $[3329, 3648]$, $[2709, 3392]$
436. $[324, 2048]$, $[978, 3072]$, $[338, 512]$, $[2059, 2560]$, $[1414, 1536]$, $[1352, 3584]$, $[1193, 2304]$, $[3695, 768]$, $[1079, 2816]$, $[1236, 3840]$, $[3130, 2688]$, $[3659, 1920]$, $[2384, 3968]$, $[1683, 3136]$, $[1038, 832]$
437. $[1816, 2048]$, $[596, 3072]$, $[2529, 512]$, $[3083, 2560]$, $[1464, 1536]$, $[1448, 3584]$, $[1639, 768]$, $[126, 2816]$, $[2053, 3840]$, $[3173, 3200]$, $[1041, 1664]$, $[1595, 3712]$, $[3329, 1408]$, $[2627, 3968]$, $[2308, 1600]$
438. $[1602, 2048]$, $[648, 3072]$, $[3564, 512]$, $[199, 2560]$, $[1166, 1536]$, $[2360, 3584]$, $[2805, 2304]$, $[2669, 2816]$, $[1029, 128]$, $[1056, 1664]$, $[2070, 3712]$, $[2310, 1600]$, $[2491, 3648]$, $[3510, 1856]$, $[2634, 2144]$
439. $[628, 2048]$, $[2, 3072]$, $[1531, 512]$, $[3453, 2560]$, $[2235, 1536]$, $[1464, 3584]$, $[51, 2304]$, $[1246, 768]$, $[2071, 2816]$, $[2621, 3840]$, $[2160, 3712]$, $[1346, 1920]$, $[3843, 2112]$, $[3505, 448]$, $[2715, 960]$
440. $[1202, 2048]$, $[2378, 3072]$, $[3165, 512]$, $[2157, 2560]$, $[1289, 1536]$, $[1144, 3584]$, $[1277, 2304]$, $[1109, 768]$, $[199, 2816]$, $[3954, 1664]$, $[1800, 1408]$, $[2383, 3968]$, $[2364, 2368]$, $[3236, 3392]$, $[3863, 3264]$
441. $[978, 2048]$, $[1016, 3072]$, $[86, 512]$, $[415, 1536]$, $[1400, 3584]$, $[540, 2304]$, $[737, 3328]$, $[2802, 2816]$, $[2666, 1792]$, $[3196, 128]$, $[3585, 2176]$, $[1885, 3200]$, $[2308, 1664]$, $[1942, 576]$, $[2875, 3904]$
442. $[2000, 2048]$, $[2424, 3072]$, $[2431, 512]$, $[2494, 2560]$, $[1339, 1536]$, $[1092, 3584]$, $[3698, 3328]$, $[1226, 768]$, $[2263, 2816]$, $[114, 3840]$, $[1900, 2176]$, $[3938, 2944]$, $[2232, 3136]$, $[3713, 3392]$, $[692, 1856]$
443. $[1586, 2048]$, $[2220, 3072]$, $[3124, 512]$, $[2134, 2560]$, $[2105, 1536]$, $[3140, 3584]$, $[2563, 2304]$, $[2178, 3328]$, $[2156, 1792]$, $[1644, 2176]$, $[3159, 2688]$, $[1142, 1664]$, $[2939, 3968]$, $[2967, 2368]$, $[471, 2080]$
444. $[1802, 2048]$, $[2520, 512]$, $[1209, 2560]$, $[1143, 1536]$, $[2148, 3584]$, $[2697, 2304]$, $[30, 768]$, $[1785, 3840]$, $[1574, 2176]$, $[1898, 3200]$, $[3156, 1408]$, $[3360, 1920]$, $[1190, 2112]$, $[941, 3136]$, $[589, 2592]$
445. $[1700, 2048]$, $[2292, 3072]$, $[375, 512]$, $[122, 2560]$, $[2493, 1536]$, $[2132, 3584]$, $[1145, 2304]$, $[3660, 3328]$, $[1611, 768]$, $[587, 128]$, $[2305, 3712]$, $[1570, 1408]$, $[1981, 1600]$, $[2309, 704]$, $[2054, 1472]$

446. $[52, 2048]$, $[2204, 3072]$, $[1417, 512]$, $[2423, 2560]$, $[475, 1536]$, $[1108, 3584]$, $[532, 2304]$, $[637, 3328]$, $[3078, 768]$, $[1888, 128]$, $[2152, 2176]$, $[597, 3200]$, $[2467, 3136]$, $[2705, 3648]$, $[3996, 1856]$
447. $[1372, 2048]$, $[2860, 3072]$, $[1429, 512]$, $[2468, 1536]$, $[2484, 3584]$, $[2686, 3328]$, $[1111, 768]$, $[605, 2816]$, $[3690, 1792]$, $[3665, 3200]$, $[3927, 1664]$, $[1914, 1920]$, $[298, 576]$, $[793, 832]$, $[3855, 448]$
448. $[1958, 2048]$, $[780, 3072]$, $[2375, 512]$, $[3142, 2560]$, $[3286, 1536]$, $[1396, 3584]$, $[3224, 3328]$, $[3690, 768]$, $[1248, 1792]$, $[3730, 3840]$, $[1295, 2176]$, $[2643, 3200]$, $[3119, 1664]$, $[1464, 2368]$, $[907, 3264]$
449. $[1394, 2048]$, $[2060, 3072]$, $[3436, 512]$, $[116, 2560]$, $[1126, 1536]$, $[1100, 3584]$, $[597, 2304]$, $[3321, 768]$, $[1682, 1792]$, $[1541, 2176]$, $[2381, 3712]$, $[3926, 1408]$, $[844, 1920]$, $[3512, 2368]$, $[3617, 3904]$
450. $[842, 2048]$, $[3058, 3072]$, $[197, 512]$, $[1393, 2560]$, $[3372, 3584]$, $[730, 768]$, $[647, 2816]$, $[57, 1792]$, $[2832, 128]$, $[3111, 2176]$, $[2921, 2688]$, $[2315, 3712]$, $[3120, 2368]$, $[2690, 3520]$, $[708, 1312]$
451. $[954, 2048]$, $[1180, 512]$, $[211, 2560]$, $[148, 1536]$, $[364, 3584]$, $[3290, 2304]$, $[2102, 768]$, $[210, 2816]$, $[1545, 1792]$, $[523, 2176]$, $[3608, 2688]$, $[870, 3712]$, $[2588, 3968]$, $[184, 576]$, $[2718, 3648]$
452. $[202, 2048]$, $[568, 3072]$, $[475, 512]$, $[172, 2560]$, $[3164, 3584]$, $[1641, 2304]$, $[2582, 1792]$, $[3182, 3840]$, $[1123, 128]$, $[2170, 3712]$, $[2629, 1920]$, $[1798, 2112]$, $[1826, 1600]$, $[3593, 3648]$, $[562, 960]$
453. $[660, 2048]$, $[508, 3072]$, $[2271, 512]$, $[2190, 2560]$, $[168, 1536]$, $[316, 3584]$, $[2144, 2304]$, $[1607, 3200]$, $[581, 2944]$, $[1400, 1920]$, $[2613, 3136]$, $[1463, 576]$, $[2218, 2368]$, $[2436, 1856]$, $[3133, 3264]$
454. $[870, 2048]$, $[2562, 3072]$, $[1085, 512]$, $[88, 2560]$, $[98, 1536]$, $[1340, 3584]$, $[3629, 768]$, $[628, 2816]$, $[2591, 3840]$, $[2143, 128]$, $[3107, 1664]$, $[3887, 1920]$, $[1900, 3968]$, $[1056, 832]$, $[3641, 704]$
455. $[1708, 2048]$, $[428, 3072]$, $[1327, 512]$, $[444, 2560]$, $[1212, 3584]$, $[2722, 2304]$, $[2091, 3840]$, $[1097, 128]$, $[2123, 2176]$, $[2330, 1664]$, $[364, 3712]$, $[1136, 3968]$, $[1309, 2112]$, $[2203, 3648]$, $[2341, 2880]$
456. $[1186, 2048]$, $[3068, 3072]$, $[2350, 512]$, $[1058, 1536]$, $[1474, 3584]$, $[210, 2304]$, $[135, 3328]$, $[1644, 2816]$, $[70, 1792]$, $[323, 2176]$, $[3701, 2944]$, $[1414, 3648]$, $[2309, 2368]$, $[900, 1856]$, $[2863, 448]$
457. $[428, 2048]$, $[2148, 3072]$, $[1350, 512]$, $[1297, 1536]$, $[1042, 3584]$, $[116, 2304]$, $[672, 3328]$, $[3624, 768]$, $[3107, 2816]$, $[3213, 3840]$, $[1035, 3200]$, $[2128, 2688]$, $[1331, 3968]$, $[946, 3264]$, $[3767, 704]$
458. $[1020, 2048]$, $[890, 3072]$, $[257, 512]$, $[1530, 1536]$, $[3410, 3584]$, $[2236, 2304]$, $[203, 3328]$, $[633, 2816]$, $[1727, 3840]$, $[1383, 2176]$, $[2356, 1664]$, $[1107, 3968]$, $[2457, 3264]$, $[2872, 1984]$, $[3669, 2144]$
459. $[118, 2048]$, $[988, 3072]$, $[1476, 512]$, $[1363, 2560]$, $[2482, 3584]$, $[1139, 2304]$, $[2170, 768]$, $[1047, 2816]$, $[1634, 3840]$, $[2676, 1664]$, $[1841, 2944]$, $[571, 1920]$, $[318, 3136]$, $[1956, 1600]$, $[2706, 2880]$
460. $[234, 2048]$, $[2882, 3072]$, $[1365, 512]$, $[1138, 1536]$, $[3570, 3584]$, $[3598, 3328]$, $[3106, 768]$, $[2268, 2816]$, $[284, 128]$, $[638, 2176]$, $[3094, 2688]$, $[1857, 1664]$, $[1403, 2944]$, $[2725, 3392]$, $[2096, 832]$
461. $[68, 2048]$, $[2796, 3072]$, $[3267, 512]$, $[2268, 2560]$, $[3077, 1536]$, $[2186, 3584]$, $[682, 768]$, $[2669, 3840]$, $[855, 2176]$, $[2404, 1664]$, $[1880, 3712]$, $[1873, 2944]$, $[70, 1920]$, $[3111, 1600]$, $[1414, 3392]$
462. $[1396, 2048]$, $[2652, 3072]$, $[367, 512]$, $[1528, 2560]$, $[2282, 3584]$, $[2149, 3328]$, $[3616, 2816]$, $[3899, 128]$, $[2855, 3200]$, $[1051, 3712]$, $[70, 2944]$, $[3243, 3648]$, $[3970, 2368]$, $[3993, 3392]$, $[267, 704]$
463. $[1932, 2048]$, $[2984, 3072]$, $[2101, 512]$, $[2547, 2560]$, $[3118, 1536]$, $[3226, 3584]$, $[3254, 3328]$, $[2749, 768]$, $[3709, 1792]$, $[585, 3200]$, $[262, 2688]$, $[372, 1664]$, $[3129, 1408]$, $[2833, 1920]$, $[3868, 832]$
464. $[1706, 2048]$, $[444, 3072]$, $[2454, 512]$, $[1377, 2560]$, $[1417, 1536]$, $[2458, 3584]$, $[3269, 2304]$, $[3825, 768]$, $[675, 2816]$, $[2655, 128]$, $[3451, 1664]$, $[79, 3712]$, $[1887, 1408]$, $[3989, 576]$, $[4029, 1472]$
465. $[1370, 2048]$, $[604, 3072]$, $[3271, 512]$, $[398, 2560]$, $[3227, 1536]$, $[2106, 3584]$, $[3640, 2304]$, $[2223, 1792]$, $[721, 3840]$, $[2159, 128]$, $[1115, 2176]$, $[3912, 1408]$, $[1164, 3136]$, $[129, 3904]$, $[834, 2080]$
466. $[336, 2048]$, $[2780, 3072]$, $[1223, 2560]$, $[65, 1536]$, $[442, 3584]$, $[1745, 2304]$, $[1082, 768]$, $[1252, 2816]$, $[2251, 3840]$, $[2605, 3200]$, $[2068, 2688]$, $[3603, 1664]$, $[1832, 3648]$, $[2103, 1472]$, $[3917, 3232]$
467. $[1346, 2048]$, $[2876, 3072]$, $[1490, 512]$, $[2254, 2560]$, $[1313, 1536]$, $[3366, 3584]$, $[1632, 2304]$, $[3275, 3328]$, $[2803, 2816]$, $[3319, 1792]$, $[3151, 3200]$, $[1351, 1408]$, $[2358, 1920]$, $[1158, 2112]$, $[1035, 1600]$
468. $[122, 2048]$, $[2556, 3072]$, $[1208, 512]$, $[1387, 2560]$, $[3241, 1536]$, $[2294, 3584]$, $[730, 2304]$, $[3676, 3328]$, $[2273, 768]$, $[83, 1792]$, $[3813, 3840]$, $[1811, 128]$, $[1818, 2688]$, $[1294, 1664]$, $[164, 832]$
469. $[666, 2048]$, $[76, 3072]$, $[1452, 512]$, $[2550, 3584]$, $[80, 3328]$, $[3824, 2816]$, $[2164, 1792]$, $[1026, 3840]$, $[3708, 128]$, $[3953, 1664]$, $[1133, 3712]$, $[2942, 1408]$, $[1432, 576]$, $[3625, 2368]$, $[2331, 1984]$
470. $[1158, 2048]$, $[588, 3072]$, $[47, 512]$, $[1420, 1536]$, $[430, 3584]$, $[3118, 3328]$, $[2168, 768]$, $[3664, 1792]$, $[788, 128]$, $[3869, 2176]$, $[280, 3200]$, $[2170, 1920]$, $[515, 2112]$, $[1187, 3136]$, $[1499, 3232]$
471. $[1388, 2048]$, $[2428, 3072]$, $[341, 512]$, $[2407, 2560]$, $[473, 1536]$, $[3310, 3584]$, $[2111, 3328]$, $[1190, 768]$, $[2758, 1792]$, $[1376, 128]$, $[1865, 2688]$, $[631, 3712]$, $[3707, 1408]$, $[2452, 192]$, $[2907, 1696]$

472. $[738, 2048]$, $[2790, 3072]$, $[1318, 512]$, $[3163, 1536]$, $[3566, 3584]$, $[2806, 2304]$, $[1185, 768]$, $[2154, 1792]$, $[601, 3840]$, $[102, 128]$, $[3412, 3200]$, $[3387, 1600]$, $[3460, 3648]$, $[555, 2880]$, $[139, 4032]$
473. $[1222, 2048]$, $[2508, 3072]$, $[2466, 512]$, $[2417, 2560]$, $[3334, 1536]$, $[3166, 3584]$, $[2688, 2304]$, $[3105, 2816]$, $[1558, 3840]$, $[1890, 3200]$, $[3711, 1664]$, $[2158, 1408]$, $[1334, 576]$, $[1942, 448]$, $[454, 1824]$
474. $[1772, 2048]$, $[2892, 3072]$, $[3358, 512]$, $[1436, 1536]$, $[1150, 3584]$, $[3672, 2304]$, $[3113, 3328]$, $[3710, 2816]$, $[648, 1792]$, $[3846, 3200]$, $[2172, 1664]$, $[1112, 1920]$, $[1889, 3968]$, $[172, 576]$, $[2444, 2592]$
475. $[422, 2048]$, $[2234, 3072]$, $[151, 512]$, $[3522, 1536]$, $[3454, 3584]$, $[555, 2304]$, $[3804, 768]$, $[1269, 2816]$, $[2063, 1792]$, $[3819, 3840]$, $[3087, 128]$, $[1065, 2688]$, $[1403, 3968]$, $[1547, 2112]$, $[1200, 3136]$
476. $[668, 2048]$, $[2756, 3072]$, $[3485, 512]$, $[3459, 1536]$, $[2337, 3584]$, $[767, 3328]$, $[2050, 3840]$, $[782, 128]$, $[865, 2176]$, $[2912, 3200]$, $[97, 2688]$, $[3400, 1920]$, $[923, 3392]$, $[2238, 192]$, $[692, 960]$
477. $[1692, 2048]$, $[796, 3072]$, $[1261, 512]$, $[2345, 1536]$, $[2273, 3584]$, $[2288, 2304]$, $[2596, 3328]$, $[3649, 768]$, $[132, 1792]$, $[205, 3840]$, $[341, 2688]$, $[3940, 1664]$, $[1291, 3712]$, $[3761, 2112]$, $[3351, 3648]$
478. $[836, 2048]$, $[2914, 3072]$, $[156, 2560]$, $[1157, 1536]$, $[241, 3584]$, $[3703, 2304]$, $[3832, 2816]$, $[1065, 128]$, $[2079, 3200]$, $[3622, 2688]$, $[595, 3712]$, $[1878, 1408]$, $[534, 3968]$, $[1948, 3904]$, $[3724, 192]$
479. $[86, 2048]$, $[2850, 3072]$, $[2492, 512]$, $[2067, 2560]$, $[1323, 1536]$, $[2289, 3584]$, $[542, 2304]$, $[2200, 3328]$, $[2616, 768]$, $[77, 1792]$, $[637, 3840]$, $[3105, 2944]$, $[3401, 3968]$, $[302, 1600]$, $[1812, 2880]$
480. $[1688, 2048]$, $[658, 3072]$, $[1069, 512]$, $[399, 2560]$, $[1321, 3584]$, $[755, 2304]$, $[1151, 768]$, $[2289, 2816]$, $[3765, 3840]$, $[2865, 128]$, $[3332, 3200]$, $[1799, 2688]$, $[2058, 2944]$, $[1967, 3392]$, $[2319, 704]$
481. $[1524, 2048]$, $[2770, 3072]$, $[3457, 512]$, $[2243, 1536]$, $[2153, 3584]$, $[95, 2304]$, $[3729, 768]$, $[3793, 2816]$, $[2605, 2944]$, $[331, 1920]$, $[1800, 3968]$, $[1322, 576]$, $[814, 192]$, $[1189, 704]$, $[2328, 2080]$
482. $[636, 2048]$, $[678, 3072]$, $[3090, 512]$, $[412, 2560]$, $[1129, 3584]$, $[563, 2304]$, $[2813, 1792]$, $[3269, 3840]$, $[2839, 128]$, $[1904, 3200]$, $[2413, 1664]$, $[2319, 3712]$, $[1578, 1920]$, $[2339, 3968]$, $[2969, 3904]$
483. $[988, 2048]$, $[2788, 3072]$, $[2287, 2560]$, $[3433, 3584]$, $[3278, 3328]$, $[3111, 768]$, $[3771, 2816]$, $[755, 1792]$, $[3770, 3840]$, $[3446, 128]$, $[2916, 2176]$, $[304, 1664]$, $[1648, 1920]$, $[2208, 3904]$, $[3549, 3104]$
484. $[2038, 2048]$, $[3042, 3072]$, $[390, 512]$, $[1029, 2560]$, $[3097, 3584]$, $[552, 2304]$, $[2133, 3328]$, $[592, 2816]$, $[1279, 1792]$, $[2668, 1664]$, $[3888, 1408]$, $[1308, 2944]$, $[1625, 1920]$, $[2232, 576]$, $[143, 3520]$
485. $[826, 2048]$, $[2150, 3072]$, $[2277, 512]$, $[1170, 2560]$, $[2201, 3584]$, $[1725, 2304]$, $[720, 3328]$, $[1691, 768]$, $[1195, 2816]$, $[2782, 1792]$, $[3440, 3200]$, $[596, 1664]$, $[2393, 1408]$, $[2311, 576]$, $[1175, 832]$
486. $[258, 2048]$, $[2950, 3072]$, $[1477, 512]$, $[1155, 2560]$, $[263, 1536]$, $[1413, 3584]$, $[3254, 2304]$, $[3233, 3328]$, $[2258, 3840]$, $[822, 128]$, $[2622, 1408]$, $[57, 3392]$, $[3239, 2880]$, $[3359, 1856]$, $[1669, 3904]$
487. $[1922, 2048]$, $[914, 3072]$, $[1442, 2560]$, $[1372, 1536]$, $[1189, 3584]$, $[733, 3328]$, $[762, 768]$, $[2637, 2816]$, $[2690, 3840]$, $[3394, 128]$, $[77, 3712]$, $[841, 1408]$, $[828, 2944]$, $[3192, 1920]$, $[1964, 2112]$
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489. $[1258, 2048]$, $[738, 3072]$, $[1251, 512]$, $[2197, 3584]$, $[2155, 2304]$, $[2602, 3328]$, $[3766, 768]$, $[1211, 2816]$, $[3675, 1792]$, $[2718, 3840]$, $[82, 3200]$, $[831, 1408]$, $[3393, 3968]$, $[2476, 2368]$, $[315, 832]$
490. $[600, 2048]$, $[2844, 3072]$, $[1182, 512]$, $[2147, 2560]$, $[3221, 3584]$, $[2600, 3328]$, $[2178, 768]$, $[1277, 1792]$, $[3095, 3840]$, $[1879, 128]$, $[876, 1664]$, $[831, 2944]$, $[776, 1920]$, $[513, 3392]$, $[3003, 3904]$
491. $[476, 2048]$, $[582, 3072]$, $[2338, 512]$, $[201, 2560]$, $[2527, 1536]$, $[2517, 3584]$, $[3181, 2304]$, $[1083, 768]$, $[246, 2816]$, $[674, 1792]$, $[2696, 3840]$, $[1383, 3200]$, $[1607, 1664]$, $[1553, 576]$, $[428, 192]$
492. $[186, 2048]$, $[2156, 3072]$, $[3135, 512]$, $[3220, 2560]$, $[1025, 1536]$, $[309, 3584]$, $[1118, 2304]$, $[2757, 3328]$, $[2669, 768]$, $[2562, 1792]$, $[1272, 3840]$, $[3174, 128]$, $[1087, 2176]$, $[2877, 2688]$, $[786, 1856]$
493. $[1350, 2048]$, $[546, 3072]$, $[3236, 2560]$, $[2421, 3584]$, $[167, 2304]$, $[238, 3328]$, $[3818, 768]$, $[3073, 128]$, $[780, 2176]$, $[2619, 3200]$, $[2173, 2688]$, $[3379, 3648]$, $[3006, 2368]$, $[3774, 2880]$, $[2969, 1888]$
494. $[596, 2048]$, $[2050, 3072]$, $[277, 512]$, $[3582, 2560]$, $[3171, 1536]$, $[1293, 3584]$, $[3201, 2304]$, $[522, 3328]$, $[2805, 2816]$, $[1267, 3840]$, $[111, 2176]$, $[2653, 3200]$, $[2076, 3712]$, $[3238, 576]$, $[1927, 3648]$
495. $[1026, 2048]$, $[908, 3072]$, $[2471, 512]$, $[2221, 2560]$, $[2215, 1536]$, $[3501, 3584]$, $[1552, 3328]$, $[1745, 768]$, $[2287, 1792]$, $[2587, 128]$, $[52, 3712]$, $[2092, 1920]$, $[343, 3968]$, $[1199, 2112]$, $[1038, 2368]$
496. $[1876, 2048]$, $[162, 3072]$, $[134, 512]$, $[3347, 2560]$, $[3412, 1536]$, $[259, 3584]$, $[526, 3328]$, $[3137, 3840]$, $[2906, 128]$, $[1331, 2688]$, $[1856, 1664]$, $[3687, 2944]$, $[2717, 3648]$, $[1948, 2880]$, $[1214, 1472]$
497. $[1196, 2048]$, $[472, 3072]$, $[2068, 512]$, $[2316, 1536]$, $[67, 3584]$, $[3155, 768]$, $[1157, 3840]$, $[591, 128]$, $[3397, 2176]$, $[3585, 3200]$, $[1609, 2688]$, $[1309, 1664]$, $[2662, 3712]$, $[4012, 2368]$, $[3601, 3520]$

498. [1722, 2048], [884, 3072], [3571, 512], [3389, 2560], [3307, 1536], [3107, 3584], [3074, 2304], [3710, 3328], [151, 2816], [71, 2176], [835, 3200], [668, 3136], [3981, 3904], [921, 3520], [2200, 1984]
499. [1894, 2048], [2658, 3072], [2426, 512], [489, 2560], [1235, 3584], [2265, 768], [3276, 3840], [3692, 128], [3675, 2176], [120, 3712], [58, 1408], [3606, 2944], [395, 3136], [1960, 576], [2905, 2592]
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501. [860, 2048], [524, 3072], [2326, 512], [1452, 2560], [1294, 1536], [1515, 3584], [1215, 3328], [3816, 768], [3306, 3840], [1151, 3200], [1105, 1408], [2844, 576], [3774, 1600], [3763, 832], [2573, 2464]
502. [162, 2048], [2278, 3072], [3167, 512], [107, 2560], [63, 1536], [3563, 3584], [727, 2304], [2243, 3328], [1598, 3200], [3688, 2688], [3909, 3712], [2738, 3648], [775, 2368], [418, 3904], [1674, 4032]
503. [460, 2048], [700, 3072], [1463, 2560], [3466, 1536], [411, 3584], [1059, 2304], [2222, 3328], [3109, 768], [809, 128], [1123, 2176], [2386, 1408], [3937, 1920], [3728, 2112], [60, 704], [3593, 3744]
504. [1810, 2048], [2458, 3072], [2299, 512], [2430, 1536], [3419, 3584], [2059, 3328], [2222, 2816], [76, 2176], [1103, 3200], [1847, 2688], [1584, 3712], [1826, 1920], [3586, 2880], [2867, 3904], [299, 1984]
505. [390, 2048], [3044, 3072], [317, 512], [3239, 2560], [3479, 1536], [2267, 3584], [1219, 3328], [3634, 768], [2840, 2176], [588, 3200], [1131, 2688], [62, 576], [3610, 2368], [286, 3264], [2445, 2592]
506. [1724, 2048], [994, 3072], [394, 512], [3149, 2560], [1243, 3584], [3189, 768], [2613, 2816], [740, 1792], [3163, 128], [1797, 3200], [3442, 1664], [3661, 3712], [1159, 3136], [3081, 2080], [3281, 1312]
507. [38, 2048], [2938, 3072], [3491, 512], [423, 2560], [437, 1536], [3515, 3584], [1138, 768], [2243, 2816], [582, 1792], [1060, 3200], [836, 1664], [547, 1408], [3854, 2880], [3114, 960], [791, 2080]
508. [300, 2048], [2530, 3072], [2178, 512], [337, 2560], [43, 1536], [1275, 3584], [3150, 2304], [210, 768], [153, 2816], [3838, 3840], [3663, 128], [838, 2688], [3904, 2944], [3865, 3136], [2359, 2880]
509. [564, 2048], [2706, 3072], [2439, 512], [114, 2560], [2417, 1536], [3095, 3584], [1779, 2304], [1263, 3328], [183, 1792], [110, 3840], [2146, 128], [1584, 3200], [3958, 2944], [928, 2112], [1545, 1600]
510. [1238, 2048], [2322, 3072], [2521, 512], [2186, 2560], [3245, 1536], [1303, 3584], [3238, 2816], [766, 1792], [3094, 128], [803, 2176], [571, 3200], [1361, 2688], [115, 3712], [2174, 1920], [82, 3968]
511. [724, 2048], [2226, 3072], [114, 512], [351, 2560], [2301, 1536], [247, 3584], [1164, 2304], [2630, 3328], [645, 2816], [3327, 1792], [95, 1664], [1372, 3712], [2101, 2112], [160, 1600], [3380, 960]
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514. [966, 2048], [2514, 3072], [1485, 2560], [3119, 1536], [3358, 3584], [160, 2304], [251, 2816], [618, 1792], [67, 3840], [308, 2176], [2379, 1664], [554, 2944], [2218, 576], [303, 3648], [1443, 2880]
515. [1638, 2048], [642, 3072], [1350, 2560], [1274, 1536], [271, 3584], [1616, 2304], [1074, 768], [2266, 2816], [1562, 3840], [3178, 1664], [2595, 1920], [3336, 3136], [3890, 3392], [941, 3904], [3000, 1984]
516. [1902, 2048], [2178, 3072], [179, 512], [2214, 2560], [3284, 1536], [2256, 2304], [2730, 768], [3297, 2816], [100, 1792], [567, 3200], [2584, 1664], [1302, 3968], [2982, 2112], [3122, 832], [646, 3520]
517. [1548, 2048], [2740, 3072], [1481, 512], [8, 2560], [1101, 1536], [3280, 2304], [3639, 3328], [1661, 128], [2885, 2176], [878, 3200], [1837, 2688], [359, 1664], [3692, 3712], [63, 1920], [2962, 3136]
518. [1190, 2048], [2162, 3072], [2346, 512], [464, 1536], [2160, 2304], [730, 3328], [695, 1792], [1658, 2688], [3881, 3712], [3371, 2944], [2999, 2112], [1975, 3136], [1411, 1856], [3242, 4032], [3740, 1824]
519. [1606, 2048], [932, 3072], [1463, 512], [3111, 2560], [232, 1536], [2139, 3584], [1264, 2304], [1706, 3328], [3129, 768], [2730, 2816], [2604, 3840], [3639, 2688], [1404, 1664], [3902, 2112], [2734, 3264]
520. [920, 2048], [860, 3072], [1307, 512], [2355, 2560], [1499, 1536], [2411, 3584], [2056, 2304], [2297, 3328], [3637, 1792], [3080, 2176], [2651, 1408], [3849, 2112], [3850, 3648], [2334, 3392], [2052, 4032]
521. [1418, 2048], [630, 3072], [1027, 512], [2389, 2560], [1352, 1536], [2523, 3584], [1128, 2304], [99, 3328], [824, 128], [3918, 2688], [770, 3968], [1721, 1600], [308, 3392], [1710, 3904], [2453, 1472]
522. [1052, 2048], [102, 3072], [1118, 512], [1496, 2560], [164, 1536], [3098, 3584], [1176, 2304], [3831, 1792], [649, 3840], [1124, 3200], [3910, 2688], [2163, 1664], [1281, 2944], [1047, 2368], [3721, 704]
523. [182, 2048], [2414, 3072], [291, 512], [354, 1536], [484, 3584], [2648, 2304], [749, 3328], [1682, 768], [1707, 1792], [2572, 2688], [310, 1664], [3909, 1920], [2186, 3136], [3598, 1600], [677, 1472]

524. $[900, 2048]$, $[106, 3072]$, $[2062, 512]$, $[1252, 2560]$, $[3198, 3584]$, $[3076, 2304]$, $[2599, 768]$, $[2590, 2816]$, $[3818, 1792]$, $[119, 1664]$, $[2586, 2944]$, $[1288, 192]$, $[262, 3264]$, $[518, 3520]$, $[3481, 1056]$
525. $[486, 2048]$, $[644, 3072]$, $[2246, 512]$, $[3532, 2560]$, $[1155, 3584]$, $[3236, 2304]$, $[1629, 2816]$, $[1661, 1792]$, $[52, 3840]$, $[1564, 128]$, $[2828, 2688]$, $[429, 2368]$, $[1819, 192]$, $[2588, 3520]$, $[3974, 2080]$
526. $[1430, 2048]$, $[108, 3072]$, $[1275, 2560]$, $[1246, 1536]$, $[2148, 2304]$, $[751, 2816]$, $[3254, 1792]$, $[2568, 3840]$, $[1326, 2176]$, $[3923, 3200]$, $[3103, 1664]$, $[1305, 3712]$, $[1405, 2944]$, $[898, 3136]$, $[1453, 1600]$
527. $[514, 2048]$, $[140, 3072]$, $[1284, 512]$, $[1520, 1536]$, $[2708, 2304]$, $[1557, 3328]$, $[2077, 768]$, $[3302, 2816]$, $[2190, 1792]$, $[1163, 3840]$, $[1306, 128]$, $[1071, 2944]$, $[3672, 3968]$, $[1958, 3904]$, $[1847, 4032]$
528. $[898, 2048]$, $[918, 3072]$, $[2391, 512]$, $[1365, 2560]$, $[2398, 1536]$, $[1684, 2304]$, $[2765, 3328]$, $[3822, 768]$, $[692, 2816]$, $[1846, 2176]$, $[106, 3200]$, $[3131, 2688]$, $[2746, 1600]$, $[1852, 448]$, $[1943, 608]$
529. $[892, 2048]$, $[2798, 3072]$, $[3197, 512]$, $[276, 2560]$, $[2553, 1536]$, $[2132, 2304]$, $[191, 3328]$, $[3214, 2816]$, $[2222, 1792]$, $[3143, 3840]$, $[2633, 2176]$, $[887, 3200]$, $[3468, 576]$, $[690, 2368]$, $[3503, 1856]$
530. $[1025, 2048]$, $[536, 3072]$, $[1207, 512]$, $[171, 2560]$, $[1133, 1536]$, $[2644, 2304]$, $[518, 768]$, $[2161, 2816]$, $[1209, 1792]$, $[3862, 128]$, $[2375, 3712]$, $[2834, 1920]$, $[1939, 3392]$, $[2488, 704]$, $[2305, 1472]$
531. $[742, 2048]$, $[322, 3072]$, $[3238, 512]$, $[2140, 2560]$, $[260, 1536]$, $[3192, 3584]$, $[2676, 2304]$, $[2696, 3328]$, $[2158, 768]$, $[2296, 1792]$, $[2562, 128]$, $[259, 3200]$, $[3678, 1664]$, $[3146, 3968]$, $[1583, 960]$
532. $[1036, 2048]$, $[466, 3072]$, $[2330, 512]$, $[3094, 2560]$, $[3250, 1536]$, $[524, 2304]$, $[2131, 768]$, $[2084, 3840]$, $[576, 2176]$, $[3432, 3200]$, $[825, 3712]$, $[1657, 1920]$, $[1708, 3648]$, $[1182, 2368]$, $[4018, 2880]$
533. $[930, 2048]$, $[2674, 3072]$, $[492, 512]$, $[3447, 2560]$, $[344, 1536]$, $[1053, 3584]$, $[2636, 2304]$, $[2125, 1792]$, $[169, 3840]$, $[587, 3200]$, $[2931, 1664]$, $[1375, 2944]$, $[3741, 2112]$, $[191, 704]$, $[1874, 2080]$
534. $[1314, 2048]$, $[206, 3072]$, $[2083, 512]$, $[330, 2560]$, $[3122, 1536]$, $[204, 2304]$, $[3626, 3840]$, $[3364, 128]$, $[3641, 2176]$, $[2579, 3200]$, $[1352, 1664]$, $[548, 1408]$, $[908, 576]$, $[2733, 1600]$, $[1691, 3904]$
535. $[732, 2048]$, $[2700, 3072]$, $[3103, 512]$, $[2203, 2560]$, $[3440, 3584]$, $[172, 2304]$, $[1181, 3328]$, $[589, 2816]$, $[1050, 1792]$, $[1047, 3840]$, $[3873, 3712]$, $[3125, 2112]$, $[807, 2368]$, $[644, 832]$, $[469, 1312]$
536. $[1312, 2048]$, $[818, 3072]$, $[3467, 512]$, $[2350, 2560]$, $[2091, 3584]$, $[3228, 2304]$, $[3722, 768]$, $[2298, 2816]$, $[1730, 1792]$, $[2676, 3840]$, $[3698, 128]$, $[2327, 2944]$, $[549, 1920]$, $[3368, 3392]$, $[3551, 3232]$
537. $[1714, 2048]$, $[2374, 3072]$, $[339, 512]$, $[1149, 2560]$, $[3199, 1536]$, $[1291, 3584]$, $[1698, 2304]$, $[2218, 3328]$, $[2768, 768]$, $[1912, 2176]$, $[891, 3200]$, $[637, 2688]$, $[2682, 1664]$, $[3658, 1408]$, $[907, 2112]$
538. $[1280, 2048]$, $[3084, 512]$, $[3254, 3584]$, $[2578, 2304]$, $[1129, 768]$, $[1065, 2816]$, $[2694, 1792]$, $[2744, 3840]$, $[1836, 128]$, $[2857, 3200]$, $[1885, 2944]$, $[570, 1920]$, $[2592, 3136]$, $[135, 1600]$, $[2615, 3904]$
539. $[626, 2048]$, $[172, 3072]$, $[3516, 512]$, $[1326, 2560]$, $[1106, 2304]$, $[2603, 3328]$, $[2095, 768]$, $[3785, 1792]$, $[1656, 128]$, $[1332, 2176]$, $[2640, 3200]$, $[308, 2688]$, $[2127, 1664]$, $[638, 3712]$, $[220, 2080]$
540. $[1858, 2048]$, $[2582, 3072]$, $[3382, 512]$, $[2171, 1536]$, $[2738, 2304]$, $[2778, 3328]$, $[1029, 1792]$, $[3633, 3840]$, $[1120, 128]$, $[1286, 1664]$, $[92, 1408]$, $[568, 3968]$, $[1170, 3136]$, $[2709, 1600]$, $[1587, 2368]$
541. $[1404, 2048]$, $[2412, 3072]$, $[278, 2560]$, $[3190, 3584]$, $[2794, 2304]$, $[2301, 3328]$, $[2111, 768]$, $[3681, 1792]$, $[2096, 128]$, $[3687, 2176]$, $[619, 3200]$, $[1655, 1664]$, $[1802, 3712]$, $[414, 2368]$, $[3602, 3904]$
542. $[348, 2048]$, $[308, 512]$, $[1476, 2560]$, $[84, 1536]$, $[2499, 3584]$, $[2742, 2304]$, $[531, 3328]$, $[1244, 1792]$, $[2916, 128]$, $[3338, 3200]$, $[826, 2688]$, $[3683, 1920]$, $[1827, 3968]$, $[154, 3136]$, $[2867, 2880]$
543. $[2, 2048]$, $[394, 3072]$, $[1405, 512]$, $[1277, 2560]$, $[1411, 1536]$, $[3133, 3584]$, $[2702, 2304]$, $[2682, 3328]$, $[2615, 768]$, $[705, 2816]$, $[139, 3840]$, $[115, 1920]$, $[301, 2368]$, $[901, 3904]$, $[3237, 4032]$
544. $[1330, 2048]$, $[2398, 3072]$, $[2353, 512]$, $[2209, 2560]$, $[1086, 1536]$, $[1225, 3584]$, $[590, 2304]$, $[553, 3328]$, $[3167, 768]$, $[2107, 1792]$, $[1132, 3840]$, $[2341, 1664]$, $[1159, 192]$, $[1343, 3264]$, $[2590, 4032]$
545. $[412, 2048]$, $[530, 3072]$, $[254, 512]$, $[3551, 2560]$, $[2342, 1536]$, $[1566, 2304]$, $[2691, 3328]$, $[1156, 768]$, $[1249, 2816]$, $[3306, 1792]$, $[2413, 2176]$, $[1355, 3200]$, $[3078, 2688]$, $[891, 3712]$, $[1542, 1600]$
546. $[1654, 2048]$, $[418, 3072]$, $[3567, 512]$, $[299, 2560]$, $[1241, 1536]$, $[2311, 3584]$, $[2174, 2304]$, $[2565, 3328]$, $[584, 1792]$, $[3761, 3840]$, $[3964, 128]$, $[592, 2944]$, $[697, 576]$, $[907, 1600]$, $[3930, 2080]$
547. $[550, 2048]$, $[2862, 3072]$, $[1381, 512]$, $[1099, 2560]$, $[13, 1536]$, $[1196, 3584]$, $[705, 2304]$, $[3081, 2816]$, $[3318, 1792]$, $[653, 3840]$, $[1058, 1408]$, $[380, 2944]$, $[3217, 1600]$, $[3488, 3648]$, $[1427, 1856]$
548. $[906, 2048]$, $[806, 3072]$, $[2204, 512]$, $[1532, 2560]$, $[243, 1536]$, $[2433, 3584]$, $[33, 2304]$, $[2707, 3328]$, $[571, 768]$, $[1780, 3840]$, $[1597, 128]$, $[3629, 2176]$, $[1356, 1408]$, $[1115, 3968]$, $[2365, 4032]$
549. $[594, 2048]$, $[2460, 3072]$, $[75, 512]$, $[2079, 2560]$, $[221, 3584]$, $[1633, 2304]$, $[1721, 2816]$, $[105, 3840]$, $[3199, 2176]$, $[3138, 2688]$, $[1794, 1664]$, $[1125, 1408]$, $[1171, 576]$, $[1174, 3648]$, $[3384, 832]$

550. $[946, 2048]$, $[2308, 3072]$, $[449, 512]$, $[1174, 2560]$, $[81, 2304]$, $[3237, 768]$, $[3716, 2816]$, $[1671, 3840]$, $[1825, 2176]$, $[2851, 1664]$, $[2670, 2944]$, $[570, 3968]$, $[1944, 2112]$, $[3990, 704]$, $[3715, 3104]$

551. $[938, 2048]$, $[898, 3072]$, $[439, 512]$, $[215, 2560]$, $[124, 1536]$, $[2609, 2304]$, $[1195, 768]$, $[1602, 1792]$, $[1106, 3840]$, $[3941, 128]$, $[2103, 2176]$, $[2604, 3712]$, $[335, 2944]$, $[2886, 1920]$, $[1466, 576]$

552. $[1818, 2048]$, $[414, 3072]$, $[1297, 512]$, $[1206, 2560]$, $[2532, 1536]$, $[3488, 3584]$, $[3785, 2304]$, $[533, 128]$, $[2366, 2176]$, $[1900, 1664]$, $[3438, 3712]$, $[775, 1920]$, $[922, 1600]$, $[802, 3904]$, $[3527, 3232]$

553. $[1634, 2048]$, $[2548, 512]$, $[2524, 1536]$, $[173, 3584]$, $[3113, 2304]$, $[2214, 3328]$, $[582, 768]$, $[2719, 1792]$, $[1251, 3840]$, $[1818, 1664]$, $[1882, 1408]$, $[1936, 1600]$, $[2218, 832]$, $[2200, 448]$, $[3201, 992]$

554. $[364, 2048]$, $[2546, 3072]$, $[1246, 512]$, $[2511, 2560]$, $[3198, 1536]$, $[3277, 3584]$, $[2665, 2304]$, $[2754, 3328]$, $[61, 2816]$, $[2217, 3840]$, $[2053, 2176]$, $[2868, 1664]$, $[2408, 1408]$, $[1159, 2880]$, $[1358, 2592]$

555. $[1748, 2048]$, $[486, 3072]$, $[1354, 512]$, $[301, 2560]$, $[377, 1536]$, $[537, 2304]$, $[3182, 768]$, $[136, 2816]$, $[1078, 3840]$, $[2339, 128]$, $[515, 1664]$, $[2111, 3712]$, $[2594, 1920]$, $[1683, 2112]$, $[1306, 2880]$

556. $[1562, 2048]$, $[513, 3072]$, $[1262, 512]$, $[142, 2560]$, $[3305, 1536]$, $[3450, 3584]$, $[3205, 2304]$, $[1716, 2816]$, $[3612, 128]$, $[830, 1920]$, $[3652, 3968]$, $[2199, 3648]$, $[535, 3904]$, $[2989, 448]$, $[1747, 2464]$

557. $[266, 2048]$, $[134, 3072]$, $[2421, 512]$, $[2103, 2560]$, $[87, 1536]$, $[2261, 3584]$, $[21, 2304]$, $[1212, 3328]$, $[2101, 2816]$, $[1633, 3840]$, $[3332, 2688]$, $[769, 1408]$, $[3493, 2368]$, $[3124, 832]$, $[2737, 1984]$

558. $[1214, 2048]$, $[218, 3072]$, $[355, 512]$, $[500, 2560]$, $[2473, 1536]$, $[693, 2304]$, $[3619, 3328]$, $[1201, 768]$, $[1129, 2816]$, $[1907, 128]$, $[330, 2688]$, $[1815, 2944]$, $[2474, 2112]$, $[3624, 3392]$, $[2479, 448]$

559. $[66, 2048]$, $[252, 3072]$, $[3298, 512]$, $[369, 2560]$, $[485, 1536]$, $[3085, 2304]$, $[2794, 3328]$, $[3612, 768]$, $[2084, 2816]$, $[1288, 128]$, $[1555, 2176]$, $[1622, 2688]$, $[1661, 1920]$, $[1548, 3968]$, $[92, 3488]$

560. $[2012, 2048]$, $[2710, 3072]$, $[1115, 512]$, $[1170, 1536]$, $[2077, 2304]$, $[2792, 3328]$, $[1580, 2816]$, $[1572, 3840]$, $[1893, 2176]$, $[1134, 3712]$, $[517, 1408]$, $[126, 1920]$, $[2996, 1600]$, $[2095, 2368]$, $[1565, 3360]$

561. $[834, 2048]$, $[2958, 3072]$, $[3386, 512]$, $[316, 2560]$, $[2341, 1536]$, $[1493, 3584]$, $[3805, 2304]$, $[2184, 768]$, $[1110, 1792]$, $[3346, 128]$, $[1849, 1408]$, $[661, 576]$, $[1554, 3392]$, $[693, 2880]$, $[1630, 928]$

562. $[922, 2048]$, $[50, 3072]$, $[1375, 512]$, $[2295, 2560]$, $[489, 1536]$, $[3651, 2304]$, $[3113, 3840]$, $[570, 128]$, $[2142, 2688]$, $[3709, 1664]$, $[1330, 2944]$, $[3944, 1920]$, $[2861, 2112]$, $[1047, 3136]$, $[945, 3264]$

563. $[402, 2048]$, $[2346, 3072]$, $[2522, 512]$, $[285, 1536]$, $[166, 3584]$, $[3619, 2304]$, $[1628, 3328]$, $[623, 768]$, $[1111, 2816]$, $[633, 3712]$, $[2817, 3136]$, $[2207, 2368]$, $[3631, 3392]$, $[1181, 448]$, $[2719, 3360]$

564. $[1850, 2048]$, $[2842, 3072]$, $[1262, 2560]$, $[3224, 1536]$, $[2234, 3584]$, $[2195, 2304]$, $[2118, 3328]$, $[1157, 768]$, $[2136, 2816]$, $[3132, 1792]$, $[3820, 3840]$, $[1820, 128]$, $[375, 1664]$, $[3505, 704]$, $[2056, 1984]$

565. $[1270, 2048]$, $[386, 3072]$, $[3446, 512]$, $[3399, 2560]$, $[430, 1536]$, $[3231, 3584]$, $[3219, 2304]$, $[3083, 3328]$, $[83, 768]$, $[760, 2816]$, $[3308, 1792]$, $[59, 128]$, $[1431, 2112]$, $[1674, 2368]$, $[39, 3392]$

566. $[1494, 2048]$, $[2689, 3072]$, $[181, 512]$, $[1292, 2560]$, $[1084, 1536]$, $[1376, 3584]$, $[1075, 2304]$, $[3124, 3328]$, $[3165, 1792]$, $[1585, 3840]$, $[2853, 3200]$, $[1122, 2688]$, $[777, 1920]$, $[3242, 3264]$, $[312, 1984]$

567. $[1658, 2048]$, $[2946, 3072]$, $[1190, 512]$, $[2277, 2560]$, $[442, 1536]$, $[235, 3584]$, $[1267, 2304]$, $[2280, 3328]$, $[2182, 1792]$, $[3658, 3840]$, $[1036, 128]$, $[365, 3968]$, $[2566, 3648]$, $[2827, 3904]$, $[1336, 3264]$

568. $[146, 2048]$, $[3004, 3072]$, $[3406, 2560]$, $[1115, 1536]$, $[1181, 3584]$, $[203, 2304]$, $[1218, 2816]$, $[2822, 3200]$, $[2404, 2688]$, $[105, 2944]$, $[2066, 1920]$, $[1805, 3968]$, $[46, 3392]$, $[1433, 3904]$, $[1039, 448]$

569. $[1089, 2048]$, $[198, 3072]$, $[3321, 2560]$, $[1032, 1536]$, $[236, 3584]$, $[1579, 2304]$, $[547, 2816]$, $[226, 1792]$, $[2686, 3840]$, $[3379, 128]$, $[2310, 2176]$, $[1542, 2688]$, $[2639, 1664]$, $[2916, 1920]$, $[2570, 576]$

570. $[854, 2048]$, $[2082, 3072]$, $[3074, 512]$, $[3553, 2560]$, $[116, 1536]$, $[91, 2304]$, $[725, 3328]$, $[3779, 768]$, $[2295, 1792]$, $[1087, 128]$, $[3905, 3968]$, $[921, 2112]$, $[1177, 1600]$, $[3387, 192]$, $[702, 1472]$

571. $[1746, 2048]$, $[2108, 3072]$, $[2116, 512]$, $[1199, 2560]$, $[2354, 1536]$, $[2251, 3584]$, $[2267, 2304]$, $[707, 2816]$, $[66, 1792]$, $[3842, 128]$, $[3955, 2176]$, $[605, 3200]$, $[281, 2688]$, $[1373, 3712]$, $[3473, 1312]$

572. $[1438, 2048]$, $[2874, 3072]$, $[2252, 512]$, $[2436, 2560]$, $[1448, 1536]$, $[2314, 3584]$, $[2747, 2304]$, $[3326, 3328]$, $[540, 1792]$, $[3257, 3840]$, $[1833, 128]$, $[831, 3712]$, $[3848, 2112]$, $[1166, 2368]$, $[2819, 3392]$

573. $[822, 2048]$, $[114, 3072]$, $[2453, 512]$, $[2541, 2560]$, $[3451, 1536]$, $[3463, 3584]$, $[3207, 2304]$, $[2247, 768]$, $[1181, 1792]$, $[2279, 3840]$, $[1862, 128]$, $[74, 3200]$, $[3391, 2688]$, $[2708, 832]$, $[2398, 1696]$

574. $[418, 2048]$, $[2962, 3072]$, $[3479, 512]$, $[2171, 2560]$, $[2309, 1536]$, $[1223, 2304]$, $[178, 3328]$, $[3131, 768]$, $[3119, 3840]$, $[1842, 2176]$, $[3399, 1408]$, $[2400, 1920]$, $[3125, 3136]$, $[2327, 192]$, $[3890, 960]$

575. $[1846, 2048]$, $[774, 3072]$, $[494, 512]$, $[1431, 2560]$, $[2433, 1536]$, $[1063, 2304]$, $[3242, 3328]$, $[1772, 768]$, $[2814, 2816]$, $[2427, 128]$, $[60, 2176]$, $[872, 2688]$, $[66, 3712]$, $[2483, 3136]$, $[3993, 3488]$

576. $[334, 2048]$, $[2290, 3072]$, $[222, 512]$, $[1490, 2560]$, $[1493, 1536]$, $[3095, 2304]$, $[612, 3328]$, $[2217, 768]$, $[153, 1792]$, $[2405, 128]$, $[3664, 2176]$, $[1392, 2688]$, $[3332, 3712]$, $[3927, 1920]$, $[306, 2112]$
577. $[1206, 2048]$, $[2732, 3072]$, $[3468, 512]$, $[2513, 2560]$, $[1197, 3584]$, $[3159, 2304]$, $[3197, 3328]$, $[2101, 768]$, $[1234, 2816]$, $[2073, 2176]$, $[568, 3200]$, $[3091, 2688]$, $[2393, 3968]$, $[2961, 1600]$, $[1797, 3648]$
578. $[2010, 2048]$, $[26, 3072]$, $[3481, 512]$, $[363, 2560]$, $[3122, 3584]$, $[3639, 2304]$, $[142, 768]$, $[2165, 2816]$, $[1262, 1792]$, $[3420, 128]$, $[2383, 2688]$, $[1874, 1920]$, $[77, 3968]$, $[1816, 2112]$, $[2217, 2368]$
579. $[1230, 2048]$, $[2818, 3072]$, $[121, 512]$, $[2519, 2560]$, $[1221, 3584]$, $[1167, 2304]$, $[1053, 3328]$, $[1790, 768]$, $[2067, 1792]$, $[2619, 3840]$, $[45, 2176]$, $[2371, 3200]$, $[2931, 2688]$, $[565, 3136]$, $[1968, 2368]$
580. $[1170, 2048]$, $[34, 3072]$, $[3334, 512]$, $[3374, 2560]$, $[290, 1536]$, $[2416, 3584]$, $[3727, 2304]$, $[129, 3328]$, $[3313, 1792]$, $[546, 128]$, $[2326, 3712]$, $[357, 2944]$, $[2606, 2112]$, $[2991, 832]$, $[2705, 3264]$
581. $[513, 2048]$, $[222, 3072]$, $[1087, 512]$, $[3550, 2560]$, $[3663, 2304]$, $[757, 768]$, $[1653, 2816]$, $[1646, 3840]$, $[2147, 2176]$, $[285, 3200]$, $[2425, 3712]$, $[2098, 1920]$, $[264, 3136]$, $[3224, 3648]$, $[3932, 1696]$
582. $[798, 2048]$, $[801, 3072]$, $[2234, 512]$, $[105, 2560]$, $[3344, 1536]$, $[2182, 3584]$, $[3231, 2304]$, $[2633, 3328]$, $[3728, 1792]$, $[254, 3840]$, $[2626, 128]$, $[3929, 3200]$, $[2584, 1600]$, $[1713, 3392]$, $[2722, 1856]$
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584. $[641, 2048]$, $[6, 3072]$, $[278, 512]$, $[3195, 2560]$, $[251, 1536]$, $[2623, 2304]$, $[1540, 3328]$, $[181, 768]$, $[605, 3840]$, $[3450, 128]$, $[1847, 2176]$, $[3449, 2944]$, $[2105, 3648]$, $[3744, 192]$, $[396, 2080]$
585. $[358, 2048]$, $[2370, 3072]$, $[1220, 512]$, $[3580, 1536]$, $[1490, 3584]$, $[3168, 3328]$, $[2588, 2816]$, $[3133, 1792]$, $[3926, 2176]$, $[606, 2688]$, $[1126, 1664]$, $[1115, 1408]$, $[51, 2944]$, $[1703, 2112]$, $[2218, 3904]$
586. $[714, 2048]$, $[2822, 3072]$, $[2378, 512]$, $[2114, 1536]$, $[1092, 2304]$, $[2256, 3328]$, $[1193, 2816]$, $[154, 1792]$, $[131, 3840]$, $[3373, 128]$, $[2848, 2176]$, $[3877, 3200]$, $[3967, 3968]$, $[129, 832]$, $[1960, 1472]$
587. $[790, 2048]$, $[2990, 3072]$, $[3433, 512]$, $[2356, 2560]$, $[287, 1536]$, $[2137, 3584]$, $[2672, 3328]$, $[2100, 768]$, $[603, 3840]$, $[3432, 2688]$, $[3892, 2112]$, $[3371, 576]$, $[4017, 1600]$, $[3116, 2880]$, $[3630, 448]$
588. $[510, 2048]$, $[522, 3072]$, $[3526, 512]$, $[3298, 2560]$, $[1487, 3584]$, $[1746, 2304]$, $[200, 3328]$, $[2753, 768]$, $[583, 2816]$, $[229, 1792]$, $[3898, 128]$, $[601, 1664]$, $[1443, 3136]$, $[3130, 3392]$, $[667, 704]$
589. $[1660, 2048]$, $[668, 3072]$, $[1425, 512]$, $[2064, 1536]$, $[1301, 3584]$, $[3688, 3328]$, $[1249, 768]$, $[107, 2816]$, $[2142, 3840]$, $[1585, 3200]$, $[3436, 1664]$, $[2340, 2368]$, $[63, 832]$, $[2590, 704]$, $[1674, 2464]$
590. $[1665, 2048]$, $[970, 3072]$, $[1268, 512]$, $[58, 3584]$, $[1199, 2304]$, $[1720, 3328]$, $[1630, 768]$, $[3276, 2816]$, $[2683, 2176]$, $[1325, 1664]$, $[845, 3712]$, $[39, 2112]$, $[2608, 3136]$, $[2850, 2368]$, $[795, 3392]$
591. $[458, 2048]$, $[434, 3072]$, $[3488, 2560]$, $[1504, 3584]$, $[575, 2304]$, $[3076, 3328]$, $[2129, 2816]$, $[3768, 1792]$, $[2613, 128]$, $[2894, 2688]$, $[1339, 1408]$, $[1301, 1920]$, $[1709, 2112]$, $[1066, 1472]$, $[1207, 4032]$
592. $[754, 2048]$, $[844, 3072]$, $[3115, 512]$, $[445, 2560]$, $[2128, 1536]$, $[1037, 3584]$, $[570, 2304]$, $[1156, 3328]$, $[3091, 768]$, $[255, 2816]$, $[1345, 128]$, $[3392, 3200]$, $[2939, 1664]$, $[2865, 576]$, $[523, 4032]$
593. $[1793, 2048]$, $[506, 3072]$, $[3098, 512]$, $[318, 2560]$, $[166, 1536]$, $[3750, 2304]$, $[1604, 3328]$, $[163, 2816]$, $[2687, 3840]$, $[1043, 1664]$, $[2614, 3712]$, $[3673, 1920]$, $[1708, 2112]$, $[3903, 3648]$, $[397, 2880]$
594. $[1178, 2048]$, $[2934, 3072]$, $[217, 512]$, $[1106, 2560]$, $[3116, 1536]$, $[2507, 3584]$, $[3172, 3328]$, $[2743, 768]$, $[1160, 2816]$, $[1039, 1792]$, $[1586, 3200]$, $[2823, 1664]$, $[796, 1408]$, $[3614, 1856]$, $[1668, 192]$
595. $[1054, 2048]$, $[3010, 3072]$, $[2162, 512]$, $[3400, 2560]$, $[2203, 1536]$, $[660, 3328]$, $[1107, 768]$, $[2863, 128]$, $[67, 2176]$, $[2049, 3200]$, $[2837, 2688]$, $[1599, 1664]$, $[862, 3712]$, $[588, 2944]$, $[3940, 1920]$
596. $[1873, 2048]$, $[2262, 3072]$, $[170, 512]$, $[350, 1536]$, $[49, 3584]$, $[231, 2304]$, $[2132, 3328]$, $[1178, 768]$, $[243, 2816]$, $[3963, 2176]$, $[1840, 2688]$, $[3677, 3712]$, $[921, 2368]$, $[1537, 1472]$, $[308, 3520]$
597. $[1290, 2048]$, $[202, 3072]$, $[2269, 512]$, $[3324, 2560]$, $[66, 1536]$, $[461, 3584]$, $[1108, 3328]$, $[695, 768]$, $[2098, 3840]$, $[2394, 128]$, $[3887, 2688]$, $[799, 1664]$, $[634, 3712]$, $[1703, 2368]$, $[2758, 1696]$
598. $[396, 2048]$, $[572, 3072]$, $[51, 512]$, $[1529, 1536]$, $[2117, 3584]$, $[244, 3328]$, $[529, 1792]$, $[2203, 3840]$, $[3119, 2176]$, $[3107, 3712]$, $[1637, 1408]$, $[1585, 2944]$, $[3768, 3648]$, $[1810, 2880]$, $[2109, 3904]$
599. $[1788, 2048]$, $[910, 3072]$, $[2282, 512]$, $[2316, 2560]$, $[2106, 1536]$, $[3212, 3328]$, $[217, 768]$, $[3687, 2816]$, $[115, 128]$, $[1915, 2176]$, $[1039, 3712]$, $[1331, 2944]$, $[1571, 3136]$, $[2567, 1600]$, $[3893, 4032]$
600. $[330, 2048]$, $[2438, 3072]$, $[1278, 512]$, $[75, 2560]$, $[2239, 1536]$, $[2101, 2304]$, $[3628, 3328]$, $[1588, 768]$, $[1598, 1792]$, $[308, 3200]$, $[3967, 1664]$, $[2876, 3712]$, $[3247, 576]$, $[1830, 3648]$, $[1076, 448]$
601. $[350, 2048]$, $[2886, 3072]$, $[2187, 2560]$, $[1179, 3584]$, $[3275, 2304]$, $[604, 3328]$, $[726, 768]$, $[1241, 2816]$, $[682, 1792]$, $[2328, 1664]$, $[2592, 3712]$, $[2127, 1408]$, $[127, 2944]$, $[3133, 1600]$, $[3490, 1984]$

602. $[1102, 2048]$, $[2246, 3072]$, $[3274, 512]$, $[1139, 1536]$, $[175, 3584]$, $[3711, 2304]$, $[2748, 3328]$, $[1751, 2816]$, $[3094, 1792]$, $[1306, 2176]$, $[2370, 3200]$, $[2563, 576]$, $[2195, 1600]$, $[1200, 2368]$, $[693, 448]$

603. $[952, 2048]$, $[2146, 3072]$, $[33, 2560]$, $[2333, 1536]$, $[3478, 3584]$, $[1120, 2304]$, $[3138, 3328]$, $[3246, 768]$, $[2814, 1792]$, $[868, 2688]$, $[3866, 3712]$, $[2912, 1408]$, $[539, 3136]$, $[559, 3392]$, $[1307, 3264]$

604. $[1798, 2048]$, $[1002, 3072]$, $[2451, 512]$, $[1269, 2560]$, $[3321, 3584]$, $[2163, 2304]$, $[2210, 3328]$, $[692, 1792]$, $[525, 2688]$, $[3111, 3712]$, $[1618, 1920]$, $[3384, 1600]$, $[1286, 2368]$, $[2835, 192]$, $[3345, 3104]$

605. $[417, 2048]$, $[2694, 3072]$, $[1389, 2560]$, $[1234, 1536]$, $[1278, 3584]$, $[3781, 2304]$, $[98, 3328]$, $[2809, 768]$, $[3, 1792]$, $[3647, 3840]$, $[568, 2176]$, $[1834, 3712]$, $[1565, 2944]$, $[544, 2368]$, $[3497, 1984]$

606. $[1770, 2048]$, $[2406, 3072]$, $[1295, 2560]$, $[62, 1536]$, $[2247, 3584]$, $[564, 2304]$, $[2578, 3328]$, $[1086, 768]$, $[3839, 1792]$, $[116, 3840]$, $[562, 128]$, $[2850, 2176]$, $[2110, 3200]$, $[3910, 1664]$, $[2356, 2944]$

607. $[1642, 2048]$, $[2482, 3072]$, $[253, 512]$, $[3309, 2560]$, $[3103, 3584]$, $[3120, 2304]$, $[1170, 3328]$, $[2773, 3840]$, $[3615, 128]$, $[1850, 2688]$, $[557, 3712]$, $[1132, 1408]$, $[2401, 2944]$, $[3850, 3904]$, $[2864, 192]$

608. $[876, 2048]$, $[332, 3072]$, $[1143, 512]$, $[235, 2560]$, $[252, 3584]$, $[3650, 2304]$, $[242, 3328]$, $[146, 2816]$, $[3136, 1792]$, $[1753, 3840]$, $[2875, 128]$, $[2051, 2176]$, $[2332, 3968]$, $[1175, 1472]$, $[3098, 1696]$

609. $[401, 2048]$, $[2130, 3072]$, $[2210, 512]$, $[1382, 2560]$, $[3442, 1536]$, $[3299, 2304]$, $[1770, 3328]$, $[1094, 2816]$, $[2212, 1792]$, $[2358, 128]$, $[3955, 3200]$, $[1896, 2944]$, $[1943, 576]$, $[1794, 2880]$, $[2064, 448]$

610. $[622, 2048]$, $[2626, 3072]$, $[3212, 512]$, $[152, 2560]$, $[215, 1536]$, $[3472, 3584]$, $[2070, 3328]$, $[1042, 1792]$, $[3199, 3840]$, $[348, 128]$, $[1627, 2176]$, $[3421, 3712]$, $[2968, 2112]$, $[1975, 3904]$, $[1688, 1312]$

611. $[1841, 2048]$, $[1524, 512]$, $[1462, 2560]$, $[3156, 1536]$, $[1052, 3584]$, $[1215, 2304]$, $[2294, 3328]$, $[1584, 2816]$, $[2203, 1792]$, $[770, 128]$, $[1081, 3200]$, $[2575, 2688]$, $[1854, 1664]$, $[2732, 3136]$, $[2733, 1472]$

612. $[1002, 2048]$, $[990, 3072]$, $[1097, 512]$, $[2285, 2560]$, $[1388, 1536]$, $[305, 3584]$, $[590, 3328]$, $[581, 768]$, $[1105, 2816]$, $[3326, 3840]$, $[3612, 2176]$, $[1599, 3712]$, $[2473, 576]$, $[2826, 1600]$, $[1939, 2368]$

613. $[433, 2048]$, $[2418, 3072]$, $[473, 512]$, $[310, 1536]$, $[1530, 3584]$, $[3759, 2304]$, $[2254, 3328]$, $[3786, 768]$, $[1222, 2816]$, $[1078, 128]$, $[2621, 3200]$, $[591, 2688]$, $[3181, 3712]$, $[606, 1312]$, $[1350, 3232]$

614. $[353, 2048]$, $[606, 3072]$, $[2202, 512]$, $[1247, 2560]$, $[3292, 1536]$, $[2536, 3584]$, $[750, 3328]$, $[2572, 768]$, $[100, 2816]$, $[3157, 1792]$, $[1789, 3840]$, $[2381, 1664]$, $[3843, 1408]$, $[3152, 3968]$, $[3130, 2112]$

615. $[1990, 2048]$, $[2410, 3072]$, $[1119, 512]$, $[3203, 2560]$, $[3275, 1536]$, $[697, 2304]$, $[1086, 3328]$, $[1694, 768]$, $[1632, 2816]$, $[2113, 1792]$, $[610, 3200]$, $[2393, 2688]$, $[3932, 3968]$, $[4009, 1472]$, $[1237, 2080]$

616. $[385, 2048]$, $[2353, 3072]$, $[358, 512]$, $[94, 2560]$, $[2168, 1536]$, $[2522, 3584]$, $[1743, 2304]$, $[2273, 3328]$, $[86, 2816]$, $[1770, 1792]$, $[877, 3200]$, $[789, 2688]$, $[3393, 3712]$, $[2600, 1408]$, $[1902, 2944]$

617. $[210, 2048]$, $[422, 3072]$, $[407, 512]$, $[228, 3584]$, $[2177, 2304]$, $[529, 3328]$, $[1032, 768]$, $[1761, 2816]$, $[574, 1792]$, $[3154, 3840]$, $[309, 2176]$, $[1909, 3200]$, $[2579, 3136]$, $[2735, 3648]$, $[691, 1856]$

618. $[1978, 2048]$, $[2326, 3072]$, $[3319, 512]$, $[2086, 2560]$, $[3578, 1536]$, $[1184, 2304]$, $[1553, 3328]$, $[183, 768]$, $[2708, 2816]$, $[3744, 3840]$, $[514, 128]$, $[3176, 1664]$, $[805, 3712]$, $[1668, 576]$, $[1675, 3392]$

619. $[2033, 2048]$, $[2065, 3072]$, $[3397, 512]$, $[1038, 2560]$, $[2317, 1536]$, $[2244, 2304]$, $[3633, 3328]$, $[632, 768]$, $[2301, 2816]$, $[43, 1792]$, $[1713, 3840]$, $[1567, 3200]$, $[46, 3136]$, $[1340, 448]$, $[526, 4032]$

620. $[1252, 2048]$, $[2726, 3072]$, $[196, 512]$, $[248, 1536]$, $[2437, 3584]$, $[241, 3328]$, $[3083, 768]$, $[671, 2816]$, $[694, 1792]$, $[3323, 3840]$, $[3957, 128]$, $[3343, 2176]$, $[560, 1920]$, $[1959, 576]$, $[1067, 3392]$

621. $[690, 2048]$, $[574, 3072]$, $[371, 512]$, $[1042, 2560]$, $[2222, 1536]$, $[1458, 3584]$, $[3657, 3328]$, $[1222, 768]$, $[2050, 2816]$, $[3206, 1792]$, $[3272, 3840]$, $[2318, 128]$, $[606, 3200]$, $[3178, 3968]$, $[1209, 1600]$

622. $[1146, 2048]$, $[786, 3072]$, $[2193, 512]$, $[1459, 2560]$, $[1491, 1536]$, $[47, 3584]$, $[3689, 3328]$, $[1168, 768]$, $[194, 2816]$, $[1037, 128]$, $[3449, 1664]$, $[1094, 2944]$, $[267, 576]$, $[2103, 2368]$, $[3115, 704]$

623. $[1830, 2048]$, $[2394, 3072]$, $[1353, 512]$, $[475, 2560]$, $[2476, 3584]$, $[1262, 2304]$, $[2181, 3328]$, $[3104, 1792]$, $[1542, 3200]$, $[571, 2688]$, $[3357, 1664]$, $[3940, 1408]$, $[3167, 2944]$, $[4019, 4032]$, $[1758, 2080]$

624. $[502, 2048]$, $[2173, 3072]$, $[194, 512]$, $[1423, 2560]$, $[2431, 1536]$, $[3083, 3584]$, $[2661, 3328]$, $[1062, 768]$, $[3310, 2816]$, $[2603, 1792]$, $[3743, 3840]$, $[77, 2176]$, $[2737, 576]$, $[2605, 2880]$, $[1848, 3264]$

625. $[729, 2048]$, $[3050, 3072]$, $[3251, 512]$, $[1310, 2560]$, $[1186, 1536]$, $[267, 3584]$, $[1045, 3328]$, $[1126, 768]$, $[2286, 2816]$, $[702, 1792]$, $[665, 3840]$, $[1116, 1664]$, $[104, 2944]$, $[1547, 1920]$, $[3855, 3520]$

626. $[1233, 2048]$, $[950, 3072]$, $[1395, 512]$, $[2107, 2560]$, $[3237, 1536]$, $[3176, 2304]$, $[2197, 3328]$, $[1644, 1792]$, $[2602, 3840]$, $[358, 128]$, $[341, 2176]$, $[2339, 1664]$, $[3245, 576]$, $[3714, 2880]$, $[3083, 4032]$

627. $[134, 2048]$, $[702, 3072]$, $[2128, 2560]$, $[2522, 1536]$, $[3117, 3328]$, $[3178, 768]$, $[3715, 2816]$, $[514, 1792]$, $[1310, 128]$, $[3435, 2176]$, $[1593, 3712]$, $[559, 1600]$, $[826, 2368]$, $[2482, 704]$, $[2519, 1888]$

628. $[1225, 2048]$, $[390, 3072]$, $[3331, 512]$, $[2068, 2560]$, $[2225, 1536]$, $[1725, 3328]$, $[2105, 768]$, $[3678, 1792]$, $[3375, 128]$, $[546, 2176]$, $[2311, 3200]$, $[2821, 1408]$, $[1209, 2112]$, $[1433, 3136]$, $[3746, 1984]$

629. $[850, 2048]$, $[542, 3072]$, $[5, 512]$, $[66, 2560]$, $[1224, 1536]$, $[2179, 3328]$, $[2252, 768]$, $[1599, 2816]$, $[2298, 3840]$, $[772, 2176]$, $[1338, 2688]$, $[3108, 3712]$, $[444, 576]$, $[1581, 2368]$, $[2868, 1856]$

630. $[1605, 2048]$, $[2098, 3072]$, $[2540, 512]$, $[2266, 2560]$, $[3095, 1536]$, $[71, 2304]$, $[2195, 3328]$, $[1262, 768]$, $[3206, 2816]$, $[2659, 3200]$, $[3950, 1664]$, $[646, 2112]$, $[1562, 1600]$, $[3228, 832]$, $[3205, 3904]$

631. $[113, 2048]$, $[894, 3072]$, $[1498, 512]$, $[277, 2560]$, $[2381, 1536]$, $[1071, 3584]$, $[3195, 2304]$, $[3219, 3328]$, $[3668, 768]$, $[1260, 2816]$, $[70, 128]$, $[2870, 2176]$, $[2323, 3712]$, $[3125, 1920]$, $[1794, 960]$

632. $[1730, 2048]$, $[334, 3072]$, $[82, 512]$, $[120, 2560]$, $[97, 3584]$, $[1186, 2304]$, $[1075, 3328]$, $[3663, 3840]$, $[3351, 2176]$, $[2387, 3200]$, $[2129, 2688]$, $[2634, 2944]$, $[3100, 2112]$, $[1948, 3136]$, $[3762, 3520]$

633. $[1236, 2048]$, $[362, 3072]$, $[3122, 512]$, $[2313, 2560]$, $[3477, 3584]$, $[555, 3328]$, $[3325, 2816]$, $[1588, 3840]$, $[2154, 2176]$, $[1619, 1664]$, $[3959, 3712]$, $[2318, 2112]$, $[3765, 3136]$, $[1928, 3392]$, $[3599, 1056]$

634. $[1953, 2048]$, $[966, 3072]$, $[1129, 2560]$, $[1377, 1536]$, $[1171, 3584]$, $[2716, 2304]$, $[235, 3328]$, $[1742, 768]$, $[653, 2816]$, $[2651, 1792]$, $[1657, 2176]$, $[1612, 3712]$, $[2844, 1920]$, $[428, 3392]$, $[513, 1472]$

635. $[1393, 2048]$, $[2602, 3072]$, $[3321, 512]$, $[488, 1536]$, $[2249, 3584]$, $[3144, 2304]$, $[2139, 3328]$, $[2668, 1792]$, $[2073, 3840]$, $[3661, 3200]$, $[1107, 1408]$, $[1384, 2944]$, $[3912, 1920]$, $[2317, 832]$, $[3279, 608]$

636. $[1641, 2048]$, $[958, 3072]$, $[35, 512]$, $[1230, 2560]$, $[3345, 1536]$, $[603, 3328]$, $[133, 768]$, $[1205, 2816]$, $[2300, 1792]$, $[2723, 3840]$, $[1545, 128]$, $[290, 2688]$, $[3585, 1664]$, $[542, 1600]$, $[525, 832]$

637. $[1505, 2048]$, $[2502, 3072]$, $[3195, 512]$, $[2439, 2560]$, $[173, 1536]$, $[2095, 3584]$, $[3139, 2304]$, $[3675, 3328]$, $[635, 768]$, $[1276, 2816]$, $[1692, 1792]$, $[1035, 2688]$, $[3078, 2944]$, $[2309, 1600]$, $[2976, 3264]$

638. $[6, 2048]$, $[2778, 3072]$, $[308, 2560]$, $[3289, 1536]$, $[3569, 3584]$, $[2267, 3328]$, $[1069, 768]$, $[666, 2816]$, $[2576, 1792]$, $[3644, 3840]$, $[637, 3200]$, $[3180, 1408]$, $[2822, 3136]$, $[3000, 2368]$, $[2602, 192]$

639. $[1084, 2048]$, $[148, 512]$, $[3097, 2560]$, $[2412, 1536]$, $[495, 3584]$, $[1085, 2304]$, $[3771, 3328]$, $[3203, 2816]$, $[140, 1792]$, $[1173, 3840]$, $[2388, 3712]$, $[2125, 1408]$, $[2861, 3968]$, $[1537, 448]$, $[178, 4032]$

640. $[198, 2048]$, $[3018, 3072]$, $[183, 512]$, $[2188, 2560]$, $[3521, 3584]$, $[1116, 2304]$, $[3751, 3328]$, $[3834, 2816]$, $[1658, 1792]$, $[167, 3840]$, $[3596, 2688]$, $[1583, 3968]$, $[2866, 576]$, $[3849, 2368]$, $[2200, 3264]$

641. $[337, 2048]$, $[2894, 3072]$, $[39, 512]$, $[62, 2560]$, $[2410, 1536]$, $[2147, 2304]$, $[103, 3328]$, $[1107, 2816]$, $[58, 2176]$, $[2051, 3200]$, $[3384, 1664]$, $[2079, 3712]$, $[3160, 1408]$, $[2078, 2944]$, $[3151, 3968]$

642. $[1221, 2048]$, $[2761, 3072]$, $[2222, 512]$, $[2457, 2560]$, $[481, 1536]$, $[3132, 3584]$, $[254, 2304]$, $[2071, 3328]$, $[1251, 768]$, $[1071, 1792]$, $[1696, 3840]$, $[3345, 2176]$, $[2357, 1664]$, $[2655, 1920]$, $[1067, 2112]$

643. $[1893, 2048]$, $[2058, 3072]$, $[2053, 512]$, $[2208, 3584]$, $[546, 2304]$, $[2647, 3328]$, $[1135, 768]$, $[2252, 1792]$, $[3095, 2176]$, $[2918, 2688]$, $[3905, 1408]$, $[2396, 1920]$, $[2331, 2112]$, $[163, 2880]$, $[677, 448]$

644. $[956, 2048]$, $[2490, 3072]$, $[348, 2560]$, $[2554, 1536]$, $[2167, 3328]$, $[613, 768]$, $[3308, 2816]$, $[2054, 1792]$, $[1745, 3840]$, $[1621, 128]$, $[3104, 3200]$, $[2927, 2688]$, $[292, 2368]$, $[3089, 3264]$, $[912, 3744]$

645. $[1334, 2048]$, $[2729, 3072]$, $[1105, 512]$, $[1506, 2560]$, $[325, 1536]$, $[1073, 3584]$, $[1644, 2304]$, $[1231, 3328]$, $[1163, 768]$, $[3927, 128]$, $[3344, 1664]$, $[3885, 2944]$, $[2961, 2112]$, $[3647, 2368]$, $[153, 832]$

646. $[1737, 2048]$, $[2492, 3072]$, $[2310, 512]$, $[2302, 2560]$, $[2260, 1536]$, $[3559, 3584]$, $[31, 2304]$, $[703, 3328]$, $[164, 1792]$, $[1048, 3840]$, $[3421, 3200]$, $[2324, 2688]$, $[3898, 3136]$, $[2084, 2880]$, $[396, 704]$

647. $[1829, 2048]$, $[3026, 3072]$, $[73, 512]$, $[3516, 2560]$, $[504, 1536]$, $[3818, 2304]$, $[1151, 3328]$, $[1607, 768]$, $[1179, 2816]$, $[875, 2176]$, $[869, 1920]$, $[299, 2112]$, $[2837, 3648]$, $[1692, 704]$, $[3032, 3360]$

648. $[521, 2048]$, $[1020, 3072]$, $[127, 512]$, $[178, 2560]$, $[39, 1536]$, $[1472, 3584]$, $[3255, 2304]$, $[2286, 3328]$, $[1760, 768]$, $[3253, 2816]$, $[3175, 2176]$, $[1150, 2688]$, $[523, 2944]$, $[898, 3648]$, $[1343, 4032]$

649. $[74, 2048]$, $[2274, 3072]$, $[3416, 512]$, $[244, 2560]$, $[3376, 1536]$, $[311, 3584]$, $[2160, 768]$, $[3266, 2816]$, $[1186, 1792]$, $[566, 2176]$, $[5, 2112]$, $[826, 3136]$, $[1548, 576]$, $[2438, 832]$, $[1845, 448]$

650. $[908, 2048]$, $[2113, 3072]$, $[2242, 512]$, $[1345, 2560]$, $[2236, 3584]$, $[2660, 2304]$, $[2672, 768]$, $[2151, 1792]$, $[1682, 3840]$, $[3097, 128]$, $[3616, 3200]$, $[3597, 1408]$, $[2568, 2368]$, $[1591, 1856]$, $[3543, 1056]$

651. $[982, 2048]$, $[220, 3072]$, $[3414, 512]$, $[2554, 2560]$, $[2098, 1536]$, $[473, 3584]$, $[2660, 3328]$, $[3608, 768]$, $[1132, 2816]$, $[1599, 3200]$, $[3446, 1408]$, $[3643, 3136]$, $[1981, 2368]$, $[1793, 3264]$, $[1336, 704]$

652. $[1074, 2048]$, $[742, 3072]$, $[382, 512]$, $[2058, 2560]$, $[2144, 1536]$, $[1212, 2304]$, $[2648, 768]$, $[603, 2816]$, $[762, 3840]$, $[106, 128]$, $[2835, 2688]$, $[2817, 3968]$, $[175, 3136]$, $[809, 2368]$, $[2311, 3520]$

653. $[838, 2048]$, $[21, 3072]$, $[2459, 512]$, $[2395, 1536]$, $[90, 3584]$, $[2685, 3328]$, $[1144, 768]$, $[1152, 2816]$, $[2777, 1792]$, $[2622, 128]$, $[603, 2176]$, $[364, 3200]$, $[1397, 2944]$, $[2230, 2880]$, $[3653, 2592]$

654. [124, 2048], [37, 3072], [1334, 512], [1156, 2560], [1523, 1536], [129, 2304], [612, 768], [2640, 2816], [521, 3840], [2103, 128], [1130, 2176], [3958, 1920], [3711, 3968], [445, 3136], [1027, 576]
655. [1429, 2048], [453, 3072], [1475, 512], [359, 2560], [2359, 1536], [733, 2304], [560, 3328], [3220, 768], [198, 2816], [351, 2176], [1289, 1664], [1313, 3712], [1599, 576], [175, 3392], [2086, 4032]
656. [950, 2048], [865, 3072], [1221, 512], [281, 2560], [2363, 3584], [3603, 2304], [1080, 3328], [2132, 768], [1128, 2816], [580, 2688], [3874, 3712], [3073, 1408], [648, 3648], [1564, 448], [2767, 2720]
657. [948, 2048], [2230, 3072], [310, 512], [1113, 2560], [1117, 1536], [3439, 3584], [533, 2304], [3208, 3328], [1204, 768], [3729, 3840], [1070, 128], [2414, 2176], [3428, 1664], [1209, 576], [1443, 3648]
658. [1193, 2048], [981, 3072], [3189, 512], [1353, 1536], [2384, 3584], [2804, 2304], [2671, 3328], [2740, 768], [3725, 2816], [1572, 1792], [3427, 128], [3957, 2176], [2416, 2944], [531, 2112], [2830, 832]
659. [917, 2048], [562, 3072], [3510, 2560], [2079, 1536], [3641, 2304], [1048, 3328], [2636, 768], [3232, 2816], [729, 1792], [659, 3840], [310, 2176], [2875, 3712], [157, 1600], [570, 2880], [946, 704]
660. [138, 2048], [2321, 3072], [3394, 512], [2089, 2560], [243, 3584], [1113, 2304], [44, 768], [1758, 1792], [3895, 128], [2637, 1920], [2585, 3968], [3214, 2112], [139, 2368], [1037, 448], [2997, 1472]
661. [972, 2048], [2918, 3072], [221, 512], [3301, 2560], [255, 3584], [3621, 3328], [2140, 768], [2240, 2816], [2670, 128], [3423, 3200], [561, 1408], [3168, 2944], [1598, 3968], [1285, 1856], [3514, 704]
662. [761, 2048], [2911, 3072], [3439, 512], [3445, 2560], [3217, 1536], [3543, 3584], [1736, 2304], [1594, 3328], [1628, 768], [2666, 3840], [2112, 1408], [3680, 2944], [1070, 2880], [907, 192], [3082, 1984]
663. [994, 2048], [641, 3072], [3134, 2560], [2446, 1536], [354, 3584], [1643, 2304], [2712, 3328], [3676, 768], [1027, 1792], [1301, 128], [3362, 2176], [1822, 3712], [2326, 576], [3622, 1600], [1048, 3104]
664. [1749, 2048], [514, 3072], [3283, 512], [3433, 2560], [194, 1536], [3177, 3584], [3756, 2304], [3750, 3328], [2108, 768], [1886, 128], [3698, 2688], [3599, 1408], [2049, 1920], [1817, 3136], [1184, 3648]
665. [617, 2048], [2302, 3072], [482, 512], [2300, 2560], [1108, 1536], [3208, 3584], [1219, 2304], [23, 3328], [1660, 768], [3826, 2816], [3330, 128], [608, 2688], [3447, 3712], [280, 1408], [3603, 960]
666. [1916, 2048], [149, 3072], [1138, 512], [2127, 2560], [20, 1536], [1602, 768], [3781, 2816], [610, 3840], [3454, 128], [776, 2176], [1881, 3200], [3889, 1408], [3095, 2944], [371, 3968], [1038, 2112]
667. [1041, 2048], [166, 3072], [1397, 512], [239, 2560], [3187, 1536], [2286, 2304], [3271, 3328], [2786, 768], [2698, 3840], [3341, 3200], [1879, 1664], [285, 3136], [311, 576], [60, 2880], [2988, 960]
668. [721, 2048], [2265, 3072], [290, 512], [3576, 2560], [189, 1536], [3169, 2304], [2578, 768], [1731, 3840], [3445, 128], [791, 2688], [2421, 1664], [2572, 3712], [1392, 2944], [2732, 832], [3606, 704]
669. [949, 2048], [2470, 3072], [1533, 512], [1196, 2560], [2297, 1536], [1630, 2304], [138, 768], [3306, 2816], [3144, 1792], [3851, 2176], [1650, 2688], [1648, 3712], [2639, 1408], [2123, 2944], [1966, 2880]
670. [1996, 2048], [2826, 3072], [1333, 512], [102, 2560], [51, 1536], [2229, 3584], [673, 3328], [170, 768], [2726, 1792], [3789, 3840], [606, 2176], [1142, 3200], [2125, 2944], [1343, 1920], [1032, 3264]
671. [1298, 2048], [1017, 3072], [3275, 512], [60, 2560], [217, 1536], [392, 3584], [702, 2304], [602, 768], [3264, 1792], [3340, 3200], [2833, 3712], [333, 1920], [3383, 3968], [6, 2112], [1181, 4032]
672. [1698, 2048], [2961, 3072], [19, 512], [1288, 1536], [2131, 3584], [3612, 2304], [2790, 768], [1779, 2816], [2685, 1792], [1741, 3840], [3660, 1408], [2334, 1920], [1210, 1856], [62, 3264], [3546, 1824]
673. [1109, 2048], [2866, 3072], [1443, 512], [2242, 2560], [1070, 3584], [1726, 2304], [3767, 3328], [3086, 768], [2177, 1792], [147, 3840], [2067, 3712], [3090, 1920], [1122, 3968], [2361, 1600], [1543, 704]
674. [581, 2048], [686, 3072], [3207, 2560], [1028, 1536], [251, 3584], [2053, 2304], [1566, 768], [3607, 1792], [3113, 128], [3663, 2688], [1066, 3712], [3356, 3968], [3742, 3136], [2583, 1472], [2113, 2144]
675. [1522, 2048], [3001, 3072], [117, 512], [2394, 1536], [2231, 3584], [3646, 2304], [1717, 3328], [2110, 768], [2226, 1792], [1919, 2176], [3645, 1664], [3942, 3712], [4031, 576], [33, 192], [1172, 2592]
676. [1614, 2048], [2129, 3072], [2457, 512], [1317, 2560], [1036, 3584], [3675, 2304], [2193, 768], [1680, 2816], [2221, 1792], [26, 128], [2330, 2176], [596, 3200], [76, 3712], [2577, 1920], [3084, 2368]
677. [2037, 2048], [682, 3072], [2445, 512], [2524, 2560], [3110, 1536], [337, 3584], [3145, 2304], [2298, 3328], [241, 768], [1650, 2816], [753, 3840], [3943, 2176], [1821, 2944], [3633, 2368], [3803, 3488]
678. [958, 2048], [2126, 3072], [2078, 512], [3247, 2560], [2200, 1536], [585, 768], [2051, 2816], [539, 1792], [3644, 128], [2651, 2176], [3658, 2688], [303, 3712], [2844, 2944], [3341, 3136], [1832, 1472]
679. [462, 2048], [3065, 3072], [1357, 512], [446, 2560], [1094, 1536], [1655, 2304], [1695, 3328], [105, 768], [1081, 1792], [1193, 3840], [2598, 128], [3336, 3200], [1624, 1408], [1173, 2368], [1038, 2880]

680. [106, 2048], [2922, 3072], [3498, 2560], [482, 1536], [2074, 2304], [3653, 3328], [2153, 768], [1235, 2816], [2797, 1792], [831, 3200], [892, 3712], [2220, 2112], [2072, 576], [2706, 2368], [920, 192]

681. [1142, 2048], [627, 3072], [2067, 512], [3350, 2560], [1258, 3584], [2681, 2304], [715, 3328], [745, 768], [3761, 2816], [3166, 1792], [3151, 128], [330, 3200], [1590, 1600], [2967, 3648], [3631, 3904]

682. [376, 2048], [2698, 3072], [1103, 512], [2073, 2560], [2193, 1536], [1133, 3584], [3151, 2304], [680, 3328], [2201, 768], [3777, 2816], [3793, 1792], [1136, 128], [2398, 3712], [125, 2944], [1968, 2112]

683. [1369, 2048], [982, 3072], [2121, 512], [3198, 2560], [1357, 1536], [2101, 3584], [1227, 2304], [1272, 3328], [1689, 768], [2141, 1792], [3265, 3840], [370, 2176], [3952, 3200], [2171, 1408], [2565, 3136]

684. [1356, 2048], [71, 3072], [3106, 512], [3442, 2560], [3466, 3584], [2753, 2304], [3686, 3328], [57, 768], [3754, 2816], [2652, 2176], [880, 2688], [2833, 1664], [3923, 3712], [2070, 3968], [1069, 2112]

685. [1886, 2048], [97, 3072], [2107, 512], [2540, 2560], [1219, 1536], [2145, 3584], [3160, 2304], [1669, 768], [3129, 1792], [3380, 128], [3887, 2176], [373, 2688], [3173, 1408], [3868, 2944], [1849, 2112]

686. [373, 2048], [2905, 3072], [3106, 1536], [1246, 3584], [1028, 3328], [2197, 768], [3121, 2816], [555, 1792], [1600, 3840], [832, 3200], [3966, 2944], [2095, 1920], [2853, 3392], [787, 3520], [1931, 2080]

687. [306, 2048], [194, 3072], [3228, 512], [2239, 2560], [3124, 1536], [2079, 3584], [3211, 3328], [2285, 768], [3225, 2816], [3767, 1792], [3627, 3712], [3967, 1408], [3599, 3968], [1322, 3136], [1948, 192]

688. [1454, 2048], [361, 3072], [69, 512], [251, 2560], [3545, 3584], [2054, 2304], [2807, 3328], [541, 768], [1215, 2816], [1720, 3840], [3123, 2176], [3932, 3200], [788, 2688], [2213, 3392], [1853, 1984]

689. [1098, 2048], [710, 3072], [3525, 2560], [390, 1536], [51, 3584], [1245, 768], [3837, 2816], [585, 2176], [1384, 3200], [2647, 2688], [2131, 1664], [1071, 3712], [308, 2112], [3629, 3648], [41, 3392]

690. [145, 2048], [2809, 3072], [1301, 512], [2064, 2560], [1397, 1536], [598, 2304], [733, 768], [2623, 1792], [2561, 3840], [831, 2688], [540, 1664], [550, 576], [1584, 3648], [2098, 448], [3912, 3360]

691. [933, 2048], [494, 3072], [2489, 512], [1217, 2560], [176, 3584], [3605, 2304], [1278, 3328], [3587, 768], [111, 3200], [2417, 1664], [2408, 3968], [811, 3136], [3610, 576], [2841, 1056], [1176, 416]

692. [653, 2048], [38, 3072], [3409, 512], [3485, 2560], [421, 1536], [3400, 3584], [709, 2304], [2187, 768], [1587, 2816], [2130, 1792], [1629, 2176], [55, 1408], [3218, 2368], [1542, 192], [3993, 448]

693. [845, 2048], [122, 3072], [3422, 512], [378, 2560], [199, 1536], [62, 3584], [2694, 3328], [75, 768], [2117, 1792], [1554, 2176], [2652, 1664], [532, 3712], [2668, 1920], [1628, 3968], [1305, 3136]

694. [926, 2048], [2881, 3072], [3574, 512], [3176, 2560], [3174, 1536], [2118, 2304], [3819, 768], [2142, 2816], [2787, 3840], [2870, 128], [1082, 2176], [1118, 2688], [3862, 2944], [1545, 1920], [2199, 576]

695. [498, 2048], [3006, 3072], [2187, 512], [3266, 2560], [1249, 1536], [2376, 3584], [1767, 2304], [2715, 768], [3657, 2816], [1206, 1792], [1542, 3840], [851, 2176], [1565, 1920], [420, 2112], [778, 192]

696. [625, 2048], [974, 3072], [3518, 512], [1372, 3584], [1784, 3328], [91, 768], [3316, 1792], [3601, 128], [1320, 2688], [2410, 2944], [3236, 576], [2308, 3648], [3087, 192], [3496, 448], [3030, 2080]

697. [1662, 2048], [458, 3072], [3276, 512], [1336, 1536], [2400, 3584], [661, 2304], [103, 768], [2178, 1792], [263, 128], [3355, 2176], [3904, 2688], [2306, 1920], [1956, 2112], [3465, 1600], [1061, 1856]

698. [1598, 2048], [502, 3072], [3105, 512], [1188, 2560], [3178, 1536], [1481, 3584], [1161, 2304], [231, 768], [166, 2816], [2633, 1792], [1108, 3840], [2823, 3968], [523, 1600], [2955, 832], [2215, 1856]

699. [1325, 2048], [430, 3072], [139, 512], [3378, 2560], [1364, 1536], [1350, 3584], [1190, 2304], [1591, 768], [669, 1792], [1653, 128], [1542, 3712], [2114, 2944], [822, 1920], [3880, 3136], [38, 576]

700. [1065, 2048], [1014, 3072], [3453, 512], [2118, 2560], [2143, 1536], [129, 3584], [1177, 2304], [534, 3328], [2807, 768], [29, 2816], [131, 1792], [1092, 128], [2426, 2944], [3374, 3968], [1310, 2592]

701. [1141, 2048], [110, 3072], [3486, 2560], [1418, 1536], [2081, 3584], [3664, 3328], [1167, 768], [1543, 1792], [1139, 3840], [2381, 128], [3906, 3200], [3423, 2688], [2678, 1664], [3170, 3712], [1894, 1920]

702. [1502, 2048], [2538, 3072], [2163, 512], [3431, 2560], [3350, 1536], [1159, 2304], [513, 3328], [3151, 768], [3123, 1792], [2109, 3840], [49, 128], [1810, 1920], [681, 3392], [3351, 1856], [2960, 3104]

703. [1837, 2048], [2111, 3072], [119, 512], [2090, 2560], [85, 1536], [115, 3584], [2671, 2304], [31, 768], [1108, 1792], [2172, 128], [3355, 3200], [3681, 2688], [2943, 3968], [1196, 576], [3889, 3904]

704. [188, 2048], [2670, 3072], [3226, 512], [1183, 2560], [2266, 3584], [2275, 2304], [1211, 3328], [1247, 768], [287, 2176], [561, 1664], [44, 3712], [1299, 1920], [2054, 3136], [3586, 576], [1576, 1600]

705. [1581, 2048], [398, 3072], [1329, 512], [2392, 2560], [1214, 1536], [2085, 3584], [2574, 3328], [3135, 768], [127, 2816], [1614, 128], [382, 3200], [286, 2688], [818, 3712], [2710, 2368], [2101, 1856]

706. $[1610, 2048]$, $[2794, 3072]$, $[2383, 512]$, $[3333, 2560]$, $[1194, 1536]$, $[2230, 3584]$, $[176, 2304]$, $[639, 768]$, $[515, 2816]$, $[1225, 1792]$, $[3397, 128]$, $[1838, 2688]$, $[2561, 3712]$, $[3243, 576]$, $[220, 1248]$

707. $[465, 2048]$, $[181, 3072]$, $[2415, 512]$, $[2471, 2560]$, $[3541, 3584]$, $[3822, 3328]$, $[3264, 2816]$, $[1124, 3840]$, $[2665, 2176]$, $[2391, 1664]$, $[3374, 1920]$, $[2160, 3968]$, $[3485, 704]$, $[2971, 448]$, $[2186, 960]$

708. $[1690, 2048]$, $[2222, 3072]$, $[2273, 512]$, $[2293, 2560]$, $[1070, 1536]$, $[2373, 3584]$, $[3739, 2304]$, $[2634, 3328]$, $[55, 768]$, $[3792, 2816]$, $[2889, 128]$, $[820, 2176]$, $[1892, 3200]$, $[326, 1664]$, $[1293, 2112]$

709. $[318, 2048]$, $[693, 3072]$, $[3164, 512]$, $[1306, 2560]$, $[3131, 1536]$, $[2202, 3584]$, $[1784, 2304]$, $[1247, 3328]$, $[1200, 2816]$, $[3090, 1792]$, $[1662, 3840]$, $[2091, 3200]$, $[533, 1408]$, $[521, 192]$, $[1552, 2976]$

710. $[2044, 2048]$, $[385, 3072]$, $[2419, 512]$, $[186, 2560]$, $[3195, 1536]$, $[3191, 3584]$, $[2100, 3328]$, $[1198, 768]$, $[2072, 2816]$, $[2355, 128]$, $[1601, 1664]$, $[3364, 3712]$, $[321, 1408]$, $[118, 1920]$, $[1367, 3968]$

711. $[81, 2048]$, $[2073, 3072]$, $[23, 512]$, $[73, 2560]$, $[2606, 2304]$, $[1560, 2816]$, $[1763, 1792]$, $[3873, 128]$, $[2918, 2176]$, $[783, 1664]$, $[2664, 1408]$, $[2307, 576]$, $[1343, 3648]$, $[1564, 2880]$, $[2464, 1856]$

712. $[1764, 2048]$, $[2909, 3072]$, $[125, 512]$, $[2310, 2560]$, $[297, 1536]$, $[3315, 3584]$, $[1183, 2304]$, $[657, 3328]$, $[519, 768]$, $[3076, 2816]$, $[3722, 1792]$, $[337, 128]$, $[1797, 3136]$, $[1174, 3392]$, $[2844, 3904]$

713. $[1561, 2048]$, $[529, 3072]$, $[2279, 512]$, $[2250, 1536]$, $[1506, 3584]$, $[1613, 2304]$, $[2762, 3328]$, $[2759, 768]$, $[1092, 2816]$, $[3384, 128]$, $[564, 3712]$, $[1593, 1408]$, $[2920, 2944]$, $[778, 3264]$, $[1328, 960]$

714. $[1273, 2048]$, $[49, 3072]$, $[3355, 512]$, $[2352, 2560]$, $[2386, 1536]$, $[3093, 3584]$, $[2268, 2304]$, $[1734, 3328]$, $[2660, 2816]$, $[1110, 3840]$, $[3662, 2176]$, $[581, 3200]$, $[2338, 1600]$, $[1542, 3392]$, $[2605, 704]$

715. $[1550, 2048]$, $[2705, 3072]$, $[1131, 512]$, $[380, 2560]$, $[445, 3584]$, $[690, 3328]$, $[2249, 768]$, $[2292, 2816]$, $[2152, 3840]$, $[2423, 128]$, $[1027, 2176]$, $[2596, 3136]$, $[3767, 2880]$, $[3868, 192]$, $[3735, 3232]$

716. $[517, 2048]$, $[2453, 3072]$, $[2099, 512]$, $[3388, 1536]$, $[2232, 2304]$, $[3231, 3328]$, $[2764, 768]$, $[1036, 2816]$, $[3089, 1792]$, $[1676, 3840]$, $[3090, 2176]$, $[1065, 3200]$, $[631, 1920]$, $[3770, 704]$, $[391, 1472]$

717. $[1900, 2048]$, $[2534, 3072]$, $[2211, 512]$, $[2156, 2560]$, $[2118, 1536]$, $[106, 3584]$, $[678, 2304]$, $[1548, 2816]$, $[552, 1792]$, $[2366, 1664]$, $[2626, 1408]$, $[2978, 2112]$, $[795, 3136]$, $[1060, 3392]$, $[3848, 3264]$

718. $[410, 2048]$, $[665, 3072]$, $[1156, 512]$, $[2490, 2560]$, $[3497, 1536]$, $[2744, 2304]$, $[3165, 768]$, $[1676, 2816]$, $[13, 1792]$, $[767, 3840]$, $[1146, 2176]$, $[3382, 3712]$, $[526, 2944]$, $[388, 2368]$, $[1675, 2080]$

719. $[645, 2048]$, $[858, 3072]$, $[1309, 512]$, $[185, 2560]$, $[210, 1536]$, $[3469, 3584]$, $[3705, 2304]$, $[1665, 3328]$, $[1754, 768]$, $[2636, 2816]$, $[1650, 1792]$, $[2842, 3712]$, $[944, 3648]$, $[2327, 3264]$, $[57, 1984]$

720. $[962, 2048]$, $[2521, 3072]$, $[2259, 512]$, $[3074, 2560]$, $[3204, 1536]$, $[460, 3584]$, $[2168, 2304]$, $[2221, 3328]$, $[3715, 768]$, $[2252, 2816]$, $[2060, 1792]$, $[1171, 3840]$, $[3083, 128]$, $[1876, 2944]$, $[281, 3904]$

721. $[429, 2048]$, $[2158, 3072]$, $[1319, 2560]$, $[2084, 1536]$, $[291, 3584]$, $[657, 2304]$, $[2748, 2816]$, $[3146, 1792]$, $[727, 3840]$, $[877, 2688]$, $[1301, 1664]$, $[564, 2944]$, $[2101, 3136]$, $[139, 1056]$, $[3078, 2720]$

722. $[394, 2048]$, $[2074, 3072]$, $[150, 512]$, $[3435, 2560]$, $[2081, 1536]$, $[2152, 3584]$, $[3716, 2304]$, $[1602, 2816]$, $[2664, 1664]$, $[2890, 3968]$, $[1842, 2112]$, $[3715, 3648]$, $[2060, 2368]$, $[1685, 832]$, $[3903, 192]$

723. $[1702, 2048]$, $[2174, 3072]$, $[3534, 512]$, $[323, 2560]$, $[187, 1536]$, $[438, 3584]$, $[2226, 3328]$, $[2783, 768]$, $[1250, 2816]$, $[3296, 1792]$, $[1061, 3840]$, $[2080, 2176]$, $[2865, 1408]$, $[2051, 3136]$, $[140, 3424]$

724. $[506, 2048]$, $[683, 3072]$, $[2359, 512]$, $[2275, 1536]$, $[2084, 3584]$, $[3117, 2304]$, $[2621, 3328]$, $[2578, 2816]$, $[2280, 3840]$, $[2421, 128]$, $[630, 2176]$, $[3909, 2688]$, $[85, 1920]$, $[670, 1600]$, $[525, 3392]$

725. $[769, 2048]$, $[2870, 3072]$, $[505, 512]$, $[2420, 2560]$, $[506, 1536]$, $[1043, 3584]$, $[650, 2304]$, $[1618, 2816]$, $[3127, 3840]$, $[2389, 3200]$, $[3967, 2688]$, $[3405, 3968]$, $[2213, 3136]$, $[2862, 576]$, $[2710, 1856]$

726. $[1365, 2048]$, $[380, 3072]$, $[3211, 512]$, $[1107, 2560]$, $[3254, 1536]$, $[2539, 3584]$, $[671, 2304]$, $[2093, 768]$, $[138, 2816]$, $[620, 3200]$, $[1543, 1408]$, $[3508, 3648]$, $[1815, 1856]$, $[2073, 704]$, $[578, 2272]$

727. $[1285, 2048]$, $[117, 3072]$, $[1159, 512]$, $[1186, 2560]$, $[2244, 1536]$, $[3165, 3584]$, $[543, 2304]$, $[1203, 3328]$, $[746, 2816]$, $[637, 1792]$, $[2324, 3200]$, $[124, 3712]$, $[519, 2944]$, $[1706, 2112]$, $[1802, 3136]$

728. $[706, 2048]$, $[2214, 3072]$, $[381, 512]$, $[2069, 1536]$, $[2098, 3584]$, $[3694, 2304]$, $[234, 3328]$, $[1102, 768]$, $[3674, 2816]$, $[2850, 2944]$, $[3842, 3136]$, $[1206, 1600]$, $[1836, 3904]$, $[133, 704]$, $[684, 960]$

729. $[1933, 2048]$, $[2919, 3072]$, $[83, 512]$, $[2175, 1536]$, $[560, 2304]$, $[541, 3328]$, $[3654, 2816]$, $[1696, 1792]$, $[49, 3840]$, $[858, 128]$, $[637, 2176]$, $[2426, 3200]$, $[1577, 2688]$, $[1133, 1920]$, $[946, 1856]$

730. $[1773, 2048]$, $[2713, 3072]$, $[2313, 512]$, $[1207, 2560]$, $[1142, 1536]$, $[1244, 3584]$, $[1140, 2304]$, $[743, 3328]$, $[1190, 2816]$, $[211, 3840]$, $[3623, 1664]$, $[41, 1408]$, $[2895, 1920]$, $[1433, 1600]$, $[3770, 448]$

731. $[1617, 2048]$, $[578, 3072]$, $[1109, 512]$, $[2378, 2560]$, $[2166, 1536]$, $[151, 3584]$, $[3625, 2304]$, $[2095, 3328]$, $[2790, 2816]$, $[2803, 1792]$, $[303, 2176]$, $[3405, 2944]$, $[3999, 3136]$, $[2455, 2368]$, $[3379, 832]$

732. [1474, 2048], [3059, 3072], [2371, 512], [1508, 2560], [1252, 1536], [38, 3584], [2143, 2304], [1787, 3328], [2570, 768], [1238, 2816], [3138, 3200], [292, 1920], [1043, 576], [2307, 2368], [1439, 3904]
733. [1677, 2048], [670, 3072], [70, 2560], [1357, 3584], [689, 3328], [1676, 768], [2190, 2816], [1611, 1792], [630, 128], [2855, 1920], [899, 2112], [3337, 3392], [2615, 192], [405, 448], [542, 4032]
734. [980, 2048], [2858, 3072], [1277, 512], [1386, 2560], [1056, 1536], [105, 3584], [691, 2304], [2638, 3328], [2068, 768], [590, 2816], [357, 3200], [2584, 576], [3236, 1600], [3617, 2368], [904, 2880]
735. [941, 2048], [275, 3072], [2514, 512], [1085, 2560], [2549, 1536], [1523, 3584], [3795, 2304], [706, 3328], [750, 2816], [1539, 3840], [1590, 128], [607, 2176], [1854, 3200], [621, 2688], [1341, 1408]
736. [1201, 2048], [3054, 3072], [3362, 512], [203, 1536], [2737, 2304], [2182, 3328], [606, 768], [545, 2816], [1615, 1792], [2079, 3840], [38, 3712], [884, 1408], [1821, 2112], [3619, 576], [1795, 832]
737. [294, 2048], [3034, 3072], [1134, 512], [2112, 2560], [59, 1536], [1131, 3584], [1581, 2304], [565, 3328], [1725, 768], [1041, 2816], [710, 3840], [263, 1664], [2906, 2592], [67, 3360], [3929, 3232]
738. [689, 2048], [837, 3072], [6, 512], [3250, 2560], [1670, 3328], [3145, 768], [81, 2816], [2770, 1792], [1053, 128], [1881, 2176], [2413, 1408], [791, 2944], [2825, 3968], [3104, 2880], [1304, 3264]
739. [1709, 2048], [210, 3072], [130, 512], [3320, 2560], [3135, 1536], [1233, 2816], [2753, 1792], [3160, 3840], [1099, 2176], [626, 3200], [3448, 1664], [93, 3712], [802, 3136], [2064, 192], [3974, 3744]
740. [365, 2048], [869, 3072], [2291, 512], [509, 2560], [3429, 1536], [685, 2304], [3125, 3328], [633, 768], [241, 2816], [1734, 1792], [2596, 3712], [3181, 1408], [147, 3136], [2307, 832], [828, 3904]
741. [765, 2048], [649, 3072], [2430, 512], [321, 2560], [1172, 1536], [1656, 3328], [2147, 768], [2801, 2816], [1118, 1792], [2368, 128], [1149, 3200], [2091, 1664], [2457, 3392], [3204, 3904], [2054, 704]
742. [643, 2048], [3138, 512], [371, 2560], [1137, 1536], [420, 3584], [558, 2304], [3827, 3328], [3241, 2816], [642, 1792], [1134, 128], [2683, 3712], [3864, 1920], [1839, 3968], [2621, 2112], [1824, 192]
743. [1564, 2048], [2945, 3072], [3507, 512], [1155, 1536], [3609, 2304], [125, 3328], [2713, 2816], [3407, 128], [3944, 2176], [3950, 2688], [3610, 3968], [63, 3136], [179, 1600], [1182, 3648], [1162, 3904]
744. [534, 2048], [2299, 3072], [1111, 512], [2435, 2560], [3311, 1536], [3312, 2304], [2126, 3328], [761, 2816], [244, 1792], [2655, 2176], [1799, 3200], [553, 2944], [351, 3968], [3115, 3648], [3114, 3392]
745. [1274, 2048], [589, 3072], [2394, 512], [498, 2560], [359, 1536], [3073, 2304], [718, 3328], [627, 768], [1061, 2816], [663, 1792], [3087, 3840], [2396, 2688], [2848, 1920], [880, 3968], [1058, 3648]
746. [585, 2048], [485, 3072], [209, 512], [3276, 2560], [132, 1536], [3130, 3584], [107, 768], [1189, 2816], [2277, 1792], [367, 128], [1855, 2176], [35, 2944], [3990, 3136], [2234, 2880], [298, 192]
747. [707, 2048], [2206, 3072], [3373, 512], [3500, 2560], [3445, 1536], [288, 3584], [2605, 3328], [533, 2816], [763, 3840], [3586, 3200], [1846, 2688], [3961, 1664], [2852, 1408], [663, 3392], [515, 832]
748. [522, 2048], [2986, 3072], [3505, 2560], [3531, 1536], [1532, 3584], [1782, 2304], [2261, 2816], [171, 3840], [1624, 128], [2387, 2176], [2311, 3968], [3000, 2112], [2868, 1600], [1206, 704], [3843, 3520]
749. [377, 2048], [62, 3072], [2476, 512], [2091, 2560], [1383, 1536], [3583, 3584], [1572, 3328], [1092, 768], [1749, 2816], [1128, 1792], [2140, 1664], [1562, 3712], [3154, 2944], [2836, 1920], [1343, 576]
750. [547, 2048], [741, 3072], [3234, 512], [3116, 2560], [273, 1536], [1728, 3328], [141, 2816], [2129, 3840], [2170, 2176], [2370, 1664], [1798, 1408], [3910, 1920], [2825, 3136], [439, 3648], [1161, 3392]
751. [194, 2048], [282, 3072], [2470, 512], [1322, 2560], [1111, 3584], [2295, 2304], [2738, 3328], [3293, 2816], [3169, 3840], [1895, 128], [2054, 2176], [1575, 1920], [3001, 3136], [271, 1856], [2441, 1696]
752. [1507, 2048], [225, 3072], [2402, 512], [2191, 2560], [3322, 3584], [1636, 2304], [2574, 768], [3645, 2816], [3204, 1792], [3846, 128], [3653, 2688], [3401, 1408], [1951, 3648], [2577, 2880], [2332, 960]
753. [133, 2048], [2947, 3072], [52, 512], [3252, 2560], [1369, 1536], [2810, 2304], [3737, 3328], [253, 2816], [3655, 1792], [3329, 128], [3928, 3200], [1829, 2688], [2168, 1664], [806, 3136], [2334, 2368]
754. [531, 2048], [563, 3072], [2287, 512], [385, 2560], [498, 1536], [1272, 3584], [2585, 2304], [1699, 2816], [706, 3840], [3923, 128], [3927, 2688], [3396, 3712], [2157, 1408], [4021, 576], [957, 3392]
755. [1137, 2048], [878, 3072], [1310, 512], [2507, 2560], [183, 3584], [528, 2304], [1658, 3328], [2587, 768], [2643, 2816], [3137, 1792], [3434, 2176], [1679, 2112], [2715, 3648], [2207, 2880], [3878, 3904]
756. [989, 2048], [253, 3072], [3348, 512], [469, 2560], [149, 1536], [3191, 2304], [1075, 2816], [3091, 3840], [1849, 3200], [1347, 1664], [96, 1920], [2835, 1600], [299, 3392], [1434, 832], [2317, 2880]
757. [1834, 2048], [545, 3072], [3110, 512], [3379, 2560], [170, 1536], [3494, 3584], [3208, 2304], [3620, 3328], [3251, 2816], [25, 1792], [3959, 2688], [3397, 1664], [667, 3136], [391, 576], [3868, 2880]

758. $[598, 2048]$, $[959, 3072]$, $[3194, 512]$, $[3332, 2560]$, $[3583, 1536]$, $[71, 3584]$, $[251, 768]$, $[3315, 2816]$, $[3203, 1792]$, $[1187, 3840]$, $[3653, 128]$, $[1839, 2688]$, $[855, 1408]$, $[1967, 2880]$, $[2359, 704]$
759. $[298, 2048]$, $[805, 3072]$, $[1145, 512]$, $[3554, 1536]$, $[2485, 3584]$, $[1169, 2304]$, $[2628, 768]$, $[1067, 2816]$, $[3212, 3840]$, $[317, 2176]$, $[2106, 3200]$, $[1544, 1408]$, $[3134, 2112]$, $[3487, 704]$, $[4060, 2592]$
760. $[1590, 2048]$, $[46, 3072]$, $[391, 512]$, $[1384, 2560]$, $[3090, 3584]$, $[107, 2304]$, $[186, 3328]$, $[1265, 768]$, $[1579, 2816]$, $[3086, 1792]$, $[2328, 128]$, $[3133, 2176]$, $[2063, 576]$, $[2442, 1600]$, $[3533, 1056]$
761. $[1058, 2048]$, $[629, 3072]$, $[1059, 512]$, $[3313, 2560]$, $[2505, 3584]$, $[1613, 3328]$, $[103, 2816]$, $[3815, 1792]$, $[2621, 128]$, $[2819, 2176]$, $[110, 3200]$, $[2395, 1664]$, $[2400, 1408]$, $[176, 2112]$, $[421, 2368]$
762. $[1913, 2048]$, $[2501, 3072]$, $[3582, 512]$, $[317, 2560]$, $[52, 1536]$, $[466, 3584]$, $[3742, 2304]$, $[3607, 2816]$, $[3265, 1792]$, $[1342, 128]$, $[3693, 2176]$, $[2354, 1664]$, $[555, 2112]$, $[2310, 2368]$, $[3090, 704]$
763. $[467, 2048]$, $[59, 3072]$, $[28, 512]$, $[622, 3328]$, $[658, 768]$, $[527, 2816]$, $[2255, 1792]$, $[1634, 128]$, $[2942, 2176]$, $[1436, 2112]$, $[827, 576]$, $[310, 1856]$, $[1564, 3904]$, $[3608, 3264]$, $[2979, 4032]$
764. $[1043, 2048]$, $[2811, 3072]$, $[2060, 512]$, $[1162, 2560]$, $[305, 1536]$, $[278, 3584]$, $[2084, 2304]$, $[1167, 2816]$, $[635, 1792]$, $[3831, 3840]$, $[3447, 128]$, $[3140, 3712]$, $[1842, 576]$, $[131, 3648]$, $[2738, 3520]$
765. $[516, 2048]$, $[257, 3072]$, $[353, 512]$, $[3473, 3584]$, $[134, 3328]$, $[2576, 768]$, $[47, 2816]$, $[1762, 3840]$, $[306, 128]$, $[3108, 2688]$, $[2591, 3968]$, $[3477, 3136]$, $[933, 1600]$, $[663, 3648]$, $[3219, 448]$
766. $[435, 2048]$, $[129, 3072]$, $[1338, 512]$, $[3280, 2560]$, $[1267, 1536]$, $[1510, 3584]$, $[111, 2816]$, $[1083, 1792]$, $[334, 128]$, $[2426, 2176]$, $[772, 2688]$, $[1047, 1664]$, $[3334, 2944]$, $[2644, 1920]$, $[3484, 3136]$
767. $[1910, 2048]$, $[803, 3072]$, $[2372, 512]$, $[1241, 2560]$, $[242, 1536]$, $[2308, 3584]$, $[1700, 2304]$, $[3080, 3328]$, $[3775, 2816]$, $[2596, 1792]$, $[2395, 128]$, $[3933, 2688]$, $[2073, 1664]$, $[703, 3264]$, $[1698, 448]$
768. $[1437, 2048]$, $[535, 3072]$, $[111, 512]$, $[1197, 1536]$, $[1368, 3584]$, $[3599, 2304]$, $[2240, 1792]$, $[180, 3840]$, $[308, 128]$, $[13, 3200]$, $[1565, 1664]$, $[778, 2112]$, $[3863, 3136]$, $[2841, 1600]$, $[1174, 2912]$
769. $[882, 2048]$, $[2619, 3072]$, $[1269, 512]$, $[1481, 2560]$, $[26, 1536]$, $[3384, 3584]$, $[2570, 3328]$, $[2770, 2816]$, $[1184, 1792]$, $[1607, 128]$, $[1336, 3200]$, $[3660, 1664]$, $[1676, 1600]$, $[5, 2880]$, $[1295, 1984]$
770. $[611, 2048]$, $[2581, 3072]$, $[1373, 512]$, $[1212, 2560]$, $[8, 1536]$, $[1427, 3584]$, $[2300, 2304]$, $[3789, 3328]$, $[2256, 1792]$, $[2167, 3840]$, $[3439, 2176]$, $[2909, 2688]$, $[1541, 1408]$, $[1334, 1920]$, $[1850, 2880]$
771. $[213, 2048]$, $[139, 3072]$, $[2438, 512]$, $[3524, 2560]$, $[2323, 1536]$, $[2199, 2304]$, $[2620, 2816]$, $[720, 1792]$, $[3417, 2176]$, $[794, 3200]$, $[3677, 1408]$, $[1806, 2944]$, $[1197, 2112]$, $[2101, 2880]$, $[3635, 3264]$
772. $[321, 2048]$, $[2830, 3072]$, $[3126, 512]$, $[2340, 2560]$, $[165, 1536]$, $[2415, 3584]$, $[3816, 3328]$, $[3116, 768]$, $[2224, 1792]$, $[2585, 3840]$, $[1336, 3968]$, $[3622, 3136]$, $[2453, 3648]$, $[2950, 3904]$, $[1299, 448]$
773. $[1286, 2048]$, $[550, 3072]$, $[3575, 512]$, $[68, 2560]$, $[2389, 3584]$, $[2159, 3328]$, $[2092, 768]$, $[1764, 2816]$, $[1160, 1792]$, $[1028, 128]$, $[3697, 3200]$, $[522, 2688]$, $[1922, 832]$, $[13, 1856]$, $[570, 3264]$
774. $[1597, 2048]$, $[3014, 3072]$, $[3356, 512]$, $[1354, 2560]$, $[2311, 1536]$, $[2358, 3584]$, $[1675, 2304]$, $[71, 3328]$, $[248, 1792]$, $[2689, 3840]$, $[3111, 3200]$, $[2156, 1664]$, $[2333, 1408]$, $[1827, 1920]$, $[2735, 832]$
775. $[163, 2048]$, $[2527, 3072]$, $[3210, 512]$, $[455, 1536]$, $[1333, 3584]$, $[2646, 2304]$, $[3658, 3328]$, $[2761, 768]$, $[2724, 1792]$, $[2566, 128]$, $[2166, 2688]$, $[47, 1408]$, $[3154, 1920]$, $[39, 3648]$, $[1846, 192]$
776. $[1633, 2048]$, $[2354, 3072]$, $[1465, 512]$, $[1227, 2560]$, $[1484, 1536]$, $[1595, 2304]$, $[253, 3328]$, $[1736, 768]$, $[1636, 1792]$, $[2056, 2688]$, $[2912, 3712]$, $[2871, 2944]$, $[2927, 3968]$, $[1947, 3136]$, $[178, 2368]$
777. $[627, 2048]$, $[141, 3072]$, $[3216, 2560]$, $[79, 1536]$, $[3731, 2304]$, $[1764, 1792]$, $[3309, 3840]$, $[1291, 128]$, $[2873, 2176]$, $[1353, 3200]$, $[2130, 2944]$, $[1698, 1600]$, $[2829, 832]$, $[1037, 960]$, $[406, 1984]$
778. $[578, 2048]$, $[2363, 3072]$, $[1434, 512]$, $[1251, 2560]$, $[432, 1536]$, $[503, 3584]$, $[156, 2304]$, $[3318, 768]$, $[3133, 2816]$, $[2196, 1792]$, $[3681, 1408]$, $[1859, 2944]$, $[2101, 1920]$, $[2071, 3968]$, $[646, 2368]$
779. $[554, 2048]$, $[503, 3072]$, $[2358, 512]$, $[2155, 2560]$, $[2083, 1536]$, $[1123, 3584]$, $[3810, 2304]$, $[3317, 768]$, $[608, 2816]$, $[3724, 1792]$, $[3749, 3840]$, $[1352, 128]$, $[1658, 2176]$, $[536, 3712]$, $[3143, 3968]$
780. $[1422, 2048]$, $[1094, 512]$, $[69, 2560]$, $[11, 1536]$, $[1486, 3584]$, $[147, 2304]$, $[3258, 3328]$, $[1718, 768]$, $[2636, 1792]$, $[541, 2176]$, $[3619, 1408]$, $[1343, 3968]$, $[3863, 832]$, $[1030, 2880]$, $[1047, 1984]$
781. $[1521, 2048]$, $[2371, 3072]$, $[3145, 512]$, $[1102, 2560]$, $[1233, 1536]$, $[3227, 3584]$, $[161, 3328]$, $[1068, 1792]$, $[1043, 3840]$, $[2146, 3200]$, $[2659, 1664]$, $[793, 1408]$, $[2400, 3968]$, $[1931, 2368]$, $[818, 1472]$
782. $[1442, 2048]$, $[601, 3072]$, $[2515, 512]$, $[2367, 2560]$, $[1351, 1536]$, $[2260, 3584]$, $[1027, 3328]$, $[1564, 1792]$, $[3341, 2176]$, $[3688, 3200]$, $[570, 2688]$, $[1878, 1664]$, $[1403, 3712]$, $[1829, 832]$, $[1032, 2880]$
783. $[339, 2048]$, $[3370, 512]$, $[2513, 1536]$, $[3263, 3584]$, $[2164, 2304]$, $[226, 768]$, $[2762, 2816]$, $[3228, 1792]$, $[3693, 128]$, $[1616, 2176]$, $[2343, 3200]$, $[2170, 1664]$, $[2480, 3392]$, $[3236, 832]$, $[2591, 192]$

784. $[1001, 2048]$, $[2263, 3072]$, $[3489, 512]$, $[1282, 2560]$, $[72, 1536]$, $[1241, 2304]$, $[2220, 3328]$, $[2748, 1792]$, $[2202, 3840]$, $[3169, 3200]$, $[820, 2944]$, $[2095, 3136]$, $[59, 2368]$, $[3888, 192]$, $[667, 2464]$

785. $[1683, 2048]$, $[754, 3072]$, $[3487, 512]$, $[3169, 2560]$, $[3579, 1536]$, $[2188, 3584]$, $[2584, 2304]$, $[1258, 768]$, $[609, 2816]$, $[2274, 1792]$, $[617, 3840]$, $[3372, 128]$, $[2659, 2688]$, $[3356, 3712]$, $[2840, 704]$

786. $[1514, 2048]$, $[213, 3072]$, $[2481, 512]$, $[286, 2560]$, $[3152, 3584]$, $[3721, 2304]$, $[1630, 3328]$, $[2231, 768]$, $[3810, 1792]$, $[3695, 128]$, $[1101, 1408]$, $[1356, 3968]$, $[932, 2112]$, $[2495, 2880]$, $[1847, 3904]$

787. $[1210, 2048]$, $[923, 3072]$, $[1185, 512]$, $[126, 2560]$, $[1049, 1536]$, $[1175, 3328]$, $[1026, 768]$, $[1772, 2816]$, $[1778, 1792]$, $[2582, 3840]$, $[2430, 128]$, $[536, 2176]$, $[3688, 3968]$, $[2872, 960]$, $[3090, 3232]$

788. $[1957, 2048]$, $[853, 3072]$, $[2484, 512]$, $[1296, 2560]$, $[508, 1536]$, $[3391, 3584]$, $[2643, 2304]$, $[609, 768]$, $[2602, 1792]$, $[1049, 2176]$, $[1810, 3200]$, $[89, 2944]$, $[317, 1920]$, $[1950, 2368]$, $[1553, 192]$

789. $[281, 2048]$, $[329, 3072]$, $[2289, 2560]$, $[160, 1536]$, $[88, 3584]$, $[37, 2304]$, $[3765, 2816]$, $[3686, 1792]$, $[2588, 3840]$, $[19, 128]$, $[351, 2688]$, $[638, 1920]$, $[1295, 3968]$, $[3225, 2112]$, $[3725, 2368]$

790. $[1205, 2048]$, $[605, 3072]$, $[3537, 512]$, $[1285, 2560]$, $[396, 1536]$, $[523, 2304]$, $[138, 3328]$, $[1782, 1792]$, $[2187, 3840]$, $[119, 128]$, $[89, 3200]$, $[1801, 2688]$, $[1302, 1664]$, $[662, 3136]$, $[777, 1312]$

791. $[819, 2048]$, $[2375, 3072]$, $[3434, 512]$, $[3209, 2560]$, $[405, 1536]$, $[1091, 3584]$, $[2647, 2304]$, $[3127, 2816]$, $[590, 1792]$, $[1763, 3840]$, $[3079, 3200]$, $[656, 2112]$, $[291, 3136]$, $[1330, 576]$, $[777, 2880]$

792. $[1341, 2048]$, $[2629, 3072]$, $[366, 512]$, $[2413, 2560]$, $[2113, 1536]$, $[3245, 3584]$, $[2582, 2304]$, $[3722, 3328]$, $[2709, 768]$, $[1566, 1792]$, $[1302, 2176]$, $[2884, 2688]$, $[301, 2944]$, $[1683, 3648]$, $[1572, 3264]$

793. $[1322, 2048]$, $[2553, 3072]$, $[1067, 512]$, $[333, 2560]$, $[81, 1536]$, $[2125, 3584]$, $[1266, 2304]$, $[2, 3328]$, $[87, 768]$, $[3818, 2816]$, $[3134, 1792]$, $[3609, 128]$, $[338, 3200]$, $[1578, 3712]$, $[533, 3904]$

794. $[1117, 2048]$, $[857, 3072]$, $[2342, 512]$, $[3329, 2560]$, $[3268, 3584]$, $[1235, 2304]$, $[705, 3328]$, $[1727, 768]$, $[2157, 2816]$, $[193, 1792]$, $[3225, 3840]$, $[3938, 3200]$, $[2906, 2688]$, $[263, 1600]$, $[1595, 2368]$

795. $[1779, 2048]$, $[711, 3072]$, $[1486, 512]$, $[3455, 1536]$, $[3081, 3584]$, $[1723, 3328]$, $[3815, 768]$, $[2652, 2816]$, $[737, 1792]$, $[3876, 2176]$, $[1617, 2688]$, $[1887, 1664]$, $[3122, 1408]$, $[439, 2880]$, $[3132, 3264]$

796. $[291, 2048]$, $[2441, 3072]$, $[3137, 512]$, $[1052, 2560]$, $[453, 1536]$, $[468, 3584]$, $[7, 2304]$, $[2658, 768]$, $[2065, 1792]$, $[2160, 128]$, $[2890, 2176]$, $[1581, 1408]$, $[86, 3968]$, $[1068, 1856]$, $[2522, 3744]$

797. $[979, 2048]$, $[13, 3072]$, $[3102, 512]$, $[2449, 2560]$, $[3257, 1536]$, $[1236, 3584]$, $[3129, 3328]$, $[2176, 768]$, $[3746, 2816]$, $[241, 1792]$, $[3138, 3840]$, $[1557, 128]$, $[3359, 3648]$, $[3105, 2880]$, $[3761, 1984]$

798. $[331, 2048]$, $[161, 3072]$, $[373, 512]$, $[3573, 2560]$, $[1107, 1536]$, $[488, 3584]$, $[127, 3328]$, $[3593, 2816]$, $[553, 1792]$, $[2127, 128]$, $[2343, 2176]$, $[2864, 2112]$, $[401, 576]$, $[4021, 704]$, $[907, 1312]$

799. $[426, 2048]$, $[481, 3072]$, $[312, 512]$, $[2193, 2560]$, $[3415, 1536]$, $[3643, 2304]$, $[114, 768]$, $[749, 2816]$, $[2153, 1792]$, $[59, 3840]$, $[3402, 2688]$, $[855, 3712]$, $[870, 2944]$, $[3609, 576]$, $[3615, 2464]$

800. $[1949, 2048]$, $[926, 3072]$, $[99, 512]$, $[2105, 2560]$, $[1068, 3584]$, $[2585, 3328]$, $[1129, 1792]$, $[1127, 128]$, $[2599, 3200]$, $[776, 3712]$, $[2883, 1408]$, $[169, 3648]$, $[676, 1856]$, $[1052, 3520]$, $[447, 960]$

801. $[370, 2048]$, $[745, 3072]$, $[2356, 512]$, $[2202, 2560]$, $[1363, 3584]$, $[2219, 2304]$, $[1250, 768]$, $[681, 2816]$, $[569, 1792]$, $[2105, 128]$, $[3356, 2688]$, $[1388, 2944]$, $[2334, 3968]$, $[2983, 1600]$, $[1557, 3264]$

802. $[2022, 2048]$, $[132, 512]$, $[109, 2560]$, $[2488, 1536]$, $[1606, 3328]$, $[3610, 768]$, $[2668, 2816]$, $[185, 1792]$, $[3608, 2176]$, $[607, 3200]$, $[2926, 2688]$, $[2913, 1664]$, $[2225, 3136]$, $[1042, 192]$, $[3011, 2720]$

803. $[1373, 2048]$, $[777, 3072]$, $[1100, 512]$, $[3373, 1536]$, $[1388, 3584]$, $[217, 3328]$, $[1180, 768]$, $[2226, 2816]$, $[1573, 1792]$, $[1568, 3840]$, $[3137, 2176]$, $[1050, 3712]$, $[1199, 3136]$, $[3994, 576]$, $[3981, 448]$

804. $[722, 2048]$, $[2982, 3072]$, $[1298, 512]$, $[2259, 2560]$, $[1354, 1536]$, $[234, 3584]$, $[3093, 2304]$, $[3756, 768]$, $[3735, 2816]$, $[2149, 1792]$, $[1325, 3712]$, $[1873, 1408]$, $[3586, 3968]$, $[1969, 832]$, $[924, 192]$

805. $[1852, 2048]$, $[2117, 3072]$, $[369, 512]$, $[3310, 2560]$, $[2376, 1536]$, $[2319, 3584]$, $[119, 2304]$, $[2733, 3328]$, $[2197, 1792]$, $[26, 2688]$, $[1925, 2112]$, $[1840, 3136]$, $[1966, 1856]$, $[2705, 704]$, $[2893, 1696]$

806. $[899, 2048]$, $[2331, 3072]$, $[3441, 512]$, $[3501, 1536]$, $[3222, 3584]$, $[1692, 3328]$, $[1714, 768]$, $[3765, 1792]$, $[102, 3840]$, $[1380, 3200]$, $[318, 3712]$, $[285, 2112]$, $[3133, 3648]$, $[3615, 3392]$, $[3506, 2880]$

807. $[1195, 2048]$, $[845, 3072]$, $[2405, 2560]$, $[1112, 1536]$, $[3312, 3584]$, $[3084, 2304]$, $[2714, 768]$, $[1141, 1792]$, $[2835, 128]$, $[2150, 3712]$, $[889, 3968]$, $[1680, 2112]$, $[658, 3136]$, $[948, 832]$, $[1944, 2720]$

808. $[1310, 2048]$, $[249, 3072]$, $[2141, 512]$, $[3254, 2560]$, $[3377, 1536]$, $[559, 3328]$, $[1549, 1792]$, $[600, 3840]$, $[301, 128]$, $[1880, 2176]$, $[2861, 3200]$, $[2120, 1408]$, $[1050, 2112]$, $[2133, 3360]$, $[2190, 1888]$

809. $[1965, 2048]$, $[2215, 3072]$, $[3421, 512]$, $[131, 2560]$, $[2086, 1536]$, $[1249, 3584]$, $[3603, 3328]$, $[2741, 768]$, $[2589, 1792]$, $[3597, 3840]$, $[845, 2688]$, $[3122, 1664]$, $[1893, 3712]$, $[610, 1408]$, $[3250, 2880]$

810. $[1162, 2048]$, $[404, 512]$, $[1244, 2560]$, $[446, 1536]$, $[1495, 3584]$, $[1563, 3328]$, $[2140, 2816]$, $[221, 1792]$, $[1770, 3840]$, $[520, 2176]$, $[41, 1664]$, $[3448, 1408]$, $[3179, 3968]$, $[3643, 1600]$, $[1434, 2368]$

811. $[915, 2048]$, $[1289, 512]$, $[71, 2560]$, $[1431, 3584]$, $[2253, 2304]$, $[2688, 3328]$, $[2073, 768]$, $[3233, 2816]$, $[1149, 1792]$, $[3598, 2176]$, $[3371, 1664]$, $[1295, 3136]$, $[2694, 3648]$, $[1836, 832]$, $[649, 3232]$

812. $[1469, 2048]$, $[1515, 512]$, $[2317, 2560]$, $[2056, 3584]$, $[249, 3328]$, $[2112, 768]$, $[2179, 2816]$, $[1091, 1792]$, $[1864, 128]$, $[1320, 2176]$, $[618, 3200]$, $[330, 3712]$, $[825, 576]$, $[575, 3392]$, $[2961, 1824]$

813. $[1874, 2048]$, $[2062, 3072]$, $[1438, 512]$, $[1124, 2560]$, $[3113, 3584]$, $[1605, 2304]$, $[3186, 768]$, $[3619, 1792]$, $[1765, 3840]$, $[3095, 128]$, $[567, 1408]$, $[351, 2944]$, $[3387, 2880]$, $[33, 1856]$, $[1671, 1472]$

814. $[1587, 2048]$, $[2305, 3072]$, $[2329, 512]$, $[379, 2560]$, $[3365, 1536]$, $[665, 2304]$, $[675, 1792]$, $[2082, 3840]$, $[2656, 3200]$, $[2834, 2688]$, $[2392, 1664]$, $[647, 576]$, $[1069, 832]$, $[401, 1856]$, $[1560, 448]$

815. $[1387, 2048]$, $[170, 3072]$, $[244, 512]$, $[1348, 1536]$, $[447, 3584]$, $[2681, 3328]$, $[2787, 768]$, $[2098, 2816]$, $[3315, 1792]$, $[662, 3840]$, $[1565, 128]$, $[549, 2944]$, $[2691, 1600]$, $[293, 3392]$, $[1927, 3904]$

816. $[702, 2048]$, $[2421, 3072]$, $[2237, 512]$, $[262, 2560]$, $[467, 1536]$, $[2435, 3584]$, $[2776, 2304]$, $[3, 3328]$, $[2091, 1792]$, $[111, 3840]$, $[1110, 3712]$, $[2373, 1920]$, $[536, 3648]$, $[2818, 2880]$, $[2438, 960]$

817. $[362, 2048]$, $[191, 3072]$, $[146, 512]$, $[3549, 1536]$, $[1369, 3584]$, $[2757, 2304]$, $[3838, 3328]$, $[2668, 768]$, $[2795, 1792]$, $[1832, 128]$, $[2845, 3200]$, $[63, 2688]$, $[580, 1664]$, $[3907, 1920]$, $[1207, 3264]$

818. $[1620, 2048]$, $[2170, 512]$, $[1467, 2560]$, $[1065, 1536]$, $[647, 2304]$, $[662, 3328]$, $[246, 768]$, $[3739, 1792]$, $[620, 3840]$, $[1629, 128]$, $[628, 2176]$, $[1621, 1664]$, $[1281, 1920]$, $[2488, 1856]$, $[3677, 2080]$

819. $[1099, 2048]$, $[2407, 3072]$, $[1073, 512]$, $[3493, 2560]$, $[3309, 1536]$, $[3120, 3584]$, $[1147, 2304]$, $[2091, 768]$, $[1115, 1792]$, $[3455, 128]$, $[2597, 3712]$, $[1328, 1920]$, $[618, 3968]$, $[3990, 1600]$, $[773, 192]$

820. $[1121, 2048]$, $[793, 3072]$, $[1129, 512]$, $[125, 2560]$, $[2237, 3584]$, $[251, 2304]$, $[1614, 3328]$, $[3320, 768]$, $[2267, 1792]$, $[2107, 3840]$, $[2911, 2176]$, $[3455, 3712]$, $[3848, 1408]$, $[1468, 3264]$, $[3751, 704]$

821. $[2003, 2048]$, $[707, 3072]$, $[2298, 512]$, $[310, 2560]$, $[2500, 1536]$, $[366, 3584]$, $[635, 2304]$, $[3752, 2816]$, $[3323, 1792]$, $[611, 128]$, $[857, 2176]$, $[3686, 3712]$, $[3472, 3648]$, $[3627, 3904]$, $[1188, 3264]$

822. $[1987, 2048]$, $[2187, 3072]$, $[294, 512]$, $[2226, 2560]$, $[2051, 1536]$, $[2386, 3584]$, $[1667, 2304]$, $[1749, 3328]$, $[1786, 2816]$, $[2631, 1792]$, $[3871, 2176]$, $[2819, 3200]$, $[3498, 3648]$, $[2734, 2368]$, $[982, 1056]$

823. $[1115, 2048]$, $[854, 3072]$, $[2550, 2560]$, $[3387, 1536]$, $[2265, 3584]$, $[2069, 3328]$, $[3100, 768]$, $[535, 1792]$, $[1609, 128]$, $[562, 2176]$, $[3629, 3200]$, $[1346, 2688]$, $[125, 1920]$, $[415, 576]$, $[3357, 3264]$

824. $[1782, 2048]$, $[2373, 3072]$, $[1050, 512]$, $[425, 1536]$, $[3323, 3584]$, $[3128, 2304]$, $[2249, 3328]$, $[1143, 1792]$, $[1110, 128]$, $[381, 3200]$, $[3707, 3712]$, $[3916, 1408]$, $[1607, 2944]$, $[3614, 960]$, $[186, 4032]$

825. $[1059, 2048]$, $[2133, 3072]$, $[1403, 512]$, $[1110, 2560]$, $[474, 1536]$, $[3298, 3584]$, $[2298, 2304]$, $[1571, 768]$, $[608, 3840]$, $[819, 3200]$, $[2345, 2688]$, $[2900, 1408]$, $[1184, 2112]$, $[264, 1600]$, $[4056, 2784]$

826. $[1946, 2048]$, $[259, 3072]$, $[2217, 512]$, $[3204, 2560]$, $[3502, 1536]$, $[348, 3584]$, $[601, 2304]$, $[3638, 2816]$, $[520, 3840]$, $[1392, 3200]$, $[354, 2688]$, $[331, 3968]$, $[3228, 1600]$, $[1805, 2368]$, $[1461, 704]$

827. $[802, 2048]$, $[2087, 3072]$, $[3233, 512]$, $[2263, 1536]$, $[207, 3584]$, $[1097, 2304]$, $[1179, 3328]$, $[1276, 1792]$, $[1144, 3840]$, $[3131, 3200]$, $[3946, 2688]$, $[1356, 1664]$, $[1049, 576]$, $[1947, 2368]$, $[1293, 960]$

828. $[1884, 2048]$, $[980, 3072]$, $[1505, 512]$, $[456, 2560]$, $[2124, 2304]$, $[1686, 2816]$, $[2579, 1792]$, $[2808, 3840]$, $[3603, 128]$, $[554, 2176]$, $[353, 2688]$, $[3608, 1664]$, $[3890, 1408]$, $[267, 2944]$, $[282, 960]$

829. $[505, 2048]$, $[2654, 3072]$, $[1237, 512]$, $[77, 2560]$, $[1338, 1536]$, $[3313, 3584]$, $[2576, 2304]$, $[3800, 3328]$, $[3076, 3840]$, $[281, 3200]$, $[1577, 1664]$, $[98, 3712]$, $[2834, 1408]$, $[3383, 576]$, $[1822, 2880]$

830. $[1035, 2048]$, $[226, 3072]$, $[2247, 512]$, $[3255, 2560]$, $[3300, 3584]$, $[1782, 3328]$, $[2625, 768]$, $[3798, 2816]$, $[2774, 1792]$, $[148, 3840]$, $[59, 1600]$, $[3239, 3904]$, $[405, 3264]$, $[3371, 704]$, $[3382, 3520]$

831. $[1618, 2048]$, $[86, 3072]$, $[420, 512]$, $[217, 2560]$, $[2460, 1536]$, $[1678, 3328]$, $[1762, 768]$, $[2690, 1792]$, $[2228, 3840]$, $[639, 128]$, $[3135, 1664]$, $[330, 2944]$, $[302, 3968]$, $[313, 2112]$, $[3357, 3520]$

832. $[1490, 2048]$, $[2766, 3072]$, $[3380, 512]$, $[1260, 2560]$, $[293, 1536]$, $[607, 3328]$, $[236, 1792]$, $[140, 3840]$, $[3885, 3200]$, $[2050, 2688]$, $[3875, 1664]$, $[2746, 2112]$, $[1922, 3136]$, $[307, 832]$, $[3098, 2880]$

833. $[230, 2048]$, $[381, 3072]$, $[2131, 512]$, $[365, 2560]$, $[375, 1536]$, $[1209, 3584]$, $[3628, 2304]$, $[3674, 3328]$, $[3144, 768]$, $[44, 3840]$, $[1324, 128]$, $[1826, 3200]$, $[806, 1920]$, $[2588, 1600]$, $[923, 704]$

834. $[310, 2048]$, $[2155, 3072]$, $[1317, 512]$, $[194, 2560]$, $[175, 1536]$, $[3297, 2304]$, $[567, 2816]$, $[1218, 3840]$, $[534, 2176]$, $[1125, 2688]$, $[3654, 1664]$, $[1438, 2112]$, $[2972, 3136]$, $[517, 2368]$, $[1975, 3392]$

835. $[1882, 2048]$, $[207, 3072]$, $[1068, 512]$, $[1287, 2560]$, $[3259, 1536]$, $[1274, 3584]$, $[1776, 3328]$, $[1570, 3840]$, $[3710, 128]$, $[1332, 2688]$, $[616, 3968]$, $[2831, 576]$, $[3724, 2368]$, $[1715, 3392]$, $[2358, 3520]$

836. $[489, 2048]$, $[946, 3072]$, $[440, 512]$, $[472, 2560]$, $[3404, 1536]$, $[2289, 2304]$, $[158, 3328]$, $[648, 768]$, $[674, 3840]$, $[2421, 2176]$, $[1554, 3200]$, $[1575, 3712]$, $[2150, 1408]$, $[2079, 3136]$, $[1616, 1056]$

837. $[363, 2048]$, $[2742, 3072]$, $[333, 512]$, $[3277, 2560]$, $[1189, 1536]$, $[2303, 3584]$, $[1539, 2304]$, $[1101, 2816]$, $[2274, 3840]$, $[3412, 128]$, $[1060, 2176]$, $[2316, 3712]$, $[337, 2944]$, $[3859, 2112]$, $[570, 832]$

838. $[2035, 2048]$, $[3149, 512]$, $[3390, 2560]$, $[1347, 1536]$, $[3213, 2304]$, $[1259, 3328]$, $[2565, 768]$, $[3177, 1792]$, $[146, 3840]$, $[3097, 3200]$, $[3675, 2688]$, $[2213, 2112]$, $[1682, 576]$, $[3225, 3648]$, $[2955, 192]$

839. $[677, 2048]$, $[2609, 3072]$, $[3231, 512]$, $[3523, 2560]$, $[2230, 1536]$, $[3138, 3584]$, $[135, 768]$, $[3744, 1792]$, $[1074, 3840]$, $[2171, 3200]$, $[874, 1664]$, $[1128, 3712]$, $[1393, 2944]$, $[2073, 2880]$, $[2572, 2720]$

840. $[102, 2048]$, $[971, 3072]$, $[3317, 512]$, $[2443, 2560]$, $[2303, 1536]$, $[33, 3584]$, $[745, 3328]$, $[2163, 768]$, $[1027, 2816]$, $[2738, 3840]$, $[2332, 128]$, $[833, 3200]$, $[797, 3712]$, $[2561, 1408]$, $[3610, 1920]$

841. $[1443, 2048]$, $[985, 3072]$, $[497, 512]$, $[3574, 2560]$, $[3444, 1536]$, $[1463, 3584]$, $[1260, 3328]$, $[201, 2816]$, $[1656, 1792]$, $[2106, 3840]$, $[276, 2176]$, $[1290, 3200]$, $[3972, 3136]$, $[1085, 704]$, $[3214, 1472]$

842. $[1444, 2048]$, $[2091, 3072]$, $[2087, 512]$, $[3193, 2560]$, $[205, 1536]$, $[3464, 3584]$, $[2704, 2304]$, $[2220, 2816]$, $[2092, 1792]$, $[698, 3840]$, $[2940, 3200]$, $[611, 2944]$, $[269, 3968]$, $[1468, 1600]$, $[683, 3648]$

843. $[630, 2048]$, $[55, 3072]$, $[2171, 512]$, $[307, 2560]$, $[1748, 2304]$, $[1756, 768]$, $[3300, 2816]$, $[3721, 1792]$, $[182, 3840]$, $[3909, 2176]$, $[1374, 1664]$, $[127, 3712]$, $[1812, 1408]$, $[1292, 1600]$, $[2614, 1984]$

844. $[1445, 2048]$, $[2366, 3072]$, $[2108, 512]$, $[1419, 2560]$, $[3461, 3584]$, $[3803, 3328]$, $[2605, 768]$, $[217, 1792]$, $[694, 3840]$, $[1539, 128]$, $[3875, 2176]$, $[1048, 1408]$, $[3621, 1920]$, $[656, 3136]$, $[312, 1600]$

845. $[1526, 2048]$, $[150, 3072]$, $[2381, 512]$, $[191, 2560]$, $[2089, 1536]$, $[2470, 3584]$, $[118, 3840]$, $[1103, 128]$, $[1593, 2176]$, $[3454, 3200]$, $[1905, 1408]$, $[3909, 2944]$, $[62, 1920]$, $[2967, 2112]$, $[701, 3520]$

846. $[1963, 2048]$, $[461, 3072]$, $[2393, 512]$, $[3160, 1536]$, $[2306, 3584]$, $[1085, 768]$, $[1558, 2816]$, $[3837, 1792]$, $[2734, 3840]$, $[623, 128]$, $[583, 3200]$, $[2871, 1408]$, $[2615, 3968]$, $[3107, 3648]$, $[553, 960]$

847. $[437, 2048]$, $[797, 3072]$, $[3219, 512]$, $[288, 2560]$, $[3298, 1536]$, $[2159, 3584]$, $[3255, 3328]$, $[3658, 2816]$, $[1189, 1792]$, $[750, 3840]$, $[267, 1664]$, $[2643, 3712]$, $[1932, 3648]$, $[3879, 3392]$, $[3387, 3520]$

848. $[1051, 2048]$, $[393, 3072]$, $[98, 512]$, $[1469, 2560]$, $[362, 1536]$, $[3282, 2304]$, $[597, 3328]$, $[2303, 768]$, $[537, 1792]$, $[1566, 3840]$, $[551, 2688]$, $[3598, 1664]$, $[1094, 3712]$, $[59, 1856]$, $[1922, 704]$

849. $[1554, 2048]$, $[726, 3072]$, $[1113, 512]$, $[3327, 2560]$, $[1217, 1536]$, $[581, 2816]$, $[1542, 1792]$, $[734, 3840]$, $[2431, 128]$, $[1817, 3200]$, $[3954, 2688]$, $[551, 3712]$, $[1162, 576]$, $[2993, 2368]$, $[1685, 416]$

850. $[414, 2048]$, $[2579, 3072]$, $[2450, 512]$, $[2124, 2560]$, $[181, 1536]$, $[2486, 3584]$, $[1067, 2304]$, $[3642, 768]$, $[3166, 2816]$, $[252, 1792]$, $[241, 3840]$, $[3454, 3712]$, $[3452, 2944]$, $[3106, 3392]$, $[703, 1472]$

851. $[1345, 2048]$, $[70, 3072]$, $[1076, 512]$, $[80, 2560]$, $[500, 1536]$, $[308, 3584]$, $[1123, 2304]$, $[1637, 1792]$, $[2153, 3840]$, $[3120, 2176]$, $[892, 2688]$, $[335, 1664]$, $[3411, 1408]$, $[574, 2944]$, $[3856, 1696]$

852. $[1354, 2048]$, $[2093, 3072]$, $[2556, 512]$, $[1492, 2560]$, $[3167, 1536]$, $[1127, 3584]$, $[1142, 2816]$, $[1207, 1792]$, $[3173, 3840]$, $[79, 2176]$, $[2853, 1664]$, $[1132, 2944]$, $[3391, 1920]$, $[2859, 832]$, $[675, 192]$

853. $[801, 2048]$, $[219, 3072]$, $[1169, 512]$, $[227, 2560]$, $[3192, 1536]$, $[390, 3584]$, $[3799, 2304]$, $[67, 768]$, $[1042, 2816]$, $[2789, 3840]$, $[2122, 3200]$, $[349, 3712]$, $[3157, 3968]$, $[318, 3648]$, $[3204, 448]$

854. $[1523, 2048]$, $[2467, 3072]$, $[1163, 512]$, $[31, 2560]$, $[1038, 1536]$, $[1200, 2304]$, $[642, 768]$, $[2681, 2816]$, $[2163, 1792]$, $[2197, 3840]$, $[520, 128]$, $[559, 2944]$, $[3607, 1920]$, $[1537, 3968]$, $[518, 960]$

855. $[539, 2048]$, $[83, 3072]$, $[2073, 512]$, $[2360, 2560]$, $[269, 1536]$, $[75, 3584]$, $[3821, 2304]$, $[2609, 768]$, $[1205, 3840]$, $[323, 128]$, $[2885, 2688]$, $[47, 3712]$, $[2355, 1920]$, $[1430, 1600]$, $[447, 832]$

856. $[1827, 2048]$, $[451, 3072]$, $[3483, 512]$, $[3572, 1536]$, $[3212, 2304]$, $[1636, 3328]$, $[2758, 2816]$, $[3757, 3840]$, $[1281, 2688]$, $[3943, 1408]$, $[264, 576]$, $[1153, 1600]$, $[1471, 448]$, $[3082, 3520]$, $[602, 3744]$

857. $[1756, 2048]$, $[474, 3072]$, $[2390, 512]$, $[394, 2560]$, $[2272, 1536]$, $[2259, 2304]$, $[621, 3840]$, $[3341, 128]$, $[2404, 2176]$, $[2376, 3200]$, $[513, 3712]$, $[1944, 1600]$, $[2189, 3392]$, $[3519, 448]$, $[3715, 1472]$

858. $[1179, 2048]$, $[887, 3072]$, $[213, 512]$, $[1213, 1536]$, $[3170, 3584]$, $[2572, 2304]$, $[3133, 3840]$, $[633, 128]$, $[102, 2688]$, $[2870, 1664]$, $[2867, 2944]$, $[3599, 3136]$, $[2828, 832]$, $[3890, 2880]$, $[398, 1984]$

859. $[1883, 2048]$, $[511, 3072]$, $[1197, 512]$, $[414, 2560]$, $[2388, 1536]$, $[2540, 3584]$, $[2152, 768]$, $[1125, 2816]$, $[3645, 3840]$, $[638, 1408]$, $[3376, 2112]$, $[3232, 1600]$, $[2606, 3648]$, $[4022, 3904]$, $[4042, 2144]$

860. $[739, 2048]$, $[3017, 3072]$, $[2501, 512]$, $[3194, 2560]$, $[1259, 1536]$, $[2436, 3584]$, $[2809, 3328]$, $[621, 2816]$, $[2115, 3840]$, $[2345, 2176]$, $[2643, 2688]$, $[3348, 2944]$, $[3616, 2112]$, $[3610, 3136]$, $[570, 704]$

861. $[998, 2048]$, $[2957, 3072]$, $[172, 512]$, $[460, 2560]$, $[2434, 1536]$, $[1068, 768]$, $[3773, 2816]$, $[1075, 3840]$, $[2112, 2176]$, $[2357, 2944]$, $[879, 1920]$, $[283, 3968]$, $[1926, 3136]$, $[2955, 1856]$, $[1950, 416]$

862. $[1799, 2048]$, $[725, 3072]$, $[2151, 512]$, $[121, 2560]$, $[1107, 2304]$, $[1560, 3328]$, $[1715, 3840]$, $[1573, 128]$, $[2632, 3200]$, $[575, 1664]$, $[610, 3712]$, $[1919, 1408]$, $[513, 1920]$, $[2564, 1600]$, $[411, 2464]$

863. $[1415, 2048]$, $[963, 3072]$, $[3114, 512]$, $[350, 2560]$, $[2497, 1536]$, $[2187, 2304]$, $[2724, 3328]$, $[2056, 2816]$, $[1604, 1792]$, $[1035, 3840]$, $[3631, 3712]$, $[2653, 2944]$, $[3653, 1920]$, $[178, 3136]$, $[133, 1856]$

864. $[1947, 2048]$, $[723, 3072]$, $[469, 512]$, $[1453, 1536]$, $[3290, 3584]$, $[1087, 2304]$, $[725, 2816]$, $[2763, 3840]$, $[1901, 2176]$, $[2083, 2688]$, $[3189, 1664]$, $[3855, 3712]$, $[2317, 2112]$, $[2853, 2368]$, $[2453, 3488]$

865. $[1198, 2048]$, $[510, 3072]$, $[3123, 512]$, $[3421, 2560]$, $[3196, 1536]$, $[764, 2304]$, $[3792, 3328]$, $[747, 3840]$, $[2637, 128]$, $[1105, 3200]$, $[1406, 2688]$, $[3931, 2944]$, $[2155, 1920]$, $[2885, 3968]$, $[1588, 3264]$

866. $[1973, 2048]$, $[621, 3072]$, $[1419, 512]$, $[3322, 2560]$, $[2160, 1536]$, $[1416, 3584]$, $[3741, 2816]$, $[2146, 1792]$, $[3163, 3840]$, $[1650, 3200]$, $[1554, 1664]$, $[282, 1408]$, $[2830, 1920]$, $[3846, 3968]$, $[1611, 1056]$

867. $[469, 2048]$, $[718, 3072]$, $[3343, 512]$, $[1315, 2560]$, $[3431, 1536]$, $[3077, 3584]$, $[3238, 768]$, $[1660, 2816]$, $[2267, 3840]$, $[1653, 2176]$, $[2082, 2688]$, $[1087, 1664]$, $[534, 1408]$, $[3638, 192]$, $[2988, 3264]$

868. $[1805, 2048]$, $[2679, 3072]$, $[493, 512]$, $[1163, 2560]$, $[131, 1536]$, $[2116, 3328]$, $[2808, 768]$, $[668, 2816]$, $[3195, 3840]$, $[3646, 1664]$, $[1438, 576]$, $[1847, 1600]$, $[2457, 2368]$, $[3880, 2880]$, $[1549, 1472]$

869. $[2019, 2048]$, $[2487, 3072]$, $[1441, 512]$, $[2386, 2560]$, $[2352, 1536]$, $[139, 3584]$, $[213, 2304]$, $[660, 2816]$, $[3079, 3840]$, $[852, 128]$, $[1070, 1408]$, $[2852, 2944]$, $[804, 1920]$, $[2598, 3904]$, $[3214, 3264]$

870. $[1302, 2048]$, $[371, 3072]$, $[444, 512]$, $[3417, 2560]$, $[2167, 1536]$, $[2252, 2304]$, $[2785, 3328]$, $[630, 2816]$, $[1156, 1792]$, $[3655, 3840]$, $[3933, 3200]$, $[3881, 1408]$, $[3475, 3648]$, $[1686, 2880]$, $[574, 3904]$

871. $[91, 2048]$, $[2507, 3072]$, $[25, 512]$, $[174, 2560]$, $[76, 1536]$, $[219, 3584]$, $[2104, 2304]$, $[2204, 2816]$, $[3270, 1792]$, $[3303, 3840]$, $[1592, 128]$, $[1836, 2176]$, $[3161, 1664]$, $[3892, 1408]$, $[1962, 3520]$

872. $[731, 2048]$, $[3007, 3072]$, $[3369, 512]$, $[1266, 1536]$, $[1601, 3328]$, $[3807, 768]$, $[2582, 2816]$, $[1767, 3840]$, $[319, 2176]$, $[876, 2688]$, $[2134, 1664]$, $[3098, 1408]$, $[2355, 2944]$, $[33, 2368]$, $[3878, 1984]$

873. $[443, 2048]$, $[311, 512]$, $[3450, 2560]$, $[503, 1536]$, $[2102, 3584]$, $[1093, 2304]$, $[2052, 768]$, $[2583, 3840]$, $[1625, 2176]$, $[3428, 2688]$, $[2405, 3712]$, $[355, 3968]$, $[2603, 2112]$, $[280, 3136]$, $[1694, 3520]$

874. $[1723, 2048]$, $[807, 3072]$, $[315, 512]$, $[1281, 2560]$, $[2273, 1536]$, $[3289, 3584]$, $[1189, 2304]$, $[1273, 3328]$, $[2657, 768]$, $[588, 2816]$, $[2263, 3840]$, $[2081, 2176]$, $[1370, 1664]$, $[2171, 3712]$, $[1718, 704]$

875. $[322, 2048]$, $[2702, 3072]$, $[2502, 512]$, $[3566, 2560]$, $[1258, 2304]$, $[2244, 768]$, $[1150, 2816]$, $[3191, 3840]$, $[3920, 128]$, $[790, 2176]$, $[2310, 2688]$, $[2191, 576]$, $[1583, 2880]$, $[1832, 192]$, $[3156, 3360]$

876. $[19, 2048]$, $[2350, 3072]$, $[343, 512]$, $[2170, 2560]$, $[452, 1536]$, $[1507, 3584]$, $[1594, 2304]$, $[3768, 3328]$, $[3199, 768]$, $[3721, 2816]$, $[3693, 1792]$, $[3631, 3840]$, $[2638, 1664]$, $[3675, 2944]$, $[942, 3392]$

877. $[39, 2048]$, $[2143, 3072]$, $[2517, 512]$, $[1079, 2560]$, $[1450, 1536]$, $[3118, 2304]$, $[2759, 3328]$, $[3112, 768]$, $[683, 1792]$, $[3615, 3840]$, $[3851, 2688]$, $[1128, 1408]$, $[1840, 3968]$, $[811, 576]$, $[401, 832]$

878. $[2042, 2048]$, $[17, 3072]$, $[1371, 512]$, $[1187, 2560]$, $[3224, 3584]$, $[3665, 3328]$, $[73, 2816]$, $[3284, 1792]$, $[2207, 3840]$, $[1388, 3200]$, $[285, 3712]$, $[3408, 2944]$, $[3762, 2112]$, $[1975, 3648]$, $[2060, 4032]$

879. $[1703, 2048]$, $[2883, 3072]$, $[3371, 2560]$, $[3183, 1536]$, $[3435, 3584]$, $[624, 2304]$, $[1149, 3328]$, $[1643, 768]$, $[2623, 3840]$, $[3668, 128]$, $[89, 2688]$, $[4029, 1600]$, $[1939, 832]$, $[2967, 1856]$, $[1027, 960]$

880. $[1906, 2048]$, $[659, 3072]$, $[2429, 2560]$, $[1332, 1536]$, $[1309, 3584]$, $[1742, 2304]$, $[2076, 768]$, $[1100, 2816]$, $[228, 1792]$, $[2224, 3840]$, $[3904, 128]$, $[770, 2688]$, $[2080, 1664]$, $[2647, 3968]$, $[1439, 448]$

881. $[243, 2048]$, $[239, 3072]$, $[3163, 512]$, $[236, 1536]$, $[2442, 3584]$, $[2725, 768]$, $[124, 2816]$, $[604, 1792]$, $[3888, 128]$, $[2058, 3200]$, $[127, 2688]$, $[530, 2944]$, $[2378, 1920]$, $[774, 3904]$, $[2831, 3104]$

882. $[1578, 2048]$, $[819, 3072]$, $[2180, 512]$, $[195, 1536]$, $[2350, 3584]$, $[1620, 3328]$, $[1119, 768]$, $[2289, 1792]$, $[3798, 3840]$, $[1144, 128]$, $[1795, 3200]$, $[2898, 1408]$, $[3000, 1856]$, $[2750, 192]$, $[2052, 3104]$

883. $[723, 2048]$, $[2211, 3072]$, $[275, 512]$, $[3272, 2560]$, $[3447, 1536]$, $[2296, 3584]$, $[2640, 2304]$, $[2291, 2816]$, $[3076, 128]$, $[2906, 2176]$, $[3118, 3200]$, $[2072, 2688]$, $[2408, 1664]$, $[2154, 2944]$, $[3368, 2112]$

884. $[1686, 2048]$, $[925, 3072]$, $[1158, 512]$, $[1299, 2560]$, $[2543, 1536]$, $[1083, 3584]$, $[2600, 2304]$, $[1213, 3328]$, $[3747, 768]$, $[1552, 2816]$, $[356, 128]$, $[3930, 2176]$, $[773, 2112]$, $[1316, 832]$, $[2332, 3232]$

885. $[222, 2048]$, $[2241, 3072]$, $[1509, 512]$, $[1376, 2560]$, $[2154, 1536]$, $[1786, 2304]$, $[2102, 1792]$, $[2736, 3840]$, $[2132, 128]$, $[1138, 2688]$, $[2331, 1664]$, $[1322, 1920]$, $[1412, 3520]$, $[592, 1056]$, $[1556, 3104]$

886. $[918, 2048]$, $[343, 3072]$, $[1471, 512]$, $[1071, 2560]$, $[69, 1536]$, $[3508, 3584]$, $[191, 2304]$, $[2096, 3328]$, $[3218, 768]$, $[2751, 2816]$, $[733, 3840]$, $[2828, 128]$, $[2603, 3968]$, $[1932, 3136]$, $[3111, 576]$

887. $[1291, 2048]$, $[698, 3072]$, $[3295, 512]$, $[379, 1536]$, $[2238, 2304]$, $[1606, 768]$, $[3174, 1792]$, $[2636, 128]$, $[3916, 2688]$, $[271, 1664]$, $[3123, 1408]$, $[378, 2944]$, $[769, 2112]$, $[519, 576]$, $[2823, 3392]$

888. [1132, 2048], [258, 3072], [25, 2560], [80, 1536], [2683, 3328], [2262, 3840], [812, 128], [2173, 3200], [585, 1664], [3895, 3712], [3340, 1408], [3619, 1600], [3758, 3648], [2997, 2368], [520, 3104]
889. [1166, 2048], [389, 3072], [1325, 512], [2106, 2560], [335, 1536], [3130, 3328], [37, 2816], [3635, 1792], [3596, 3840], [2620, 128], [892, 3200], [1587, 1664], [2857, 2944], [2316, 1600], [1307, 448]
890. [2043, 2048], [927, 3072], [2191, 512], [2479, 1536], [2349, 3584], [1237, 2304], [2193, 3328], [3779, 2816], [3834, 1792], [354, 128], [3400, 2688], [3951, 1664], [2579, 1920], [2093, 1600], [932, 2880]
891. [311, 2048], [2983, 3072], [203, 512], [295, 2560], [3363, 1536], [3393, 3584], [2568, 2304], [735, 3328], [609, 1792], [157, 3840], [3858, 128], [2745, 3392], [180, 832], [3501, 2880], [2906, 1056]
892. [17, 2048], [2907, 3072], [2405, 512], [322, 2560], [339, 3584], [3078, 2304], [2719, 768], [3615, 2816], [626, 1792], [3410, 128], [3928, 2176], [1655, 3200], [3619, 2688], [3080, 1664], [2100, 192]
893. [1355, 2048], [846, 3072], [1123, 512], [3326, 2560], [2366, 1536], [1200, 3328], [611, 768], [554, 1792], [3914, 128], [2566, 1408], [310, 2944], [2695, 2112], [3890, 3904], [2230, 3264], [1233, 2080]
894. [361, 2048], [826, 3072], [1415, 512], [1362, 1536], [1056, 3584], [2066, 2304], [132, 768], [1561, 2816], [1050, 128], [822, 2176], [3888, 2688], [3618, 3968], [532, 3136], [1194, 576], [3386, 448]
895. [206, 2048], [30, 3072], [3510, 512], [3197, 2560], [135, 1536], [3169, 3584], [1715, 768], [767, 2816], [282, 128], [1351, 2176], [794, 1664], [3959, 1408], [782, 2944], [4026, 2112], [940, 3648]
896. [745, 2048], [2751, 3072], [1204, 512], [1515, 2560], [2538, 1536], [602, 128], [3956, 2176], [46, 1664], [1881, 3712], [376, 1408], [353, 1920], [162, 2368], [1437, 2880], [394, 3904], [1939, 3264]
897. [1985, 2048], [2989, 3072], [2263, 512], [3311, 2560], [491, 1536], [2162, 2304], [2150, 3328], [552, 2816], [1723, 3840], [6, 128], [35, 2176], [1866, 2688], [839, 3712], [1117, 3968], [2962, 576]
898. [871, 2048], [217, 3072], [2437, 512], [1245, 2560], [1205, 1536], [1525, 3584], [253, 1792], [1214, 3840], [326, 128], [1402, 2176], [2615, 1664], [283, 1408], [1162, 2880], [3351, 1472], [1068, 1984]
899. [574, 2048], [653, 3072], [274, 512], [1134, 1536], [2797, 2304], [3740, 3328], [2575, 768], [3649, 2816], [1814, 128], [1357, 2176], [3700, 1664], [2999, 1600], [139, 3392], [2689, 1856], [514, 3520]
900. [471, 2048], [237, 3072], [2113, 512], [259, 2560], [1058, 3584], [2103, 2304], [2278, 3328], [854, 128], [1036, 2176], [537, 3200], [3669, 1408], [667, 2112], [2333, 3392], [1936, 1856], [3219, 3104]
901. [1851, 2048], [947, 3072], [2092, 512], [2411, 2560], [1093, 3584], [1172, 3328], [3084, 768], [1789, 2816], [3247, 1792], [1846, 128], [2891, 2176], [2357, 3392], [3078, 192], [143, 448], [1931, 1312]
902. [1194, 2048], [2967, 3072], [1401, 512], [1165, 2560], [2339, 1536], [2806, 3328], [2621, 2816], [1786, 1792], [2606, 128], [2338, 3200], [1905, 3712], [2623, 2944], [3639, 576], [2829, 2368], [1175, 3520]
903. [58, 2048], [3039, 3072], [286, 512], [315, 2560], [3402, 1536], [3655, 2304], [1591, 3328], [2702, 768], [622, 128], [2681, 2176], [2350, 2688], [532, 1920], [1468, 2112], [1703, 1600], [1082, 1856]
904. [965, 2048], [2620, 3072], [2443, 512], [2059, 1536], [2071, 3584], [3638, 2304], [2631, 768], [2299, 2816], [2174, 128], [2834, 2944], [21, 1920], [3491, 3136], [3374, 2368], [3098, 192], [1708, 704]
905. [1797, 2048], [337, 3072], [2319, 512], [3401, 2560], [326, 1536], [3195, 3584], [1727, 2304], [3746, 3328], [2562, 768], [177, 1792], [3857, 128], [616, 3200], [1294, 2688], [1794, 1408], [3664, 1920]
906. [1386, 2048], [951, 3072], [2423, 512], [455, 2560], [1154, 1536], [1279, 2304], [183, 3328], [1223, 768], [2775, 3840], [1321, 128], [3922, 2176], [2625, 2688], [3437, 3712], [2494, 3392], [1214, 4032]
907. [903, 2048], [509, 3072], [3560, 512], [377, 2560], [3249, 1536], [3445, 3584], [518, 2304], [1731, 3328], [177, 768], [3673, 128], [609, 3200], [2067, 1664], [3724, 2112], [2870, 576], [3122, 1984]
908. [415, 2048], [3062, 3072], [2069, 512], [1267, 2560], [198, 1536], [382, 3584], [3094, 2304], [3812, 1792], [1285, 128], [123, 2688], [609, 1664], [2057, 3712], [2848, 3136], [2597, 704], [2195, 2592]
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910. [1823, 2048], [2655, 3072], [3350, 512], [1175, 2560], [3213, 1536], [78, 3584], [199, 2304], [621, 3328], [3321, 2816], [518, 1792], [3312, 3840], [2581, 128], [1102, 1664], [2864, 3648], [692, 3904]
911. [1471, 2048], [2207, 3072], [44, 512], [3553, 1536], [1222, 3584], [143, 2304], [3799, 3328], [3610, 2816], [2325, 128], [1651, 1664], [1345, 3968], [3619, 2112], [4031, 3136], [2836, 1856], [3094, 3360]
912. [382, 2048], [709, 3072], [319, 512], [3451, 2560], [2076, 1536], [3397, 3584], [2239, 2304], [3744, 768], [2152, 2816], [2191, 1792], [1067, 3840], [877, 128], [2880, 3968], [2605, 1600], [2095, 3392]
913. [895, 2048], [493, 3072], [3531, 512], [2249, 2560], [3575, 1536], [3403, 3584], [2633, 2304], [2714, 3328], [1083, 2816], [3731, 1792], [712, 3840], [285, 128], [3607, 3200], [4006, 576], [2356, 448]

914. $[1759, 2048]$, $[2235, 3072]$, $[3335, 2560]$, $[2137, 1536]$, $[3124, 3584]$, $[3831, 2304]$, $[3165, 128]$, $[787, 2176]$, $[3089, 2688]$, $[3621, 3712]$, $[3477, 2112]$, $[171, 3136]$, $[3897, 576]$, $[3478, 2368]$, $[1299, 1984]$

915. $[1681, 2048]$, $[989, 3072]$, $[1255, 512]$, $[1495, 2560]$, $[2461, 1536]$, $[1341, 3584]$, $[2228, 2304]$, $[135, 2816]$, $[1686, 3840]$, $[2883, 128]$, $[1793, 3200]$, $[3643, 1664]$, $[3744, 1600]$, $[530, 448]$, $[648, 960]$

916. $[934, 2048]$, $[2635, 3072]$, $[1339, 512]$, $[1355, 2560]$, $[1228, 1536]$, $[547, 2304]$, $[1688, 3328]$, $[3291, 768]$, $[2720, 2816]$, $[35, 128]$, $[3393, 2688]$, $[3351, 1408]$, $[3622, 2880]$, $[681, 1984]$, $[1176, 4032]$

917. $[397, 2048]$, $[814, 3072]$, $[3417, 512]$, $[3112, 2560]$, $[499, 3584]$, $[58, 2304]$, $[2733, 768]$, $[1827, 128]$, $[1848, 2688]$, $[1605, 3712]$, $[105, 3968]$, $[809, 1600]$, $[1053, 3648]$, $[921, 192]$, $[1942, 1472]$

918. $[1838, 2048]$, $[2402, 3072]$, $[131, 512]$, $[2218, 2560]$, $[2163, 3584]$, $[3761, 2304]$, $[113, 3328]$, $[2600, 3840]$, $[3683, 128]$, $[3333, 3200]$, $[3868, 3712]$, $[3118, 2944]$, $[3510, 2112]$, $[1549, 576]$, $[2191, 832]$

919. $[635, 2048]$, $[79, 3072]$, $[2167, 512]$, $[3386, 2560]$, $[71, 1536]$, $[76, 3584]$, $[3265, 2304]$, $[3663, 1792]$, $[2815, 3840]$, $[1395, 128]$, $[1821, 1664]$, $[893, 2944]$, $[2347, 3968]$, $[1455, 3136]$, $[3089, 3392]$

920. $[1343, 2048]$, $[902, 3072]$, $[1164, 512]$, $[373, 2560]$, $[471, 1536]$, $[2477, 3584]$, $[2626, 2304]$, $[3716, 3328]$, $[3196, 3840]$, $[1099, 128]$, $[2913, 3200]$, $[2930, 3712]$, $[1332, 576]$, $[191, 3648]$, $[646, 3904]$

921. $[583, 2048]$, $[269, 3072]$, $[113, 512]$, $[3509, 2560]$, $[2423, 1536]$, $[3247, 2304]$, $[2148, 3328]$, $[122, 3840]$, $[1323, 128]$, $[22, 3200]$, $[1395, 1664]$, $[1861, 2944]$, $[3449, 1920]$, $[2330, 3136]$, $[1852, 704]$

922. $[1845, 2048]$, $[426, 3072]$, $[1343, 512]$, $[166, 2560]$, $[1407, 1536]$, $[19, 2304]$, $[552, 3328]$, $[3760, 768]$, $[1147, 2816]$, $[129, 3840]$, $[3883, 128]$, $[2345, 1408]$, $[1883, 1920]$, $[1153, 1984]$, $[2651, 2720]$

923. $[1299, 2048]$, $[2170, 3072]$, $[2074, 512]$, $[1519, 2560]$, $[2368, 1536]$, $[2596, 2304]$, $[1266, 3328]$, $[3255, 768]$, $[1161, 2816]$, $[3229, 1792]$, $[3435, 128]$, $[1585, 3712]$, $[3615, 3968]$, $[3387, 2112]$, $[2852, 832]$

924. $[759, 2048]$, $[919, 3072]$, $[1358, 512]$, $[2393, 2560]$, $[3194, 2304]$, $[158, 768]$, $[219, 2816]$, $[3625, 1792]$, $[2581, 3840]$, $[1115, 128]$, $[2094, 2176]$, $[3956, 2688]$, $[3254, 3648]$, $[2212, 3904]$, $[1809, 1984]$

925. $[1425, 2048]$, $[2401, 3072]$, $[1522, 512]$, $[2499, 2560]$, $[1270, 1536]$, $[43, 3584]$, $[2794, 768]$, $[3646, 2816]$, $[3250, 1792]$, $[1063, 128]$, $[1094, 2176]$, $[2595, 3200]$, $[777, 1600]$, $[2948, 832]$, $[4006, 1856]$

926. $[1335, 2048]$, $[2067, 3072]$, $[1361, 512]$, $[3265, 1536]$, $[1498, 3584]$, $[1107, 3328]$, $[1205, 768]$, $[2712, 2816]$, $[3687, 128]$, $[3380, 3200]$, $[3199, 3712]$, $[2360, 3968]$, $[3242, 2112]$, $[551, 704]$, $[282, 4032]$

927. $[191, 2048]$, $[2253, 3072]$, $[1219, 512]$, $[3160, 2560]$, $[2087, 1536]$, $[661, 3328]$, $[2179, 768]$, $[687, 2816]$, $[3431, 128]$, $[844, 2176]$, $[627, 3200]$, $[1641, 1408]$, $[3496, 2112]$, $[2870, 1600]$, $[2200, 960]$

928. $[1727, 2048]$, $[2483, 3072]$, $[2206, 512]$, $[3395, 2560]$, $[1041, 1536]$, $[1773, 2304]$, $[1241, 3328]$, $[3257, 2816]$, $[1303, 128]$, $[343, 2688]$, $[3255, 3136]$, $[3074, 2880]$, $[533, 3264]$, $[1556, 1696]$, $[389, 2144]$

929. $[242, 2048]$, $[2733, 3072]$, $[3282, 512]$, $[3494, 2560]$, $[2288, 1536]$, $[3579, 3584]$, $[1035, 2304]$, $[3836, 3328]$, $[1689, 1792]$, $[1638, 3840]$, $[1135, 128]$, $[1312, 2176]$, $[373, 1920]$, $[917, 2368]$, $[2972, 3392]$

930. $[1050, 2048]$, $[979, 3072]$, $[155, 512]$, $[3267, 2560]$, $[2140, 1536]$, $[2129, 2304]$, $[38, 3328]$, $[2127, 768]$, $[622, 3840]$, $[1095, 128]$, $[3616, 2176]$, $[3709, 3968]$, $[1180, 3136]$, $[802, 832]$, $[1798, 3904]$

931. $[1023, 2048]$, $[778, 3072]$, $[3555, 512]$, $[1447, 1536]$, $[1294, 3584]$, $[1610, 2304]$, $[1640, 2816]$, $[3727, 3840]$, $[2586, 128]$, $[1840, 2176]$, $[2818, 1664]$, $[3708, 3712]$, $[371, 1920]$, $[2470, 3264]$, $[2962, 704]$

932. $[1319, 2048]$, $[277, 3072]$, $[2383, 2560]$, $[3105, 1536]$, $[3117, 3584]$, $[1652, 768]$, $[2672, 2176]$, $[2679, 3200]$, $[2384, 2944]$, $[3953, 1920]$, $[1304, 3136]$, $[1189, 832]$, $[3134, 704]$, $[409, 3520]$, $[3150, 3424]$

933. $[511, 2048]$, $[310, 3072]$, $[2541, 512]$, $[2213, 2560]$, $[3509, 1536]$, $[1072, 2304]$, $[2640, 3328]$, $[2584, 128]$, $[368, 2176]$, $[1834, 2688]$, $[1874, 3712]$, $[358, 2944]$, $[2952, 1600]$, $[1070, 832]$, $[3079, 960]$

934. $[839, 2048]$, $[538, 3072]$, $[307, 512]$, $[145, 1536]$, $[3282, 3584]$, $[1758, 3328]$, $[110, 768]$, $[1688, 1792]$, $[1102, 128]$, $[1864, 2176]$, $[1586, 2688]$, $[2108, 2112]$, $[3218, 3136]$, $[1703, 832]$, $[688, 4032]$

935. $[342, 2048]$, $[2667, 3072]$, $[3227, 512]$, $[3554, 2560]$, $[1327, 3584]$, $[2727, 2304]$, $[565, 2816]$, $[748, 3840]$, $[2072, 2176]$, $[3637, 3200]$, $[1354, 2944]$, $[1146, 1920]$, $[3884, 2112]$, $[3247, 3648]$, $[3386, 3264]$

936. $[1497, 2048]$, $[540, 3072]$, $[2094, 512]$, $[309, 2560]$, $[2111, 1536]$, $[2268, 3584]$, $[2718, 2304]$, $[1686, 3328]$, $[697, 768]$, $[1227, 2816]$, $[1776, 1792]$, $[3076, 2176]$, $[1107, 3712]$, $[2334, 2112]$, $[1428, 2368]$

937. $[1954, 2048]$, $[2682, 3072]$, $[71, 512]$, $[1357, 2560]$, $[3417, 1536]$, $[46, 3584]$, $[599, 3328]$, $[1142, 768]$, $[2251, 2816]$, $[1195, 3840]$, $[356, 2176]$, $[3140, 3200]$, $[303, 1920]$, $[298, 2880]$, $[1845, 1984]$

938. $[1527, 2048]$, $[2295, 3072]$, $[1285, 512]$, $[2699, 2304]$, $[3198, 3328]$, $[528, 2816]$, $[572, 3840]$, $[1812, 2176]$, $[2358, 3200]$, $[2861, 1664]$, $[1619, 2944]$, $[3603, 3136]$, $[1066, 1856]$, $[3504, 192]$, $[1184, 4032]$

939. $[1577, 2048]$, $[2642, 3072]$, $[1402, 512]$, $[229, 2560]$, $[3538, 1536]$, $[1032, 3584]$, $[2210, 2304]$, $[1640, 3328]$, $[1110, 2816]$, $[2133, 128]$, $[2132, 2176]$, $[1095, 3200]$, $[3375, 2688]$, $[399, 576]$, $[2104, 3648]$

940. [847, 2048], [182, 3072], [2434, 512], [1285, 1536], [3423, 3584], [1210, 2304], [3727, 768], [2077, 2816], [2130, 3840], [288, 128], [1364, 2176], [805, 2688], [2927, 1664], [2914, 3712], [2476, 3520]
941. [326, 2048], [2949, 3072], [2227, 512], [1265, 2560], [3098, 2304], [3815, 3328], [234, 768], [646, 1792], [3892, 2176], [1900, 2688], [2421, 3712], [1581, 2944], [2440, 2112], [3867, 1600], [684, 3648]
942. [543, 2048], [1174, 512], [2133, 2560], [265, 1536], [3199, 2304], [1701, 3328], [655, 2816], [3852, 2176], [2129, 3200], [2876, 2688], [3111, 1664], [77, 1920], [2117, 3968], [3339, 3392], [815, 832]
943. [678, 2048], [2358, 3072], [1195, 512], [1412, 2560], [1176, 1536], [1035, 3584], [3152, 2304], [2780, 1792], [812, 2176], [3381, 2688], [1057, 2944], [3624, 2368], [3208, 3904], [2695, 192], [3243, 3520]
944. [1414, 2048], [2730, 3072], [3580, 512], [2217, 2560], [497, 1536], [1311, 3584], [530, 2304], [182, 2816], [3748, 1792], [3692, 2176], [3938, 1664], [1862, 2944], [434, 2112], [2196, 3392], [3343, 3104]
945. [718, 2048], [2734, 3072], [1148, 512], [2441, 2560], [2422, 3584], [1547, 2304], [2746, 3328], [3320, 1792], [3107, 3840], [1084, 128], [2428, 2176], [2889, 3200], [2330, 2688], [2699, 3648], [133, 2880]
946. [195, 2048], [2718, 3072], [2086, 512], [2098, 2560], [3357, 1536], [2390, 3584], [2096, 2304], [2670, 768], [2798, 1792], [1596, 3840], [3, 128], [1634, 2176], [2057, 2944], [1301, 2368], [1982, 1856]
947. [49, 2048], [350, 3072], [1199, 512], [491, 2560], [67, 3328], [2083, 1792], [88, 3840], [2596, 128], [3410, 2176], [58, 2688], [1799, 1664], [3146, 2944], [3097, 832], [3512, 448], [1181, 1472]
948. [1513, 2048], [2889, 3072], [3087, 512], [1268, 2560], [218, 1536], [130, 2304], [3672, 768], [2106, 2816], [3452, 128], [2866, 2176], [2613, 2688], [2130, 1664], [2935, 3712], [1359, 2944], [1477, 1056]
949. [961, 2048], [673, 3072], [2361, 512], [363, 1536], [2049, 3584], [3814, 2304], [668, 3328], [3183, 768], [2629, 1792], [2162, 2176], [3086, 2688], [3941, 1408], [2324, 2944], [391, 2112], [2207, 1600]
950. [1599, 2048], [2417, 3072], [1155, 512], [93, 2560], [2121, 1536], [2225, 3584], [3307, 768], [712, 1792], [1669, 3840], [74, 2176], [3701, 3712], [3662, 2944], [2875, 3136], [1195, 1600], [1815, 4032]
951. [165, 2048], [2985, 3072], [285, 512], [2528, 2560], [2174, 1536], [2290, 3584], [3802, 3328], [1567, 768], [3755, 1792], [1231, 3840], [91, 128], [3866, 2176], [1573, 2944], [3345, 1920], [2936, 3968]
952. [623, 2048], [95, 3072], [2050, 512], [2470, 2560], [3134, 1536], [1205, 3584], [253, 2304], [615, 768], [3739, 2816], [2723, 1792], [2106, 2176], [3961, 3200], [1648, 2688], [1026, 832], [1463, 1856]
953. [1466, 2048], [2645, 3072], [417, 2560], [2470, 1536], [292, 3584], [2796, 2304], [3599, 3328], [166, 768], [1318, 2176], [3686, 1664], [2365, 2944], [3626, 1920], [932, 3392], [1607, 2080], [158, 416]
954. [1082, 2048], [2969, 3072], [1266, 512], [1240, 2560], [3418, 3584], [748, 2304], [1047, 1792], [3623, 128], [1382, 2176], [1618, 3968], [938, 2112], [1699, 576], [3478, 3648], [1848, 3392], [2830, 3744]
955. [1719, 2048], [2903, 3072], [274, 2560], [3245, 2304], [3646, 3328], [3644, 768], [225, 2816], [3080, 3840], [2134, 2176], [287, 3200], [3907, 3712], [377, 1920], [2846, 3136], [523, 832], [3375, 448]
956. [1713, 2048], [518, 3072], [3192, 512], [1347, 2560], [226, 2304], [2741, 3328], [1252, 768], [3091, 1792], [1633, 128], [2902, 2176], [2402, 2688], [1912, 1920], [2852, 3136], [3334, 192], [2745, 448]
957. [869, 2048], [2585, 3072], [228, 2560], [101, 1536], [19, 3584], [1710, 2304], [3779, 3328], [1223, 2816], [49, 1792], [1241, 3840], [2382, 2176], [1856, 2688], [313, 2944], [3087, 2112], [3367, 2368]
958. [97, 2048], [2425, 3072], [2433, 512], [1085, 1536], [3549, 3584], [2589, 768], [2619, 2816], [195, 1792], [2670, 2176], [2306, 2688], [1597, 1920], [1059, 3968], [293, 2112], [1544, 2880], [3376, 4032]
959. [175, 2048], [3046, 3072], [2460, 512], [2143, 2560], [295, 1536], [562, 2304], [557, 2816], [1629, 3840], [2123, 128], [1646, 2176], [3098, 2688], [3647, 3712], [3119, 1920], [2355, 3392], [2439, 2880]
960. [50, 2048], [2106, 3072], [426, 512], [1243, 2560], [1113, 1536], [3630, 2304], [2566, 3328], [3232, 768], [688, 2816], [525, 1792], [1566, 2176], [284, 1408], [1568, 2944], [552, 1600], [1285, 192]
961. [1185, 2048], [2853, 3072], [1507, 512], [3157, 2560], [1192, 1536], [263, 3584], [2076, 2304], [537, 3328], [1663, 768], [82, 3840], [3681, 2176], [3427, 1664], [328, 1408], [333, 3968], [1971, 1472]
962. [1331, 2048], [2637, 3072], [2268, 512], [279, 2560], [2187, 1536], [2053, 3584], [2703, 3328], [3158, 768], [1192, 2816], [845, 128], [817, 2176], [1851, 3200], [889, 2688], [574, 192], [2317, 960]
963. [185, 2048], [965, 3072], [165, 512], [2228, 2560], [2414, 3584], [1601, 2304], [721, 3328], [150, 768], [1598, 2816], [3631, 1792], [3956, 128], [2161, 2176], [2388, 3200], [3663, 3968], [3542, 2720]
964. [189, 2048], [2085, 3072], [407, 2560], [3359, 3584], [548, 2304], [3738, 2816], [579, 1792], [1125, 3840], [2585, 2176], [3105, 3200], [1036, 2688], [2934, 1920], [2985, 3136], [2822, 576], [3864, 3904]
965. [1890, 2048], [283, 3072], [331, 512], [2078, 2560], [221, 1536], [156, 3584], [3080, 2304], [1769, 3328], [214, 768], [641, 2816], [624, 1792], [825, 2176], [820, 3200], [2224, 3904], [2068, 192]

966. [1250, 2048], [403, 3072], [2166, 512], [3087, 2560], [3275, 3584], [176, 3328], [1641, 768], [3333, 2176], [803, 3200], [2663, 2688], [610, 3968], [2735, 2112], [284, 832], [2965, 3520], [2516, 2720]
967. [1174, 2048], [2297, 3072], [1349, 512], [1076, 1536], [2206, 3584], [1590, 2304], [3681, 3328], [1615, 2816], [3327, 3840], [2899, 128], [2325, 2176], [587, 3712], [1124, 1408], [1085, 3968], [3755, 1472]
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969. [1125, 2048], [2797, 3072], [153, 512], [1409, 2560], [2123, 1536], [2554, 3584], [3321, 2304], [124, 3328], [715, 768], [30, 1792], [2225, 3840], [2072, 128], [3885, 2176], [2862, 3200], [385, 1600]
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971. [1674, 2048], [67, 3072], [2306, 512], [3117, 2560], [1545, 2304], [606, 3328], [1175, 768], [1562, 2816], [194, 1792], [3677, 2176], [3344, 3712], [1084, 2112], [2595, 3648], [2622, 832], [3594, 2592]
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973. [1889, 2048], [2219, 3072], [1146, 512], [2534, 2560], [152, 1536], [287, 3584], [1632, 1792], [1910, 128], [2931, 2176], [1067, 3712], [535, 2944], [2592, 2112], [271, 2368], [3379, 3392], [676, 2880]
974. [1479, 2048], [2339, 3072], [1322, 512], [1191, 1536], [2110, 3584], [2781, 2304], [3808, 3328], [2215, 768], [1590, 3840], [91, 2176], [115, 2688], [2892, 3968], [1416, 832], [2467, 3520], [1310, 1056]
975. [894, 2048], [317, 3072], [2158, 512], [61, 2560], [1141, 1536], [34, 3584], [1616, 2816], [173, 1792], [2071, 128], [327, 2176], [3417, 3712], [868, 1408], [3478, 2112], [1827, 576], [2997, 1600]
976. [549, 2048], [2973, 3072], [3191, 2560], [3362, 1536], [197, 3584], [2698, 2304], [2759, 1792], [1049, 3840], [3944, 128], [631, 2176], [1823, 3200], [1866, 1664], [2899, 3968], [1939, 2112], [2508, 416]
977. [991, 2048], [158, 3072], [322, 512], [2518, 2560], [3383, 3584], [196, 2304], [532, 768], [2296, 2816], [2384, 3200], [66, 2688], [2165, 1920], [26, 3136], [2366, 1600], [3286, 1056], [3351, 2272]
978. [1279, 2048], [323, 3072], [2090, 512], [2497, 2560], [3341, 1536], [3349, 3584], [3594, 2816], [1188, 1792], [2717, 3840], [1141, 128], [2577, 2176], [816, 3200], [4015, 576], [177, 2880], [2462, 3264]
979. [566, 2048], [2547, 3072], [348, 512], [2535, 2560], [3382, 3584], [2683, 2304], [1579, 3328], [3622, 768], [3205, 2816], [3727, 1792], [65, 128], [1294, 2176], [624, 3200], [1971, 3136], [3990, 192]
980. [1609, 2048], [278, 3072], [55, 512], [2351, 2560], [385, 1536], [40, 3584], [151, 2304], [3798, 3328], [3598, 3840], [324, 128], [2672, 3200], [35, 3648], [3731, 3264], [908, 960], [2510, 2144]
981. [734, 2048], [733, 3072], [3213, 512], [42, 2560], [448, 1536], [1137, 3584], [2812, 2304], [1621, 3328], [540, 768], [2772, 2816], [1741, 1792], [2637, 3840], [104, 3200], [2870, 2688], [2441, 1056]
982. [250, 2048], [3023, 3072], [3297, 512], [319, 2560], [2094, 1536], [2218, 3584], [3314, 2304], [1784, 768], [1194, 2816], [1026, 1792], [2684, 2176], [2168, 3200], [1379, 3712], [1576, 576], [774, 3264]
983. [109, 2048], [2814, 3072], [1399, 512], [2466, 2560], [172, 1536], [561, 2304], [1202, 3328], [1130, 2816], [2191, 3840], [2065, 128], [3941, 2176], [1144, 3200], [3600, 1408], [598, 3968], [269, 3648]
984. [1741, 2048], [395, 3072], [1282, 512], [1511, 2560], [1401, 3584], [726, 3328], [1166, 768], [1113, 128], [1092, 3200], [3866, 1664], [1815, 1408], [942, 3136], [558, 2880], [4048, 2080], [2511, 1824]
985. [1518, 2048], [863, 3072], [3565, 512], [3098, 2560], [2421, 1536], [3139, 3584], [2734, 2304], [3199, 3328], [607, 1792], [3130, 3840], [3652, 3200], [1800, 2944], [3155, 3968], [2237, 2112], [1471, 3264]
986. [925, 2048], [2831, 3072], [149, 512], [3221, 1536], [1069, 3584], [1634, 2304], [644, 3328], [655, 3840], [518, 128], [356, 3200], [1870, 1664], [3937, 2944], [776, 3968], [1334, 3648], [2458, 832]
987. [1212, 2048], [2611, 3072], [3502, 512], [1254, 2560], [200, 1536], [1623, 2304], [3166, 768], [1565, 2816], [719, 1792], [2622, 2176], [3940, 3200], [92, 2688], [3898, 3712], [2347, 1472], [3791, 3488]
988. [885, 2048], [2854, 3072], [1455, 512], [2427, 2560], [1509, 3584], [2245, 2304], [3791, 2816], [3707, 3840], [2868, 3200], [2874, 1664], [621, 3712], [519, 832], [2850, 1856], [3252, 3904], [444, 448]
989. [2006, 2048], [603, 3072], [1149, 512], [2290, 1536], [1118, 3584], [245, 2304], [22, 3328], [81, 1792], [1908, 3200], [2367, 1408], [330, 3968], [1423, 2112], [3229, 2368], [1194, 3904], [1799, 2592]
990. [73, 2048], [304, 2560], [470, 1536], [2083, 3584], [3186, 2304], [2265, 3328], [3677, 768], [2261, 3840], [1080, 128], [2636, 3200], [51, 3712], [2853, 3968], [2434, 576], [1826, 3392], [2817, 1472]
991. [927, 2048], [2515, 3072], [3255, 512], [438, 1536], [2362, 3584], [2067, 3328], [3794, 768], [1117, 128], [1887, 2176], [3372, 3200], [1397, 1664], [278, 3712], [2236, 576], [2311, 3648], [2455, 3904]

992. $[1725, 2048]$, $[534, 3072]$, $[1473, 512]$, $[2359, 2560]$, $[554, 2304]$, $[1073, 3328]$, $[561, 128]$, $[812, 3200]$, $[334, 2688]$, $[3356, 1664]$, $[29, 1408]$, $[1549, 3392]$, $[3850, 4032]$, $[1119, 1056]$, $[2586, 1312]$

993. $[1, 2048]$, $[2450, 3072]$, $[1499, 2560]$, $[2181, 1536]$, $[2071, 2304]$, $[3114, 3328]$, $[2594, 2816]$, $[2187, 1792]$, $[589, 3840]$, $[1378, 3200]$, $[2570, 2688]$, $[2358, 1408]$, $[117, 2944]$, $[3480, 3904]$, $[2985, 448]$

994. $[391, 2048]$, $[662, 3072]$, $[1171, 512]$, $[261, 2560]$, $[2467, 1536]$, $[3213, 3584]$, $[2662, 3328]$, $[664, 768]$, $[2597, 128]$, $[2578, 3200]$, $[2152, 2688]$, $[3918, 2944]$, $[1938, 3136]$, $[2594, 960]$, $[405, 1696]$

995. $[1679, 2048]$, $[2349, 3072]$, $[2159, 512]$, $[2388, 2560]$, $[2367, 1536]$, $[704, 3328]$, $[1164, 1792]$, $[568, 3840]$, $[3701, 2176]$, $[3346, 3200]$, $[1318, 2688]$, $[2098, 3712]$, $[1815, 192]$, $[1447, 448]$, $[539, 1472]$

996. $[1510, 2048]$, $[551, 3072]$, $[396, 512]$, $[1307, 2560]$, $[1061, 1536]$, $[3197, 3584]$, $[740, 3328]$, $[1058, 2816]$, $[548, 1792]$, $[2725, 3840]$, $[2384, 2176]$, $[3410, 3200]$, $[3073, 1600]$, $[807, 3648]$, $[3798, 1696]$

997. $[1822, 2048]$, $[2355, 3072]$, $[3418, 512]$, $[3341, 2560]$, $[2282, 1536]$, $[2257, 3584]$, $[2110, 3328]$, $[708, 2816]$, $[3230, 3840]$, $[266, 3200]$, $[3621, 2688]$, $[1537, 3136]$, $[1293, 576]$, $[270, 3648]$, $[2237, 2368]$

998. $[1726, 2048]$, $[877, 3072]$, $[3314, 512]$, $[459, 2560]$, $[401, 3584]$, $[2593, 3328]$, $[215, 768]$, $[2147, 2816]$, $[604, 128]$, $[3914, 3200]$, $[1806, 2688]$, $[3981, 576]$, $[134, 2368]$, $[3225, 3904]$, $[3888, 1984]$

999. $[1085, 2048]$, $[266, 3072]$, $[3221, 512]$, $[2306, 2560]$, $[2679, 768]$, $[1689, 2816]$, $[2705, 1792]$, $[2711, 3840]$, $[2667, 128]$, $[2339, 2176]$, $[1322, 3200]$, $[2333, 1664]$, $[3609, 832]$, $[3477, 3904]$, $[3993, 1312]$

1000. $[1593, 2048]$, $[2313, 3072]$, $[3454, 512]$, $[292, 2560]$, $[330, 1536]$, $[2215, 2304]$, $[3296, 3328]$, $[3266, 768]$, $[531, 3840]$, $[2154, 3200]$, $[2621, 2688]$, $[71, 3712]$, $[585, 2944]$, $[2576, 3968]$, $[2866, 4032]$

1001. $[1859, 2048]$, $[2404, 512]$, $[2314, 2560]$, $[139, 1536]$, $[2210, 3584]$, $[638, 3328]$, $[3326, 2816]$, $[3121, 1792]$, $[2795, 3840]$, $[2310, 3200]$, $[1074, 1664]$, $[1883, 3712]$, $[2591, 1408]$, $[2872, 1920]$, $[1587, 1600]$

1002. $[538, 2048]$, $[187, 3072]$, $[312, 2560]$, $[1419, 1536]$, $[3580, 3584]$, $[741, 2304]$, $[2183, 3328]$, $[3813, 2816]$, $[1045, 128]$, $[3694, 3200]$, $[3195, 2688]$, $[1910, 1664]$, $[1661, 3968]$, $[3083, 1472]$, $[937, 4032]$

1003. $[1177, 2048]$, $[2195, 3072]$, $[3252, 512]$, $[3082, 2560]$, $[2287, 1536]$, $[2782, 2304]$, $[98, 768]$, $[244, 2816]$, $[2743, 1792]$, $[3074, 3840]$, $[1062, 128]$, $[1822, 3200]$, $[2086, 3712]$, $[3539, 2080]$, $[2383, 3104]$

1004. $[1110, 2048]$, $[2913, 3072]$, $[3551, 512]$, $[375, 2560]$, $[3322, 1536]$, $[297, 3584]$, $[47, 2304]$, $[2709, 3328]$, $[620, 768]$, $[3649, 3200]$, $[782, 2688]$, $[3188, 1408]$, $[1061, 3392]$, $[3114, 832]$, $[1928, 1856]$

1005. $[1375, 2048]$, $[77, 3072]$, $[442, 512]$, $[1432, 2560]$, $[472, 3584]$, $[1783, 2304]$, $[2752, 768]$, $[1731, 1792]$, $[3857, 3200]$, $[2596, 2688]$, $[1395, 3712]$, $[3172, 1408]$, $[1306, 576]$, $[141, 704]$, $[1669, 4032]$

1006. $[1213, 2048]$, $[2662, 3072]$, $[476, 512]$, $[340, 1536]$, $[2503, 3584]$, $[1621, 2304]$, $[3189, 3328]$, $[725, 768]$, $[3084, 1792]$, $[2144, 3840]$, $[2905, 128]$, $[817, 3200]$, $[118, 3712]$, $[3480, 3136]$, $[4011, 1984]$

1007. $[1817, 2048]$, $[78, 3072]$, $[3313, 512]$, $[1061, 2560]$, $[1361, 3584]$, $[2614, 2304]$, $[3187, 3328]$, $[1701, 768]$, $[2091, 2816]$, $[3709, 2176]$, $[2865, 3200]$, $[3376, 2688]$, $[1066, 2944]$, $[805, 576]$, $[182, 192]$

1008. $[1615, 2048]$, $[2723, 3072]$, $[2111, 512]$, $[2101, 2560]$, $[423, 1536]$, $[2715, 2304]$, $[2147, 3328]$, $[3194, 768]$, $[1234, 3840]$, $[3185, 3200]$, $[1337, 1664]$, $[1875, 2944]$, $[2129, 1920]$, $[3360, 3968]$, $[430, 2368]$

1009. $[31, 2048]$, $[758, 3072]$, $[1503, 512]$, $[3202, 1536]$, $[336, 3584]$, $[3196, 2304]$, $[3679, 3328]$, $[1217, 3840]$, $[1321, 3200]$, $[518, 3968]$, $[2344, 2112]$, $[1037, 3136]$, $[2861, 3648]$, $[2453, 2368]$, $[2446, 3904]$

1010. $[115, 2048]$, $[335, 3072]$, $[1442, 512]$, $[2263, 2560]$, $[1161, 1536]$, $[1061, 3584]$, $[1070, 3328]$, $[3670, 768]$, $[3181, 128]$, $[873, 3200]$, $[3336, 2688]$, $[3450, 3712]$, $[1971, 2112]$, $[308, 3136]$, $[3351, 1056]$

1011. $[503, 2048]$, $[2086, 3072]$, $[3198, 512]$, $[3164, 2560]$, $[3538, 3584]$, $[2258, 2304]$, $[2562, 3328]$, $[2713, 1792]$, $[1369, 3200]$, $[1574, 2688]$, $[2158, 1664]$, $[380, 1408]$, $[2193, 3136]$, $[1922, 576]$, $[395, 448]$

1012. $[775, 2048]$, $[2630, 3072]$, $[2343, 512]$, $[59, 2560]$, $[3246, 1536]$, $[367, 3584]$, $[1194, 3328]$, $[1731, 768]$, $[134, 1792]$, $[3767, 3840]$, $[1913, 3200]$, $[3858, 2944]$, $[1673, 3136]$, $[2956, 1600]$, $[177, 3520]$

1013. $[1981, 2048]$, $[75, 3072]$, $[3239, 512]$, $[1118, 2560]$, $[486, 1536]$, $[3185, 3584]$, $[3683, 768]$, $[2078, 2816]$, $[3097, 3840]$, $[2309, 3200]$, $[597, 2688]$, $[3384, 3712]$, $[359, 2944]$, $[1159, 2112]$, $[1285, 832]$

1014. $[1491, 2048]$, $[2747, 3072]$, $[2537, 512]$, $[3109, 2560]$, $[2491, 1536]$, $[3118, 3584]$, $[3624, 2304]$, $[1625, 2816]$, $[2847, 128]$, $[623, 2176]$, $[2085, 3200]$, $[1301, 3712]$, $[2887, 2944]$, $[92, 3968]$, $[2842, 576]$

1015. $[1171, 2048]$, $[2781, 3072]$, $[3553, 512]$, $[290, 2560]$, $[1105, 1536]$, $[1213, 3584]$, $[2204, 2304]$, $[3596, 3328]$, $[3165, 2816]$, $[1585, 1792]$, $[1561, 2176]$, $[2325, 3200]$, $[2892, 3712]$, $[2086, 1920]$, $[3637, 448]$

1016. $[937, 2048]$, $[881, 3072]$, $[1055, 512]$, $[2313, 1536]$, $[2413, 3584]$, $[1587, 2304]$, $[2094, 3328]$, $[2064, 768]$, $[652, 2816]$, $[3145, 3840]$, $[107, 128]$, $[2349, 3200]$, $[523, 1408]$, $[3506, 3264]$, $[2221, 704]$

1017. $[907, 2048]$, $[2447, 3072]$, $[2463, 512]$, $[3338, 2560]$, $[3096, 1536]$, $[3347, 3584]$, $[3652, 2304]$, $[3317, 3328]$, $[685, 2816]$, $[1912, 128]$, $[2909, 3200]$, $[3229, 3136]$, $[2831, 2368]$, $[1195, 832]$, $[1236, 3104]$

1018. $[247, 2048]$, $[374, 3072]$, $[3354, 512]$, $[63, 2560]$, $[3170, 2304]$, $[2198, 3328]$, $[3630, 768]$, $[598, 2816]$, $[1087, 1792]$, $[219, 3840]$, $[2877, 3200]$, $[2940, 1408]$, $[3865, 2944]$, $[693, 576]$, $[690, 1600]$

1019. $[1295, 2048]$, $[126, 3072]$, $[3127, 512]$, $[3091, 2560]$, $[3438, 1536]$, $[3660, 2304]$, $[3701, 1792]$, $[1070, 3840]$, $[3403, 3200]$, $[2343, 1408]$, $[115, 3968]$, $[1035, 2112]$, $[3867, 2880]$, $[2609, 3904]$, $[3641, 3520]$

1020. $[990, 2048]$, $[179, 3072]$, $[3178, 512]$, $[124, 2560]$, $[1269, 1536]$, $[1484, 3584]$, $[43, 2304]$, $[2085, 3328]$, $[2200, 768]$, $[2660, 2176]$, $[3915, 3200]$, $[2336, 2944]$, $[3390, 3136]$, $[3472, 3904]$, $[1678, 4032]$

1021. $[1015, 2048]$, $[270, 3072]$, $[3307, 512]$, $[82, 2560]$, $[2208, 1536]$, $[3379, 3584]$, $[182, 2304]$, $[2588, 3328]$, $[77, 3840]$, $[3922, 128]$, $[1643, 3200]$, $[3339, 1920]$, $[399, 3648]$, $[2989, 832]$, $[2945, 448]$

1022. $[490, 2048]$, $[2925, 3072]$, $[1273, 512]$, $[22, 2560]$, $[1365, 1536]$, $[179, 3584]$, $[2587, 2304]$, $[585, 3328]$, $[1117, 768]$, $[2932, 2176]$, $[859, 3200]$, $[3891, 1664]$, $[60, 3712]$, $[839, 2944]$, $[3204, 1056]$

1023. $[1038, 2048]$, $[891, 3072]$, $[3158, 512]$, $[367, 2560]$, $[328, 1536]$, $[378, 3584]$, $[3298, 3328]$, $[702, 768]$, $[1670, 2816]$, $[1740, 1792]$, $[1339, 3200]$, $[2406, 2688]$, $[2581, 1664]$, $[3120, 2112]$, $[2988, 1984]$

1024. $[1359, 2048]$, $[764, 3072]$, $[3431, 512]$, $[389, 1536]$, $[3131, 3584]$, $[3281, 2304]$, $[3270, 3328]$, $[3643, 768]$, $[3630, 2816]$, $[1660, 1792]$, $[2823, 3200]$, $[3411, 2688]$, $[3709, 3712]$, $[3950, 2944]$, $[306, 3968]$

1025. $[825, 2048]$, $[2843, 3072]$, $[2137, 2560]$, $[2249, 1536]$, $[1050, 3584]$, $[3829, 2304]$, $[3207, 3328]$, $[740, 3840]$, $[3658, 2176]$, $[1351, 3200]$, $[3626, 2688]$, $[1146, 3712]$, $[113, 2944]$, $[418, 2880]$, $[777, 192]$

1026. $[154, 2048]$, $[571, 3072]$, $[447, 512]$, $[1362, 2560]$, $[1315, 1536]$, $[2270, 768]$, $[15, 2176]$, $[2063, 3200]$, $[3189, 2688]$, $[2640, 1664]$, $[375, 1920]$, $[3676, 3968]$, $[2467, 576]$, $[2991, 3648]$, $[2882, 3104]$

1027. $[613, 2048]$, $[2970, 3072]$, $[1099, 512]$, $[343, 2560]$, $[3312, 1536]$, $[2650, 2304]$, $[2791, 768]$, $[1057, 2816]$, $[2765, 3840]$, $[3689, 128]$, $[3599, 3200]$, $[1058, 2688]$, $[1063, 1408]$, $[1918, 1920]$, $[3472, 3136]$

1028. $[1209, 2048]$, $[41, 3072]$, $[3125, 1536]$, $[35, 2304]$, $[3111, 3328]$, $[3599, 2816]$, $[1761, 1792]$, $[3880, 128]$, $[3130, 2176]$, $[1087, 3200]$, $[1396, 2688]$, $[2863, 2944]$, $[312, 3968]$, $[1420, 576]$, $[1671, 960]$

1029. $[985, 2048]$, $[933, 3072]$, $[2182, 512]$, $[2512, 2560]$, $[3420, 1536]$, $[3178, 3584]$, $[758, 2304]$, $[3279, 768]$, $[3740, 2816]$, $[238, 1792]$, $[2631, 3840]$, $[569, 128]$, $[3967, 3200]$, $[1567, 3712]$, $[393, 832]$

1030. $[1695, 2048]$, $[2614, 3072]$, $[2205, 2560]$, $[143, 1536]$, $[68, 3584]$, $[2692, 2816]$, $[220, 3840]$, $[515, 2176]$, $[1328, 2688]$, $[291, 1408]$, $[1345, 2944]$, $[3384, 2112]$, $[2960, 2368]$, $[1684, 2880]$, $[2355, 192]$

1031. $[535, 2048]$, $[2543, 3072]$, $[3, 512]$, $[1263, 2560]$, $[2355, 1536]$, $[295, 3584]$, $[2561, 3328]$, $[2717, 2816]$, $[1216, 3840]$, $[2672, 2688]$, $[581, 1408]$, $[3237, 3136]$, $[2621, 3392]$, $[1293, 3904]$, $[298, 3520]$

1032. $[1899, 2048]$, $[281, 3072]$, $[3420, 512]$, $[1421, 2560]$, $[1125, 3584]$, $[557, 2304]$, $[3135, 3328]$, $[3151, 2816]$, $[2767, 1792]$, $[1740, 3840]$, $[3426, 128]$, $[3404, 2176]$, $[368, 2688]$, $[1855, 1408]$, $[3894, 2944]$

1033. $[755, 2048]$, $[231, 3072]$, $[2396, 512]$, $[1234, 2560]$, $[2438, 1536]$, $[1331, 3584]$, $[3708, 2304]$, $[3169, 3328]$, $[2744, 2816]$, $[3621, 128]$, $[2928, 2688]$, $[2322, 3968]$, $[695, 2368]$, $[3336, 3904]$, $[1758, 1824]$

1034. $[30, 2048]$, $[2939, 3072]$, $[3338, 512]$, $[231, 2560]$, $[3371, 1536]$, $[581, 2304]$, $[1184, 3328]$, $[3268, 768]$, $[3700, 2816]$, $[1617, 1792]$, $[2354, 2176]$, $[109, 3200]$, $[264, 2688]$, $[1634, 2944]$, $[2104, 4032]$

1035. $[1814, 2048]$, $[1243, 512]$, $[463, 2560]$, $[3290, 1536]$, $[2253, 3584]$, $[146, 2304]$, $[2049, 3328]$, $[3623, 768]$, $[2714, 1792]$, $[92, 3840]$, $[2834, 128]$, $[2068, 2176]$, $[3144, 2688]$, $[878, 3712]$, $[2078, 1472]$

1036. $[1411, 2048]$, $[870, 3072]$, $[395, 512]$, $[2428, 2560]$, $[1031, 1536]$, $[3149, 2304]$, $[3706, 3328]$, $[1060, 768]$, $[1693, 2816]$, $[780, 3200]$, $[1144, 2688]$, $[1625, 1664]$, $[3120, 3648]$, $[2719, 2592]$, $[733, 3232]$

1037. $[1223, 2048]$, $[2365, 3072]$, $[1227, 512]$, $[1457, 2560]$, $[2550, 1536]$, $[3485, 3584]$, $[764, 3328]$, $[2639, 768]$, $[1591, 2816]$, $[1074, 1792]$, $[789, 128]$, $[548, 2688]$, $[1118, 1408]$, $[1131, 2944]$, $[2425, 1920]$

1038. $[177, 2048]$, $[2773, 3072]$, $[3268, 512]$, $[2363, 2560]$, $[1331, 1536]$, $[3162, 2304]$, $[3320, 3328]$, $[2149, 768]$, $[3599, 1792]$, $[97, 2176]$, $[3342, 3200]$, $[356, 2688]$, $[3879, 1408]$, $[1211, 3648]$, $[2853, 3264]$

1039. $[1389, 2048]$, $[930, 3072]$, $[3404, 512]$, $[1494, 2560]$, $[1403, 1536]$, $[94, 3584]$, $[2250, 2304]$, $[3226, 768]$, $[2428, 128]$, $[2858, 2176]$, $[372, 2688]$, $[2060, 1664]$, $[2417, 3712]$, $[2829, 2944]$, $[1042, 576]$

1040. $[1543, 2048]$, $[2198, 3072]$, $[1394, 512]$, $[1278, 2560]$, $[1412, 1536]$, $[3542, 3584]$, $[3218, 3328]$, $[1209, 768]$, $[212, 2816]$, $[1908, 2688]$, $[37, 1664]$, $[883, 3712]$, $[1215, 2112]$, $[427, 192]$, $[1673, 704]$

1041. $[59, 2048]$, $[941, 3072]$, $[1489, 512]$, $[3079, 2560]$, $[3209, 3584]$, $[2086, 2304]$, $[3758, 2816]$, $[2682, 3840]$, $[812, 2688]$, $[877, 2944]$, $[3618, 1920]$, $[3367, 3968]$, $[3255, 192]$, $[177, 3264]$, $[1077, 1984]$

1042. $[209, 2048]$, $[2566, 3072]$, $[273, 512]$, $[2260, 2560]$, $[3300, 1536]$, $[1617, 2304]$, $[2614, 3328]$, $[2663, 768]$, $[3596, 2816]$, $[1586, 2176]$, $[2657, 3200]$, $[1372, 2688]$, $[1066, 1664]$, $[94, 1408]$, $[1474, 3232]$

1043. $[338, 2048]$, $[2777, 3072]$, $[1276, 512]$, $[2179, 2560]$, $[327, 1536]$, $[1326, 3584]$, $[1232, 2304]$, $[156, 768]$, $[2707, 2816]$, $[526, 1792]$, $[2687, 128]$, $[1050, 3200]$, $[860, 2688]$, $[784, 1664]$, $[3115, 3712]$

1044. [1607, 2048], [201, 3072], [501, 512], [1375, 2560], [2204, 1536], [3218, 3584], [2579, 2304], [1765, 768], [2718, 2816], [621, 1792], [60, 2688], [2566, 3712], [1911, 1408], [3247, 2112], [3621, 2368]

1045. [571, 2048], [2583, 3072], [3473, 512], [2548, 2560], [3244, 1536], [2180, 3584], [229, 2304], [3082, 3328], [3694, 768], [1794, 2688], [2650, 1664], [1956, 3136], [2480, 3648], [139, 2880], [131, 3360]

1046. [951, 2048], [2254, 3072], [1526, 512], [2453, 2560], [3303, 1536], [1048, 3584], [1788, 2304], [2292, 768], [3644, 2816], [3337, 128], [2323, 2176], [2578, 2688], [2664, 1920], [2080, 3392], [3731, 2880]

1047. [1011, 2048], [2385, 3072], [2331, 512], [2071, 2560], [1515, 1536], [2255, 3584], [637, 2304], [236, 3328], [2732, 2816], [109, 1792], [2908, 2176], [809, 3200], [3410, 2688], [2305, 2944], [3879, 3968]

1048. [735, 2048], [2329, 3072], [1423, 512], [2469, 2560], [2530, 1536], [145, 3584], [29, 768], [729, 2816], [551, 3840], [3594, 128], [578, 2176], [1146, 2688], [314, 2944], [2853, 3648], [3894, 1856]

1049. [945, 2048], [193, 3072], [3257, 512], [2492, 2560], [2387, 1536], [643, 2304], [1634, 3328], [765, 768], [2709, 1792], [1581, 3840], [2369, 2176], [1297, 3200], [22, 2688], [901, 3136], [1671, 3264]

1050. [1941, 2048], [2563, 3072], [1420, 512], [3404, 2560], [1066, 1536], [1142, 3584], [1689, 2304], [3262, 1792], [2316, 128], [2127, 2176], [1558, 2688], [866, 1408], [701, 3136], [1842, 1600], [2599, 4032]

1051. [597, 2048], [2199, 3072], [3502, 2560], [2469, 1536], [1476, 3584], [3245, 768], [175, 3840], [1648, 128], [1654, 2688], [1292, 1408], [3382, 2944], [1570, 3968], [552, 2112], [1056, 576], [3115, 2880]

1052. [327, 2048], [585, 3072], [1121, 512], [2142, 2560], [1315, 3584], [148, 2304], [2707, 768], [2105, 2816], [558, 3840], [2833, 2176], [1615, 3200], [2126, 2688], [1334, 2112], [3607, 2368], [398, 192]

1053. [445, 2048], [2693, 3072], [3196, 512], [1484, 2560], [2248, 3584], [1262, 3328], [1101, 768], [236, 2816], [1688, 3840], [362, 3200], [1134, 2688], [3981, 1600], [1711, 2880], [1451, 704], [2117, 1696]

1054. [947, 2048], [2833, 3072], [1347, 512], [89, 2560], [132, 2304], [3243, 3328], [157, 768], [3292, 2816], [69, 3840], [593, 128], [3954, 2176], [561, 3200], [3438, 2688], [2654, 1920], [2875, 832]

1055. [969, 2048], [435, 3072], [3244, 512], [2262, 2560], [293, 3584], [666, 768], [1069, 3840], [2166, 128], [878, 2688], [2613, 3712], [3120, 1408], [2431, 1920], [436, 3392], [2866, 2880], [2361, 192]

1056. [1030, 2048], [2489, 3072], [2295, 512], [490, 2560], [2380, 3584], [2597, 3328], [716, 768], [2728, 1792], [1571, 3840], [2817, 128], [769, 2688], [114, 2944], [831, 1920], [3238, 3136], [1982, 3264]

1057. [341, 2048], [2941, 3072], [1342, 512], [2231, 1536], [2283, 3584], [3838, 2304], [1128, 3328], [3672, 2816], [3297, 1792], [2673, 2688], [3624, 2944], [90, 1920], [803, 2112], [1708, 2368], [41, 2880]

1058. [1742, 2048], [290, 3072], [2475, 512], [2230, 2560], [3180, 1536], [1289, 3584], [252, 2304], [2158, 2816], [2785, 1792], [2140, 3840], [3142, 128], [2400, 2176], [1321, 2688], [3493, 2112], [1564, 3136]

1059. [855, 2048], [94, 3072], [1291, 512], [3187, 2560], [3078, 1536], [3316, 2304], [616, 3328], [1610, 768], [2751, 3840], [537, 2688], [892, 1664], [3937, 3712], [591, 2944], [311, 2112], [913, 3648]

1060. [1807, 2048], [972, 3072], [2093, 512], [1308, 2560], [2226, 1536], [2569, 2304], [210, 1792], [1724, 3840], [1907, 3200], [3865, 2688], [3196, 1664], [2669, 2944], [3621, 3136], [1840, 3648], [791, 3904]

1061. [1069, 2048], [341, 3072], [366, 2560], [1111, 1536], [265, 3584], [1754, 2304], [1724, 3328], [1684, 768], [88, 2816], [3163, 1792], [601, 2688], [1295, 1408], [2383, 2944], [2730, 1600], [2948, 2880]

1062. [2015, 2048], [591, 3072], [258, 512], [2369, 2560], [502, 1536], [3270, 3584], [55, 2304], [716, 3328], [703, 1792], [854, 3200], [613, 2688], [1035, 1664], [2146, 1408], [1339, 2944], [3843, 192]

1063. [475, 2048], [531, 3072], [3411, 512], [502, 2560], [2216, 1536], [2326, 3584], [127, 768], [1122, 2816], [1630, 3840], [533, 2688], [2892, 2944], [259, 1600], [1036, 3392], [1430, 3904], [3743, 192]

1064. [285, 2048], [2769, 3072], [1218, 512], [167, 2560], [240, 1536], [2457, 3584], [1719, 768], [1785, 2816], [1159, 1792], [1598, 128], [2325, 2688], [1890, 3712], [3133, 1408], [2608, 448], [6, 608]

1065. [451, 2048], [291, 3072], [162, 512], [3367, 2560], [1263, 1536], [1631, 2304], [1769, 768], [2288, 3840], [3595, 3200], [109, 2688], [55, 3712], [2615, 1920], [2819, 3136], [797, 3648], [791, 2880]

1066. [559, 2048], [2979, 3072], [2118, 512], [1290, 2560], [449, 1536], [2404, 3584], [2674, 2304], [1249, 3328], [1601, 768], [2237, 1792], [2864, 128], [3421, 2688], [3659, 3968], [2434, 3136], [1415, 704]

1067. [1789, 2048], [261, 3072], [3342, 512], [2183, 2560], [2695, 2304], [707, 768], [1183, 2816], [1702, 3840], [3334, 2176], [893, 2688], [1381, 3712], [553, 3968], [1158, 3136], [3877, 832], [1547, 1472]

1068. [1503, 2048], [429, 3072], [2262, 512], [444, 1536], [2469, 3584], [3223, 2304], [2681, 768], [2634, 2816], [611, 1792], [3339, 2176], [2323, 3200], [1075, 2688], [2603, 2944], [2215, 3136], [1667, 1472]

1069. [1753, 2048], [594, 3072], [327, 512], [1181, 2560], [3498, 3584], [3609, 3328], [3772, 768], [2211, 2816], [2194, 1792], [836, 128], [2830, 3200], [307, 2688], [3146, 1664], [82, 2944], [2239, 1856]

1070. [1999, 2048], [2491, 3072], [3539, 512], [2252, 3584], [3161, 2304], [2787, 2816], [3720, 1792], [2092, 128], [3621, 3200], [3883, 2688], [3132, 1920], [2901, 3968], [1058, 1600], [2708, 3264], [2365, 704]

1071. [709, 2048], [138, 3072], [163, 512], [302, 2560], [3474, 1536], [240, 3584], [1658, 768], [126, 1792], [2166, 3200], [603, 2688], [3585, 2944], [3669, 1920], [310, 3968], [3219, 2112], [2736, 3648]

1072. [849, 2048], [2789, 3072], [2254, 512], [347, 2560], [2238, 1536], [425, 3584], [1209, 2304], [1773, 3328], [3822, 2816], [100, 128], [1339, 2688], [2064, 3968], [2998, 3136], [143, 1856], [1544, 1056]

1073. [1775, 2048], [2634, 3072], [2491, 512], [1502, 2560], [1473, 1536], [175, 3328], [3790, 768], [2607, 1792], [3963, 2688], [2305, 1664], [628, 3712], [1932, 2112], [136, 576], [4014, 1856], [3249, 1472]

1074. [1266, 2048], [155, 3072], [1290, 512], [3318, 2560], [1190, 1536], [2782, 2816], [3195, 1792], [1576, 2176], [359, 2688], [3843, 1664], [23, 3712], [783, 576], [3000, 3648], [3989, 832], [3599, 704]

1075. [651, 2048], [637, 3072], [1214, 512], [3531, 2560], [3081, 1536], [2278, 3584], [3259, 2304], [3237, 3328], [3290, 2816], [1599, 3840], [3451, 128], [1309, 3200], [3119, 2688], [3437, 1408], [3606, 960]

1076. [565, 2048], [2533, 3072], [2129, 512], [1521, 2560], [3810, 3328], [89, 2816], [1614, 1792], [1726, 3840], [278, 3200], [2159, 2688], [2395, 1408], [1033, 2112], [1159, 576], [1685, 1856], [2518, 416]

1077. [1409, 2048], [2379, 3072], [3183, 512], [67, 2560], [2253, 1536], [1382, 3584], [2171, 2304], [1025, 3328], [1085, 1792], [1893, 128], [3615, 2688], [1588, 3136], [175, 3648], [1823, 192], [2744, 3520]

1078. [1870, 2048], [245, 3072], [467, 512], [3133, 1536], [2502, 3584], [2811, 2304], [562, 768], [524, 2816], [3738, 1792], [3675, 3840], [127, 2176], [95, 2688], [2665, 1408], [2427, 1920], [688, 1472]

1079. [1265, 2048], [119, 3072], [1177, 512], [1298, 2560], [1459, 1536], [1254, 3584], [1574, 768], [2122, 2816], [2273, 1792], [278, 2176], [2336, 1664], [264, 1408], [2163, 2944], [1133, 3968], [385, 576]

1080. [28, 2048], [3100, 512], [2327, 1536], [3230, 3584], [591, 2304], [3283, 3328], [2811, 768], [3287, 1792], [883, 2688], [848, 1664], [2306, 1408], [177, 2112], [2326, 1600], [3220, 3904], [1754, 1056]

1081. [13, 2048], [3067, 3072], [2250, 2560], [2301, 2304], [1132, 3328], [3759, 768], [3804, 2816], [2244, 1792], [1146, 128], [2672, 1664], [614, 3712], [288, 1408], [3926, 2944], [1888, 3968], [787, 3904]

1082. [2031, 2048], [2061, 3072], [110, 2560], [2444, 3584], [1223, 3328], [3138, 768], [3300, 1792], [1791, 3840], [789, 2176], [3645, 3200], [3352, 1664], [3426, 2944], [2327, 1920], [2971, 3648], [1081, 448]

1083. [1006, 2048], [579, 3072], [401, 512], [391, 1536], [3345, 3584], [1559, 2304], [711, 3328], [2628, 3840], [3660, 2176], [3434, 3200], [3073, 2688], [1368, 1664], [536, 1920], [2339, 3136], [2952, 3168]

1084. [1537, 2048], [2469, 512], [179, 1536], [2323, 3584], [676, 2304], [1705, 1792], [3717, 3840], [3600, 128], [2936, 3200], [1821, 2688], [3652, 1664], [125, 3712], [3124, 1408], [360, 2944], [3765, 192]

1085. [1034, 2048], [677, 3072], [2297, 512], [1037, 1536], [3123, 3584], [2562, 2304], [1081, 2816], [2575, 1792], [217, 3840], [3401, 128], [629, 2176], [2148, 1664], [2623, 1600], [3005, 3648], [3765, 3904]

1086. [158, 2048], [597, 3072], [2427, 512], [3197, 1536], [3432, 3584], [1115, 2304], [1789, 1792], [87, 3840], [364, 2176], [356, 1664], [3135, 1408], [957, 1600], [1457, 3392], [3641, 192], [2886, 1312]

1087. [449, 2048], [365, 3072], [453, 512], [1259, 2560], [1469, 1536], [1125, 2304], [1683, 768], [116, 2816], [3838, 1792], [3178, 3840], [1556, 3200], [2132, 1664], [3404, 1408], [677, 2368], [1691, 1984]

1088. [1147, 2048], [2291, 3072], [1279, 512], [2396, 2560], [1068, 1536], [453, 3584], [1735, 3328], [3687, 768], [1722, 2816], [120, 1792], [308, 1664], [3487, 3648], [909, 2880], [1431, 1856], [1047, 1472]

1089. [913, 2048], [2653, 3072], [443, 2560], [1534, 1536], [1329, 3584], [634, 2304], [2797, 2816], [851, 128], [3892, 1664], [2403, 1408], [2915, 2944], [636, 1920], [3257, 1600], [3132, 2368], [2332, 1472]

1090. [427, 2048], [325, 3072], [445, 512], [2521, 2560], [3331, 1536], [1180, 3584], [1182, 2304], [676, 3328], [1673, 2816], [775, 2176], [3132, 1664], [3655, 1920], [3388, 2112], [1289, 576], [2445, 704]

1091. [1878, 2048], [2793, 3072], [2302, 512], [316, 1536], [22, 2304], [3306, 3328], [3708, 768], [2603, 2816], [1764, 3840], [3400, 128], [2921, 2176], [2940, 1664], [2421, 2944], [1402, 3968], [2826, 3360]

1092. [781, 2048], [2301, 3072], [1212, 512], [425, 2560], [1359, 1536], [1086, 3584], [3762, 768], [157, 1792], [1561, 3840], [3151, 2176], [1395, 3200], [2578, 1664], [3397, 3712], [2123, 1920], [3538, 928]

1093. [99, 2048], [2413, 3072], [53, 512], [3156, 2560], [427, 1536], [147, 3584], [1111, 2304], [2066, 768], [2226, 3840], [1290, 2176], [284, 3200], [1889, 2688], [338, 1664], [2307, 3968], [552, 3136]

1094. [1801, 2048], [2827, 3072], [68, 512], [2354, 2560], [493, 3584], [2702, 3328], [3285, 768], [1740, 2816], [1850, 128], [1579, 2688], [1546, 1664], [1856, 2944], [570, 3392], [4003, 448], [3543, 3360]

1095. [395, 2048], [623, 3072], [276, 512], [2215, 2560], [428, 1536], [2774, 3328], [180, 2816], [567, 1792], [3652, 128], [3098, 1664], [2345, 3712], [857, 3968], [663, 3136], [3224, 704], [3999, 960]

1096. $[609, 2048]$, $[2867, 3072]$, $[3222, 512]$, $[115, 2560]$, $[107, 1536]$, $[3286, 3328]$, $[718, 768]$, $[3794, 2816]$, $[1353, 2176]$, $[628, 2688]$, $[3642, 1664]$, $[2316, 1920]$, $[3900, 2112]$, $[2878, 1600]$, $[3232, 448]$

1097. $[2014, 2048]$, $[2771, 3072]$, $[3201, 512]$, $[3422, 2560]$, $[1479, 1536]$, $[3153, 3328]$, $[3188, 768]$, $[165, 1792]$, $[672, 3840]$, $[1091, 128]$, $[2658, 3200]$, $[3110, 1664]$, $[904, 576]$, $[1331, 1600]$, $[1574, 192]$

1098. $[1869, 2048]$, $[2509, 3072]$, $[3148, 512]$, $[3364, 1536]$, $[388, 3584]$, $[1649, 1792]$, $[1725, 3840]$, $[3868, 128]$, $[2567, 2176]$, $[3957, 2688]$, $[3366, 1664]$, $[2630, 3712]$, $[1080, 3968]$, $[2590, 2368]$, $[702, 192]$

1099. $[751, 2048]$, $[499, 3072]$, $[1205, 512]$, $[2551, 1536]$, $[118, 3584]$, $[639, 2304]$, $[1204, 3328]$, $[3300, 768]$, $[2698, 1792]$, $[232, 3840]$, $[1558, 1664]$, $[2164, 3712]$, $[377, 1408]$, $[774, 576]$, $[1437, 448]$

1100. $[1911, 2048]$, $[2901, 3072]$, $[1260, 512]$, $[1372, 2560]$, $[3570, 1536]$, $[2115, 2304]$, $[2137, 3328]$, $[673, 768]$, $[2565, 1792]$, $[2683, 3200]$, $[3694, 1664]$, $[2882, 3968]$, $[1578, 2112]$, $[39, 3136]$, $[1318, 1600]$

1101. $[255, 2048]$, $[475, 3072]$, $[218, 512]$, $[3372, 2560]$, $[133, 1536]$, $[3697, 2304]$, $[1714, 3328]$, $[3701, 768]$, $[2221, 2816]$, $[583, 3840]$, $[521, 128]$, $[1830, 2176]$, $[1566, 1664]$, $[3630, 1600]$, $[2945, 960]$

1102. $[447, 2048]$, $[1022, 3072]$, $[470, 512]$, $[1530, 2560]$, $[3185, 1536]$, $[3513, 3584]$, $[3762, 2304]$, $[1276, 768]$, $[1595, 2816]$, $[2667, 1792]$, $[2326, 2176]$, $[367, 3200]$, $[2817, 1664]$, $[3431, 2944]$, $[2180, 2112]$

1103. $[1217, 2048]$, $[537, 3072]$, $[3294, 512]$, $[130, 2560]$, $[3115, 3584]$, $[2106, 2304]$, $[3116, 2816]$, $[2746, 3840]$, $[2923, 128]$, $[1086, 2176]$, $[1793, 1664]$, $[2882, 1408]$, $[1174, 2112]$, $[1201, 1600]$, $[1560, 928]$

1104. $[1929, 2048]$, $[2835, 3072]$, $[1098, 512]$, $[1037, 2560]$, $[202, 1536]$, $[113, 3584]$, $[2060, 768]$, $[3198, 1792]$, $[3800, 3840]$, $[3913, 1664]$, $[1378, 3712]$, $[3876, 576]$, $[3223, 1600]$, $[3357, 832]$, $[3593, 3360]$

1105. $[663, 2048]$, $[2494, 3072]$, $[2300, 512]$, $[2391, 2560]$, $[299, 1536]$, $[2558, 3584]$, $[531, 2304]$, $[2778, 768]$, $[2115, 2816]$, $[3735, 3840]$, $[1128, 2688]$, $[1321, 1664]$, $[3771, 576]$, $[57, 1600]$, $[3869, 192]$

1106. $[227, 2048]$, $[469, 3072]$, $[123, 512]$, $[420, 2560]$, $[737, 2304]$, $[1713, 3328]$, $[2621, 1792]$, $[3637, 3840]$, $[2623, 2176]$, $[586, 3200]$, $[809, 1664]$, $[823, 1408]$, $[857, 1920]$, $[2309, 3968]$, $[270, 3392]$

1107. $[1849, 2048]$, $[561, 3072]$, $[1421, 512]$, $[3558, 2560]$, $[253, 1536]$, $[1230, 3584]$, $[173, 2304]$, $[3250, 3328]$, $[634, 3840]$, $[2153, 1664]$, $[2902, 1408]$, $[2643, 2944]$, $[539, 2112]$, $[1173, 3136]$, $[3116, 448]$

1108. $[1573, 2048]$, $[19, 3072]$, $[3377, 512]$, $[3145, 2560]$, $[3100, 2304]$, $[760, 3328]$, $[3201, 768]$, $[2716, 2816]$, $[89, 3840]$, $[3437, 128]$, $[37, 2176]$, $[3881, 2688]$, $[793, 1664]$, $[1099, 3712]$, $[153, 1856]$

1109. $[141, 2048]$, $[65, 3072]$, $[2159, 1536]$, $[3431, 3584]$, $[1721, 2304]$, $[2188, 3328]$, $[2774, 768]$, $[1262, 2816]$, $[3614, 2176]$, $[1351, 2688]$, $[569, 1664]$, $[354, 1408]$, $[1033, 1920]$, $[924, 3648]$, $[1848, 2368]$

1110. $[1049, 2048]$, $[467, 3072]$, $[2115, 512]$, $[1137, 2560]$, $[2217, 1536]$, $[3079, 3584]$, $[1103, 2304]$, $[3770, 2816]$, $[2122, 1792]$, $[3825, 3840]$, $[1573, 2176]$, $[773, 1664]$, $[2819, 3712]$, $[1333, 2112]$, $[2750, 1600]$

1111. $[193, 2048]$, $[2319, 3072]$, $[2103, 512]$, $[2202, 1536]$, $[3387, 3584]$, $[3813, 2304]$, $[2796, 768]$, $[3152, 2816]$, $[635, 3840]$, $[2566, 3200]$, $[277, 1664]$, $[848, 1920]$, $[3637, 2112]$, $[2561, 1600]$, $[3222, 3648]$

1112. $[1639, 2048]$, $[2109, 512]$, $[258, 2560]$, $[85, 3584]$, $[3778, 2304]$, $[2295, 768]$, $[591, 1792]$, $[3307, 3840]$, $[2083, 128]$, $[596, 2176]$, $[2911, 3200]$, $[2325, 1664]$, $[537, 3712]$, $[3947, 1408]$, $[2311, 2944]$

1113. $[347, 2048]$, $[2767, 3072]$, $[2134, 512]$, $[1318, 2560]$, $[3515, 1536]$, $[3531, 3584]$, $[686, 768]$, $[240, 2816]$, $[528, 3200]$, $[357, 2688]$, $[3925, 1664]$, $[2653, 3712]$, $[695, 3136]$, $[3970, 3648]$, $[828, 1472]$

1114. $[1361, 2048]$, $[905, 3072]$, $[3327, 512]$, $[3281, 2560]$, $[1223, 1536]$, $[3096, 2304]$, $[618, 3328]$, $[2375, 128]$, $[1343, 3200]$, $[53, 1664]$, $[2127, 3712]$, $[1555, 2112]$, $[429, 3136]$, $[559, 576]$, $[535, 704]$

1115. $[169, 2048]$, $[391, 3072]$, $[2388, 512]$, $[3214, 2560]$, $[3380, 1536]$, $[3670, 2304]$, $[74, 2816]$, $[1076, 1792]$, $[3220, 3840]$, $[3698, 3200]$, $[117, 1664]$, $[3424, 3712]$, $[1680, 3648]$, $[1153, 2368]$, $[539, 1824]$

1116. $[1718, 2048]$, $[2641, 3072]$, $[1245, 512]$, $[311, 2560]$, $[2189, 2304]$, $[1565, 3328]$, $[2674, 768]$, $[97, 3840]$, $[1133, 128]$, $[2167, 2176]$, $[885, 1664]$, $[2644, 2944]$, $[907, 576]$, $[1944, 3648]$, $[284, 3392]$

1117. $[1462, 2048]$, $[2415, 3072]$, $[3492, 512]$, $[3107, 2560]$, $[1513, 3584]$, $[251, 3328]$, $[3750, 768]$, $[3707, 2816]$, $[3222, 3840]$, $[2091, 2176]$, $[349, 1664]$, $[302, 3712]$, $[2459, 960]$, $[3868, 2080]$, $[449, 1056]$

1118. $[615, 2048]$, $[2233, 3072]$, $[2445, 2560]$, $[424, 1536]$, $[511, 3584]$, $[3221, 2304]$, $[1739, 768]$, $[1244, 2816]$, $[3107, 2176]$, $[3399, 3200]$, $[1149, 1664]$, $[1396, 3712]$, $[562, 2368]$, $[3970, 3264]$, $[2207, 4032]$

1119. $[142, 2048]$, $[2107, 3072]$, $[3475, 512]$, $[2338, 2560]$, $[319, 1536]$, $[92, 2304]$, $[1078, 3328]$, $[174, 1792]$, $[1543, 128]$, $[2383, 3200]$, $[2899, 1664]$, $[1113, 1920]$, $[442, 576]$, $[3124, 2368]$, $[3202, 1472]$

1120. $[1621, 2048]$, $[679, 3072]$, $[3086, 512]$, $[1429, 2560]$, $[3446, 1536]$, $[396, 3584]$, $[2139, 2304]$, $[1182, 3328]$, $[2702, 2816]$, $[181, 3840]$, $[2317, 2176]$, $[351, 3200]$, $[1331, 1664]$, $[183, 1600]$, $[270, 2464]$

1121. $[309, 2048]$, $[638, 3072]$, $[293, 512]$, $[1133, 2560]$, $[2148, 1536]$, $[2233, 2304]$, $[2650, 768]$, $[1698, 1792]$, $[2707, 3840]$, $[2142, 128]$, $[1916, 2688]$, $[3083, 1664]$, $[1060, 3712]$, $[2234, 576]$, $[2622, 3904]$

1122. $[877, 2048]$, $[2875, 3072]$, $[416, 512]$, $[2296, 2560]$, $[3744, 2304]$, $[3127, 768]$, $[1621, 1792]$, $[1299, 2176]$, $[2411, 2688]$, $[3883, 1664]$, $[3167, 3712]$, $[2308, 2944]$, $[674, 3648]$, $[783, 2880]$, $[1948, 4032]$

1123. $[741, 2048]$, $[313, 512]$, $[2092, 1536]$, $[2171, 3584]$, $[3156, 2304]$, $[2620, 1792]$, $[3105, 128]$, $[1879, 3200]$, $[539, 1664]$, $[2412, 1408]$, $[783, 2944]$, $[1335, 3136]$, $[3513, 2880]$, $[1795, 192]$, $[1424, 3808]$

1124. $[235, 2048]$, $[543, 3072]$, $[2260, 512]$, $[1329, 2560]$, $[2378, 1536]$, $[2453, 3584]$, $[1537, 2304]$, $[85, 2816]$, $[2200, 1792]$, $[1128, 3200]$, $[2598, 3712]$, $[2068, 1920]$, $[4015, 1600]$, $[2458, 3648]$, $[2998, 2880]$

1125. $[733, 2048]$, $[2975, 3072]$, $[3525, 512]$, $[1129, 1536]$, $[2226, 3584]$, $[1707, 2304]$, $[92, 2816]$, $[2174, 1792]$, $[3935, 3200]$, $[3113, 2688]$, $[3168, 1664]$, $[3410, 1920]$, $[1285, 2880]$, $[1208, 1856]$, $[1189, 448]$

1126. $[1821, 2048]$, $[286, 3072]$, $[3543, 512]$, $[2074, 2560]$, $[3338, 3584]$, $[3594, 2304]$, $[89, 3328]$, $[1243, 2816]$, $[2158, 2176]$, $[544, 3200]$, $[3151, 2688]$, $[2101, 3712]$, $[1553, 2944]$, $[1386, 1920]$, $[784, 1696]$

1127. $[567, 2048]$, $[2317, 3072]$, $[201, 512]$, $[1474, 2560]$, $[220, 1536]$, $[2516, 3584]$, $[3245, 3328]$, $[1049, 2816]$, $[3183, 1792]$, $[203, 3840]$, $[3168, 2176]$, $[1839, 3712]$, $[2118, 1920]$, $[2344, 3648]$, $[677, 1984]$

1128. $[1569, 2048]$, $[2865, 3072]$, $[2385, 512]$, $[3542, 2560]$, $[183, 1536]$, $[481, 3584]$, $[2125, 2304]$, $[1737, 3328]$, $[2315, 128]$, $[3686, 2176]$, $[265, 1408]$, $[2350, 2944]$, $[1374, 1920]$, $[1716, 1600]$, $[1295, 2976]$

1129. $[767, 2048]$, $[33, 3072]$, $[1370, 512]$, $[1518, 2560]$, $[2456, 3584]$, $[2184, 2304]$, $[2156, 3328]$, $[2248, 768]$, $[3598, 1792]$, $[1555, 3840]$, $[3356, 2176]$, $[1321, 1920]$, $[170, 832]$, $[434, 192]$, $[693, 704]$

1130. $[1401, 2048]$, $[2910, 3072]$, $[2117, 512]$, $[41, 1536]$, $[3457, 3584]$, $[3630, 3328]$, $[3799, 768]$, $[760, 1792]$, $[3950, 2176]$, $[1338, 3200]$, $[2894, 1664]$, $[2309, 1920]$, $[1815, 576]$, $[391, 3520]$, $[3935, 3232]$

1131. $[1529, 2048]$, $[2954, 3072]$, $[2370, 512]$, $[2510, 2560]$, $[3803, 2304]$, $[2213, 768]$, $[1244, 3840]$, $[515, 128]$, $[2365, 2176]$, $[599, 3200]$, $[3929, 1664]$, $[3142, 1408]$, $[349, 1920]$, $[3727, 576]$, $[2189, 1696]$

1132. $[137, 2048]$, $[3310, 512]$, $[3242, 1536]$, $[419, 3584]$, $[3302, 2304]$, $[732, 3328]$, $[2128, 128]$, $[3607, 1664]$, $[804, 2944]$, $[2643, 1920]$, $[828, 3136]$, $[3344, 576]$, $[1082, 3648]$, $[2482, 192]$, $[135, 1472]$

1133. $[1281, 2048]$, $[575, 3072]$, $[212, 512]$, $[189, 2560]$, $[1220, 1536]$, $[1103, 3584]$, $[195, 2304]$, $[2663, 3328]$, $[1701, 3840]$, $[2928, 2176]$, $[3669, 3200]$, $[3113, 1664]$, $[3103, 1408]$, $[288, 2944]$, $[2107, 1920]$

1134. $[685, 2048]$, $[1, 3072]$, $[2092, 2560]$, $[3127, 1536]$, $[3535, 3584]$, $[3616, 2304]$, $[3213, 3328]$, $[3319, 768]$, $[3285, 2816]$, $[124, 3200]$, $[1147, 2688]$, $[3455, 1920]$, $[2115, 3968]$, $[1696, 576]$, $[1939, 2720]$

1135. $[963, 2048]$, $[2462, 3072]$, $[2285, 512]$, $[270, 2560]$, $[447, 1536]$, $[1473, 3584]$, $[1160, 2304]$, $[3720, 3328]$, $[360, 128]$, $[2148, 2688]$, $[1639, 2944]$, $[1052, 1920]$, $[1144, 3968]$, $[546, 2880]$, $[2568, 3520]$

1136. $[807, 2048]$, $[2303, 3072]$, $[1202, 512]$, $[2180, 2560]$, $[1030, 1536]$, $[455, 3584]$, $[3122, 2304]$, $[3094, 3328]$, $[744, 2816]$, $[78, 1792]$, $[1405, 128]$, $[101, 3712]$, $[100, 3968]$, $[416, 1600]$, $[411, 832]$

1137. $[2005, 2048]$, $[2465, 3072]$, $[2125, 2560]$, $[1238, 1536]$, $[1229, 3584]$, $[1673, 768]$, $[3115, 2816]$, $[1097, 3840]$, $[3916, 128]$, $[1821, 3200]$, $[3379, 3712]$, $[812, 3968]$, $[3247, 1600]$, $[1443, 1856]$, $[2831, 4032]$

1138. $[1570, 2048]$, $[699, 3072]$, $[1127, 2560]$, $[381, 1536]$, $[1306, 3584]$, $[2050, 3328]$, $[2769, 768]$, $[3158, 2816]$, $[649, 1792]$, $[3136, 128]$, $[3371, 2688]$, $[1591, 1664]$, $[1332, 3712]$, $[58, 3968]$, $[2095, 704]$

1139. $[1241, 2048]$, $[2807, 3072]$, $[2194, 512]$, $[1367, 2560]$, $[2292, 1536]$, $[2429, 3584]$, $[2141, 2304]$, $[2299, 3328]$, $[766, 768]$, $[197, 2816]$, $[600, 128]$, $[2826, 2688]$, $[107, 3712]$, $[782, 3968]$, $[537, 576]$

1140. $[383, 2048]$, $[2697, 3072]$, $[2196, 512]$, $[3507, 2560]$, $[3186, 3584]$, $[1273, 2304]$, $[2188, 1792]$, $[2101, 3840]$, $[1834, 128]$, $[1070, 3712]$, $[3956, 1408]$, $[3937, 3968]$, $[2454, 704]$, $[679, 1472]$, $[3478, 3232]$

1141. $[1825, 2048]$, $[477, 3072]$, $[1062, 512]$, $[1072, 2560]$, $[77, 1536]$, $[3396, 3584]$, $[2058, 2304]$, $[2616, 1792]$, $[1393, 2176]$, $[2360, 3200]$, $[626, 1408]$, $[1342, 2944]$, $[1865, 3968]$, $[3586, 1856]$, $[902, 1056]$

1142. $[1551, 2048]$, $[2542, 3072]$, $[262, 512]$, $[2056, 1536]$, $[1637, 768]$, $[184, 2816]$, $[2763, 1792]$, $[2669, 128]$, $[348, 2688]$, $[3635, 1920]$, $[3113, 3968]$, $[3359, 576]$, $[2327, 1600]$, $[1085, 2880]$, $[3250, 704]$

1143. $[46, 2048]$, $[2810, 3072]$, $[1323, 512]$, $[3278, 2560]$, $[283, 1536]$, $[1202, 3584]$, $[2756, 2304]$, $[1629, 3328]$, $[2115, 768]$, $[1637, 3840]$, $[874, 128]$, $[624, 2688]$, $[2325, 3968]$, $[3354, 3904]$, $[1172, 704]$

1144. $[1087, 2048]$, $[379, 3072]$, $[1426, 512]$, $[1257, 2560]$, $[55, 1536]$, $[1047, 3584]$, $[2277, 3328]$, $[3231, 768]$, $[3149, 2816]$, $[3233, 1792]$, $[1577, 128]$, $[619, 3968]$, $[774, 2112]$, $[3339, 3648]$, $[3500, 704]$

1145. $[1558, 2048]$, $[2746, 3072]$, $[337, 512]$, $[3455, 2560]$, $[1201, 1536]$, $[2511, 3584]$, $[3299, 3328]$, $[1050, 2816]$, $[565, 1792]$, $[3876, 2688]$, $[2174, 1408]$, $[1883, 3968]$, $[1316, 3136]$, $[1931, 576]$, $[2340, 3648]$

1146. $[762, 2048]$, $[2127, 3072]$, $[1326, 512]$, $[3436, 2560]$, $[435, 1536]$, $[2364, 3584]$, $[1609, 1792]$, $[2732, 3840]$, $[2924, 128]$, $[1612, 2176]$, $[3630, 3200]$, $[315, 3968]$, $[2744, 2112]$, $[3079, 3136]$, $[3746, 3904]$

1147. $[374, 2048]$, $[303, 3072]$, $[1093, 512]$, $[1311, 2560]$, $[33, 1536]$, $[1241, 3584]$, $[242, 2304]$, $[87, 3328]$, $[102, 1792]$, $[3967, 3712]$, $[1138, 1408]$, $[639, 1920]$, $[3639, 3968]$, $[535, 1856]$, $[1461, 448]$

1148. [93, 2048], [61, 3072], [1223, 512], [2051, 2560], [1346, 1536], [1336, 3584], [3702, 2304], [1146, 3328], [7, 768], [1551, 2816], [2238, 1792], [804, 128], [513, 3200], [2831, 3968], [1448, 2880]

1149. [1294, 2048], [2895, 3072], [122, 512], [2372, 2560], [2556, 1536], [520, 3328], [3838, 2816], [1790, 1792], [1591, 3840], [1112, 128], [882, 2688], [3647, 3968], [1541, 3136], [418, 2368], [1180, 3392]

1150. [399, 2048], [2157, 3072], [2323, 512], [96, 2560], [1508, 3584], [2072, 2304], [3585, 3328], [3606, 2816], [1107, 1792], [338, 128], [790, 1408], [317, 2944], [2843, 2112], [3888, 3136], [1842, 3648]

1151. [841, 2048], [2750, 3072], [3304, 512], [3526, 2560], [2351, 3584], [1577, 2304], [2174, 3328], [2735, 768], [659, 2816], [2411, 128], [1381, 1408], [2087, 2112], [3111, 2880], [826, 192], [2443, 3520]

1152. [1777, 2048], [549, 3072], [299, 512], [3126, 2560], [743, 2304], [3673, 3328], [3249, 768], [111, 1792], [2796, 3840], [2330, 3968], [1295, 2112], [417, 1600], [1554, 3648], [1960, 832], [3888, 960]

1153. [1455, 2048], [755, 3072], [3207, 512], [3117, 1536], [1296, 3584], [117, 2304], [681, 768], [1174, 2816], [3621, 3840], [2073, 2688], [814, 3712], [1577, 1408], [4016, 3136], [3595, 3392], [2948, 960]

1154. [1390, 2048], [2459, 3072], [3471, 512], [2445, 1536], [1451, 3584], [3284, 2304], [2669, 3328], [3117, 768], [1588, 2816], [1733, 1792], [1150, 2176], [52, 3200], [2827, 1408], [3608, 1920], [3758, 3136]

1155. [997, 2048], [525, 3072], [2110, 2560], [3565, 3584], [622, 2304], [34, 3328], [115, 768], [3716, 1792], [2174, 3840], [2087, 128], [3100, 2688], [1632, 1408], [2609, 2944], [1214, 3136], [3609, 3360]

1156. [205, 2048], [298, 3072], [3357, 512], [355, 2560], [50, 1536], [1084, 2304], [2676, 3328], [2724, 768], [58, 2816], [3113, 3200], [542, 1408], [2197, 3136], [1840, 1472], [1718, 4032], [477, 3104]

1157. [1842, 2048], [949, 3072], [2255, 512], [1081, 2560], [1148, 1536], [2467, 3584], [3271, 2304], [1113, 2816], [2616, 3840], [3138, 128], [806, 2176], [1936, 576], [1802, 3648], [3516, 832], [898, 1312]

1158. [670, 2048], [942, 3072], [3, 2560], [206, 1536], [1171, 2304], [2779, 768], [2113, 2816], [3135, 1792], [799, 2176], [592, 1664], [3410, 3712], [2438, 2112], [786, 3136], [2100, 3392], [2310, 1056]

1159. [425, 2048], [554, 3072], [3186, 512], [428, 2560], [1302, 1536], [1223, 3584], [3107, 2304], [3631, 128], [2164, 2176], [3091, 1664], [375, 3712], [2840, 2944], [1919, 3968], [804, 576], [3118, 832]

1160. [1014, 2048], [911, 3072], [2522, 2560], [266, 1536], [1051, 3584], [3241, 2304], [2098, 768], [1032, 2816], [1791, 1792], [3155, 3200], [2842, 2688], [3675, 3712], [957, 576], [1705, 704], [2184, 3360]

1161. [793, 2048], [783, 3072], [508, 2560], [3481, 1536], [3578, 3584], [104, 2304], [1277, 3328], [764, 1792], [3965, 2176], [2174, 3200], [610, 1664], [2866, 3712], [2150, 2944], [3848, 3136], [2887, 2592]

1162. [1747, 2048], [3242, 512], [3172, 2560], [3530, 1536], [3502, 3584], [85, 2304], [3186, 3328], [1586, 1792], [3136, 3840], [1387, 128], [3614, 2688], [602, 3712], [1312, 3968], [912, 1600], [158, 192]

1163. [1311, 2048], [3027, 3072], [2332, 512], [1472, 2560], [1377, 3584], [1062, 2304], [3327, 3328], [4, 1792], [1203, 3840], [2378, 1664], [1384, 3712], [2094, 3968], [1921, 2112], [1681, 3136], [3986, 1600]

1164. [1833, 2048], [987, 3072], [1299, 512], [220, 2560], [119, 3584], [39, 3328], [2710, 1792], [1657, 128], [3679, 3200], [74, 2688], [304, 2112], [686, 1600], [2469, 3648], [1199, 2368], [2186, 3104]

1165. [957, 2048], [3029, 3072], [508, 512], [1464, 2560], [2406, 1536], [2644, 768], [3771, 1792], [3209, 3840], [1074, 128], [1910, 2176], [1333, 3712], [3705, 1408], [1970, 3648], [1197, 1856], [59, 3520]

1166. [153, 2048], [2595, 3072], [17, 512], [213, 2560], [1197, 2304], [1778, 3328], [652, 768], [2172, 2816], [2297, 1792], [637, 128], [879, 2176], [2337, 3712], [537, 2944], [38, 3968], [3519, 3392]

1167. [20, 2048], [2926, 3072], [441, 512], [2148, 2560], [2787, 3328], [158, 2816], [1243, 3840], [3350, 128], [3417, 1664], [314, 3712], [25, 1408], [323, 1920], [2691, 2112], [529, 2368], [3347, 1856]

1168. [1113, 2048], [903, 3072], [3561, 2560], [3253, 1536], [2060, 3584], [3244, 3328], [2204, 1792], [1540, 3840], [597, 2176], [3183, 3712], [2398, 2944], [1935, 2112], [2720, 3136], [1169, 2368], [3606, 1056]

1169. [2009, 2048], [2397, 3072], [2462, 512], [1405, 1536], [60, 3584], [3252, 2304], [2652, 3328], [3594, 768], [532, 2816], [3245, 3840], [2885, 128], [1372, 2176], [1544, 2368], [2179, 832], [3354, 1856]

1170. [1055, 2048], [2221, 3072], [3447, 512], [3512, 1536], [208, 3584], [26, 2304], [1711, 3328], [3734, 768], [3751, 2816], [3415, 128], [2668, 2176], [3388, 2944], [1852, 2112], [1671, 3648], [812, 2880]

1171. [473, 2048], [2649, 3072], [2235, 512], [2345, 2560], [3225, 1536], [3674, 2304], [1228, 3328], [2759, 2816], [530, 2176], [3699, 3200], [2111, 832], [3883, 2880], [1692, 3904], [1328, 1472], [2182, 3520]

1172. [1483, 2048], [2531, 3072], [3540, 512], [454, 2560], [2060, 1536], [3586, 2304], [3835, 768], [2663, 2816], [2133, 1792], [187, 3840], [3123, 128], [3100, 3200], [2821, 3712], [1641, 2944], [1289, 3904]

1173. [1338, 2048], [675, 3072], [1529, 512], [2150, 2560], [393, 1536], [3234, 3584], [114, 2304], [2783, 3328], [1050, 768], [1208, 1792], [1904, 128], [2338, 2688], [3455, 1408], [3988, 1856], [2716, 1472]

1174. [657, 2048], [2463, 3072], [1065, 512], [2382, 2560], [2078, 1536], [576, 3328], [1093, 768], [1230, 2816], [3707, 1792], [2353, 128], [3848, 2176], [2368, 1408], [1931, 1600], [1805, 1856], [2985, 192]

1175. [1229, 2048], [221, 3072], [434, 512], [1151, 2560], [3114, 1536], [1195, 3584], [1150, 3328], [582, 2816], [1781, 1792], [2177, 3840], [2923, 3200], [3402, 1664], [2855, 2944], [1718, 3648], [1413, 3904]

1176. [1862, 2048], [73, 3072], [1161, 512], [3408, 2560], [3543, 1536], [3163, 3584], [1261, 2304], [1194, 1792], [2078, 1664], [1039, 2944], [1393, 1920], [1352, 3968], [2960, 2112], [141, 1856], [2361, 3264]

1177. [1815, 2048], [409, 3072], [3215, 512], [1283, 2560], [220, 3584], [1270, 2304], [1711, 768], [1173, 2816], [1589, 1792], [279, 2176], [1889, 3200], [570, 3712], [3683, 1408], [1446, 576], [1413, 3264]

1178. [1757, 2048], [487, 3072], [3196, 2560], [227, 1536], [1233, 3584], [3786, 2304], [1221, 3328], [1244, 768], [3288, 1792], [3122, 3200], [3445, 3712], [1116, 1920], [513, 2112], [2867, 832], [4000, 448]

1179. [1239, 2048], [301, 3072], [385, 512], [1532, 1536], [1149, 2304], [2173, 3328], [2693, 768], [3769, 1792], [3316, 3840], [2654, 2176], [2125, 2688], [3884, 1408], [3228, 1856], [1415, 448], [2258, 3232]

1180. [1013, 2048], [663, 3072], [2449, 512], [3365, 2560], [1047, 1536], [405, 3584], [668, 2304], [1555, 768], [792, 2176], [3118, 1664], [372, 2944], [1412, 3136], [3381, 2368], [799, 192], [184, 1984]

1181. [2023, 2048], [285, 3072], [246, 512], [207, 2560], [398, 1536], [2407, 3584], [731, 2304], [1268, 3328], [614, 768], [862, 1664], [597, 3712], [3701, 3968], [294, 2880], [2600, 3904], [2945, 1984]

1182. [438, 2048], [2505, 3072], [2530, 512], [2164, 2560], [48, 1536], [3246, 3584], [561, 3328], [2662, 768], [1057, 1792], [2937, 2688], [3850, 576], [2212, 1600], [3508, 704], [269, 4032], [1304, 1056]

1183. [1736, 2048], [2315, 3072], [210, 512], [500, 3584], [3140, 2304], [1541, 3328], [550, 768], [3167, 2816], [3302, 3840], [838, 2176], [1914, 1664], [1682, 3136], [3376, 576], [2950, 1984], [148, 2720]

1184. [621, 2048], [2471, 3072], [3387, 2560], [418, 1536], [2193, 3584], [162, 2816], [3623, 1792], [3122, 3840], [2919, 128], [3916, 2176], [101, 2688], [1113, 1664], [318, 1600], [1219, 2080], [3351, 928]

1185. [61, 2048], [977, 3072], [3549, 512], [3407, 2560], [2353, 3584], [248, 2304], [3739, 3328], [3664, 768], [1662, 2816], [3266, 3840], [2091, 128], [3183, 2176], [3199, 1408], [3243, 2368], [449, 2272]

1186. [237, 2048], [929, 3072], [2551, 512], [3548, 3584], [3652, 3328], [3663, 2816], [11, 1792], [2278, 3840], [2846, 3200], [1052, 3712], [1393, 1408], [86, 1920], [1542, 3136], [2086, 2368], [3772, 3520]

1187. [315, 2048], [2141, 3072], [3524, 512], [1161, 2560], [3577, 3584], [3300, 2304], [3314, 3328], [3215, 768], [3131, 2816], [3221, 1792], [3444, 128], [869, 3200], [62, 3712], [589, 1408], [2948, 3136]

1188. [1009, 2048], [319, 3072], [3225, 512], [1396, 2560], [1314, 1536], [3091, 2304], [1062, 3328], [2765, 1792], [2118, 3840], [3658, 1664], [2855, 3712], [1609, 2944], [1286, 1920], [2053, 1600], [917, 704]

1189. [1553, 2048], [2757, 3072], [1418, 512], [158, 2560], [3565, 1536], [3492, 3584], [541, 2304], [2736, 768], [1730, 2816], [3945, 128], [2133, 3200], [327, 1408], [1598, 1920], [3227, 2112], [676, 1600]

1190. [386, 2048], [405, 3072], [279, 512], [2298, 1536], [1475, 3584], [648, 2304], [31, 3328], [2694, 768], [2632, 2816], [610, 128], [360, 3200], [1059, 3712], [1069, 1920], [3217, 3136], [3599, 832]

1191. [875, 2048], [2142, 3072], [3113, 512], [1134, 2560], [2514, 1536], [3395, 3584], [1589, 3328], [1091, 3840], [3116, 128], [525, 2176], [2403, 3200], [2900, 3968], [2206, 3136], [179, 576], [2973, 3392]

1192. [557, 2048], [2258, 512], [1178, 2560], [3416, 1536], [3573, 3584], [3819, 2304], [764, 768], [1045, 1792], [2564, 3840], [2565, 3712], [262, 1408], [29, 2944], [1340, 3968], [1599, 3520], [1484, 608]

1193. [1371, 2048], [717, 3072], [215, 512], [3382, 2560], [3207, 1536], [2067, 3584], [2740, 2304], [667, 3328], [1684, 2816], [2574, 1792], [3367, 2688], [2387, 1664], [2575, 2944], [3438, 3968], [2191, 3104]

1194. [2011, 2048], [154, 3072], [1411, 512], [2244, 2560], [1425, 1536], [3824, 2304], [2608, 3328], [1748, 768], [1762, 2816], [3286, 1792], [3654, 3840], [2660, 3200], [2316, 1664], [3935, 3712], [3185, 3968]

1195. [43, 2048], [849, 3072], [2164, 512], [1460, 2560], [2518, 1536], [1774, 2304], [658, 2816], [677, 1792], [1618, 2688], [1797, 1408], [2567, 3968], [830, 1600], [287, 832], [388, 704], [199, 3360]

1196. [207, 2048], [157, 3072], [3305, 512], [370, 2560], [1169, 1536], [375, 3584], [1054, 768], [2695, 2816], [2803, 3840], [1150, 3200], [3123, 2688], [3955, 2944], [3472, 2112], [3250, 576], [1462, 4032]

1197. [1655, 2048], [1295, 512], [2438, 2560], [3098, 1536], [2370, 3584], [2709, 2304], [672, 768], [1245, 3840], [2575, 3200], [1646, 1664], [276, 3712], [2341, 576], [3133, 2368], [2737, 3392], [213, 2080]

1198. [599, 2048], [76, 512], [2387, 2560], [3458, 1536], [328, 3584], [1543, 2304], [37, 3328], [125, 3840], [3599, 2176], [634, 3200], [1396, 1664], [3414, 1408], [1796, 1920], [318, 2112], [1950, 576]

1199. [591, 2048], [2193, 3072], [3541, 512], [3420, 2560], [104, 1536], [395, 3584], [238, 2304], [1130, 768], [19, 2816], [2166, 1792], [2256, 3840], [2907, 2688], [945, 2112], [187, 576], [2207, 192]

1200. [1511, 2048], [2105, 3072], [2284, 512], [2301, 2560], [3152, 1536], [2329, 3584], [1650, 2304], [3599, 768], [1687, 2816], [1159, 3840], [2172, 2176], [832, 3712], [3891, 1408], [1845, 2112], [13, 3904]

1201. [1591, 2048], [747, 3072], [3077, 512], [501, 2560], [3379, 1536], [274, 3584], [66, 2304], [2701, 2816], [1627, 3840], [2070, 2176], [2424, 3200], [3123, 2112], [2742, 2880], [2570, 1472], [2976, 3520]

1202. [1806, 2048], [142, 3072], [234, 512], [3467, 2560], [2354, 3584], [1772, 3328], [2204, 768], [2689, 1792], [2414, 128], [1340, 2176], [1902, 2688], [842, 3968], [2448, 3136], [659, 576], [1293, 1056]

1203. [407, 2048], [2915, 3072], [1061, 512], [1253, 2560], [393, 3584], [1103, 3328], [644, 2816], [3789, 1792], [548, 3840], [3949, 3200], [608, 1664], [1078, 2944], [313, 1920], [947, 3136], [2079, 1600]

1204. [835, 2048], [3043, 3072], [142, 512], [1359, 2560], [1409, 3584], [1247, 2304], [1696, 2816], [203, 1792], [3706, 128], [3893, 2688], [2370, 2944], [2920, 1920], [1053, 3968], [1701, 576], [2096, 3648]

1205. [454, 2048], [2963, 3072], [2155, 512], [3662, 2304], [3627, 3328], [232, 768], [3677, 2816], [1223, 1792], [3915, 128], [833, 3712], [2343, 1920], [39, 576], [3856, 1600], [1950, 448], [1691, 3360]

1206. [1603, 2048], [763, 3072], [1257, 512], [374, 2560], [2393, 1536], [80, 3584], [3288, 3328], [95, 3840], [593, 2688], [2596, 1408], [2428, 2944], [2374, 3968], [3084, 1600], [1195, 960], [1369, 1056]

1207. [846, 2048], [2457, 3072], [3378, 512], [3418, 2560], [262, 1536], [2174, 3584], [2189, 1792], [3140, 128], [122, 2176], [2053, 2688], [580, 2944], [1155, 2112], [3468, 3136], [2594, 1600], [514, 3232]

1208. [1942, 2048], [3049, 3072], [2221, 512], [53, 2560], [3102, 1536], [1345, 3584], [62, 3328], [3740, 768], [3150, 2816], [1174, 3840], [551, 128], [3163, 2176], [2412, 3200], [1713, 1600], [1730, 416]

1209. [1247, 2048], [205, 3072], [3402, 512], [357, 3584], [2262, 3328], [26, 2816], [3106, 1792], [229, 3840], [2163, 3200], [3952, 1664], [2126, 3712], [45, 2112], [1720, 1600], [3076, 3648], [3868, 704]

1210. [129, 2048], [2405, 3072], [499, 512], [2425, 2560], [2555, 1536], [2365, 3584], [3631, 2304], [3758, 3328], [3756, 3840], [1796, 128], [1632, 2688], [1638, 3712], [568, 2944], [2584, 3904], [1832, 448]

1211. [773, 2048], [2817, 3072], [1391, 512], [2486, 1536], [1192, 2304], [3095, 3328], [2763, 2816], [1031, 3840], [2837, 2176], [2887, 3200], [3181, 2688], [2141, 1920], [1917, 3968], [3477, 3648], [2844, 2592]

1212. [1399, 2048], [765, 3072], [21, 512], [2113, 2560], [1231, 3584], [615, 2304], [1648, 3328], [3187, 768], [1067, 128], [1573, 3712], [1025, 1408], [2403, 1920], [15, 2368], [3341, 1472], [1182, 3520]

1213. [1357, 2048], [174, 3072], [3117, 512], [1140, 2560], [3204, 3584], [652, 2304], [598, 3328], [3662, 3200], [3601, 3712], [2687, 1408], [95, 1920], [833, 3968], [3633, 576], [299, 1600], [2198, 3392]

1214. [47, 2048], [697, 3072], [509, 512], [1516, 2560], [3513, 1536], [2427, 3584], [3714, 2304], [1763, 3328], [3686, 2816], [1025, 128], [2345, 3200], [3903, 2944], [1590, 3968], [1413, 3392], [2488, 448]

1215. [939, 2048], [533, 3072], [161, 2560], [150, 1536], [111, 3584], [3083, 2304], [2727, 3328], [2255, 768], [1207, 3840], [1626, 128], [835, 2176], [1383, 3712], [1721, 3136], [3255, 3392], [3019, 3104]

1216. [1729, 2048], [2873, 3072], [302, 512], [224, 2560], [1583, 2304], [1733, 3328], [1256, 768], [2608, 2816], [1124, 1792], [2911, 2688], [1061, 1408], [1295, 2944], [950, 2368], [3602, 832], [1423, 3904]

1217. [1339, 2048], [85, 3072], [3530, 512], [2486, 2560], [3270, 1536], [1640, 2304], [1667, 3328], [2297, 768], [730, 2816], [1742, 1792], [1050, 3840], [261, 128], [637, 1920], [2570, 2368], [3125, 2880]

1218. [319, 2048], [39, 3072], [1478, 512], [435, 2560], [2161, 3584], [1706, 768], [3197, 2816], [1092, 1792], [3078, 3840], [2165, 2176], [3612, 1408], [305, 3136], [3510, 576], [1453, 2880], [1615, 1312]

1219. [317, 2048], [2455, 3072], [3522, 512], [3466, 2560], [3518, 1536], [338, 3584], [1127, 2304], [1547, 768], [3319, 2816], [3428, 1408], [1025, 2944], [2328, 1600], [3599, 3648], [3352, 1856], [4005, 3904]

1220. [1546, 2048], [2923, 3072], [1042, 512], [2116, 1536], [167, 3584], [3760, 2304], [3605, 3328], [1650, 768], [1068, 2816], [3129, 3840], [631, 128], [1307, 3712], [2905, 1920], [3615, 1600], [410, 3904]

1221. [393, 2048], [2615, 3072], [3193, 512], [2328, 2560], [3126, 1536], [2344, 3584], [2652, 2304], [1683, 3328], [252, 3840], [2388, 128], [3406, 2688], [3626, 1408], [59, 2944], [945, 3904], [3342, 3104]

1222. [1349, 2048], [685, 3072], [1305, 512], [1203, 1536], [131, 3584], [2294, 2304], [674, 3328], [2775, 768], [762, 2816], [3908, 3200], [3676, 2944], [2107, 2112], [3241, 3904], [3340, 704], [3098, 448]

1223. [1761, 2048], [3005, 3072], [95, 512], [2381, 2560], [3529, 1536], [1381, 3584], [603, 2304], [2274, 3328], [2142, 1792], [3124, 128], [1862, 2688], [3351, 1920], [2341, 3968], [4016, 192], [2716, 3264]

1224. [1309, 2048], [1461, 512], [3140, 2560], [1506, 1536], [3175, 3584], [189, 2304], [2598, 3328], [2143, 768], [1656, 2688], [2123, 1664], [2915, 3712], [2609, 1408], [947, 1600], [955, 3264], [1293, 1472]

1225. [931, 2048], [2063, 3072], [191, 512], [2516, 2560], [3472, 1536], [1116, 3584], [1708, 2304], [19, 3328], [2667, 768], [1209, 2816], [869, 1664], [3759, 3648], [3381, 704], [955, 1472], [6, 1056]

1226. $[1255, 2048]$, $[294, 3072]$, $[1106, 512]$, $[3359, 2560]$, $[469, 1536]$, $[2629, 2304]$, $[92, 3328]$, $[2297, 2816]$, $[757, 1792]$, $[2092, 3840]$, $[1806, 128]$, $[1327, 3712]$, $[2201, 2112]$, $[1938, 1984]$, $[3464, 2592]$

1227. $[125, 2048]$, $[2754, 3072]$, $[3180, 512]$, $[2343, 2560]$, $[2095, 1536]$, $[2066, 3584]$, $[1739, 3328]$, $[1104, 768]$, $[1146, 1792]$, $[191, 3840]$, $[1290, 128]$, $[3420, 3200]$, $[3178, 1920]$, $[3759, 704]$, $[2462, 4032]$

1228. $[439, 2048]$, $[825, 3072]$, $[1302, 512]$, $[339, 2560]$, $[1424, 1536]$, $[32, 3584]$, $[1095, 2304]$, $[2225, 3328]$, $[3333, 1664]$, $[1810, 3712]$, $[2612, 3968]$, $[1312, 576]$, $[2474, 3648]$, $[3252, 3264]$, $[1303, 3360]$

1229. $[1407, 2048]$, $[2565, 3072]$, $[410, 512]$, $[3273, 2560]$, $[153, 1536]$, $[2151, 3584]$, $[3224, 2304]$, $[694, 2816]$, $[1028, 1792]$, $[1636, 128]$, $[6, 3200]$, $[3993, 2112]$, $[3740, 1600]$, $[2583, 2368]$, $[777, 3744]$

1230. $[811, 2048]$, $[2966, 3072]$, $[2527, 512]$, $[3357, 2560]$, $[1320, 1536]$, $[1436, 3584]$, $[633, 2304]$, $[2801, 3328]$, $[148, 768]$, $[2589, 2816]$, $[3867, 3712]$, $[1301, 2880]$, $[2324, 1856]$, $[2438, 3264]$, $[975, 3744]$

1231. $[1611, 2048]$, $[2477, 3072]$, $[2249, 512]$, $[1164, 2560]$, $[3151, 3584]$, $[567, 2304]$, $[3773, 3328]$, $[3828, 2816]$, $[1685, 3840]$, $[3153, 128]$, $[798, 1664]$, $[808, 3712]$, $[97, 2944]$, $[303, 3968]$, $[2646, 3488]$

1232. $[1885, 2048]$, $[2165, 3072]$, $[110, 512]$, $[3274, 1536]$, $[1492, 3584]$, $[2620, 2304]$, $[1700, 3328]$, $[3652, 768]$, $[3826, 1792]$, $[3677, 128]$, $[2308, 3712]$, $[2924, 1408]$, $[388, 3136]$, $[1801, 448]$, $[2779, 2592]$

1233. $[1062, 2048]$, $[382, 3072]$, $[1041, 512]$, $[1221, 1536]$, $[1469, 3584]$, $[3114, 2304]$, $[2712, 768]$, $[179, 2816]$, $[1559, 1792]$, $[1576, 3840]$, $[1814, 3200]$, $[2132, 2944]$, $[33, 3136]$, $[1317, 576]$, $[3724, 832]$

1234. $[1382, 2048]$, $[1189, 512]$, $[2437, 2560]$, $[2318, 1536]$, $[3557, 3584]$, $[2733, 2304]$, $[1138, 3328]$, $[1220, 768]$, $[1102, 2176]$, $[3161, 2688]$, $[2584, 3712]$, $[2886, 2944]$, $[783, 1920]$, $[3094, 2880]$, $[1565, 192]$

1235. $[112, 2048]$, $[3069, 3072]$, $[2422, 512]$, $[1407, 2560]$, $[2419, 3584]$, $[1117, 3328]$, $[3635, 768]$, $[1171, 2816]$, $[3714, 3840]$, $[1400, 128]$, $[2825, 2176]$, $[2429, 3200]$, $[1871, 1920]$, $[34, 3136]$, $[1799, 576]$

1236. $[1489, 2048]$, $[2977, 3072]$, $[3166, 512]$, $[3402, 2560]$, $[1330, 1536]$, $[181, 3584]$, $[3087, 2304]$, $[2639, 3328]$, $[3700, 768]$, $[1683, 2816]$, $[2165, 3840]$, $[1282, 128]$, $[1903, 2688]$, $[1566, 3968]$, $[2563, 3520]$

1237. $[1918, 2048]$, $[326, 3072]$, $[3506, 2560]$, $[2065, 1536]$, $[1312, 3584]$, $[732, 2304]$, $[659, 3328]$, $[2724, 2816]$, $[1587, 3840]$, $[3647, 128]$, $[1618, 3712]$, $[1906, 2944]$, $[3953, 3968]$, $[136, 832]$, $[1931, 3264]$

1238. $[1555, 2048]$, $[2451, 3072]$, $[332, 512]$, $[1215, 2560]$, $[40, 1536]$, $[102, 3584]$, $[2621, 2304]$, $[2184, 3328]$, $[1210, 2816]$, $[380, 128]$, $[3159, 3200]$, $[3659, 2688]$, $[2121, 3968]$, $[807, 2112]$, $[1050, 960]$

1239. $[1813, 2048]$, $[2474, 3072]$, $[2147, 512]$, $[3368, 2560]$, $[1182, 1536]$, $[266, 3584]$, $[53, 2304]$, $[1059, 3328]$, $[3700, 2176]$, $[29, 3200]$, $[1306, 2688]$, $[347, 3968]$, $[1837, 2112]$, $[2493, 3136]$, $[3870, 2880]$

1240. $[78, 2048]$, $[215, 3072]$, $[1046, 512]$, $[2342, 2560]$, $[2289, 1536]$, $[3322, 3328]$, $[535, 768]$, $[220, 2816]$, $[2859, 128]$, $[3606, 2176]$, $[3946, 3712]$, $[597, 1408]$, $[335, 3968]$, $[445, 832]$, $[1730, 1312]$

1241. $[1203, 2048]$, $[199, 3072]$, $[415, 512]$, $[406, 1536]$, $[3344, 3584]$, $[1135, 2304]$, $[2609, 3328]$, $[3780, 768]$, $[1247, 2816]$, $[1618, 1792]$, $[3162, 3840]$, $[47, 3200]$, $[1076, 3712]$, $[2072, 2112]$, $[3612, 576]$

1242. $[1533, 2048]$, $[570, 3072]$, $[1372, 512]$, $[2204, 2560]$, $[3370, 1536]$, $[1457, 3584]$, $[2664, 2304]$, $[1157, 3328]$, $[3323, 768]$, $[753, 1792]$, $[1063, 3840]$, $[624, 128]$, $[3614, 2944]$, $[2857, 2112]$, $[1713, 2368]$

1243. $[2029, 2048]$, $[2433, 3072]$, $[1150, 512]$, $[3469, 2560]$, $[3372, 1536]$, $[2464, 3584]$, $[2205, 2304]$, $[226, 2816]$, $[2268, 1792]$, $[592, 3840]$, $[3637, 128]$, $[2115, 2176]$, $[3603, 2112]$, $[2736, 3136]$, $[3873, 3904]$

1244. $[901, 2048]$, $[2357, 3072]$, $[243, 512]$, $[3426, 1536]$, $[1496, 3584]$, $[3783, 2304]$, $[2084, 3328]$, $[734, 768]$, $[2561, 1792]$, $[632, 3840]$, $[1896, 2176]$, $[3848, 1664]$, $[1151, 3712]$, $[1648, 2944]$, $[3249, 3136]$

1245. $[1237, 2048]$, $[519, 3072]$, $[1063, 512]$, $[1333, 2560]$, $[3105, 3584]$, $[1159, 3328]$, $[1149, 768]$, $[3280, 2816]$, $[589, 1792]$, $[1739, 3840]$, $[2823, 2176]$, $[2331, 2688]$, $[2124, 3712]$, $[1065, 576]$, $[2949, 960]$

1246. $[1921, 2048]$, $[2673, 3072]$, $[3258, 512]$, $[3474, 2560]$, $[294, 1536]$, $[100, 3584]$, $[71, 768]$, $[1201, 2816]$, $[3677, 1792]$, $[2199, 3840]$, $[2881, 128]$, $[791, 1664]$, $[3988, 1600]$, $[2973, 2368]$, $[2455, 1856]$

1247. $[1525, 2048]$, $[559, 3072]$, $[2161, 512]$, $[2425, 1536]$, $[2500, 3584]$, $[1225, 3328]$, $[2580, 768]$, $[3226, 2816]$, $[2749, 3840]$, $[3866, 128]$, $[524, 3200]$, $[3115, 1664]$, $[3660, 3712]$, $[1207, 2880]$, $[688, 3520]$

1248. $[1107, 2048]$, $[3038, 3072]$, $[3428, 512]$, $[1447, 2560]$, $[1449, 1536]$, $[286, 3584]$, $[2802, 2304]$, $[1620, 768]$, $[1771, 1792]$, $[2292, 3840]$, $[2083, 1664]$, $[2648, 2944]$, $[3617, 2112]$, $[3334, 1600]$, $[2060, 448]$

1249. $[477, 2048]$, $[2429, 3072]$, $[3346, 512]$, $[1063, 3584]$, $[1722, 2304]$, $[2283, 768]$, $[1701, 2816]$, $[1737, 3840]$, $[796, 2176]$, $[3074, 1664]$, $[3150, 1408]$, $[1160, 3136]$, $[2877, 1600]$, $[3513, 3648]$, $[565, 3392]$

1250. $[403, 2048]$, $[841, 3072]$, $[43, 512]$, $[86, 2560]$, $[213, 3584]$, $[48, 2304]$, $[3709, 2816]$, $[1066, 128]$, $[3919, 3200]$, $[1608, 1920]$, $[691, 576]$, $[1575, 1600]$, $[3863, 3520]$, $[1427, 960]$, $[3414, 2592]$

1251. $[1106, 2048]$, $[2513, 3072]$, $[3401, 512]$, $[49, 2560]$, $[2310, 1536]$, $[2347, 3584]$, $[762, 2304]$, $[205, 3328]$, $[753, 768]$, $[1138, 3840]$, $[848, 128]$, $[2372, 3200]$, $[1084, 3968]$, $[527, 2112]$, $[3873, 3648]$

1252. $[1143, 2048]$, $[410, 3072]$, $[3546, 2560]$, $[2170, 1536]$, $[77, 3584]$, $[1658, 2304]$, $[3313, 3328]$, $[2291, 768]$, $[3659, 1792]$, $[2662, 128]$, $[3909, 3200]$, $[774, 3136]$, $[139, 3648]$, $[2568, 3264]$, $[3481, 704]$

1253. $[639, 2048]$, $[2266, 3072]$, $[1364, 2560]$, $[3360, 1536]$, $[1077, 3584]$, $[1537, 3328]$, $[2751, 768]$, $[41, 2816]$, $[588, 2176]$, $[1370, 3200]$, $[590, 3712]$, $[75, 1920]$, $[3337, 2880]$, $[3762, 3904]$, $[3204, 2912]$

1254. $[711, 2048]$, $[89, 512]$, $[1385, 2560]$, $[371, 1536]$, $[1533, 3584]$, $[3123, 2304]$, $[3585, 768]$, $[2274, 2816]$, $[1202, 1792]$, $[1566, 3712]$, $[2647, 2944]$, $[2841, 1920]$, $[3621, 2112]$, $[3503, 3904]$, $[2441, 3104]$

1255. $[1259, 2048]$, $[2194, 3072]$, $[2183, 512]$, $[2282, 2560]$, $[275, 1536]$, $[3194, 3584]$, $[2262, 2816]$, $[114, 1792]$, $[166, 3840]$, $[3427, 3200]$, $[807, 1664]$, $[3920, 1920]$, $[2063, 2112]$, $[2358, 3392]$, $[2597, 3520]$

1256. $[459, 2048]$, $[2279, 3072]$, $[50, 512]$, $[2319, 2560]$, $[1570, 2304]$, $[1546, 3328]$, $[1227, 768]$, $[1045, 2816]$, $[2737, 1792]$, $[517, 128]$, $[2569, 1920]$, $[2052, 1600]$, $[2614, 3648]$, $[1074, 832]$, $[1969, 3904]$

1257. $[101, 2048]$, $[2681, 3072]$, $[26, 512]$, $[2241, 2560]$, $[3293, 3584]$, $[2107, 2304]$, $[3287, 768]$, $[1041, 128]$, $[3, 2176]$, $[3644, 2688]$, $[2863, 1408]$, $[288, 3136]$, $[2462, 832]$, $[1848, 2880]$, $[307, 960]$

1258. $[1079, 2048]$, $[2069, 3072]$, $[255, 512]$, $[1063, 1536]$, $[70, 3584]$, $[3229, 3328]$, $[1768, 768]$, $[1093, 2816]$, $[141, 1792]$, $[3633, 3968]$, $[820, 2112]$, $[2445, 3136]$, $[156, 1600]$, $[3086, 2880]$, $[3878, 1856]$

1259. $[887, 2048]$, $[739, 3072]$, $[3387, 512]$, $[3305, 2560]$, $[235, 1536]$, $[2570, 2304]$, $[3699, 2816]$, $[2659, 1792]$, $[1637, 128]$, $[3108, 2176]$, $[2140, 3200]$, $[2669, 1664]$, $[873, 3712]$, $[1065, 1408]$, $[2450, 1600]$

1260. $[1097, 2048]$, $[3045, 3072]$, $[2199, 512]$, $[13, 3584]$, $[1165, 2304]$, $[1119, 3328]$, $[3636, 768]$, $[2577, 3840]$, $[3146, 128]$, $[2572, 1920]$, $[2981, 2112]$, $[2093, 3136]$, $[1547, 3648]$, $[2706, 3264]$, $[691, 3520]$

1261. $[1173, 2048]$, $[773, 3072]$, $[231, 512]$, $[1350, 1536]$, $[2475, 3584]$, $[1585, 2304]$, $[3753, 3328]$, $[604, 768]$, $[3388, 128]$, $[1113, 3200]$, $[326, 2688]$, $[1836, 1664]$, $[1689, 1600]$, $[52, 2368]$, $[1075, 3520]$

1262. $[1565, 2048]$, $[967, 3072]$, $[1049, 512]$, $[231, 3584]$, $[132, 3328]$, $[746, 768]$, $[177, 2816]$, $[605, 1792]$, $[587, 3840]$, $[890, 128]$, $[311, 2176]$, $[124, 1408]$, $[3343, 2112]$, $[271, 3648]$, $[3889, 4032]$

1263. $[75, 2048]$, $[284, 3072]$, $[1393, 512]$, $[101, 2560]$, $[286, 1536]$, $[2199, 3584]$, $[3202, 2304]$, $[1265, 3328]$, $[201, 1792]$, $[1538, 3840]$, $[2667, 2176]$, $[874, 1408]$, $[579, 1920]$, $[3263, 1600]$, $[2130, 2720]$

1264. $[1613, 2048]$, $[171, 3072]$, $[1079, 512]$, $[1527, 2560]$, $[2482, 1536]$, $[1257, 3584]$, $[665, 768]$, $[2068, 2816]$, $[2634, 1792]$, $[3392, 2176]$, $[2398, 3200]$, $[1308, 1664]$, $[2208, 576]$, $[1087, 4032]$, $[3459, 3168]$

1265. $[1839, 2048]$, $[3322, 512]$, $[348, 1536]$, $[3369, 3584]$, $[3650, 3328]$, $[2775, 2816]$, $[2114, 1792]$, $[2589, 3840]$, $[2872, 2688]$, $[519, 1664]$, $[2140, 3712]$, $[3966, 1408]$, $[1909, 1920]$, $[1386, 3968]$, $[1027, 2080]$

1266. $[686, 2048]$, $[2993, 3072]$, $[3435, 512]$, $[1498, 2560]$, $[3559, 1536]$, $[3525, 3584]$, $[1576, 2304]$, $[2159, 768]$, $[1648, 2816]$, $[358, 3200]$, $[3909, 1664]$, $[3151, 3712]$, $[1321, 2944]$, $[2828, 2112]$, $[681, 3136]$

1267. $[1711, 2048]$, $[1023, 3072]$, $[3151, 512]$, $[81, 2560]$, $[2724, 2304]$, $[3812, 3328]$, $[2812, 768]$, $[2686, 1792]$, $[3677, 3840]$, $[567, 128]$, $[1903, 2176]$, $[1796, 3200]$, $[1144, 1920]$, $[3119, 2112]$, $[2324, 3904]$

1268. $[1477, 2048]$, $[2991, 3072]$, $[309, 512]$, $[2503, 2560]$, $[157, 3584]$, $[3736, 2304]$, $[1565, 768]$, $[3298, 2816]$, $[619, 3840]$, $[1552, 128]$, $[3894, 3200]$, $[2153, 3968]$, $[3493, 1600]$, $[2567, 2368]$, $[1320, 3264]$

1269. $[1710, 2048]$, $[313, 3072]$, $[229, 512]$, $[236, 2560]$, $[2542, 1536]$, $[3278, 3584]$, $[1611, 2304]$, $[2074, 2816]$, $[3689, 2176]$, $[2430, 3200]$, $[2419, 1664]$, $[1904, 3712]$, $[3415, 3968]$, $[160, 3136]$, $[3382, 2880]$

1270. $[1519, 2048]$, $[2588, 3072]$, $[3337, 512]$, $[2505, 2560]$, $[3169, 1536]$, $[1095, 3584]$, $[84, 2304]$, $[3404, 1664]$, $[2235, 2112]$, $[3623, 576]$, $[2714, 2880]$, $[2864, 704]$, $[2220, 448]$, $[3206, 4032]$, $[1537, 3488]$

1271. $[18, 2048]$, $[1038, 512]$, $[1066, 3584]$, $[1622, 3328]$, $[3638, 768]$, $[2148, 2816]$, $[2717, 1792]$, $[770, 2176]$, $[3455, 3200]$, $[3087, 2688]$, $[3649, 1408]$, $[618, 1920]$, $[955, 2112]$, $[3609, 3648]$, $[3239, 1856]$

1272. $[1750, 2048]$, $[2661, 3072]$, $[2347, 512]$, $[266, 2560]$, $[169, 1536]$, $[1394, 3584]$, $[1718, 2304]$, $[145, 3328]$, $[254, 768]$, $[321, 3200]$, $[1302, 2688]$, $[1059, 2944]$, $[3879, 2112]$, $[2474, 576]$, $[2373, 608]$

1273. $[1227, 2048]$, $[2755, 3072]$, $[45, 512]$, $[2206, 2560]$, $[3554, 3584]$, $[1056, 3328]$, $[2129, 768]$, $[1369, 2688]$, $[2585, 1664]$, $[3645, 3712]$, $[3961, 1408]$, $[175, 2112]$, $[1197, 3136]$, $[3123, 3264]$, $[4040, 3360]$

1274. $[1547, 2048]$, $[719, 3072]$, $[2495, 512]$, $[1391, 1536]$, $[3226, 2304]$, $[3709, 3328]$, $[1734, 768]$, $[1540, 2816]$, $[1823, 2176]$, $[1337, 3200]$, $[2629, 2688]$, $[2572, 1408]$, $[651, 3136]$, $[55, 576]$, $[2108, 2880]$

1275. $[1745, 2048]$, $[2282, 3072]$, $[252, 512]$, $[2380, 2560]$, $[1708, 768]$, $[1130, 1792]$, $[3909, 128]$, $[1358, 2176]$, $[845, 1664]$, $[1346, 3712]$, $[1546, 1408]$, $[3655, 2944]$, $[3432, 1920]$, $[106, 3968]$, $[3104, 1600]$

1276. $[1831, 2048]$, $[1346, 512]$, $[3425, 2560]$, $[1752, 2304]$, $[631, 3328]$, $[86, 3840]$, $[1854, 2176]$, $[613, 3200]$, $[1052, 2688]$, $[534, 3712]$, $[862, 1408]$, $[3855, 1920]$, $[3877, 576]$, $[3132, 1600]$, $[2198, 2080]$

1277. $[691, 2048]$, $[2102, 3072]$, $[1210, 512]$, $[50, 2560]$, $[2457, 1536]$, $[157, 2304]$, $[1161, 3328]$, $[2731, 768]$, $[1663, 2816]$, $[3357, 2176]$, $[41, 3712]$, $[2448, 2112]$, $[661, 1600]$, $[909, 3264]$, $[2332, 2592]$

1278. $[273, 2048]$, $[2257, 3072]$, $[3374, 512]$, $[3424, 2560]$, $[59, 2304]$, $[1104, 3328]$, $[1169, 3840]$, $[2867, 2176]$, $[3888, 3200]$, $[1572, 2688]$, $[1048, 3968]$, $[2708, 3648]$, $[1191, 2368]$, $[3131, 3392]$, $[1325, 3264]$

1279. $[369, 2048]$, $[991, 3072]$, $[3181, 512]$, $[3293, 2560]$, $[1207, 3584]$, $[93, 2304]$, $[2788, 3328]$, $[2266, 768]$, $[213, 2816]$, $[2127, 1792]$, $[1085, 3840]$, $[3850, 3712]$, $[52, 3648]$, $[2562, 3392]$, $[3083, 1984]$

1280. $[1155, 2048]$, $[159, 3072]$, $[379, 512]$, $[219, 2560]$, $[2252, 1536]$, $[1439, 3584]$, $[2248, 2304]$, $[3165, 3328]$, $[2063, 768]$, $[3618, 3840]$, $[573, 128]$, $[2568, 2176]$, $[86, 2688]$, $[1630, 3712]$, $[1549, 3264]$

1281. $[1395, 2048]$, $[459, 3072]$, $[3444, 512]$, $[98, 2560]$, $[3257, 2304]$, $[246, 3328]$, $[3763, 768]$, $[3207, 1792]$, $[2753, 3840]$, $[39, 1664]$, $[2859, 2944]$, $[3329, 1920]$, $[2923, 3968]$, $[3867, 2368]$, $[3006, 448]$

1282. $[1659, 2048]$, $[2951, 3072]$, $[61, 512]$, $[1031, 2560]$, $[2471, 1536]$, $[2235, 3584]$, $[2713, 3328]$, $[2248, 2816]$, $[701, 1792]$, $[3938, 128]$, $[818, 1664]$, $[1058, 3136]$, $[3770, 832]$, $[2718, 3520]$, $[2643, 2592]$

1283. $[155, 2048]$, $[255, 3072]$, $[3565, 2560]$, $[1206, 1536]$, $[1265, 2304]$, $[1680, 768]$, $[1574, 1792]$, $[3170, 3840]$, $[2891, 128]$, $[1043, 2176]$, $[2623, 1408]$, $[285, 2944]$, $[2360, 832]$, $[817, 1856]$, $[2187, 1984]$

1284. $[421, 2048]$, $[766, 3072]$, $[164, 2560]$, $[3551, 1536]$, $[2375, 3584]$, $[3227, 3328]$, $[1541, 2816]$, $[1655, 1792]$, $[3094, 2176]$, $[809, 2688]$, $[2908, 1664]$, $[1577, 3712]$, $[1571, 2944]$, $[3598, 576]$, $[2859, 1856]$

1285. $[890, 2048]$, $[2486, 3072]$, $[1340, 512]$, $[275, 2560]$, $[1162, 2304]$, $[2687, 3328]$, $[2228, 2816]$, $[3963, 128]$, $[3198, 2176]$, $[3384, 1408]$, $[83, 2944]$, $[3744, 576]$, $[1156, 1600]$, $[1203, 2368]$, $[1328, 3904]$

1286. $[114, 2048]$, $[2738, 3072]$, $[2122, 512]$, $[2280, 2560]$, $[2205, 3584]$, $[3686, 2304]$, $[1643, 3328]$, $[3810, 2816]$, $[150, 1792]$, $[3752, 3840]$, $[3110, 2176]$, $[3885, 3712]$, $[834, 1920]$, $[2623, 3648]$, $[2054, 2592]$

1287. $[1057, 2048]$, $[2259, 3072]$, $[2397, 512]$, $[1139, 2560]$, $[2070, 1536]$, $[3286, 3584]$, $[2186, 2304]$, $[2261, 3328]$, $[2296, 768]$, $[2248, 1792]$, $[1678, 3840]$, $[281, 128]$, $[2052, 2176]$, $[3999, 1600]$, $[2828, 3904]$

1288. $[261, 2048]$, $[2899, 3072]$, $[2545, 512]$, $[1095, 2560]$, $[2492, 3584]$, $[2213, 3328]$, $[1568, 768]$, $[1213, 1792]$, $[3175, 3840]$, $[277, 3200]$, $[2096, 1664]$, $[34, 1408]$, $[782, 3904]$, $[2321, 4032]$, $[1861, 3232]$

1289. $[1453, 2048]$, $[383, 3072]$, $[2095, 512]$, $[2167, 2560]$, $[2541, 1536]$, $[1442, 3584]$, $[2798, 3328]$, $[1551, 768]$, $[1127, 2816]$, $[767, 1792]$, $[1092, 2176]$, $[2658, 3968]$, $[1039, 3392]$, $[1817, 832]$, $[181, 3904]$

1290. $[23, 2048]$, $[969, 3072]$, $[357, 512]$, $[2208, 2560]$, $[3074, 1536]$, $[645, 2304]$, $[3678, 3328]$, $[529, 2816]$, $[37, 3840]$, $[1325, 128]$, $[2392, 2176]$, $[1855, 2688]$, $[2109, 3712]$, $[1892, 2944]$, $[3338, 704]$

1291. $[1039, 2048]$, $[2633, 3072]$, $[452, 512]$, $[2426, 2560]$, $[2378, 3584]$, $[3206, 2304]$, $[2124, 3328]$, $[1260, 768]$, $[3919, 128]$, $[2602, 2176]$, $[3197, 2688]$, $[2605, 1408]$, $[3631, 192]$, $[2961, 704]$, $[2467, 1472]$

1292. $[865, 2048]$, $[1009, 3072]$, $[133, 512]$, $[2523, 2560]$, $[2162, 1536]$, $[1255, 3584]$, $[595, 2304]$, $[1183, 3328]$, $[2214, 768]$, $[2056, 128]$, $[2364, 3200]$, $[270, 1664]$, $[2957, 3264]$, $[1702, 4032]$, $[2630, 2080]$

1293. $[1131, 2048]$, $[2237, 3072]$, $[1287, 512]$, $[3562, 1536]$, $[3360, 3584]$, $[1624, 3328]$, $[2799, 768]$, $[2234, 3840]$, $[2684, 128]$, $[2633, 3200]$, $[3965, 1664]$, $[1105, 2944]$, $[1560, 1600]$, $[3606, 1984]$, $[77, 1824]$

1294. $[1861, 2048]$, $[2943, 3072]$, $[3474, 512]$, $[2473, 3584]$, $[1612, 2304]$, $[3667, 3328]$, $[245, 768]$, $[3237, 2816]$, $[3869, 128]$, $[283, 2688]$, $[2339, 3712]$, $[3005, 576]$, $[2488, 832]$, $[143, 2880]$, $[3851, 1984]$

1295. $[867, 2048]$, $[2885, 3072]$, $[174, 512]$, $[1057, 2560]$, $[1508, 1536]$, $[96, 3584]$, $[2204, 3328]$, $[2087, 768]$, $[1640, 3840]$, $[1638, 128]$, $[41, 2176]$, $[1653, 3200]$, $[1311, 2112]$, $[2365, 3648]$, $[3534, 1056]$

1296. $[1517, 2048]$, $[107, 512]$, $[1210, 2560]$, $[94, 1536]$, $[2317, 3584]$, $[3108, 2304]$, $[2581, 3328]$, $[2203, 768]$, $[3222, 1792]$, $[3629, 2688]$, $[3652, 3712]$, $[3176, 1408]$, $[3252, 1600]$, $[2220, 3648]$, $[1164, 3264]$

1297. $[159, 2048]$, $[547, 3072]$, $[92, 512]$, $[1086, 2560]$, $[478, 1536]$, $[3712, 2304]$, $[1567, 3328]$, $[701, 768]$, $[2082, 1792]$, $[615, 3840]$, $[881, 128]$, $[1213, 3648]$, $[2182, 3264]$, $[138, 2080]$, $[1037, 3232]$

1298. $[1629, 2048]$, $[2782, 3072]$, $[1469, 512]$, $[1346, 2560]$, $[3402, 3584]$, $[3692, 2304]$, $[3269, 3328]$, $[634, 768]$, $[3624, 2816]$, $[2174, 1664]$, $[2817, 1408]$, $[3633, 1920]$, $[3882, 1856]$, $[2596, 704]$, $[1942, 1696]$

1299. $[1915, 2048]$, $[351, 3072]$, $[3246, 512]$, $[1239, 2560]$, $[2458, 1536]$, $[669, 2304]$, $[1692, 768]$, $[1347, 128]$, $[3449, 3200]$, $[2568, 2688]$, $[103, 2944]$, $[2444, 1600]$, $[3880, 3392]$, $[3131, 192]$, $[522, 3520]$

1300. $[1242, 2048]$, $[23, 3072]$, $[238, 2560]$, $[3088, 1536]$, $[44, 2304]$, $[180, 3328]$, $[65, 768]$, $[2788, 2816]$, $[6, 2176]$, $[2590, 2688]$, $[840, 1664]$, $[3440, 1408]$, $[2360, 1920]$, $[1795, 1856]$, $[4005, 704]$

1301. $[909, 2048]$, $[175, 3072]$, $[1491, 512]$, $[1332, 2560]$, $[1043, 1536]$, $[372, 3584]$, $[2565, 2304]$, $[626, 3328]$, $[1212, 768]$, $[586, 1792]$, $[1659, 3840]$, $[2602, 3200]$, $[2319, 1408]$, $[1812, 1920]$, $[3356, 3392]$

1302. $[1078, 2048]$, $[254, 3072]$, $[84, 512]$, $[1199, 1536]$, $[128, 3584]$, $[236, 2304]$, $[1538, 2688]$, $[1060, 1664]$, $[2410, 1408]$, $[538, 2944]$, $[2672, 3968]$, $[3371, 3136]$, $[539, 576]$, $[3122, 3392]$, $[2710, 2592]$

1303. $[1919, 2048]$, $[879, 3072]$, $[392, 512]$, $[2102, 2560]$, $[2065, 3584]$, $[3097, 2304]$, $[1668, 3328]$, $[2660, 768]$, $[3288, 2816]$, $[3274, 1792]$, $[343, 1664]$, $[1651, 1408]$, $[2386, 2944]$, $[815, 3968]$, $[3224, 3392]$

1304. $[1243, 2048]$, $[407, 3072]$, $[226, 512]$, $[2122, 2560]$, $[1059, 1536]$, $[146, 3584]$, $[3313, 768]$, $[101, 2816]$, $[3594, 3200]$, $[3906, 2688]$, $[1609, 3712]$, $[395, 2112]$, $[523, 3392]$, $[2338, 192]$, $[2949, 2272]$

1305. $[661, 2048]$, $[527, 3072]$, $[2550, 512]$, $[440, 2560]$, $[3318, 1536]$, $[362, 3584]$, $[3794, 3328]$, $[2590, 768]$, $[1627, 2816]$, $[1099, 3200]$, $[367, 1408]$, $[1106, 2944]$, $[3442, 3968]$, $[310, 3136]$, $[1226, 2592]$

1306. $[687, 2048]$, $[2182, 3072]$, $[124, 512]$, $[1178, 1536]$, $[2140, 2304]$, $[671, 768]$, $[3657, 3840]$, $[3669, 128]$, $[524, 3712]$, $[2956, 576]$, $[3888, 3648]$, $[3643, 2368]$, $[2598, 832]$, $[1193, 1856]$, $[2500, 2080]$

1307. $[1755, 2048]$, $[397, 3072]$, $[41, 512]$, $[2323, 2560]$, $[3267, 1536]$, $[1062, 3584]$, $[3763, 3328]$, $[2798, 2816]$, $[1127, 1792]$, $[3854, 2944]$, $[2428, 1920]$, $[7, 3648]$, $[3500, 3392]$, $[2967, 2880]$, $[267, 3264]$

1308. $[381, 2048]$, $[321, 3072]$, $[3365, 512]$, $[3251, 1536]$, $[1470, 3584]$, $[3795, 3328]$, $[3152, 768]$, $[2186, 2816]$, $[3103, 1792]$, $[697, 3840]$, $[2394, 1664]$, $[3648, 3712]$, $[3702, 3968]$, $[1058, 3392]$, $[270, 832]$

1309. $[1693, 2048]$, $[2399, 3072]$, $[1403, 2560]$, $[2481, 1536]$, $[2165, 3584]$, $[2094, 2304]$, $[2777, 3328]$, $[566, 768]$, $[207, 1792]$, $[2846, 1664]$, $[822, 3712]$, $[917, 1600]$, $[1340, 2368]$, $[150, 3392]$, $[807, 832]$

1310. $[150, 2048]$, $[2617, 3072]$, $[3353, 512]$, $[2345, 3584]$, $[1060, 2304]$, $[148, 3328]$, $[2222, 768]$, $[2131, 2816]$, $[3780, 3840]$, $[1343, 128]$, $[553, 3200]$, $[3964, 2944]$, $[1026, 3136]$, $[4001, 3904]$, $[772, 3104]$

1311. $[659, 2048]$, $[89, 3072]$, $[29, 512]$, $[2099, 2560]$, $[3368, 1536]$, $[2114, 2816]$, $[231, 1792]$, $[61, 128]$, $[3966, 2688]$, $[2901, 3712]$, $[3870, 1408]$, $[2659, 2944]$, $[186, 192]$, $[2948, 704]$, $[3348, 1472]$

1312. $[1998, 2048]$, $[2109, 3072]$, $[3192, 2560]$, $[3370, 3584]$, $[1714, 2304]$, $[561, 2816]$, $[3292, 3840]$, $[2092, 2176]$, $[101, 1664]$, $[2144, 3712]$, $[361, 3968]$, $[1724, 2112]$, $[3514, 3648]$, $[2475, 704]$, $[1584, 448]$

1313. $[971, 2048]$, $[229, 3072]$, $[3279, 512]$, $[1089, 2560]$, $[3147, 3584]$, $[3825, 2304]$, $[520, 768]$, $[541, 2816]$, $[1617, 3840]$, $[805, 128]$, $[3925, 3200]$, $[3004, 2112]$, $[284, 2368]$, $[282, 832]$, $[1193, 1984]$

1314. $[3, 2048]$, $[2293, 3072]$, $[1497, 512]$, $[3186, 2560]$, $[3525, 1536]$, $[1389, 3584]$, $[3125, 768]$, $[1673, 3840]$, $[2672, 1408]$, $[113, 3968]$, $[3379, 2112]$, $[2328, 3136]$, $[3341, 3392]$, $[2203, 960]$, $[2509, 2464]$

1315. $[536, 2048]$, $[526, 3072]$, $[271, 512]$, $[2146, 2560]$, $[3382, 1536]$, $[149, 2304]$, $[3139, 3328]$, $[194, 768]$, $[3801, 3840]$, $[373, 3200]$, $[1095, 1664]$, $[322, 1408]$, $[799, 2944]$, $[38, 1920]$, $[3657, 3360]$

1316. $[299, 2048]$, $[2839, 3072]$, $[423, 512]$, $[3432, 2560]$, $[2443, 1536]$, $[24, 3584]$, $[3641, 3328]$, $[2714, 2816]$, $[719, 3840]$, $[1655, 2176]$, $[3869, 3200]$, $[3681, 1664]$, $[434, 3392]$, $[2187, 832]$, $[3585, 1856]$