A Survey of Rational Diophantine Sextuples of Low Height

Philip E Gibbs   philegibbs@gmail.com

A rational Diophantine m-tuple is a set of m distinct positive rational numbers such that the product of any two is one less than a rational number squared. A computational search has been used to find over 1000 examples of rational Diophantine sextuples of low height which are then analysed in terms of algebraic relationships between entries. Three examples of near-septuples are found where a rational Diophantine quintuple can be extended to sextuples in two different ways so that the combination fails to be a rational Diophantine septuple only in one pair.

Introduction

A rational Diophantine m-tuple is a set of m positive rational numbers $\{a_1, \dots, a_m\}$ such that the product of any two is one less than a rational number squared.

$$a_i a_j + 1 = x_{ij}{}^2, i \neq j, \quad a_{i,} \, x_{ij} \in \mathbb{Q}$$

Diophantus of Alexandria was able to find triples and quadruples of such numbers [1]. Fermat looked at the problem in integers and found solutions for quadruples such as $\{1,3,8,120\}$ [2]. Euler was then able to extend this to a rational Diophantine quintuple and show that an infinite number of such quintuples exist [3].

$$1, 3, 8, 120, \frac{777480}{8288641}$$

Since 1999 the existence of rational Diophantine sextuples has been known by examples [4,5,6,7] and this year some infinite families of such sextuples have been constructed [8,9,10]. The previously known list of 45 sextuples may have helped in finding these families and it therefore seems worthwhile in the spirit of experimental mathematics to extend the search for low height sextuples further (The height of an m-tuple is defined as the largest numerator or denominator that appears in the m-tuple when all entries are expressed in lowest form.)

In the case of integer solutions it is known that no Diophantine sextuple exists and there can only be a finite number of quintuples of which no examples are known. Shortly after the first version of this search was completed a new paper has shown (subject to peer-review) that no Diophantine Quintuple exists [16]. In contrast very little is known about the limits in the rational case. It is known that any given rational Diophantine quadruple can only be extended to a rational Diophantine quintuple in a finite number of ways [11], but it is not known if a bound on the number of possible ways exists. As a corollary there cannot exists an ∞-tuple

i.e. an infinite sequence of distinct rational numbers such that the product of any two is one less than a square.

In relation to this the present search has turned up two cases of quadruples which can be extended to quintuples in six different ways:

$$\frac{81}{1400}, \frac{5696}{4725}, \frac{2875}{168}, \frac{4928}{3}$$

Can be extended to a quintuple using any one of these rationals:

$$\frac{98}{27}, \frac{104}{525}, \frac{96849}{350}, \frac{1549429}{1376646}, \frac{3714303488}{6103383075}, \frac{7694337252154322}{1857424629984075}$$

This second quadruple

$$\frac{152}{357}, \frac{2665}{2856}, \frac{3906}{17}, \frac{1224}{12943}$$

Can be extended with any of

$$\frac{1519}{408}, \frac{4505}{168}, \frac{1959335}{7824984}, \frac{13303605}{1077512}, \frac{73026883629}{17054089928}, \frac{515358540182255}{7116911275416}$$

Finally, the Lang conjectures if true would imply that there is an upper bound on the number of ways to extend a quintuple to a sextuple and therefore also that there is an upper bound on the number of elements in a m-tuple [12].

Search Methodology

The objective here is to find and analyse rational Diophantine sextuples of low height. Sextuples of low height are thought to be more likely to be have further extensions to rational Diophantine septuples, so if there is a way to find them in large numbers it can be used to search effectively for such septuples.

There are many possible strategies for such a search but they mostly follow the following steps

Step 1: Generate large numbers of rational Diophantine pairs, triples or quadruples of low height. For this survey a brute force search for all examples up to a given height was used to form the main base of pairs and triples. It is not hard to generate all triples up to a height of 1000 in this way and a partial search up to a height of 3000 was also used.

Step 2: Find ways to extend the pairs, triples or quadruples with one additional rational number. One method to do this for triples is to resolve the elliptic curve generated by the triple [6]. This is the best technique if many extensions are desired but in practice the larger solutions are unlikely to form sextuples except in special cases that are well understood (see below.) It is therefore sufficient to extend using simpler methods. This can be done by a combination of extending triples to regular quadruples [13] and quadruples to regular

quintuples [14] by well-known known algebraic methods. In addition I give below a parametric solution to extending rational Diophantine pairs to triples that was used extensively in this search.

Step 3: Scan all the extensions found to see if they can be combined to give a sextuple. Checking whether large rational numbers are squares is quite a costly part of the algorithm so it is important to do this only once for each pair and store the results in a Boolean array. This can then be used to quickly check if there are any combinations amongst the extension list which would then complete a rational Diophantine sextuple.

Once a sextuple is found it is worthwhile to carry out a longer search up to higher numbers to see if it can be extended further.

The algorithm was implemented in Java using the BigInteger class for the arithmetic on large numbers.

The above methodology was used in various forms and the sextuples found were combined into one list. The method of extending smaller m-tuples is successful because most sextuples contain a smaller pair, triple or quadruples of lower height, but there is no guarantee that all low height sextuples can be found in this way (for example the septuple number 15 in the list was only found using a brute-force search.) A more rigorous search was performed to find all sextuples up to a height of 5000 and to count the number of pairs, triples, quadruples and quintuples up to that height (see results below).

Extending Rational Pairs to Triples

A crucial element of the algorithm is the extension of rational Diophantine pairs to rational Diophantine triples. This can be used to form the base set of triples for extension if desired but it is also effective as a way of extending rational triples to quadruples as an alternative to elliptic curve methods. I.e. to extend a triple take the pair of lowest height and use this method to extend it to triples. These can be checked against the third element of the original triple to see if a rational Diophantine quadruple is formed.

Assume then that $\{a, b\}$ is a rational Diophantine pair, i.e. $ab + 1 = x^2, b > a$

This will be extended to a triple by a rational number c when

$$ac + 1 = y^2, bc + 1 = z^2$$

This can be solved given (y, z) such that

$$c = \frac{y^2 - 1}{a} = \frac{z^2 - 1}{b}$$

All solutions to this can be parameterised by the rational gradient

$$r = \frac{p}{q} = \frac{z - 1}{y - 1}$$

Which leads to a pair of linear equations in y and z

$$ry - z = r - 1$$

$$by - arz = ar - b$$

Eliminating z

$$y = \frac{2ar - ar^2 - b}{b - ar^2}$$

$$c = \frac{y^2 - 1}{a} = \frac{4(ar - b)r(1 - r)}{(b - ar^2)^2}$$

Or in terms of the integers p, q

$$c = \frac{4(ap - bq)pq(q - p)}{(bq^2 - ap^2)^2}$$

Search Results

The tables of results consisting of 551 rational Diophantine Sextuples uo to a height of ten million, and some special cases for larger height, are included in the Annex. The fractions within each sextuple are ordered by numerical size and the sextuples themselves are ordered by height.

Each sextuple is followed by symbols indicating algebraic relationships between the fractions. The letters in round brackets, e.g. (a,c,d,f), indicate sub-tuples which are regular pairs, triples, quadruples and quintuples [4]. The six letters represent the fractions as given in the order a,b,c,d,e,f . When the letters appear in square brackets e.g [a,c,d,f] this means that the reciprocals of the numbers satisfy the equation for a regular m-tuple. Regular sextuples are also shown in square brackets since in this case the inverses always also satisfy the same equation [15]. The possibility that a product of fractions equals one was also tested and was indicated in the one case where it occurred with [abcf = 1].

A special relationship for a triple given in [10] is indicated as <<a,b,c>>. When this relationship is met the elliptic curve induced by the triple has torsion group $Z2 \times Z6$ with the result that it can be extended to a rational Diophantine sextuple containing three regular quintuples.

Another relationship equivalent to $(abcd - 1)^2 = 4(ab + 1)(cd + 1)$ is indicated by <<a,b|c,d>> [9,10]. When this condition is met the two extensions of the quadruple to a quintuple form a sextuple with two regular quintuples and two regular quadruples. A search for sextuples of this type was performed using methods based on those described in [10]. It was easy to find well over 780 such sextuples of this type with a height less than one billion and more beyond but these were deemed too numerous to list in full.

Notable Cases

The most notable cases are pairs of sextuples which have a quintuple in common. These form a near-septuple which is deficient only in one pair of numbers whose product is not one less than a square. There are three examples of this in the table from pairs numbered (23,88) (181,182) and (292,293). When combined they form the following near-septuples where only the last two numbers do not produce a square.

```
243/560 1147/5040 1100/63 7820/567 95/112 38269/6480 196/45
(a,b,d,f) (b,c,e,f) (a,b,c,d,g) (a,b,e,g) (a,c,e,g) (b,d,e,g)

7657/420 480/91 441/260 425/1092 191840/273 13/105 43953/39605
(a,b,c,e) (a,b,c,f) (b,c,d,f) (a,c,d,e,f) (a,b,c,d,g)

518/45 7344/185 4004/1665 25900/690561 216/185 100/333 166600/37
(a,b,e,f) (a,c,e,f) (a,b,c,g) (a,c,d,e,g) [a,b,c,d,e,f]
```

There are also pairs of sextuples which share triples. Most cases of this occur when a triple induces an elliptic curve with $Z2 \times Z6$ torsion and rank greater than zero. Examples in the results table are pairs (266,1046) and (1074,1125). It is known that in this situation there is in fact an infinite family of sextuples containing the same triple [10]. There is one further pair which shares a triple and which is not of this type (232,245).

The search also turned up a notable quintuple which is the first known whose common denominator is a prime number
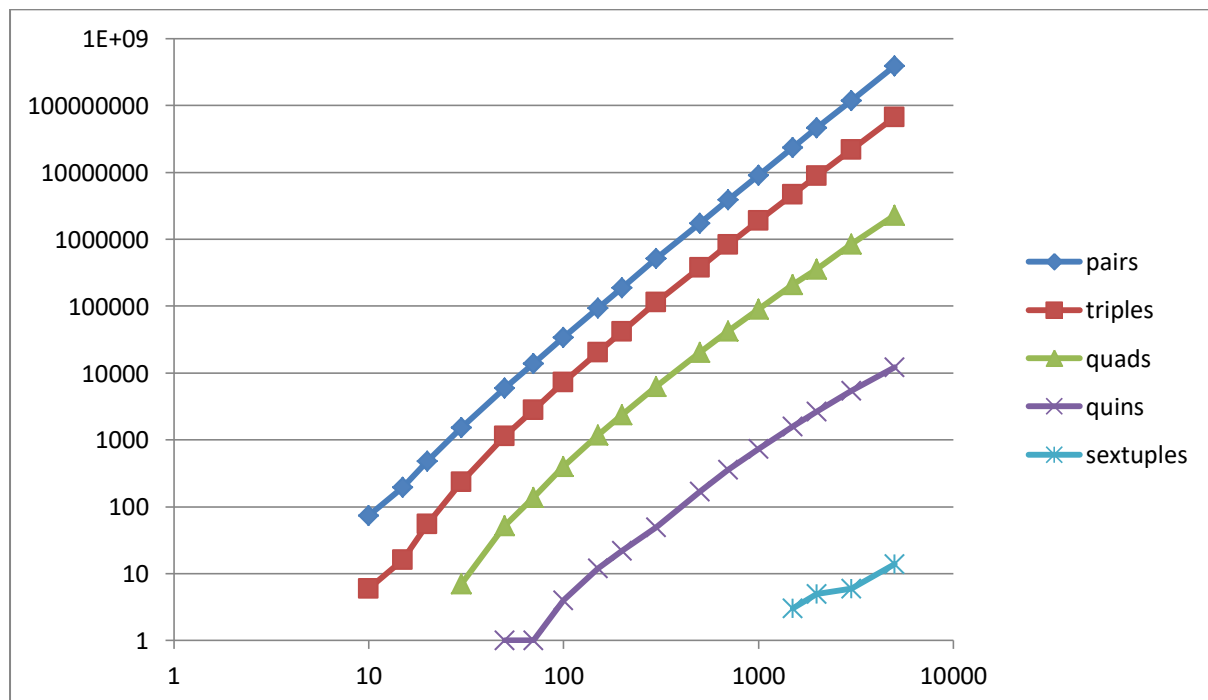
$$\frac{4}{23}, \frac{374}{23}, \frac{420}{23}, 276, 328440$$

Counting m-tuples

Using a brute force search it was possible to count the number of rational diophantine m-tuples below specific heights up to 5000. The results are shown in this table.
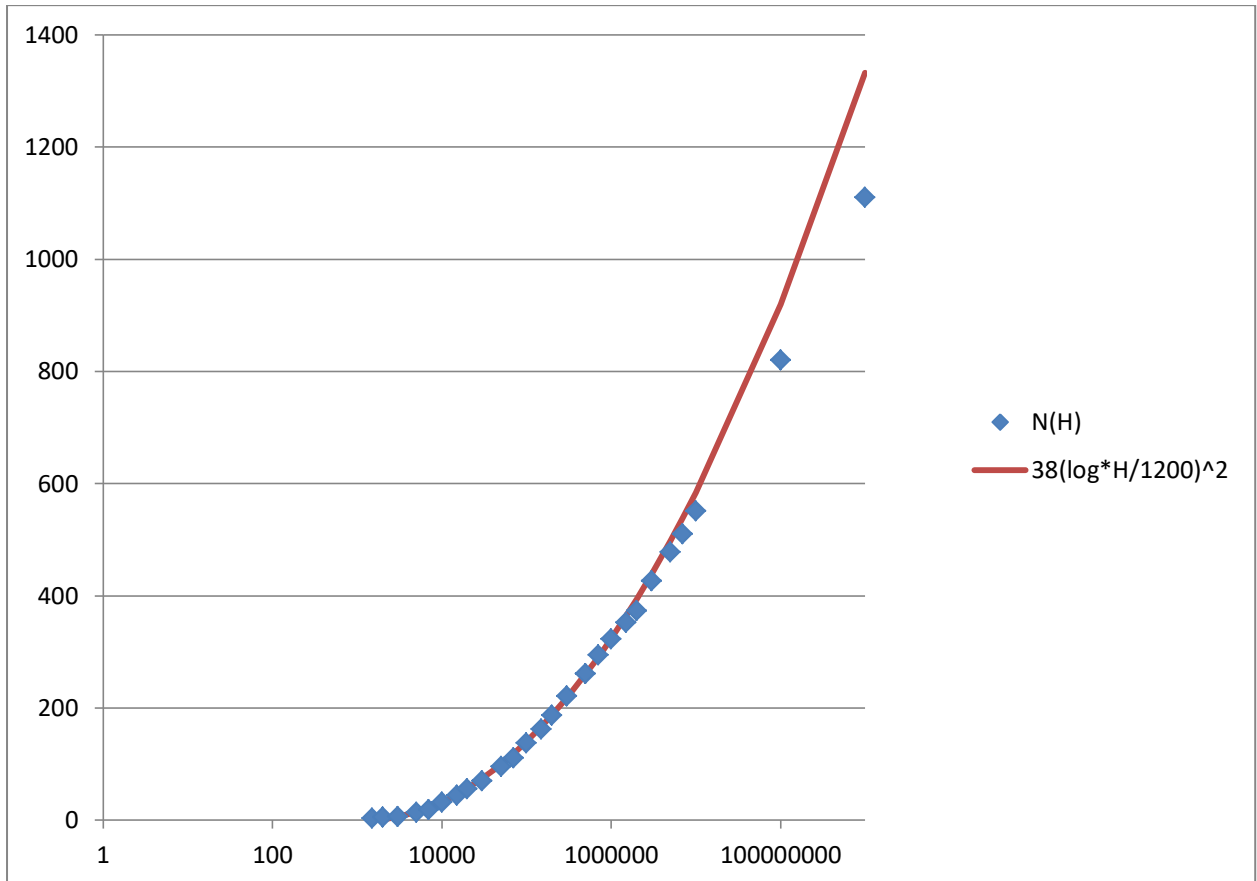
height	pairs	triples	quads	quins	sextuples
10	74	6			
15	194	16			
20	477	55			
30	1538	235	7		
50	5984	1142	52	1	
70	13957	2794	139	1	
100	34304	7245	404	4	
150	93712	20505	1179	12	
200	188469	41716	2395	22	
300	514683	113689	6274	49	
500	1729172	376596	20239	168	
700	3877695	830225	42397	358	
1000	9089069	1890965	90107	728	
1500	23499330	4722097	210859	1584	3
2000	46188859	8979016	357103	2640	5
3000	119402310	22112338	843958	5386	6
5000	389283749	67181121	2277217	12232	14

The counts can also be plotted on a log-log scale suggesting that the counts follow a power law up to quintuples

For sextuples the count up to a height of 5000 is insufficient to give an indication of their abundance but we can extend the plot using the count of known sextuples up to a height of 1 billion. Although the search is incomplete it is likely that the majority of sextuples with a height less than 1 million have been found. On this assumption the number of sextuples $N(H)$ below a given height H appears to follow a log-power law. More specifically the counts can be compared to

$$N(H) \approx 38 \left(\log_{10} \left(\frac{H}{1200} \right) \right)^2$$

Prospects for Septuples

The existence of three near septuples may be taken as an indication that rational Diophantine septuples are likely to exist. However these three examples are found at relatively low height and they appear to dry up in further searches. Furthermore, if the number of sextuples below a given height follows a log-power law rather than a power law then the chances of finding more examples on a purely probabilistic basis seems to be fading.

Nevertheless, there remains some hope that septuples can be found if there are families with some specific regularity structure which enhances their chances of appearing.

Acknowledgments

References

[1] T. L. Heath, Diophantus of Alexandria. "A Study in the History of Greek Algebra." (Cambridge, England, 1910), Martino Publishing, 2003, pp. 162-164, 177-181, 344-349

[2] P. Fermat, "Observations sur Diophante", Oeuvres de Fermat, Vol. 1 (P. Tannery, C. Henry, eds.), 1891, p. 303

[3] L. Euler, "Opuscula Analytica I", 1783, pp. 329-344

[4] P. Gibbs, "Some rational Diophantine sextuples", Glas. Mat. Ser. III 41 (2006), 195-203

[5] P. Gibbs, "A generalised Stern-Brocot tree from regular Diophantine quadruples", arXiv math.NT/9903035.

[6] A. Dujella, "Rational Diophantine sextuples with mixed signs", Proc. Japan Acad. Ser. A Math. Sci. 85 (2009), 27-30.

[7] P. Gibbs "1,3,8,120",

http://web.archive.org/web/20041122092231/http://www.weburbia.demon.co.uk/pg/diophant.htm

[8] A. Dujella, M. Kazalicki, M. Mikic, M. Szikszai, "There are infinitely many rational Diophantine sextuples", Int. Math. Res. Not. IMRN

[9] T. Piezas, Extending rational Diophantine triples to sextuples, http://mathoverflow.net/questions/233538/extending-rational-diophantine-triples-to-sextuples

[10] A. Dujella and M. Kazalicki, "More on Diophantine sextuples", in Number Theory - Diophantine problems, uniform distribution and applications, Festschrift in honour of Robert F. Tichy's 60th birthday (C. Elsholtz, P. Grabner, Eds.), Springer-Verlag, Berlin

[11] E. Herrmann, A. Pethoe and H. G. Zimmer, On Fermat's quadruple equations, Abh. Math. Sem. Univ. Hamburg 69 (1999), 283-291.

[12] A. Dujella, "Conjectures and results on the size and number of Diophantine tuples", Diophantine Analysis and Related Fields (DARF 2007/2008), AIP Conf. Proc. 976 (T. Komatsu, ed.), Amer. Inst. Phys., Melville, NY, 2008, pp. 58-61.

[13] J. Arkin, V. E. Hoggatt and E. G. Strauss, "On Euler's solution of a problem of Diophantus", Fibonacci Quart. 17 (1979), 333-339.

[14] A. Dujella, "On Diophantine quintuples", Acta Arith. 81 (1997), 69-79

[15] Philip E Gibbs, "Regular Rational Diophantine Sextuples", viXra:1609.0425 (2016)

[16] B. He, A. Togbé, V. Ziegler, "There is no Diophantine quintuple", arXiv:1610.04020

Annex A: Tables of Results

All known sextuples to a height of 10,000,000

```
(1)  96/847 287/484 1209/700 129/28 147/25 847/4 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(2)  221/1260 175/324 203/180 81/35 265/28 1120/9 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(3)  225/1156 47/60 287/240 225/64 1463/60 512/15 _____ (b,c,d,e) (b,e,f) (a,b,c,e,f)
(4)  39/1760 136/165 275/96 672/55 1010/33 1320 _____ (a,b,c) (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(5)  32/525 224/867 53/84 273/100 75/7 1953/100 _____ (a,c,d) (a,b,c,d,e) (a,c,e,f) (b,c,d,e,f)
(6)  377/1260 119/180 297/140 992/315 175/9 2275/4 _____ (a,b,d) (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(7)  5/36 665/1521 5/4 32/9 3213/676 189/4 _____ (a,c,d) (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(8)  256/2783 2829/3872 363/184 3627/736 2163/184 989/2 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(9)  56/465 1240/4107 175/93 792/155 3312/155 2635/3 _____ (a,b,c,e,f) (c,d,e,f)
(10) 925/4116 99/140 25/21 119/60 608/105 693/20 _____ (a,b,c,e) (b,d,e) (b,c,e,f) (a,c,d,e)
(11) 12/91 429/1372 160/91 1881/364 221/28 4116/13 _____ (a,b,c,d) (a,d,e) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(12) 171/1372 44/133 480/133 343/76 4257/532 3876/7 _____ (a,b,c,e) (b,d,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(13) 9/44 91/132 4420/3993 60/11 44/3 1265/12 _____ (a,b,c,d) (a,b,d,e) (a,b,c,e,f) (a,d,e,f)
(14) 9/140 220/343 4929/3500 4524/875 35/4 1428/5 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(15) 391/2640 1575/4048 3339/5060 2725/3036 1408/345 4301/60 _____ (a,b,d,e) (c,d,e) (a,c,d,e)
(16) 81/1400 104/525 5696/4725 98/27 2875/168 4928/3 _____ (b,c,d) (a,b,c,d,e) (a,b,d,e,f)
(17) 249/2048 3720/6241 715/384 369/128 38/3 920/3 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f) [a,b,c,d,e,f]
(18) 215/6864 128/429 1235/528 2457/176 781/39 6435/16 _____ (a,b,c) (a,b,d,e) (a,b,c,e,f) (b,d,e,f)
(19) 3/80 2220/6889 55/16 28/5 1683/80 1680 _____ (a,c,d) (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(20) 33/152 7360/5491 4275/2312 1209/152 19/2 1920/19 _____ (a,b,c,e) (b,c,d,f) (a,d,e,f) [a,b,c,d,e,f]
(21) 11/152 2139/7448 1368/2401 2958/931 392/19 969/8 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(22) 225/1856 475/1392 512/435 667/240 7749/580 1363/60 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (c,e,f) (a,c,d,e,f) <<a,f|c,d>>
(23) 1147/5040 243/560 95/112 196/45 7820/567 1100/63 _____ (a,b,c,d) (a,c,d,e) (b,c,d,f) (a,b,d,e,f)
(24) 6/125 1144/1445 483/160 56/5 375/32 8184/5 _____ (a,b,c,e,f) (c,d,e,f)
(25) 65/648 5301/2560 8192/3645 185/32 3905/162 2709/40 _____ (a,b,c,d,f) (a,c,e,f)
(26) 81/560 196/135 285/112 1100/189 7820/189 8463/80 _____ (a,b,c,d,e) (b,c,d,f) (a,b,e,f)
(27) 559/1980 639/880 1024/495 1071/220 8671/880 3025/36 _____ (a,c,d) (b,d,e) (a,b,c,d,f) (b,c,e,f) (a,d,e,f)
(28) 99/532 76/343 2080/1197 1273/252 1372/171 8721/28 _____ (a,b,c,d) (a,d,e) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(29) 957/7840 3840/5329 426/245 1813/160 1640/49 8745/32 _____ (a,c,d,e) (a,b,c,d,f) (a,d,e,f)
(30) 1860/9317 115/308 28/55 777/220 396/35 825/28 _____ (a,b,c,d) (b,c,d,e) (b,c,e,f) (a,c,d,e)
(31) 1147/3360 3471/8680 768/1085 525/248 9425/1302 2821/120 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(32) 2324/9801 243/484 20/9 5600/1089 4235/324 155/4 _____ (a,b,d,e) (b,c,d,f) (a,b,c,e,f)
(33) 2077/4104 4160/6897 135/152 10285/4104 9367/2904 38/3 _____ (a,d) (a,c,d,f) (a,b,e,f) (b,c,d,e,f)
(34) 256/2601 2619/9248 395/288 35/8 3179/288 10395/578 _____ (a,b,c,d) (c,d,e) (a,b,e,f) (a,c,d,e,f)
(35) 1199/4200 128/231 378/275 7429/1848 11125/1848 4851/200 _____ (a,c,d) (a,b,c,e) (d,e) (b,c,d,f) (a,c,e,f) (a,b,d,e,f)
(36) 76/1029 5236/11163 420/169 2044/507 370/21 5280/7 _____ (a,b,c,e,f) (c,d,e,f)
```

(37) 189/800 8/9 378/289 608/225 325/32 11528/225 _____ (a,b,d,e) (a,b,c,e,f) (a,d,e,f)
(38) 2310/9409 141/88 11704/5547 200/33 341/24 6552/11 _____ (b,d,e) (a,b,c,d,e) (b,d,e,f)
(39) 85/1716 3483/2860 2299/780 7136/2145 12727/540 2080/33 _____ (a,b,d) (b,c,d,f) (a,b,c,e,f) (a,d,e,f)
(40) 3/200 3016/12769 6027/5000 2024/625 3003/8 6600 _____ (a,c,d) (a,b,c,e,f) (c,d,e,f)
(41) 1224/12943 152/357 2665/2856 1519/408 4505/168 3906/17 _____ (b,c,d) (a,b,c,d,e) (b,d,e,f)
(42) 21/136 13376/11475 7375/3672 2112/425 357/50 12597/200 _____ (b,c,d,f) (a,b,c,e,f)
(43) 308/5625 3807/13924 4148/4761 14663/2116 623/36 468 _____ (a,b,d,e,f) (c,d,e,f)
(44) 32/405 205/324 2080/729 14805/3364 153/20 77/5 _____ (a,b,c,e) (a,b,e,f) (a,c,d,e,f)
(45) 255/1232 7579/15120 861/880 4444/945 4480/297 3300/7 _____ (a,b,c,d) (a,c,d,e) (a,b,c,e)
(46) 3/200 174/169 27/8 136/25 16275/1352 200 _____ (a,c,d) (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(47) 77/380 57/55 1632/1045 957/380 893/220 16800/209 _____ (a,c,e) (a,b,d,e,f) (c,d,e,f)
(48) 35/1488 341/768 11439/5776 1280/93 16835/93 9207/16 _____ (a,b,c,d,e) (a,d,e,f)
(49) 1080/11881 1495/1152 4239/2048 17719/4608 62/9 56 _____ (b,c,d,f) (a,b,d,e,f)
(50) 32/297 497/3300 583/75 1625/132 18377/1188 9801/100 _____ (a,b,c,d) (a,d,e) (b,c,d,f) (a,c,e,f) (a,b,d,e,f)
(51) 15/1148 1536/1435 10175/4592 3157/320 18837/820 4305/16 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(52) 293/4116 3059/19200 10373/8400 2304/175 3231/112 875/12 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(53) 15/5488 7843/14000 105/16 528/35 19227/875 1904/5 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(54) 930/19321 56/93 1131/248 6721/744 840/31 13640/3 _____ (b,c,d) (a,b,c,d,f) (c,d,e,f)
(55) 6292/19881 680/1287 740/143 1026/143 1196/99 16588/9 _____ (c,d) (b,d,e) (a,b,c,d,e) (c,d,e,f)
(56) 6496/19965 35/33 215/132 209/60 1953/220 1683/20 _____ (a,b,c,e) (b,d,e) (a,b,c,d,f) (b,c,e,f)
(57) 1591/10920 7189/17280 217/390 2025/728 20405/2808 1664/105 _____ (a,c,d) (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(58) 75/656 3567/5120 1155/656 768/205 20503/3280 943/5 _____ (a,b,c,e) (a,d,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(59) 247/2784 435/608 152/87 3360/551 22490/1653 11832/19 _____ (a,b,c,d) (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(60) 17/448 2352/7921 265/448 2145/448 252 23460/7 _____ (a,b,c,e,f) (c,d,e,f)
(61) 748/4563 2511/11492 128/51 11165/1836 85/12 23660/51 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(62) 33/140 287/660 1525/924 441/55 3575/84 24288/35 _____ (b,c,d,e) (a,b,c,d,f) (b,d,e,f)
(63) 2376/24367 208/693 391/77 7560/1331 1760/63 5635/99 _____ (b,c,d,f) (c,e,f) (a,b,c,e,f)
(64) 3069/6724 24101/26244 2144/2025 1325/324 3825/529 704/25 _____ (b,c,d,f) (a,b,c,e)
(65) 264/2023 867/2744 83/56 26432/11449 6552/289 1218 _____ (a,b,c,d,e) (a,b,c,e,f)
(66) 43/324 5760/12769 1147/1296 9243/6724 26752/6561 187/16 _____ (a,b,c,d,f) (a,c,e,f)
(67) 585/27556 6789/15028 27520/17797 165/52 224/13 741 _____ (a,b,d,e,f) (a,c,d,e,f)
(68) 231/2080 256/455 65/56 1995/416 28509/1120 8715/26 _____ (a,b,c,d) (b,c,d,e) (a,b,c,e,f) (b,d,e,f)
(69) 549/4900 6272/28227 23375/28812 323/147 741/100 1056/25 _____ (a,c,d,e) (b,c,d,e,f)
(70) 2232/27455 209/1440 742/855 15200/2601 28971/3040 1312/95 _____ (a,b,d,e) (a,c,d,f) (b,c,d,e)
(71) 13/160 30525/30056 165/104 117/40 18837/2890 1280/13 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(72) 57/1540 55/28 224/55 1071/220 5133/385 30855/28 _____ (a,b,c) (a,b,c,e) (b,d,e) (a,b,c,d,f) (c,d,e,f)
(73) 256/819 4329/5600 875/936 31133/18200 20213/1638 10647/200 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(74) 4/35 495/1372 18139/31500 26884/7875 140/9 3213/20 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(75) 13/55 3267/5780 725/396 2752/495 2387/180 31968/55 _____ (a,b,c,d,f) (c,d,e,f)
(76) 3692/32805 5832/18605 220/81 970/81 212/5 28152/5 _____ (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(77) 57/2960 52/185 6205/592 1221/80 33300/841 8580/37 _____ (a,b,c,d) (b,c,d,f) (a,b,d,e,f)
(78) 1525/33396 299/2700 28/69 14725/2484 6804/575 299/12 _____ (b,c,d,e) (a,b,c,e,f)

(79) 403/3780 4672/29295 6900/10633 2715/868 2268/155 34069/540 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(80) 153/4180 247/495 55/76 34528/9405 21175/684 21888/55 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(81) 220/3213 98/255 580/357 1836/35 34720/459 34408/105 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f)
(82) 2431/15500 5152/22165 372/715 25707/8060 1716/155 34875/572 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(83) 17/120 728/2295 122/255 1325/408 5643/680 35224/15 _____ (a,b,c,d) (a,c,d,e) (a,b,d,e,f)
(84) 8241/35000 322/675 3904/4725 249/56 35525/1944 18225/56 _____ (a,b,c,d) (b,c,d,e) (a,b,c,e,f)
(85) 1147/14196 63/484 1312/2541 483/169 36421/2028 1521/28 _____ (a,b,c,d) (a,b,c,e,f) (a,d,e,f) (b,c,d,e,f) <<b,c|e,f>>
(86) 132/2023 35685/32368 37632/17161 1445/112 880/7 3507/16 _____ (a,b,c,d,f) (a,b,e,f) (d,e,f)
(87) 171/1100 10400/30723 748/1425 37873/11172 1881/196 14700/209 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(88) 1147/5040 243/560 95/112 38269/6480 7820/567 1100/63 _____ (a,b,d,e) (a,c,d,f)
(89) 693/1520 5525/6384 969/560 39900/10201 988/105 9856/285 _____ (a,b,c,e) (a,b,c,d,f) (a,b,e,f)
(90) 759/2450 64/147 14896/18723 39904/3675 402/25 1625/6 _____ (b,d,e) (a,b,c,e,f) (a,d,e,f)
(91) 232/1875 150/529 209/96 40672/1587 24864/625 3675/32 _____ (a,b,d,e) (b,c,d,f) (a,c,e,f) (a,b,c,e,f) [a,b,c,d,e,f]
(92) 2139/7252 1764/4477 1332/2401 3589/1452 41548/5439 8833/444 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(93) 27720/44521 1035/1408 27863/30720 296/165 14105/4224 286/15 _____ (b,c,e,f) (a,c,d,e,f)
(94) 15/364 28083/45500 1716/1715 3796/875 273/20 2380/13 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(95) 55/372 8928/11449 799/372 427/93 2880/31 46345/12 _____ (a,c) (a,c,d) (a,b,c,d,f) (c,d,e,f)
(96) 793/12320 6919/14560 735/286 33792/11375 40803/5720 49335/896 _____ (a,b,c) (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(97) 899/10080 135/896 171/70 385/72 1135/56 50176/45 _____ (a,b,c,d) (a,c,d,e) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(98) 25/456 184/285 8866/2565 1007/120 1512/95 51623/1080 _____ (a,b,c,d) (a,b,d,e) (a,c,e,f) (a,b,d,e,f)
(99) 8/51 9765/49096 333/136 52360/6627 3213/8 3910/3 _____ (a,b,c,d,e) (a,c,e,f)
(100) 697/15004 4329/52700 2976/2057 49749/13175 2057/124 3999/68 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(101) 2261/37752 29/78 989/1248 52793/24576 819/8 30447/104 _____ (b,c,e,f) [a,b,c,d,e,f]
(102) 158/13125 133/600 200/189 53053/15000 297/56 56/3 _____ (a,b,c,d) (a,b,c,e,f) (a,d,e,f) (b,c,d,e,f) <<b,c|e,f>>
(103) 851/2520 35775/53816 4536/4805 917/360 1768/315 950/63 _____ (a,b,c,e) (a,d,e) (b,c,d,f) (a,c,d,e,f)
(104) 1452/7889 69/308 6240/1771 748/161 54739/7084 23667/44 _____ (a,b,c,e) (b,d,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(105) 1274/15987 28305/57344 5995/10752 735/512 152/21 288/7 _____ (b,c,d,e) (a,b,c,e,f) (c,d,e,f)
(106) 175/12168 25/56 4158/4805 376/315 57664/315 28539/40 _____ (b,d,e,f) (a,c,d,e,f)
(107) 1695/23276 3/11 143/108 59840/14283 1335/44 29536/297 _____ (a,b,c,d) (b,c,e,f) (a,d,e,f) [a,b,c,d,e,f]
(108) 1700/19881 2132/5625 108/25 158/25 572/9 63800/9 _____ (c,d) (b,c,d,e) (a,b,c,d,f) (c,d,e,f)
(109) 37/540 1107/740 4081/2220 800/111 19040/999 63973/60 _____ (b,c,d) (a,b,d,e) (a,b,c,d,f) (c,d,e,f)
(110) 99/2800 10500/5329 52/21 65593/8400 357/16 44772/25 _____ (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(111) 85/1248 507/544 1071/416 5320/663 3870/221 66304/663 _____ (a,b,c,d) (a,b,d,e) (b,c,d,f) (a,b,c,e,f)
(112) 33/280 77/270 384/385 9275/2376 70499/7560 2625/88 _____ (a,b,c,d) (c,d,e) (b,c,e,f) (a,c,d,e,f) [abcf = 1]
(113) 6525/54872 238/285 209/120 2368/285 2925/152 70889/120 _____ (a,b,d,e) (a,b,c,d,f) (b,d,e,f)
(114) 17/1110 8897/17760 3145/3456 3445/888 5120/111 72927/160 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(115) 627/3584 20480/73101 267/224 1519/384 1105/168 555/14 _____ (a,b,c,d,f) (a,d,e,f)
(116) 17/120 2088/12005 50/147 5499/1960 833/120 73800/361 _____ (a,b,c,d) (a,c,d,e) (a,b,d,e,f)
(117) 1184/33033 5285/26364 3185/1452 76320/15379 2783/273 1989/28 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(118) 65/408 85/78 1408/663 18445/4992 37323/2176 79443/136 _____ (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(119) 252/11881 24115/80656 35/16 37884/5041 24060/961 627/16 _____ (b,c,d,f) (a,c,d,e,f)
(120) 184/273 1521/896 38465/19968 760/273 1870/273 82467/1664 _____ (a,d,e) (a,b,c,d,e) (b,c,d,f) (a,b,e,f)

```
(121) 135/1696 8480/12321 83160/72557 1246/477 928/53 36835/288 _____ (b,c,d,e) (a,b,d,e,f)
(122) 171/9604 1375/2793 1312/1425 3475/228 84249/3724 8379/100 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(123) 140/1479 85/348 17748/18769 30485/5916 1827/68 85527/116 _____ (a,b,c,d,e) (a,b,c,e,f) [a,b,c,e]
(124) 3335/40344 17856/85805 33/40 45/8 70/3 59059/120 _____ (a,b,c,d,e) (c,d,e,f)
(125) 20075/74892 179/300 86625/27556 1316/75 299/12 836/3 _____ (b,d,e)
(126) 145/572 1173/2860 50820/89557 132/65 364/55 1365/44 _____ (a,b,d,e) (a,d,e,f) (b,c,d,e,f)
(127) 837/11200 5373/11200 14875/9216 259/100 17917/1008 90112/3087 _____ (a,b,d) (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(128) 19228/50575 96/161 25725/26588 11868/8575 90739/16100 21675/644 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(129) 147/24700 29667/48412 16549/4900 91575/12103 416/19 24225/52 _____ (a,b,c,d) (a,c,d,e) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(130) 6656/17457 847/624 855/572 377/132 3315/704 91805/1716 _____ (a,b,c,d,f) (b,c,e,f)
(131) 5952/47311 16031/30008 2057/1426 87360/12121 86241/5704 91977/136 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(132) 44268/96721 875/972 24893/18900 2324/675 159/28 4884/175 _____ (b,c,d,f) (a,b,c,e,f)
(133) 8/27 19/24 2318/1875 297/200 98371/15000 200/3 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(134) 24/539 220/289 6468/5041 40/11 7332/539 98670/2401 _____ (a,b,c,d,f) (a,d,e,f)
(135) 136/585 1215/1768 4199/3240 3520/1989 98696/6885 910/17 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(136) 7/120 3480/10201 10600/11163 99138/17405 429/40 1064/15 _____ (a,b,c,e,f) (a,c,d,e,f)
(137) 3213/99944 1729/1800 4664/2925 56/13 21573/2600 650/9 _____ (a,b,c,d,f) (b,c,e,f)
(138) 6300/100489 876/4805 111/80 231/80 76/5 4515/16 _____ (a,b,c,d,e) (c,d,e,f)
(139) 2009/100820 416/2205 4301/2205 12685/1764 4165/36 1485/4 _____ (b,c,e,f) (a,b,d,e)
(140) 20/273 8217/45500 3861/6860 101956/34125 364/15 5355/52 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(141) 957/104188 39809/74892 3445/924 595/132 357/11 15840/7 _____ (a,b,c,e,f) (c,d,e,f)
(142) 85/696 58/147 7337/1176 6517/696 360/29 106560/1421 _____ (a,b,c,e) (a,d,e) (a,b,c,d,f) (a,c,e,f)
(143) 2337/108416 1443/17024 7168/2299 3381/608 817/56 2541/38 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(144) 177/544 1400/1003 102/59 109032/28577 6840/1003 54315/1888 _____ (b,c,e) (a,b,c,d,f) (a,b,e,f)
(145) 4048/28125 97000/109503 189/115 419/115 7000/207 39928/45 _____ (c,d) (b,c,d,e) (a,b,c,d,f) (c,d,e,f)
(146) 8827/69696 1600/1089 3267/1600 427/100 112347/12100 2368/9 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f)
(147) 16/275 179/1859 561/400 112875/29744 144/11 825/16 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(148) 154/1593 1480/1593 2679/1888 4960/1593 885/32 114696/1681 _____ (a,b,d) (b,c,d,e) (a,b,c,e,f)
(149) 6475/112632 85176/66785 46569/19240 1768/555 116095/11544 4440/13 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(150) 1351/18768 3312/34391 511/1173 117819/43792 37927/336 17136/23 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(151) 1000/2499 67032/122825 153/200 5678/3675 102856/14739 11123/408 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(152) 8845/127008 8/49 13640/3969 1274/81 765/32 72 _____ (b,c,d,f) (a,c,e,f) (a,b,d,e,f)
(153) 1/10 109725/131072 5280/1681 2485/512 31521/2560 288/5 _____ (a,b,d,e) (a,b,c,e,f) (a,d,e,f)
(154) 108/595 820/1071 133280/71289 3618/595 1960/153 9724/35 _____ (a,b,c,d,f) (b,d,e,f)
(155) 6475/133956 187/900 2772/6889 868/225 27/4 100 _____ (b,d,e) (a,b,d,e,f) (b,c,d,e,f)
(156) 43/1700 130272/134657 1743/425 51/4 29667/1700 14875/4 _____ (a,b,c,d,f) (c,d,e,f)
(157) 56/473 33453/94600 6750/3311 3784/1575 134849/21672 62909/1800 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(158) 6580/145119 145/624 1393/624 8944/867 252/13 1287/16 _____ (b,c) (b,c,e,f)
(159) 1767/14560 7161/13000 146073/112840 3328/1085 75999/4030 11375/248 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(160) 780/19321 107/1500 11935/4332 146372/9375 4284/125 1005/4 _____ (a,b,c,e,f) (b,d,e,f) [a,b,c,d,e,f]
(161) 23616/148837 2223/3136 4048/1911 13/3 4851/832 7696/147 _____ (b,c,e,f) (a,b,d,e,f)
(162) 125/308 3741/7700 343/275 1056/175 148896/8575 759/28 _____ (a,b,c,d) (a,b,d,e) (a,c,d,f) (a,b,c,e,f)
```

```
(163) 396/2405 5735/26364 4896/2405 155527/28860 1295/156 43940/111 _____ (a,b,c,d) (a,d,e) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(164) 77/360 755/792 90155/64152 28475/10648 567/110 155584/3645 _____ (b,c,e,f) (a,b,d,e,f)
(165) 357/10400 31122/156025 264/325 1001/800 2125/416 456/13 _____ (a,c,d,e) (c,d,e,f) [b,c,d,f]
(166) 1184/52065 4225/28836 90944/52065 7209/260 160225/3204 8989/65 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(167) 16560/161051 1456/3795 285/506 1472/165 1155/46 8602/15 _____ (b,c,d,e) (a,b,c,e,f) (c,d,e,f)
(168) 7030/79707 2013/1480 164169/67240 2408/555 1295/24 51480/37 _____ (a,b,c,d,f) (b,d,e,f)
(169) 3136/164775 259/975 2625/832 5217/832 832/75 6981/64 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(170) 18676/75615 111600/170723 434/435 1180/609 1848/145 4524/35 _____ (b,c,d,e) (a,b,c,e,f) (c,d,e,f)
(171) 536/1827 98/261 143964/170723 40716/35287 1148/261 1276/7 _____ (a,b,c,e) (a,b,d,e,f) (b,c,d,e,f)
(172) 18/91 31465/90168 320/273 403/168 175680/26299 637/24 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(173) 3108/177419 4004/9747 604/297 3604/297 552/11 5082 _____ (a,b,c,e,f) (c,d,e,f)
(174) 19/416 16055/25088 179193/126464 61440/12103 79365/2432 14994/247 _____ (a,b,c,d) (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(175) 11/192 35/192 155/27 512/27 1235/48 180873/16 _____ (a,b,d,e) (a,b,c,d,f) (c,d,e,f)
(176) 1568/23595 10285/9828 12025/10164 1568/195 185725/9828 24219/35 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(177) 47320/186003 2712/4459 13283/19656 570/91 53669/2808 3003/8 _____ (a,b,c,d,f) (c,d,e,f)
(178) 125/1092 441/1300 2717/525 5408/525 1632/91 187829/1092 _____ (a,b,c,d) (a,b,d,e) (a,b,c,d,f) (b,c,e,f)
(179) 165/592 104481/189440 2975/1776 3515/1587 1792/555 1591/240 _____ (a,b,c,f) (b,c,d,e,f)
(180) 2745/41876 150176/190269 4928/2349 1305/361 128945/9396 493/4 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(181) 425/1092 43953/39605 441/260 480/91 7657/420 191840/273 _____ (a,b,c,d,e) (c,d,e,f)
(182) 13/105 425/1092 441/260 480/91 7657/420 191840/273 _____ (a,b,c,d) (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(183) 1521/28072 10304/14703 76096/61347 194769/39208 5203/696 261/2 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(184) 102/1225 72912/196249 49/50 26128/1225 4125/98 3648 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(185) 10647/196520 74965/160888 42240/20111 5457/1120 164703/28730 595/8 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(186) 200/3003 1209/3080 6061/10920 1694/195 197025/8008 2184/55 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(187) 8832/37303 525/968 712/847 2299/1400 197925/42632 504/25 _____ (a,b,c,e) (a,b,c,d,f) (a,d,e,f) (b,c,d,e,f) <<b,c|d,f>>
(188) 41184/208537 69/217 1023/1372 343/124 6201/868 1271/28 _____ (a,b,d,e) (b,d,e,f) (a,c,d,e,f)
(189) 23/572 5280/36517 3245/8788 2016/143 211497/11236 975/11 _____ (a,b,d,e) (a,c,d,e,f)
(190) 297/1325 689/1764 6517/5300 65637/10388 167872/11925 212000/441 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(191) 3/55 2277/19220 224/165 2223/220 275/12 218816/165 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(192) 70725/220448 741/800 350/243 24648/15625 6944/2187 189/32 _____ (b,c,d,e,f)
(193) 5600/65559 321/1820 1356/455 1924/105 220864/195 52325/12 _____ (a,b,c,d,f) (b,c,e,f)
(194) 1216/224287 17472/49729 33/56 2001/56 426/7 1519/8 _____ (a,b,c,e,f) (d,e,f) (a,c,d,e,f)
(195) 1/100 89001/163216 201/100 225225/40804 425/16 384 _____ (a,c) (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(196) 2409/20672 87040/226347 155155/62016 969/176 92115/14212 78793/204 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(197) 34071/229276 2976/13225 219/775 231/124 2375/124 1984/25 _____ (a,b,c,e,f) (c,d,e,f)
(198) 78208/229635 17248/47385 279/455 247/140 23075/2268 8415/364 _____ (a,b,e,f) (b,c,d,e,f)
(199) 27/1856 21420/229709 2065/5568 116/3 23693/192 12880/87 _____ (a,c,e,f) (a,b,d,e,f)
(200) 39/1120 19055/210392 385/104 237069/37570 273/40 3840/91 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(201) 65/1764 13/20 1440/637 3724/585 239481/12740 1980/13 _____ (a,b,c,d) (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(202) 14993/93288 51336/230347 136045/32712 150552/31349 244615/25944 54520/69 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(203) 160/4107 236/4335 18040/30603 248216/20535 828/5 630 _____ (a,b,c,e,f) (a,d,e,f)
(204) 164/507 1955/1452 252/121 148044/63001 253700/61347 41745/676 _____ (a,b,c,d,f) (b,c,e,f)
```

```
(205) 147/640 865/3584 190920/255367 488/35 22185/896 1974/5 _____ (a,b,d,e) (a,b,c,d,f) (a,d,e,f)
(206) 220/13689 805/2916 17649/12500 44/5 801/20 261324/125 _____ (a,b,c,d,e) (a,b,d,e,f) (c,d,e,f)
(207) 221/3045 725/1092 6048/1885 7007/1740 262105/31668 41760/91 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(208) 288/29435 18920/6727 128/35 262392/18515 195/7 47775/841 _____ (a,c,e,f) (a,b,d,e,f)
(209) 476/4107 30084/76313 118/51 171864/23273 266084/23763 456/17 _____ (a,c,d,f) [a,b,c,d,e,f]
(210) 172/18879 37789/104748 267003/58996 76908/9331 46053/3596 25172/129 _____ (a,b,c,d) (a,b,d,e) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(211) 704/13005 35/72 13115/20808 2023/1000 267007/104040 54/5 _____ (a,b,e) (a,b,c,d,f) (b,c,e,f) (a,d,e,f)
(212) 2024/75615 279/440 376/165 278425/31944 4032/55 23023/120 _____ (b,c,d,e) (a,b,c,d,f)
(213) 288/715 2522/4125 121220/175071 1260/143 280364/2145 1716/5 _____ (a,b,c,d,f) (a,b,e,f)
(214) 384/1805 100815/283024 575/784 899/980 339/80 4851/20 _____ (a,b,d,e) (c,d,e) (a,c,d,e,f)
(215) 4128/46529 9243/77924 27467/31556 19941/3388 289567/19481 23667/1156 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(216) 280/1581 145080/291737 93/136 170/93 1683/248 26488/1581 _____ (a,c,d,e) (a,c,e,f) (b,c,d,e)
(217) 8463/106480 903/880 108/55 293040/121801 80/11 1265/16 _____ (a,b,c,e) (b,c,e,f) (a,c,d,e)
(218) 1813/130680 782/945 4800/847 293825/36504 177144/5915 49005/56 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(219) 66759/299000 11063/34680 360/299 285000/86411 41041/2760 16744/375 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(220) 609/1840 92/145 660/667 725/368 299061/53360 8832/145 _____ (a,b,c,e) (b,d,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(221) 57232/310249 1161/4802 54/49 76912/21609 245/18 1312/9 _____ (b,c,d,e) (a,b,d,e,f)
(222) 2760/134689 4836/31205 8/15 314160/54289 306/5 520/3 _____ (a,b,c,e,f) (a,c,d,e,f)
(223) 13731/318500 715/9604 36/65 218436/79625 663/20 980/13 _____ (a,b,c,d) (a,b,c,e,f) (a,d,e,f) (b,c,d,e,f) <<b,c|e,f>>
(224) 1581/15092 7161/19652 49647/40579 28896/5797 321233/14756 42449/868 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(225) 19404/103247 96/253 9204/12397 1748/539 286/23 323748/539 _____ (b,c,d,e) (a,b,c,e,f)
(226) 3/16 16995/18496 52577/49152 305/147 326585/55488 3072/49 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(227) 589/9240 600/1463 18821/15960 1064/165 326745/11704 5082/95 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(228) 78/475 264/247 133/104 832/475 327543/49400 7125/104 _____ (a,b,c,e) (c,d,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(229) 104/1035 40/207 10465/5832 38947/8280 322/5 333963/920 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) [a,b,c,e]
(230) 45/2288 66924/345845 460/429 1573/240 30044/2145 49203/1040 _____ (a,c,d,e) (a,b,c,e,f) (a,d,e,f)
(231) 9/140 47/105 347072/176505 608/105 121275/6724 1225/12 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(232) 5148/17405 28/45 56925/47524 347913/255380 352/45 725/4 _____ (a,b,c,e,f)
(233) 13728/354571 123/1036 60384/65863 8723/1036 441/37 2479/28 _____ (a,b,d,e) (b,d,e,f) (a,c,d,e,f)
(234) 1925/11232 8195/34944 5120/3003 356983/43680 262769/9240 31941/110 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(235) 899/40960 172032/361805 335/128 411/40 4179/160 5775/2 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(236) 299/1320 328811/381480 121/120 2304/1375 21483/2890 46375/1056 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(237) 12870/71407 2679/4480 114513/40960 382075/57344 888/35 1960 _____ (b,c,d) (c,d,e,f) [a,b,c,d,e,f]
(238) 261/2480 279/580 20608/13485 40832/11625 388161/17980 73625/1392 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(239) 26125/390728 507/760 41664/27455 76296/16055 164217/11560 11096/125 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(240) 35360/390963 5415/19652 1241/1083 301/204 164151/24548 255/4 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(241) 21/352 237/352 398090/236883 280/33 1573/96 4680/11 _____ (a,b,d,e) (a,b,c,d,f) (b,d,e,f)
(242) 3/13 41067/128164 805/1404 401632/255879 1105/108 21280/351 _____ (a,b,c,d,e) (c,d,e,f)
(243) 13/132 100188/196249 24180/15059 316/33 403535/16428 69615/44 _____ (a,b,c,d,f) (c,d,e,f)
(244) 9/140 98685/149212 143/105 410816/79935 608/105 1225/12 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(245) 9/280 22725/298424 286/105 410872/79935 1216/105 1225/24 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(246) 65455/411864 103/96 275575/185856 2445/968 213/8 252343/726 _____ (b,c,d,e) (b,d,e,f) [a,b,c,d,e,f]
```

(247) 779/3872 768/2299 2451/1568 6240/931 412233/29792 11858/19 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(248) 33/340 20445/78608 85/64 417417/98260 512/85 765/16 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(249) 53/195 118976/333015 833/780 48375/27508 418817/19500 1287/20 _____ (a,b,c,d,e) (a,c,e,f)
(250) 833/48000 31744/36015 99/40 422739/49000 145673/1470 23125/96 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(251) 6/65 68103/437320 616/65 10920/841 1955/104 975/8 _____ (a,b,d,e) (b,c,d,f) (a,c,e,f) [a,b,c,d,e,f]
(252) 1463/9720 575/1848 275275/450456 1118/1155 1512/55 63800/21 _____ (a,b,c,e,f) (a,b,d,e,f)
(253) 7875/73984 149248/455175 37/28 256291/57600 26299/2304 52992/175 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(254) 13/99 21105/123596 80960/114921 11/4 513/44 455840/7569 _____ (a,b,c,d,e) (a,c,d,e,f)
(255) 31/242 1071/3872 999/968 457191/55112 847/72 512/9 _____ (a,b,d,e,f)
(256) 183/3520 87/220 825/1156 512/55 464448/15895 3025/64 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(257) 13365/464648 13/72 57794/42849 129920/62001 11480/4761 85/8 _____ (a,b,c,d,f) (b,c,e,f)
(258) 31/858 2992/28431 560/429 471328/48387 702/11 2717/6 _____ (a,b,c,e,f) (a,b,d,e,f)
(259) 160/861 615/1372 239136/482447 382571/95052 945/164 46189/3444 _____ (a,c,e,f) (b,c,d,e)
(260) 57/2300 2148/21413 1564/475 499875/85652 4900/437 11799/196 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(261) 5152/64395 9275/22356 5773/3180 47275/3657 526473/24380 193185/92 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(262) 289/1500 18615/58564 67971/41140 160/51 527072/30855 4719/85 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(263) 9331/71280 329344/539055 22100/27621 18225/5456 441189/27280 5324/155 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (d,e,f) (a,b,d,e,f) <<a,f|b,d>>
(264) 35/1976 13455/43928 28392/6859 545160/71383 817/104 1368/13 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(265) 121/1710 62928/561055 315/418 247950/49379 1520/99 41888/855 _____ (a,b,c,d,e) (a,b,c,e,f) (a,c,d,e,f) <<a,c,e>>
(266) 221/11760 42532/563295 7296/4165 65300/2499 1275/16 489951/1360 _____ (a,b,c,d,e) (a,b,c,e,f) (a,d,e,f)
(267) 9405/380324 31212/80605 480/329 64484/4335 568051/19740 10105/84 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(268) 5565/42436 3808/22707 175/108 568480/137781 39/7 478515/23548 _____ (b,c,e,f) (a,c,d,e,f)
(269) 51/520 104/125 19182/10985 375/104 570059/87880 936/5 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(270) 6966/54587 2584/4563 69377/65664 582001/124032 5792/969 54587/384 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(271) 31808/583899 55/408 527/216 405/136 2240/459 119/6 _____ (b,c,e) (a,b,c,d,f) (b,c,d,e,f)
(272) 4851/175232 75392/585669 49/24 4653/896 128/21 2431/42 _____ (a,b,d,e,f)
(273) 17/140 153/140 113183/98260 147/85 590400/34391 4800/119 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(274) 40128/600635 143/840 18200/57963 147/40 200/21 6882/35 _____ (a,b,c,d,e) (a,b,d,e,f) (b,c,d,e,f) <<b,d,e>>
(275) 6417/614656 495/1472 1421/1104 533/69 23851/768 47104/147 _____ (b,c,d,e) (a,c,d,e,f)
(276) 26961/116480 12544/30745 50589/44720 38025/13244 620425/52976 83721/1820 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(277) 13568/52785 215025/331568 18699/18020 585225/312064 622081/114480 388861/9180 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(278) 205/768 296496/623045 1659/1280 22971/5120 272/15 60 _____ (a,c,d,e) (a,c,e,f) (a,b,c,e,f)
(279) 63/2200 99/56 1496/525 134734/39039 627725/44616 4200/11 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(280) 9/260 2345/9477 288288/630125 65/4 239776/5265 234080/1053 _____ (a,b,c,d,e) (a,d,e,f)
(281) 97405/632736 2035/6552 5888/5005 5525/1386 99603/22880 17199/440 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(282) 4081/223200 91791/199712 62/9 608/31 10472/279 632808/31 _____ (a,b,c,d,f) (c,d,e,f) [b,c,e,f]
(283) 1767/22201 32/31 633795/586756 651/484 205/124 3885/124 _____ (a,b,d,e,f) (b,c,d,e,f)
(284) 38571/638428 61152/185761 173/189 3479/972 12617/756 1824/7 _____ (c,d,e,f) [a,b,c,d,e,f]
(285) 5/28 169389/638428 12480/11767 147/64 27195/2116 493/28 _____ (a,b,c,d,f) (a,c,d,e,f)
(286) 188/429 33264/36517 476/429 134685/36608 13585/768 641355/4096 _____ (a,c,d,e) (a,b,c,d,f) (a,d,e,f)
(287) 2599/51840 76950/657721 315/128 128/5 21879/640 31328/405 _____ (a,c,e,f) (a,b,d,e,f)
(288) 1219/16680 33544/110505 66025/103032 657800/198909 125656/7155 77274/695 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>

```
(289) 145860/668233 215/388 84/97 99231/40804 1495/388 3492 _____ (b,c,e) (a,b,d,e,f)
(290) 15457/58443 329120/686343 23667/14036 9120/4669 22765/1932 2001/28 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(291) 25900/690561 216/185 4004/1665 518/45 7344/185 166600/37 _____ (a,b,c,d,f) (c,d,e,f)
(292) 25900/690561 100/333 216/185 4004/1665 518/45 7344/185 _____ (b,c,d,e) (b,c,e,f) [a,b,c,d,e,f]
(293) 120/539 15990/40931 215028/190969 172/11 699720/40931 484 _____ (a,b,c,d,f) (b,d,e,f)
(294) 4/185 371/740 375/148 701760/197173 27195/2116 1332/5 _____ (a,b,c) (a,b,c,e,f) (a,c,d,e,f)
(295) 952/8125 31875/88088 64792/51425 55104/5525 723843/18200 268983/952 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(296) 45375/725788 33117/292820 59/140 1953/605 6560/847 1815/28 _____ (b,c,d,e) (a,b,d,e,f) (c,d,e,f)
(297) 4875/37888 3927/7696 3219/5200 731143/192400 299/37 28416/325 _____ (a,b,c,d) (c,d,e) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(298) 245/1548 135/301 755872/338625 56416/21875 300321/21500 22145/252 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(299) 92017/450840 15317/45240 325/696 4205/1248 758043/83810 149760/8381 _____ (a,c,d,e) (a,b,c,d,f) (a,b,e,f) (b,c,d,e,f) <<b,f|c,d>>
(300) 27/266 405405/766232 361/504 190855/102152 2240/171 338624/1197 _____ (a,b,c,d,e) (a,b,c,e,f) (a,c,d,e,f) <<a,c,e>>
(301) 25/744 339770/770133 23064/29645 262395/30008 613211/20280 322344/7595 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(302) 27962/170625 325/1512 1064/975 91/24 780367/195000 2376/91 _____ (a,b,c,e) (a,b,c,d,f) (a,d,e,f) (b,c,d,e,f) <<b,c|d,f>>
(303) 11825/89376 6/19 57/32 33592/3675 442323/15200 792832/3675 _____ (a,c,d,e) (a,b,c,e,f) (a,d,e,f)
(304) 840/8993 105369/804440 120/119 119/40 3553/280 142590/2873 _____ (a,b,c,d,e) (b,d,e,f) (a,c,d,e,f)
(305) 77/340 255/448 813135/550256 1536/595 588133/98260 1785/16 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(306) 2324/179883 4345/5796 361675/218988 109620/19987 814131/24332 267652/207 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(307) 1595/13104 141696/845845 468/385 3445/1232 65408/6435 29645/1872 _____ (a,c,d,e) (a,b,c,d,f) (a,b,e,f) (b,c,d,e,f) <<b,f|c,d>>
(308) 9027/309320 26048/857375 114375/61864 353496/87875 23199/1000 24130/407 _____ (a,b,c,d) (a,b,c,e,f) (a,d,e,f) (b,c,d,e,f) <<b,c|e,f>>
(309) 115713/878560 175/456 1083/2560 415/114 238165/27744 1536/95 _____ (a,c,d,e) (a,b,c,d,f) (a,b,e,f) (b,c,d,e,f) <<b,f|c,d>>
(310) 1023/26000 1428/2015 1767/1040 1625/496 884697/32240 6656/155 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (c,e,f) (a,c,d,e,f) <<a,f|c,d>>
(311) 55352/891075 1000/2673 38831/59400 1944/275 781/24 6578/75 _____ (a,b,c,d,e) (b,c,e,f)
(312) 262405/895272 189/640 685/672 287/120 718487/159870 5120/189 _____ (a,b,c,e) (a,b,c,d,f) (a,d,e,f) (b,c,d,e,f) <<b,c|d,f>>
(313) 575/6732 9724/12005 897088/412335 30772/8415 260775/36652 5049/20 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(314) 1683/5180 1813/2805 197600/145299 13600/8547 902727/138380 25641/340 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(315) 1755/67592 578/7455 199576/126735 131705/3672 924545/11928 31808/255 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(316) 75/544 187/200 269139/228616 768/425 931875/57154 323/8 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(317) 1125/7616 391/525 512/357 22581/1904 31059/400 933793/4800 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f)
(318) 150307/954408 3933/8918 45175/73416 15561/4600 148800/39767 422464/18525 _____ (a,b,c,e) (a,b,c,d,f) (a,d,e,f) (b,c,d,e,f) <<b,c|d,f>>
(319) 4/35 36/35 147/80 381225/153328 956403/109520 1300/7 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(320) 325/22908 2116/11205 9379/1380 108031/4980 959200/5727 62748/115 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(321) 28/255 210335/241332 3655/4116 65835/19652 987468/100555 1836/35 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(322) 49/300 261/700 301/75 775/84 988000/94269 576/7 _____ (a,b,c,d) (b,c,d,f) (a,b,c,e,f)
(323) 22/315 92475/298424 351/280 1000384/239805 475/56 3136/45 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(324) 17391/779744 50505/143648 1012480/942841 24/7 1615/224 882 _____ (a,c,d,e,f)
(325) 3400/64493 2944/9061 2091/2600 142311/16456 1020075/72488 717288/17425 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(326) 3/70 134589/1024000 2560/1701 12103/4320 105/8 51987/280 _____ (a,b,c,d,e) (a,c,d,e,f)
(327) 48633/1050280 15125/27776 1024/1085 33201/19360 199479/37510 12369/1000 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(328) 15675/224264 41128/82365 2520/1843 1060367/221160 126293/11640 30264/95 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(329) 3784/39015 19656/62135 7225/9288 1070545/298248 1247/120 3240/43 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(330) 24/961 437/392 1176/625 1072797/480200 325/8 600066/1225 _____ (a,b,c,d,e) (a,b,c,e,f) (b,d,e,f)
```

(331) 1404/8855 35915/100464 1086336/845845 29645/14352 192276/16445 79235/3696 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(332) 667/2340 4940/6003 10080/8671 5148/3335 1110321/173420 3335/52 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(333) 129575/1111728 31671/80560 8303/12720 16748/6555 54188/7155 169600/11799 _____ (a,b,d) (a,c,d,e) (a,b,c,d,f) (a,b,e,f) (b,c,d,e,f) <<b,f|c,d>>
(334) 1292/16807 325584/1113025 102/175 3036/2975 168/17 3500/17 _____ (a,c,d,e,f) (b,c,d,e,f) [a,b,c,e]
(335) 53/460 1600/1863 153/115 1128771/557780 9499/1620 124775/2916 _____ (a,b,c,e) (a,b,c,d,f) (b,c,e,f)
(336) 493/15561 1235/812 11232/3857 30240/7163 1151495/95004 296989/468 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(337) 11385/70304 992/4485 5814/1495 10985/2208 1161769/143520 25760/39 _____ (a,b,c,e) (b,d,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(338) 361/4608 24115/175712 315/152 512/171 1176385/83232 747/38 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(339) 5372/234171 24947/167796 586873/230364 1177748/228389 172773/11564 60652/711 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(340) 287/1452 72795/263452 480/343 273/121 1209920/197589 2057/84 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(341) 16211/316840 51/640 19/40 375/32 1225371/79210 3072/125 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(342) 4800/70499 4466/5525 7752/4147 12441/3400 1298869/98600 281775/2552 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(343) 43/400 528/2209 59475/85264 1307523/120409 1488/25 70400 _____ (a,b,c,d,e) (a,b,c,e,f)
(344) 6732/87185 97888/411015 17437/16500 1311057/348740 283500/27401 27401/420 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(345) 16352/1339533 266175/784996 1763/1300 800/117 819/25 606803/468 _____ (a,b,c,d,e) (c,d,e,f)
(346) 128/2805 5625/23936 14773/3000 1343277/187000 118349/2040 5797/30 _____ (a,c,d) (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(347) 728/2875 1173/3640 2625/2392 11704/1495 1375011/83720 21528/35 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(348) 336/3025 92713/143143 2057/2800 1379175/327184 48/7 1575/16 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(349) 259/9000 45056/138915 1151557/252000 7533/1120 1433797/22680 74375/512 _____ (a,c,d) (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(350) 171/1400 119/384 675/224 1470339/443576 1233575/47526 7168/75 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(351) 64/715 465465/1486088 278400/720863 855/286 429/40 417989/40 _____ (a,b,c,d,e) (a,b,d,e,f) (a,c,d,e,f) <<a,d,e>>
(352) 5/448 45/28 1526595/817216 682176/89383 931/64 6144/7 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(353) 57/728 256/2275 1486353/1223768 3003/200 1563975/43706 2275/32 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(354) 3667/363120 181753/431205 64080/93347 1567335/459952 46512/445 733805/912 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(355) 1209/3920 2695/6448 10880/19747 1567443/394940 1920/403 1209/20 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(356) 760/11781 119935/105336 168021/142120 1513512/583015 1592968/65835 44935/952 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(357) 423/2992 5687/13056 20480/26367 1601145/132352 1540825/38352 212993/564 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(358) 6175/353736 1665/33592 128088/20995 6409/760 1621312/188955 28424/585 _____ (b,c,d) (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(359) 154077/1632160 142680/367087 77/160 102/35 1455/224 264040/10201 _____ (c,d,e) (a,d,e,f) (b,c,d,e,f) [a,b,c,f]
(360) 43875/232324 11/45 71200/47961 1633824/623045 551/180 671/20 _____ (a,b,c,e,f) (b,c,d,e,f)
(361) 49/624 12928/6825 468/175 1339/336 265489/15600 1693375/4368 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f)
(362) 7480/166341 982100/1700457 56/33 468/77 155232/22801 1870/21 _____ (a,b,c,d,f) (a,c,d,e,f)
(363) 4000/48279 553/1425 132057/64372 361/84 1734016/63525 129591/1900 _____ (a,c,d) (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(364) 25/1452 6601/187500 1743075/264196 423/25 84987/2500 544/3 _____ (a,b,c,e,f) (b,d,e,f)
(365) 206280/1206143 715/1656 203320/57121 2835/184 322/9 1746955/1656 _____ (a,b,c,d,e) (b,d,e,f)
(366) 3663/92416 9408/36481 5/12 2583/256 1088/3 1747695/256 _____ (a,b,c,e,f) (c,d,e,f)
(367) 40779/398860 23520/49247 561/740 13505/6468 1812928/299145 5291/375 _____ (a,b,d,e) (c,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(368) 255/4592 6144/24395 3157/1360 14105/697 1876611/38080 73185/64 _____ (a,b,c) (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(369) 1813/37620 7429/31185 15200/9317 368032/9405 1880525/24948 1617165/532 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(370) 184175/1957072 7680/21853 195/64 231/52 91/16 17391/52 _____ (a,b,c,e,f) (c,d,e,f)
(371) 4/105 15351/106580 11925/3388 1971072/357035 1175/84 756/5 _____ (a,b,c,e,f)
(372) 4693/97440 15225/11552 139104/52345 280/87 1980610/219849 11832/35 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>

(373) 99375/1339804 50996/108375 5980/3477 74592/5795 2001251/91500 1004853/500 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(374) 15/56 58/105 7007/3000 2032520/557283 36363/280 32136/35 _____ (a,b,c,d,f) (b,c,e,f)
(375) 576/10925 28519/93288 2043927/590824 7774/1425 527896/12675 48875/456 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(376) 2300/40579 405920/365211 75361/61740 1669381/302940 2044471/351540 181764/1085 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(377) 2728/921219 6760/5451 19584/1817 16353/1352 2064755/43608 63595/24 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(378) 1581/12005 22785/78608 1559883/2065840 16512/2635 488720/25823 19295/496 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(379) 1836/12455 2491/4500 113344/112095 2090209/448380 13500/2491 2491/20 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(380) 15/112 544880/2093809 415/112 444/35 1104/35 4557/80 _____ (a,c,d,f) (c,e,f) (a,b,c,e,f)
(381) 41/138 24720/42527 1692432/2105401 13754/5547 399/46 331296/22103 _____ (a,b,d,e) (a,c,d,e,f)
(382) 212160/674041 13/34 429/136 2119545/510952 7872/221 25585/104 _____ (b,c,d,e) (a,b,c,d,f) (b,c,e,f)
(383) 17255/149784 247/408 1122/961 2138455/392088 1653240/106097 504/17 _____ (a,c,d,e) (b,c,d,f) (a,b,e,f) [a,b,c,d,e,f]
(384) 503625/2148412 203/340 78144/100555 27936/14875 6789/2380 119/5 _____ (a,b,c,d,f) (b,d,e,f)
(385) 205/1104 2288/2829 115/123 2944/1107 2154845/407376 23247/368 _____ (a,b,c,e) (a,d,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(386) 17719/64260 6912/17255 20825/22272 912175/165648 2175173/118320 88247/420 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(387) 16709/2176044 6860/3219 38628/8281 372096/52577 314765/12876 906685/588 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(388) 15008/70395 262944/586625 1001/1500 1105/1083 985/156 2180079/260 _____ (b,c,d,e) (a,c,d,e,f)
(389) 126/1121 10089/22400 1378689/1004416 315392/84075 2212525/107616 532475/10752 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(390) 893/36960 1960/1551 990/329 16128/2585 2255533/248160 483395/672 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(391) 16500/395641 72557/86700 2016/1369 2294117/410700 39/4 26588/75 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(392) 4556/102465 4025/26532 12320/1541 536201/45540 117612/7705 2303795/396 _____ (a,b,c,d) (b,d,e) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(393) 23529/209503 30976/71407 49/44 2304393/234476 429/28 39648/11 _____ (a,b,c,e,f) [a,b,c,d,e,f]
(394) 49/180 27/35 1687609/1425780 1312/875 2347488/277235 12875/252 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(395) 1073/45080 14651/41760 1357025/2353176 1038717/326830 81664/1035 170775/232 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(396) 76832/710391 362045/498036 18720/13699 39083/8652 2356475/423948 21321/133 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(397) 675/13984 87296/321195 5681/4320 2363650/578151 69768/5635 45080/513 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(398) 232713/744200 1475/4056 11/24 504/169 2392558/279075 39208/1875 _____ (b,c,d) (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(399) 1540/11271 26/135 9880/15987 1232/195 2447172/93845 540/13 _____ (a,b,c,d,e)
(400) 420/2717 61295/241604 13013/27436 2477760/785213 627/52 9804/143 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(401) 576/2695 1936/2205 72050/71289 425/198 2519696/435655 7497/110 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(402) 2976/40931 8832/24299 2548623/1705636 117/44 73/11 847/4 _____ (a,b,d,e,f) (a,c,d,e,f)
(403) 1875/8848 1092/1975 6083/10000 1536/553 2620131/221200 10507/400 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (d,e,f) (a,c,d,e,f) <<a,f|c,d>>
(404) 85/988 117/380 577065/89167 14304/1235 1216/65 2649075/31684 _____ (a,b,c,d) (a,b,d,e) (a,b,c,e,f)
(405) 56144/219765 57408/78155 25850/26013 72471/32890 2654832/476905 127075/1914 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(406) 121/3990 66/665 1520/231 5040/209 2680528/21945 13965/22 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(407) 85963/567490 1005/2744 2541/2680 4864/2345 2699775/453992 63315/3872 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(408) 5727/52136 5016/13363 2709307/2031176 1169454/253897 18088/1909 40089/152 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(409) 4255/13328 1443/1360 1280/833 2711415/620944 300/17 14076/245 _____ (a,b,c,d,f) (a,b,e,f)
(410) 20167/660000 13832/35475 198/301 811899/240800 29799/800 2720000/9933 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(411) 315700/2724261 308/705 2088/1645 700/141 846/35 70312/105 _____ (b,c,d,e) (a,b,c,e,f) (c,d,e,f)
(412) 1328/96255 775/1104 2512175/2263248 2740311/602485 27280/621 2442393/2480 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(413) 259675/2773848 4598/8295 110656/117315 39263/25080 1089704/202635 159975/11704 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(414) 95761/436800 100/273 7227/5824 1693444/950313 364/75 2806713/160000 _____ (a,b,c,e) (a,c,e,f) (b,c,d,e,f)

```
(415) 12985/129228 105376/134673 10080/4717 8109/2492 2812475/396228 247687/1113 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(416) 646668/2820005 22724/52215 50/69 110600/36501 504/115 6324/115 _____ (a,b,c,e,f) (c,d,e,f)
(417) 5175/36176 1050467/2496144 2247168/2824975 384307/96900 66861/11200 318325/5244 ____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(418) 129/25172 50347/1082396 118668/14749 2839668/270599 20468/899 18879/172 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(419) 819/31648 504/989 4945/2016 21280/989 2841130/62307 134504/63 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(420) 7839/67298 271040/1141881 93632/60099 2845953/1121848 2716783/456456 357903/5896 ___ (a,b,d,e) (a,b,c,e,f) (a,c,d,e,f)
(421) 1032/44051 29667/16856 96824/38657 35819/7192 2900217/309256 21576/43 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(422) 76875/211048 16399/37000 164715/211048 8029/3680 109641/11470 2926848/89125 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(423) 15925/229392 37908/258125 2973861/2147600 55637/4368 2041984/57525 1578368/22113 ___ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(424) 9600/217217 3627/21560 12920/4433 22638/2015 3004287/60760 4433/40 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(425) 57165/661664 145/1426 23529/18560 3081897/827080 29696/3565 32085/928 _____ (a,b,c,d) (a,b,c,e,f) (a,d,e,f) (b,c,d,e,f) <<b,c|e,f>>
(426) 245/3072 155/336 199/105 757393/69360 3092517/161840 11520/7 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(427) 19363/158760 3200/7497 539/680 5083/360 3124550/67473 59535/136 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(428) 1053/41360 9200/60489 6721/720 64260/6721 3130127/33840 157168/585 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(429) 34/105 539/1080 351/280 3131051/1129080 1793600/197589 3200/21 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(430) 192/1105 4845/17576 566720/185861 37349/8410 3160113/437320 744285/1768 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(431) 3492/63869 7956/35017 107548/64311 555713/56316 3169539/85748 1468909/19788 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(432) 404600/3188883 248216/471495 135/136 1346175/506056 1128/85 442/15 _____ (a,c,d,e,f)
(433) 7/1920 283360/3201267 549/640 288/5 28595/384 44950/3 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(434) 33/1036 308959/3285748 63/148 405705/155407 3360/37 6845/28 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(435) 8064/597529 553/1200 819/100 1408/75 16225/48 3337875/16 _____ (b,c,d,e) (a,b,c,d,f) (c,d,e,f)
(436) 18055/643552 256/119 105/34 3347199/643552 43095/2744 861441/5408 _____ (a,c,d) (a,b,d,e) (b,c,d,f) (a,b,c,e,f)
(437) 558/3185 7920/19747 527/390 325/186 3356464/296205 10192/465 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(438) 18928/75449 1155/3952 940485/966416 3359360/785213 912/143 26961/208 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(439) 21879/298424 351/1400 22/63 3378424/1199025 3136/225 2375/56 _____ (a,b,c,d) (a,b,c,e,f) (a,d,e,f) (b,c,d,e,f) <<b,c|e,f>>
(440) 539/3240 1652819/3387240 34/35 1053/280 2670200/592767 3200/63 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(441) 49419/192500 1664/3927 525/748 357/176 3412717/510000 39083/2100 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(442) 80784/3436205 90644/547805 985/576 621/320 100/9 105040/9 _____ (a,b,c,d,e) (a,c,d,e,f)
(443) 544288/3439695 41548/210945 23575/67116 2647125/917252 180236/11985 50337/820 _____ (a,b,c,d) (a,b,c,e,f) (a,d,e,f) (b,c,d,e,f) <<b,c|e,f>>
(444) 216535/3556956 12/65 1637025/2669956 143/60 340/39 2845596/34445 _____ (a,b,c,d,e) (a,b,d,e,f) (b,c,d,e,f) <<b,d,e>>
(445) 351/5600 238469/3148704 1925/936 1792/325 3591575/423864 351/14 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(446) 228655/3609156 33/67 91455/106276 1615/804 384/67 469/12 _____ (a,b,d,e) (a,b,c,e,f) (b,d,e,f)
(447) 57/17920 545445/3698744 315/128 3274999/660490 4096/35 4515/8 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(448) 41325/137288 1821261/3753800 18/25 382789/129032 88/25 3000/49 _____ (a,b,c,e,f) (a,c,d,e,f)
(449) 2975/32208 2176/10065 6039/1360 284544/57035 3754255/136884 36905/204 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(450) 11165/26112 10251/22330 3810965/3644256 107008/51765 180081/32480 17255/264 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(451) 216/845 5/8 1810/1521 475776/186245 3840760/335241 36673/360 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(452) 69471/3757240 8769/47560 20224/17835 29725/7584 3873025/563586 46371/3160 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(453) 84/3575 273/704 1191091/436800 60016/6825 3883203/64064 26000/231 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(454) 65280/3887609 40320/183073 786137/294576 2846225/516912 408291/24208 1513/12 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(455) 25024/826875 150/833 3927512/562275 1853/216 254127/3400 27783/136 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(456) 948/10925 80975/85652 5244/3871 114268/34523 3930225/138092 706629/7900 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
```

(457) 78029/2592330 6144/37375 7843/6240 3942939/1063520 8947/1560 63375/2944 _____ (a,b,c,d) (a,b,c,e,f) (a,d,e,f) (b,c,d,e,f) <<b,c|e,f>>
(458) 16/325 23436/36517 250/117 2376/325 4732/225 4021996/2925 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(459) 335013/3250000 2917200/4053847 2847/2800 413/208 1456/25 53475/91 _____ (c,d,e,f) [a,b,c,d,e,f]
(460) 1989/58400 101959/119136 657/442 104975/28032 4059825/129064 822272/16575 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(461) 2511/115360 1845775/2145696 37975/9888 117832/29295 4095322/431055 500992/3255 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(462) 5577/48020 1175737/4140500 60/169 3058572/1035125 85/4 588/5 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(463) 6408/182819 5863/4984 4194579/2656472 165126/25543 31773/4264 29848/89 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(464) 33/400 1200/2401 833/400 4209897/490000 490633/30625 1200 _____ (a,c) (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) [b,f] <<a,b|c,f>>
(465) 1200/4277 1225/3666 1008/611 1222/525 4251872/320775 20163/350 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(466) 615/22792 870067/1274280 130240/42189 30422/6105 4446888/584045 42735/328 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(467) 438219/2286160 375/1088 1536/2125 187/80 4635939/571540 323/20 _____ (a,c,d,e) (a,b,c,d,f) (a,b,e,f) (b,c,d,e,f) <<b,f|c,d>>
(468) 143/720 135/208 4746060/4208893 767/80 13244/585 73600/117 _____ (a,b,d,e) (a,b,c,d,f) (b,d,e,f)
(469) 13509/80500 9401/22080 77625/35392 64064/27255 4863771/254380 82432/1185 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(470) 224/24187 91/268 458535/91723 24909/1876 4867215/38332 2222055/10108 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(471) 299676/1452605 3016/12495 72/85 50/51 4873900/871563 63308/15 _____ (a,c,d,e) (b,c,d,e,f)
(472) 12716/137735 40587/283220 11660/7987 496860/47107 4900449/159740 46455/676 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(473) 187/3640 439914/845845 2184/1375 4923079/966680 7875/1144 3432/35 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(474) 84847/4929096 41536/157323 429/472 1064/177 738/59 7493/24 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(475) 10773/106580 985/2052 416/285 4969811/1603935 475/12 31465/228 _____ (a,b,c,d,e) (a,b,c,e,f)
(476) 925/3016 2433101/5021640 37120/38961 68445/34336 480233/96570 159877/4680 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(477) 3328/9075 27/50 89/96 898275/468512 5035275/279752 363/8 _____ (a,b,c,d,f) (a,b,c,e,f)
(478) 27324/233093 4757/13524 14076/4757 1936480/328233 5037219/437644 233093/276 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(479) 4288/20709 205497/588796 120819/205556 5045920/1387503 2301/268 157651/1593 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(480) 482560/857157 657/952 5049408/4541161 25905/11662 1085/408 1819/168 _____ (a,b,d,f) (b,c,d,e,f)
(481) 99127/592800 16575/68096 200192/129675 66101/33150 5115171/940576 18525/952 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(482) 4375/94848 9216/8645 84227/41160 5165127/1729000 2001989/51870 1087541/12000 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(483) 99/988 4000/8151 1729/825 42688/8151 5171481/271700 24453/100 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(484) 1984/23763 2709473/5234136 78/121 66171/22472 329/24 168 _____ (a,b,c,e,f) (a,c,d,e,f)
(485) 3712/22715 5775/13688 24157/25960 25311/8120 5268342/658735 48675/1624 _____ (a,b,d,e) (c,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(486) 1541/22680 3325/4824 86968/96815 5393960/1219869 3402/335 60568/315 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(487) 255/22736 435/272 2860/493 8704/1421 5525559/386512 566979/272 _____ (a,b,c,e) (b,d,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(488) 703560/5555449 3243/4576 248/143 913/416 7215/352 51510/143 _____ (b,c,d,e) (c,d,e,f) [a,b,c,d,e,f]
(489) 2420/55223 79143/269500 207/220 5614284/1549625 2244/115 5635/44 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(490) 5135/24552 310403/813384 224576/286533 95480/9243 5663385/215512 166374/341 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(491) 5452/72325 1383200/3943159 147543/136300 5794569/1433876 102225/11572 104148/1363 __ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(492) 18445/1149984 1260791/4951320 22627/26040 5851885/1732962 108405/1736 55552/165 ____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(493) 969/19184 5668/15675 23529/33136 5895988/1708575 167424/5225 2011625/5232 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(494) 5929/419220 34272/82885 284275/57596 187200/16303 5924961/46580 100147/315 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(495) 2755431/6086872 95/198 351/352 197120/120409 55165/18432 3157/72 _____ (a,b,c,d,f) (b,c,d,e,f)
(496) 4488/37303 2978808/6145441 87/119 325/119 2280/119 968240/4913 _____ (c,d) (a,b,c,d,e) (c,d,e,f)
(497) 3040/83853 1107085/6327684 1813/836 5973120/1230383 7429/693 35937/532 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(498) 61347/789032 537795/456808 3558016/2631837 545055/282568 6408490/295887 223213/5016 (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>

(499) 21235/41472 729/1240 279565/246078 62279/51840 6440841/972160 81920/1519 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(500) 9/784 25/16 176/49 145236/15625 6563649/250000 39984/25 _____ (a,b,c) (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(501) 1963/22320 6975/9664 5587/5580 2770837/374480 6569225/168516 142848/755 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(502) 6900/69169 23/100 4463004/6583175 44/23 825/92 341649/2300 _____ (a,b,c,d,e) (a,b,d,e,f) [a,b,d,e]
(503) 31097/164700 1336608/4311175 30500/76329 6637379/2069364 123525/11308 327932/4575 __ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(504) 11625/60352 47616/117875 64064/146165 48093/9920 6675339/584660 17917/620 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(505) 416/7695 99/380 6681899/3876380 3325/324 4889115/193819 1881/20 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(506) 15500/196677 248/2925 2127944/6734025 12692/2925 378/13 104 _____ (b,d,e,f) (a,c,d,e,f)
(507) 8832/94705 72075/112424 225225/268088 34827/7130 6882527/562120 1025869/19840 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(508) 17/147 1426997/2822700 3773/2700 351/100 7024832/1383123 8000/147 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(509) 1701/5780 2349281/7092405 101/180 7840/2601 5230225/630436 7225/324 _____ (a,c,d) (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(510) 11767/93075 9125/58548 262752/74825 7104800/1068501 4357521/124100 227103/1148 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(511) 748/4305 4797/9520 1260/697 19475/5712 7151111/1170960 106624/615 _____ (a,b,c,e) (a,d,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(512) 445056/7438235 37125/480508 89/140 2301/1715 343/20 62400/7 _____ (a,c,d,e,f) (b,c,d,e)
(513) 228475/740784 2083200/3811951 237952/399855 46299/19760 7478933/904020 79971/2860 __ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(514) 1920/30107 1091904/4600897 10829/6072 9438/2737 7540435/443784 44965/1848 _____ (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(515) 17028/66755 1580/5577 485639/474000 7565607/1738000 7436/1185 71495/528 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(516) 25575/120704 95232/259325 1470339/2572504 48093/10912 7577675/643126 197087/6200 ___ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(517) 37/1920 13/30 3248105/5575776 7678359/2323240 2475/32 11264/15 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(518) 1881/31960 18360/112847 92120/14739 7189535/939624 7687818/195755 34357/120 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(519) 532/1875 477/532 1779453/1609300 14725/10164 7811296/1206975 3388/57 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(520) 364572/4984831 1842800/7932063 540/589 152/93 1364/57 68510/57 _____ (a,b,d,e,f)
(521) 807417/4274368 2679/7424 59392/57575 75999/46400 8120625/1068592 725/47 _____ (a,c,d,e) (a,b,c,d,f) (a,b,e,f) (b,c,d,e,f) <<b,f|c,d>>
(522) 5301/20020 68068/220875 113344/114855 8170817/1861860 24453/4340 325500/2717 _____ (a,b,c,d) (a,b,c,e,f) (a,b,d,e,f) (c,d,e,f) <<a,b|e,f>>
(523) 770000/6009133 511/592 8221428/6222475 1173381/473200 3806523/384400 300144/4375 ___ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>
(524) 186934/8284185 7803/101920 8575/3744 63232/13005 895455/120224 4888/245 _____ (a,b,d,e) (a,b,c,d,f) (a,c,e,f) (b,c,d,e,f) <<b,d|c,f>>
(525) 2107/15180 2190175/4923996 4460/5313 4761/1540 8293824/612835 12100/483 _____ (a,c,d) (b,c,d,e) (a,b,c,d,f) (a,b,e,f) (a,c,d,e,f) <<a,f|c,d>>
(526) 844662/8333405 41943/101920 1075/416 4600/637 232407/2080 1560 _____ (a,b,c,d,f) (b,d,e,f)
(527) 415/5088 5229/6784 530/249 1636565/422304 8440551/563072 54272/249 _____ (a,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (b,d,e,f) <<a,c|b,f>>
(528) 243571/5312160 3808/12555 10013/10080 1960/527 8455382/1494045 37665/3808 _____ (a,b,c,d) (a,c,d,f) (a,b,e,f) (b,c,d,e)
(529) 2944/22707 47223/223112 5431335/8503688 15/8 413/54 3520/27 _____ (a,b,d,e,f) (b,c,d,e,f)
(530) 7/160 402/875 5376/1805 24024/1805 8541489/404320 767125/224 _____ (a,b,d,e) (a,b,c,d,f) (a,b,c,e,f) (c,d,e,f) <<a,b|c,f>>
(531) 35/3048 17145/10976 12288/4445 512857/106680 8663525/85344 472059/2560 _____ (a,c,d) (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(532) 20608/1047969 31671/38584 61533/16744 2093/424 8803520/998361 249418/1449 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f) (a,c,d,e,f) <<a,c|d,f>>
(533) 34816/150887 153381/526592 8901867/5426944 6171/1247 7233723/1356736 53621/272 _____ (a,b,c,e) (a,b,c,d,f) (a,b,d,e,f) (c,d,e,f) <<a,b|d,f>>
(534) 2681/118000 3233835/1909712 16875/6608 30208/7875 8950676/767295 168091/720 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(535) 15872/607425 19669/33600 14400/8099 1586375/222144 9052901/186900 114543/1372 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(536) 44268/160325 111300/152303 786016/698275 873983/630700 9111657/782068 3986925/105028 (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(537) 400767/1920800 24/49 439967/39200 9389406/765625 24 479167/800 _____ (a,b,c,e) (b,c,e,f) [b,e] [a,b,c,d,e,f]
(538) 207/4096 30305/288512 260/207 9412985/2596608 828/49 13328/207 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(539) 202475/1326924 26908/53505 16443/25420 64124/31465 2582176/374535 9422825/632772 ___ (a,c,d,e) (a,b,c,d,f) (a,b,e,f) (b,c,d,e,f) <<b,f|c,d>>
(540) 8588/151725 791/7500 1248/791 2428125/130628 9494329/237300 267036/2825 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f) (a,b,d,e,f) <<a,d|b,f>>

(541) 41/160 1005/1312 9520200/3279721 330/41 3808/205 82041/160 _____ (a,b,c,d,e) (b,d,e,f)
(542) 415/10176 5148/4399 5229/3392 1060/249 9542885/844608 27136/249 _____ (a,b,d,e) (c,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(543) 42757/376320 47677/98670 9625083/7934080 18975/5096 9040075/459264 749568/16445 ____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>
(544) 2744/30225 3096/2821 12493/8232 947763/455000 9647534/406875 108225/1736 _____ (b,c,d,e) (a,b,c,d,f) (a,b,c,e,f) (a,d,e,f) <<a,f|b,c>>
(545) 3/28 1084243/2957500 189/400 2432/343 9798528/739375 525/16 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(546) 356/26117 78400/426933 52767/17444 9880627/1707732 40851/2132 104468/801 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) (a,c,d,e,f) <<a,c|e,f>>
(547) 2295/52256 262405/666264 23552/18105 223721/32640 9956177/832830 247435/4968 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f) (a,c,d,e,f) <<a,d|c,f>>
(548) 44/595 6027/8500 73899/74420 3468/875 9993500/442799 20625/476 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f) (a,b,d,e,f) <<a,f|b,d>>

Sextuples containing a torsion triple

(266) 121/1710 62928/561055 315/418 247950/49379 1520/99 41888/855 _____ (a,b,c,d,e) (a,b,c,e,f) (a,c,d,e,f) <<a,c,e>>
(275) 40128/600635 143/840 18200/57963 147/40 200/21 6882/35 _____ (a,b,c,d,e) (a,b,d,e,f) (b,c,d,e,f) <<b,d,e>>
(301) 27/266 405405/766232 361/504 190855/102152 2240/171 338624/1197 _____ (a,b,c,d,e) (a,b,c,e,f) (a,c,d,e,f) <<a,c,e>>
(352) 64/715 465465/1486088 278400/720863 855/286 429/40 417989/40 _____ (a,b,c,d,e) (a,b,d,e,f) (a,c,d,e,f) <<a,d,e>>
(447) 216535/3556956 12/65 1637025/2669956 143/60 340/39 2845596/34445 _____ (a,b,c,d,e) (a,b,d,e,f) (b,c,d,e,f) <<b,d,e>>
(818) 7/828 3880332/98203721 1997780/3659103 575/28 756/23 54370505/125316 _____ (a,b,c,d,e) (a,b,d,e,f) (a,c,d,e,f) <<a,d,e>>
(1046) 121/1710 315/418 49732272/49324495 1140800/777689 1520/99 536765922/139445 _____ (a,b,c,d,e) (a,b,c,e,f) (a,b,d,e,f) <<a,b,e>>
(1074) 13/140 65/252 656995680/686686819 10778053/2783340 1323/65 259871360/806013 _____ (a,b,c,d,e) (a,b,c,e,f) (a,b,d,e,f) <<a,b,e>>
(1125) 13/140 65/252 1140270560/660940623 75612609/31233020 1323/65 848946560/160173 _____ (a,b,c,d,e) (a,b,c,e,f) (a,b,d,e,f) <<a,b,e>>
(1319) 15/272 8362368/132687361 3858774400/5430569811 87/17 629/48 166445045/1275312 _____ (a,b,c,d,e) (a,b,d,e,f) (a,c,d,e,f) <<a,d,e>>

Sextuples containing a two regular quintuples and at most one regular quadruple

(5) 32/525 224/867 53/84 273/100 75/7 1953/100 _____ (a,c,d) (a,b,c,d,e) (a,c,e,f) (b,c,d,e,f)
(16) 81/1400 104/525 5696/4725 98/27 2875/168 4928/3 _____ (b,c,d) (a,b,c,d,e) (a,b,d,e,f)
(65) 264/2023 867/2744 83/56 26432/11449 6552/289 1218 _____ (a,b,c,d,e) (a,b,c,e,f)
(67) 585/27556 6789/15028 27520/17797 165/52 224/13 741 _____ (a,b,d,e,f) (a,c,d,e,f)
(123) 140/1479 85/348 17748/18769 30485/5916 1827/68 85527/116 _____ (a,b,c,d,e) (a,b,c,e,f) [a,b,c,e]
(136) 7/120 3480/10201 10600/11163 99138/17405 429/40 1064/15 _____ (a,b,c,e,f) (a,c,d,e,f)
(155) 6475/133956 187/900 2772/6889 868/225 27/4 100 _____ (b,d,e) (a,b,d,e,f) (b,c,d,e,f)
(171) 536/1827 98/261 143964/170723 40716/35287 1148/261 1276/7 _____ (a,b,c,e) (a,b,d,e,f) (b,c,d,e,f)
(194) 1216/224287 17472/49729 33/56 2001/56 426/7 1519/8 _____ (a,b,c,e,f) (d,e,f) (a,c,d,e,f)
(206) 220/13689 805/2916 17649/12500 44/5 801/20 261324/125 _____ (a,b,c,d,e) (a,b,d,e,f) (c,d,e,f)
(223) 2760/134689 4836/31205 8/15 314160/54289 306/5 520/3 _____ (a,b,c,e,f) (a,c,d,e,f)
(253) 1463/9720 575/1848 275275/450456 1118/1155 1512/55 63800/21 _____ (a,b,c,e,f) (a,b,d,e,f)
(255) 13/99 21105/123596 80960/114921 11/4 513/44 455840/7569 _____ (a,b,c,d,e) (a,c,d,e,f)
(259) 31/858 2992/28431 560/429 471328/48387 702/11 2717/6 _____ (a,b,c,e,f) (a,b,d,e,f)
(267) 221/11760 42532/563295 7296/4165 65300/2499 1275/16 489951/1360 _____ (a,b,c,d,e) (a,b,c,e,f) (a,d,e,f)
(272) 31808/583899 55/408 527/216 405/136 2240/459 119/6 _____ (b,c,e) (a,b,c,d,f) (b,c,d,e,f)

```
(284) 1767/22201 32/31 633795/586756 651/484 205/124 3885/124 _____ (a,b,d,e,f) (b,c,d,e,f)
(285) 5/28 169389/638428 12480/11767 147/64 27195/2116 493/28 _____ (a,b,c,d,f) (a,c,d,e,f)
(295) 4/185 371/740 375/148 701760/197173 27195/2116 1332/5 _____ (a,b,c) (a,b,c,e,f) (a,c,d,e,f)
(305) 840/8993 105369/804440 120/119 119/40 3553/280 142590/2873 _____ (a,b,c,d,e) (b,d,e,f) (a,c,d,e,f)
(327) 3/70 134589/1024000 2560/1701 12103/4320 105/8 51987/280 _____ (a,b,c,d,e) (a,c,d,e,f)
(331) 24/961 437/392 1176/625 1072797/480200 325/8 600066/1225 _____ (a,b,c,d,e) (a,b,c,e,f) (b,d,e,f)
(335) 1292/16807 325584/1113025 102/175 3036/2975 168/17 3500/17 _____ (a,c,d,e,f) (b,c,d,e,f) [a,b,c,e]
(344) 43/400 528/2209 59475/85264 1307523/120409 1488/25 70400 _____ (a,b,c,d,e) (a,b,c,e,f)
(361) 43875/232324 11/45 71200/47961 1633824/623045 551/180 671/20 _____ (a,b,c,e,f) (b,c,d,e,f)
(363) 7480/166341 982100/1700457 56/33 468/77 155232/22801 1870/21 _____ (a,b,c,d,f) (a,c,d,e,f)
(404) 2976/40931 8832/24299 2548623/1705636 117/44 73/11 847/4 _____ (a,b,d,e,f) (a,c,d,e,f)
(422) 7839/67298 271040/1141881 93632/60099 2845953/1121848 2716783/456456 357903/5896 ___ (a,b,d,e) (a,b,c,e,f) (a,c,d,e,f)
(445) 80784/3436205 90644/547805 985/576 621/320 100/9 105040/9 _____ (a,b,c,d,e) (a,c,d,e,f)
(451) 41325/137288 1821261/3753800 18/25 382789/129032 88/25 3000/49 _____ (a,b,c,e,f) (a,c,d,e,f)
(478) 10773/106580 985/2052 416/285 4969811/1603935 475/12 31465/228 _____ (a,b,c,d,e) (a,b,c,e,f)
(480) 3328/9075 27/50 89/96 898275/468512 5035275/279752 363/8 _____ (a,b,c,d,f) (a,b,c,e,f)
(487) 1984/23763 2709473/5234136 78/121 66171/22472 329/24 168 _____ (a,b,c,e,f) (a,c,d,e,f)
(498) 2755431/6086872 95/198 351/352 197120/120409 55165/18432 3157/72 _____ (a,b,c,d,f) (b,c,d,e,f)
(505) 6900/69169 23/100 4463004/6583175 44/23 825/92 341649/2300 _____ (a,b,c,d,e) (a,b,d,e,f) [a,b,d,e]
(515) 445056/7438235 37125/480508 89/140 2301/1715 343/20 62400/7 _____ (a,c,d,e,f) (b,c,d,e,f)
(532) 2944/22707 47223/223112 5431335/8503688 15/8 413/54 3520/27 _____ (a,b,d,e,f) (b,c,d,e,f)
(553) 22752/175561 5723872/10169721 1888/2209 341/288 917/288 189/2 _____ (d,e) (a,c,d,e,f) (b,c,d,e,f)
(555) 232832/3493875 35/264 9471231/10609000 11968/2625 3015/616 385/6 _____ (a,b,d,e,f) (b,c,d,e,f)
(579) 7/52 228/325 8900/6877 13611375/4164628 773604/32761 8619/100 _____ (a,b,c,d,f) (a,b,c,e,f)
(580) 4884/72361 13856/103933 516/1813 1147/196 1911/148 13765443/13924 _____ (a,b,c,d,e) (a,c,d,e,f)
(583) 32/171 5827680/14205361 1235/1764 5733233/6086764 44361/3724 4655/9 _____ (a,b,c,e,f) (a,c,d,e,f)
(586) 588/38291 435/308 187/84 14418720/2304533 5383840/66603 4576/21 _____ (a,b,c,d,f) (a,b,c,e,f)
(592) 32/91 60/91 15343900/12215287 1878240/1324801 42/13 12012 _____ (a,b,e) (a,b,c,e,f) (a,b,d,e,f)
(599) 117/1216 68/247 12474735/4194304 76/13 16090815/1149184 45540/247 _____ (a,b,c,d,f) (a,b,d,e,f)
(608) 2045439/16817780 55/441 256/495 3266176/606375 2663199/228980 14705/396 _____ (a,b,c,e,f) (b,c,d,e,f)
(609) 64/357 91/204 88893/54289 16829280/7859831 7315/204 3485/84 _____ (a,b,c,d,f) (a,e,f) (a,b,c,e,f)
(641) 5/93 5800145/21249012 75/124 338272/93615 8151/620 10912/15 _____ (a,b,c,d,e) (a,c,d,e,f)
(642) 4/153 687420/21439193 5786424/13075193 220/17 170/9 1904/9 _____ (a,b,d,e,f) (a,c,d,e,f)
(643) 28/1755 1760/2457 21474180/20151121 1925/156 55444/1365 13689/140 _____ (a,b,c,d,f) (d,e,f) (a,b,d,e,f)
(649) 809523/22848400 289/1200 75/68 128/51 15939/1700 819/68 _____ (a,b,c,d,f) (b,c,d,e,f)
(655) 35/276 559/1380 252/115 24364935/2979076 16454108/1703535 39100/3 _____ (a,b,c,d,f) (a,b,c,e,f)
(670) 2412696/27249103 24/175 49/32 39576/12943 400722/44521 3743/224 _____ (a,b,c,d,f) (b,c,d,e,f)
(673) 60/403 273/620 416/465 28225015/27320052 2108/195 25575/52 _____ (a,b,c,e,f) (a,c,d,e,f)
(692) 6704800/32536647 495/884 46784/57915 1521/935 13882141/2726460 935/52 _____ (a,b,c,d,f) (b,c,d,e,f)
(709) 25/256 3097/9216 16/9 38901060/8300161 137700/2209 8932/81 _____ (a,b,c,d,e) (a,b,c,e,f)
(710) 1061720/39121913 5880504/11506445 62/85 3795/2176 312/85 91035/2048 _____ (a,b,c,e) (a,c,d,e,f) (b,c,d,e,f)
(719) 7000/220323 408/875 21307/21000 469/120 1245/56 41724760/171363 _____ (b,c,d) (a,b,c,d,e) (a,b,c,e,f)
```

(723) 3087932/43126485 36/95 4057900/7346217 651/380 120175/20172 320796/4205 _____ (a,b,d,e,f) (b,c,d,e,f)
(731) 7/108 4197555/36452668 46038720/41847961 928/189 10605/1444 759/7 _____ (a,b,d,e,f) (a,c,d,e,f)
(739) 705/47068 49/60 45/7 13235761/1673340 49100480/2384949 53664/35 _____ (a,b,c,d,f) (a,b,c,e,f)
(751) 189/1952 6161/34848 2632/1525 55552392/9230581 9568/549 3538/9 _____ (a,b,c,e,f) (a,b,d,e,f)
(781) 462/17405 906096/4407865 55/14 1824/385 69745200/5529491 1015/22 _____ (a,b,c,d,f) (a,c,d,e,f)
(791) 155/2484 161/540 81/115 1521312/315005 12320/621 75237255/574564 _____ (a,b,c,d,e) (a,b,c,e,f)
(798) 5/42 65645104/82090083 111520/131061 297990/271441 21/2 3696 _____ (a,b,c,e,f) (a,c,d,e,f)
(835) 76475/5369496 5075/23064 26/105 109562688/20056715 1664/105 1197/40 _____ (a,b,c,e,f) (b,c,d,e,f)
(838) 4275/285628 63/95 536800/335559 608/105 19803/380 113809373/353220 _____ (a,b,c,d,e) (b,c,e,f) (a,b,d,e,f)
(840) 105/3971 39967928/116014441 8/11 830280/151321 336/11 165 _____ (a,b,c,e,f) (a,c,d,e,f)
(906) 15/112 5525940/10452289 17108/29929 183246060/57377383 1023/112 112 _____ (a,b,c,e,f) (a,c,d,e,f)
(908) 15838812/186477245 117/980 18275/28812 64/15 196/15 37700/1083 _____ (a,b,c,d,e) (b,c,d,e,f)
(927) 644/3211 87838520/210047049 2070180/1254931 270/133 476/171 7220/63 _____ (a,b,d,e,f) (a,c,d,e,f)
(943) 17/264 2835/14872 28392/30899 33/8 8360/507 250897185/4706312 _____ (a,b,c,d,e) (a,c,d,e,f)
(973) 5048925/39178952 159049088/307277915 18473/21160 75/56 102/35 3648/35 _____ (a,c,d,e,f) (b,c,d,e,f)
(982) 31/208 384/637 759/637 327544763/73479184 168080976/7687693 105963/784 _____ (a,b,c,d,f) (a,b,c,e,f)
(984) 1894464/11411435 85/273 1143/1820 1313/420 330934240/43388427 2695/156 _____ (b,c,d) (a,b,c,d,f) (b,c,d,e,f)
(1042) 377/76664 33/56 530186888/494128441 963648/32761 1285674/12943 168 _____ (a,b,c,d,f) (a,b,d,e,f)
(1055) 49/480 75956541/586266520 69/280 340095/65522 165120/5887 12155/168 _____ (a,b,c,e,f) (a,c,d,e,f)
(1079) 964288/7182315 480644927/745459560 50/63 63/40 2240/961 4365/56 _____ (a,c,d,e,f) (b,c,d,e,f)
(1111) 55/636 322097589/1001112500 1820/1749 265/132 85932/6625 525548/4125 _____ (a,b,c,d,e) (a,c,d,e,f)
(1127) 43792/477405 56/85 5400/5831 675/119 1158333176/142107165 24769/315 _____ (a,b,c,d,f) (a,b,d,e,f)
(1155) 12/119 1125176416/1493609907 620/357 39984/18769 1430/357 3060/7 _____ (a,c,e) (a,b,d,e,f) (a,c,d,e,f)
(1196) 39387639/1902517372 148/847 1793505/2292196 140/169 105/4 564/7 _____ (a,b,d,e,f) (b,c,d,e,f)
(1215) 320/3993 1463/1215 119893085/78873828 2324448448/577605765 2737/660 1485/4 _____ (a,b,c,e,f) (a,b,d,e,f)
(1224) 3884608/35127059 795440832/2473350275 1479/2200 341/200 375/88 429/2 _____ (a,c,d,e,f) (b,c,d,e,f)
(1230) 5295888/42820019 598107840/2599582453 95/143 968/637 816/143 7605/11 _____ (a,c,d,e,f) (b,c,d,e,f)
(1233) 68/345 2087870708/2641419705 891963/1030580 225/92 207900/31487 736/15 _____ (a,b,c,d,f) (a,c,d,e,f)
(1289) 38134800/4343205409 345587256/2022907931 1048432/2091675 3128/825 75/11 99 _____ (a,c,d,e,f) (b,c,d,e,f)
(1313) 117/968 2240/14079 1272705/554216 1675/312 5162119040/109118883 117/2 _____ (a,b,c,d,f) (a,b,d,e,f)
(1347) 23/495 790977088/7091001405 47817/124820 414577575/172323404 352/5 84175/396 _____ (a,b,c,e,f) (a,c,d,e,f)
(1389) 569557280/9978995733 2941/35301 80/357 534576/387617 1911/17 2040/7 _____ (a,b,c,d,f) (b,c,d,e,f)
(1540) 23375/661344 3768655149/9816807200 286/75 10703/2400 37374941952/6417772321 256/3 _ (a,b,c,d,f) (a,c,d,e,f)
(1575) 27/6776 246356800/52481101701 504/121 38196675/5416376 70/3 7902707176/7882923 ____ (a,b,c,d,e) (a,c,d,e,f)
(1639) 370944/8128201 1460017/11082252 52725/170108 288/575 253/75 93477925125/6327194108 (a,b,c,d,e) (b,c,d,e,f)
(1697) 31/564 67442410112/152855326875 25163424/13140625 475/141 1053/188 22419/100 _____ (a,d,e) (a,b,d,e,f) (a,c,d,e,f)
(1715) 332475/2473088 48706807800/181168501813 3003/3200 59556614/24373969 2688/325 952/13 (a,b,c,e,f) (a,c,d,e,f)
(1720) 251491625/9836809932 109/1500 4669/1500 197636868000/46121428081 27/5 332640/12769 (b,c,e) (a,b,c,e,f) (b,c,d,e,f)
(1785) 19/84 247689/332668 46284225120/22527308281 344548959040/137838840069 55/21 20727/4 (a,b,c,e,f) (a,b,d,e,f)
(2058) 248712/4636823 6/23 614453372/205091041 34371593856600/5609086459201 380/23 1380 __ (a,b,c,e,f) (a,b,d,e,f)

Sextuples containing one regular quintuple

(2) 221/1260 175/324 203/180 81/35 265/28 1120/9 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(3) 225/1156 47/60 287/240 225/64 1463/60 512/15 _____ (b,c,d,e) (b,e,f) (a,b,c,e,f)
(6) 377/1260 119/180 297/140 992/315 175/9 2275/4 _____ (a,b,d) (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(9) 56/465 1240/4107 175/93 792/155 3312/155 2635/3 _____ (a,b,c,e,f) (c,d,e,f)
(10) 925/4116 99/140 25/21 119/60 608/105 693/20 _____ (a,b,c,e) (b,d,e) (b,c,e,f) (a,c,d,e,f)
(13) 9/44 91/132 4420/3993 60/11 44/3 1265/12 _____ (a,b,c,d) (a,b,d,e) (a,b,c,e,f) (a,d,e,f)
(15) 391/2640 1575/4048 3339/5060 2725/3036 1408/345 4301/60 _____ (a,b,d,e) (c,d,e) (a,c,d,e,f)
(18) 215/6864 128/429 1235/528 2457/176 781/39 6435/16 _____ (a,b,c) (a,b,d,e) (a,b,c,e,f) (b,d,e,f)
(19) 3/80 2220/6889 55/16 28/5 1683/80 1680 _____ (a,c,d) (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(23) 1147/5040 243/560 95/112 196/45 7820/567 1100/63 _____ (a,b,c,d) (a,c,d,e) (b,c,d,f) (a,b,d,e,f)
(24) 6/125 1144/1445 483/160 56/5 375/32 8184/5 _____ (a,b,c,e,f) (c,d,e,f)
(25) 65/648 5301/2560 8192/3645 185/32 3905/162 2709/40 _____ (a,b,c,d,f) (a,c,e,f)
(26) 81/560 196/135 285/112 1100/189 7820/189 8463/80 _____ (a,b,c,d,e) (b,c,d,f) (a,b,e,f)
(27) 559/1980 639/880 1024/495 1071/220 8671/880 3025/36 _____ (a,c,d) (b,d,e) (a,b,c,d,f) (b,c,e,f) (a,d,e,f)
(29) 957/7840 3840/5329 426/245 1813/160 1640/49 8745/32 _____ (a,c,d,e) (a,b,c,d,f) (a,d,e,f)
(30) 1860/9317 115/308 28/55 777/220 396/35 825/28 _____ (a,b,c,d) (b,c,d,e) (b,c,e,f) (a,c,d,e,f)
(32) 2324/9801 243/484 20/9 5600/1089 4235/324 155/4 _____ (a,b,d,e) (b,c,d,f) (a,b,c,e,f)
(33) 2077/4104 4160/6897 135/152 10285/4104 9367/2904 38/3 _____ (a,d) (a,c,d,f) (a,b,e,f) (b,c,d,e,f)
(34) 256/2601 2619/9248 395/288 35/8 3179/288 10395/578 _____ (a,b,c,d) (c,d,e) (a,b,e,f) (a,c,d,e,f)
(35) 1199/4200 128/231 378/275 7429/1848 11125/1848 4851/200 _____ (a,c,d) (a,b,c,e) (d,e) (b,c,d,f) (a,c,e,f) (a,b,d,e,f)
(36) 76/1029 5236/11163 420/169 2044/507 370/21 5280/7 _____ (a,b,c,e,f) (c,d,e,f)
(37) 189/800 8/9 378/289 608/225 325/32 11528/225 _____ (a,b,d,e) (a,b,c,e,f) (a,d,e,f)
(38) 2310/9409 141/88 11704/5547 200/33 341/24 6552/11 _____ (b,d,e) (a,b,c,d,e) (b,d,e,f)
(39) 85/1716 3483/2860 2299/780 7136/2145 12727/540 2080/33 _____ (a,b,d) (b,c,d,f) (a,b,c,e,f) (a,d,e,f)
(40) 3/200 3016/12769 6027/5000 2024/625 3003/8 6600 _____ (a,c,d) (a,b,c,e,f) (c,d,e,f)
(41) 1224/12943 152/357 2665/2856 1519/408 4505/168 3906/17 _____ (b,c,d) (a,b,c,d,e) (b,d,e,f)
(42) 21/136 13376/11475 7375/3672 2112/425 357/50 12597/200 _____ (b,c,d,f) (a,b,c,e,f)
(43) 308/5625 3807/13924 4148/4761 14663/2116 623/36 468 _____ (a,b,d,e,f) (c,d,e,f)
(44) 32/405 205/324 2080/729 14805/3364 153/20 77/5 _____ (a,b,c,e) (a,b,e,f) (a,c,d,e,f)
(45) 255/1232 7579/15120 861/880 4444/945 4480/297 3300/7 _____ (a,b,c,d) (a,c,d,e) (a,b,c,e,f)
(47) 77/380 57/55 1632/1045 957/380 893/220 16800/209 _____ (a,c,e) (a,b,d,e,f) (c,d,e,f)
(48) 35/1488 341/768 11439/5776 1280/93 16835/93 9207/16 _____ (a,b,c,d,e) (a,d,e,f)
(49) 1080/11881 1495/1152 4239/2048 17719/4608 62/9 56 _____ (b,c,d,f) (a,b,d,e,f)
(50) 32/297 497/3300 583/75 1625/132 18377/1188 9801/100 _____ (a,b,c,d) (a,d,e) (b,c,d,f) (a,c,e,f) (a,b,d,e,f)
(54) 930/19321 56/93 1131/248 6721/744 840/31 13640/3 _____ (b,c,d) (a,b,c,d,f) (c,d,e,f)
(55) 6292/19881 680/1287 740/143 1026/143 1196/99 16588/9 _____ (c,d) (b,d,e) (a,b,c,d,e) (c,d,e,f)
(56) 6496/19965 35/33 215/132 209/60 1953/220 1683/20 _____ (a,b,c,e) (b,d,e) (a,b,c,d,f) (b,c,e,f)
(60) 17/448 2352/7921 265/448 2145/448 252 23460/7 _____ (a,b,c,e,f) (c,d,e,f)
(62) 33/140 287/660 1525/924 441/55 3575/84 24288/35 _____ (b,c,d,e) (a,b,c,d,f) (b,d,e,f)

(63) 2376/24367 208/693 391/77 7560/1331 1760/63 5635/99 _____ (b,c,d,f) (c,e,f) (a,b,c,e,f)
(64) 3069/6724 24101/26244 2144/2025 1325/324 3825/529 704/25 _____ (b,c,d,f) (a,b,c,e,f)
(66) 43/324 5760/12769 1147/1296 9243/6724 26752/6561 187/16 _____ (a,b,c,d,f) (a,c,e,f)
(68) 231/2080 256/455 65/56 1995/416 28509/1120 8715/26 _____ (a,b,c,d) (b,c,d,e) (a,b,c,e,f) (b,d,e,f)
(69) 549/4900 6272/28227 23375/28812 323/147 741/100 1056/25 _____ (a,c,d,e) (b,c,d,e,f)
(70) 2232/27455 209/1440 742/855 15200/2601 28971/3040 1312/95 _____ (a,b,d,e) (a,c,d,f) (b,c,d,e,f)
(72) 57/1540 55/28 224/55 1071/220 5133/385 30855/28 _____ (a,b,c) (a,b,c,e) (b,d,e) (a,b,c,d,f) (c,d,e,f)
(75) 13/55 3267/5780 725/396 2752/495 2387/180 31968/55 _____ (a,b,c,d,f) (c,d,e,f)
(76) 3692/32805 5832/18605 220/81 970/81 212/5 28152/5 _____ (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(77) 57/2960 52/185 6205/592 1221/80 33300/841 8580/37 _____ (a,b,c,d) (b,c,d,f) (a,b,d,e,f)
(78) 1525/33396 299/2700 28/69 14725/2484 6804/575 299/12 _____ (b,c,d,e) (a,b,c,e,f)
(81) 220/3213 98/255 580/357 1836/35 34720/459 34408/105 _____ (a,b,d,e) (a,b,c,d,f) (b,c,e,f)
(83) 17/120 728/2295 122/255 1325/408 5643/680 35224/15 _____ (a,b,c,d) (a,c,d,e) (a,b,d,e,f)
(84) 8241/35000 322/675 3904/4725 249/56 35525/1944 18225/56 _____ (a,b,c,d) (b,c,d,e) (a,b,c,e,f)
(86) 132/2023 35685/32368 37632/17161 1445/112 880/7 3507/16 _____ (a,b,c,d,f) (a,b,e,f) (d,e,f)
(89) 693/1520 5525/6384 969/560 39900/10201 988/105 9856/285 _____ (a,b,c,e) (a,b,c,d,f) (a,b,e,f)
(90) 759/2450 64/147 14896/18723 39904/3675 402/25 1625/6 _____ (b,d,e) (a,b,c,e,f) (a,d,e,f)
(93) 27720/44521 1035/1408 27863/30720 296/165 14105/4224 286/15 _____ (b,c,e,f) (a,c,d,e,f)
(95) 55/372 8928/11449 799/372 427/93 2880/31 46345/12 _____ (a,c) (a,c,d) (a,b,c,d,f) (c,d,e,f)
(98) 25/456 184/285 8866/2565 1007/120 1512/95 51623/1080 _____ (a,b,c,d) (a,b,d,e) (a,c,e,f) (a,b,d,e,f)
(99) 8/51 9765/49096 333/136 52360/6627 3213/8 3910/3 _____ (a,b,c,d,e) (a,c,e,f)
(103) 851/2520 35775/53816 4536/4805 917/360 1768/315 950/63 _____ (a,b,c,e) (a,d,e) (b,c,d,f) (a,c,d,e,f)
(105) 1274/15987 28305/57344 5995/10752 735/512 152/21 288/7 _____ (b,c,d,e) (a,b,c,e,f) (c,d,e,f)
(106) 175/12168 25/56 4158/4805 376/315 57664/315 28539/40 _____ (b,d,e,f) (a,c,d,e,f)
(108) 1700/19881 2132/5625 108/25 158/25 572/9 63800/9 _____ (c,d) (b,c,d,e) (a,b,c,d,f) (c,d,e,f)
(109) 37/540 1107/740 4081/2220 800/111 19040/999 63973/60 _____ (b,c,d) (a,b,d,e) (a,b,c,d,f) (c,d,e,f)
(110) 99/2800 10500/5329 52/21 65593/8400 357/16 44772/25 _____ (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(111) 85/1248 507/544 1071/416 5320/663 3870/221 66304/663 _____ (a,b,c,d) (a,b,d,e) (b,c,d,f) (a,b,c,e,f)
(112) 33/280 77/270 384/385 9275/2376 70499/7560 2625/88 _____ (a,b,c,d) (c,d,e) (b,c,e,f) (a,c,d,e,f) [abcf = 1]
(113) 6525/54872 238/285 209/120 2368/285 2925/152 70889/120 _____ (a,b,d,e) (a,b,c,d,f) (b,d,e,f)
(115) 627/3584 20480/73101 267/224 1519/384 1105/168 555/14 _____ (a,b,c,d,f) (a,d,e,f)
(116) 17/120 2088/12005 50/147 5499/1960 833/120 73800/361 _____ (a,b,c,d) (a,c,d,e) (a,b,d,e,f)
(118) 65/408 85/78 1408/663 18445/4992 37323/2176 79443/136 _____ (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(119) 252/11881 24115/80656 35/16 37884/5041 24060/961 627/16 _____ (b,c,d,f) (a,c,d,e,f)
(120) 184/273 1521/896 38465/19968 760/273 1870/273 82467/1664 _____ (a,d,e) (a,b,c,d,e) (b,c,d,f) (a,b,e,f)
(121) 135/1696 8480/12321 83160/72557 1246/477 928/53 36835/288 _____ (b,c,d,e) (a,b,d,e,f)
(124) 3335/40344 17856/85805 33/40 45/8 70/3 59059/120 _____ (a,b,c,d,e) (c,d,e,f)
(126) 145/572 1173/2860 50820/89557 132/65 364/55 1365/44 _____ (a,b,d,e) (a,d,e,f) (b,c,d,e,f)
(130) 6656/17457 847/624 855/572 377/132 3315/704 91805/1716 _____ (a,b,c,d,f) (b,c,e,f)
(132) 44268/96721 875/972 24893/18900 2324/675 159/28 4884/175 _____ (b,c,d,f) (a,b,c,e,f)
(134) 24/539 220/289 6468/5041 40/11 7332/539 98670/2401 _____ (a,b,c,d,f) (a,d,e,f)
(137) 3213/99944 1729/1800 4664/2925 56/13 21573/2600 650/9 _____ (a,b,c,d,f) (b,c,e,f)

(138) 6300/100489 876/4805 111/80 231/80 76/5 4515/16 _____ (a,b,c,d,e) (c,d,e,f)
(139) 2009/100820 416/2205 4301/2205 12685/1764 4165/36 1485/4 _____ (b,c,e,f) (a,b,d,e,f)
(141) 957/104188 39809/74892 3445/924 595/132 357/11 15840/7 _____ (a,b,c,e,f) (c,d,e,f)
(142) 85/696 58/147 7337/1176 6517/696 360/29 106560/1421 _____ (a,b,c,e) (a,d,e) (a,b,c,d,f) (a,c,e,f)
(144) 177/544 1400/1003 102/59 109032/28577 6840/1003 54315/1888 _____ (b,c,e) (a,b,c,d,f) (a,b,e,f)
(145) 4048/28125 97000/109503 189/115 419/115 7000/207 39928/45 _____ (c,d) (b,c,d,e) (a,b,c,d,f) (c,d,e,f)
(146) 8827/69696 1600/1089 3267/1600 427/100 112347/12100 2368/9 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f)
(148) 154/1593 1480/1593 2679/1888 4960/1593 885/32 114696/1681 _____ (a,b,d) (b,c,d,e) (a,b,c,e,f)
(152) 8845/127008 8/49 13640/3969 1274/81 765/32 72 _____ (b,c,d,f) (a,c,e,f) (a,b,d,e,f)
(153) 1/10 109725/131072 5280/1681 2485/512 31521/2560 288/5 _____ (a,b,d,e) (a,b,c,e,f) (a,d,e,f)
(154) 108/595 820/1071 133280/71289 3618/595 1960/153 9724/35 _____ (a,b,c,d,f) (b,d,e,f)
(156) 43/1700 130272/134657 1743/425 51/4 29667/1700 14875/4 _____ (a,b,c,d,f) (c,d,e,f)
(161) 23616/148837 2223/3136 4048/1911 13/3 4851/832 7696/147 _____ (b,c,e,f) (a,b,d,e,f)
(162) 125/308 3741/7700 343/275 1056/175 148896/8575 759/28 _____ (a,b,c,d) (a,b,d,e) (a,c,d,f) (a,b,c,e,f)
(164) 77/360 755/792 90155/64152 28475/10648 567/110 155584/3645 _____ (b,c,e,f) (a,b,d,e,f)
(167) 16560/161051 1456/3795 285/506 1472/165 1155/46 8602/15 _____ (b,c,d,e) (a,b,c,e,f) (c,d,e,f)
(168) 7030/79707 2013/1480 164169/67240 2408/555 1295/24 51480/37 _____ (a,b,c,d,f) (b,d,e,f)
(170) 18676/75615 111600/170723 434/435 1180/609 1848/145 4524/35 _____ (b,c,d,e) (a,b,c,e,f) (c,d,e,f)
(173) 3108/177419 4004/9747 604/297 3604/297 552/11 5082 _____ (a,b,c,e,f) (c,d,e,f)
(175) 11/192 35/192 155/27 512/27 1235/48 180873/16 _____ (a,b,d,e) (a,b,c,d,f) (c,d,e,f)
(177) 47320/186003 2712/4459 13283/19656 570/91 53669/2808 3003/8 _____ (a,b,c,d,f) (c,d,e,f)
(178) 125/1092 441/1300 2717/525 5408/525 1632/91 187829/1092 _____ (a,b,c,d) (a,b,d,e) (a,b,c,d,f) (b,c,e,f)
(179) 165/592 104481/189440 2975/1776 3515/1587 1792/555 1591/240 _____ (a,b,c,f) (b,c,d,e)
(181) 425/1092 43953/39605 441/260 480/91 7657/420 191840/273 _____ (a,b,c,d,e) (c,d,e,f)
(182) 13/105 425/1092 441/260 480/91 7657/420 191840/273 _____ (a,b,c,d) (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(184) 102/1225 72912/196249 49/50 26128/1225 4125/98 3648 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(188) 41184/208537 69/217 1023/1372 343/124 6201/868 1271/28 _____ (a,b,d,e) (b,d,e,f) (a,c,d,e,f)
(189) 23/572 5280/36517 3245/8788 2016/143 211497/11236 975/11 _____ (a,b,d,e) (a,c,d,e,f)
(191) 3/55 2277/19220 224/165 2223/220 275/12 218816/165 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(192) 70725/220448 741/800 350/243 24648/15625 6944/2187 189/32 _____ (b,c,d,e,f)
(193) 5600/65559 321/1820 1356/455 1924/105 220864/195 52325/12 _____ (a,b,c,d,f) (b,c,e,f)
(197) 34071/229276 2976/13225 219/775 231/124 2375/124 1984/25 _____ (a,b,c,e,f) (c,d,e,f)
(198) 78208/229635 17248/47385 279/455 247/140 23075/2268 8415/364 _____ (a,b,e,f) (b,c,d,e)
(199) 27/1856 21420/229709 2065/5568 116/3 23693/192 12880/87 _____ (a,c,e,f) (a,b,d,e,f)
(203) 160/4107 236/4335 18040/30603 248216/20535 828/5 630 _____ (a,b,c,e,f) (a,d,e,f)
(204) 164/507 1955/1452 252/121 148044/63001 253700/61347 41745/676 _____ (a,b,c,d,f) (b,c,e,f)
(205) 147/640 865/3584 190920/255367 488/35 22185/896 1974/5 _____ (a,b,d,e) (a,b,c,d,f) (a,d,e,f)
(208) 288/29435 18920/6727 128/35 262392/18515 195/7 47775/841 _____ (a,c,e,f) (a,b,d,e,f)
(211) 704/13005 35/72 13115/20808 2023/1000 267007/104040 54/5 _____ (a,b,e) (a,b,c,d,f) (b,c,e,f) (a,d,e,f)
(212) 2024/75615 279/440 376/165 278425/31944 4032/55 23023/120 _____ (b,c,d,e) (a,b,c,d,f)
(213) 1664/4725 54575/91476 3239/3024 279531/48400 7533/700 833/12 _____ (a,b,c,d) (a,b,c,e,f)
(214) 288/715 2522/4125 121220/175071 1260/143 280364/2145 1716/5 _____ (a,b,c,d,f) (a,b,e,f)

(215) 384/1805 100815/283024 575/784 899/980 339/80 4851/20 _____ (a,b,d,e) (c,d,e) (a,c,d,e,f)
(217) 280/1581 145080/291737 93/136 170/93 1683/248 26488/1581 _____ (a,c,d,e) (a,c,e,f) (b,c,d,e,f)
(218) 8463/106480 903/880 108/55 293040/121801 80/11 1265/16 _____ (a,b,c,e) (b,c,e,f) (a,c,d,e,f)
(222) 57232/310249 1161/4802 54/49 76912/21609 245/18 1312/9 _____ (b,c,d,e) (a,b,d,e,f)
(226) 19404/103247 96/253 9204/12397 1748/539 286/23 323748/539 _____ (b,c,d,e) (a,b,c,e,f)
(230) 104/1035 40/207 10465/5832 38947/8280 322/5 333963/920 _____ (a,b,c,d) (a,b,c,e,f) (b,d,e,f) [a,b,c,e]
(231) 45/2288 66924/345845 460/429 1573/240 30044/2145 49203/1040 _____ (a,c,d,e) (a,b,c,e,f) (a,d,e,f)
(233) 5148/17405 28/45 56925/47524 347913/255380 352/45 725/4 _____ (a,b,c,e,f)
(234) 13728/354571 123/1036 60384/65863 8723/1036 441/37 2479/28 _____ (a,b,d,e) (b,d,e,f) (a,c,d,e,f)
(236) 899/40960 172032/361805 335/128 411/40 4179/160 5775/2 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(241) 35360/390963 5415/19652 1241/1083 301/204 164151/24548 255/4 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(242) 21/352 237/352 398090/236883 280/33 1573/96 4680/11 _____ (a,b,d,e) (a,b,c,d,f) (b,d,e,f)
(243) 3/13 41067/128164 805/1404 401632/255879 1105/108 21280/351 _____ (a,b,c,d,e) (c,d,e,f)
(244) 13/132 100188/196249 24180/15059 316/33 403535/16428 69615/44 _____ (a,b,c,d,f) (c,d,e,f)
(250) 53/195 118976/333015 833/780 48375/27508 418817/19500 1287/20 _____ (a,b,c,d,e) (a,c,e,f)
(256) 31/242 1071/3872 999/968 457191/55112 847/72 512/9 _____ (a,b,d,e,f)
(258) 13365/464648 13/72 57794/42849 129920/62001 11480/4761 85/8 _____ (a,b,c,d,f) (b,c,e,f)
(260) 160/861 615/1372 239136/482447 382571/95052 945/164 46189/3444 _____ (a,c,e,f) (b,c,d,e,f)
(269) 5565/42436 3808/22707 175/108 568480/137781 39/7 478515/23548 _____ (b,c,e,f) (a,c,d,e,f)
(273) 4851/175232 75392/585669 49/24 4653/896 128/21 2431/42 _____ (a,b,d,e,f)
(276) 6417/614656 495/1472 1421/1104 533/69 23851/768 47104/147 _____ (b,c,d,e) (a,c,d,e,f)
(279) 205/768 296496/623045 1659/1280 22971/5120 272/15 60 _____ (a,c,d,e) (a,c,e,f) (a,b,c,e,f)
(281) 9/260 2345/9477 288288/630125 65/4 239776/5265 234080/1053 _____ (a,b,c,d,e) (a,d,e,f)
(283) 4081/223200 91791/199712 62/9 608/31 10472/279 632808/31 _____ (a,b,c,d,f) (c,d,e,f) [b,c,e,f]
(287) 188/429 33264/36517 476/429 134685/36608 13585/768 641355/4096 _____ (a,c,d,e) (a,b,c,d,f) (a,d,e,f)
(288) 2599/51840 76950/657721 315/128 128/5 21879/640 31328/405 _____ (a,c,e,f) (a,b,d,e,f)
(290) 145860/668233 215/388 84/97 99231/40804 1495/388 3492 _____ (b,c,e) (a,b,d,e,f)
(293) 25900/690561 216/185 4004/1665 518/45 7344/185 166600/37 _____ (a,b,c,d,f) (c,d,e,f)
(294) 120/539 15990/40931 215028/190969 172/11 699720/40931 484 _____ (a,b,c,d,f) (b,d,e,f)
(297) 45375/725788 33117/292820 59/140 1953/605 6560/847 1815/28 _____ (b,c,d,e) (a,b,d,e,f) (c,d,e,f)
(304) 11825/89376 6/19 57/32 33592/3675 442323/15200 792832/3675 _____ (a,c,d,e) (a,b,c,e,f) (a,d,e,f)
(312) 55352/891075 1000/2673 38831/59400 1944/275 781/24 6578/75 _____ (a,b,c,d,e) (b,c,e,f)
(318) 1125/7616 391/525 512/357 22581/1904 31059/400 933793/4800 _____ (b,c,d,e) (a,b,c,d,f) (a,c,e,f)
(323) 49/300 261/700 301/75 775/84 988000/94269 576/7 _____ (a,b,c,d) (b,c,d,f) (a,b,c,e,f)
(325) 17391/779744 50505/143648 1012480/942841 24/7 1615/224 882 _____ (a,c,d,e,f)
(336) 53/460 1600/1863 153/115 1128771/557780 9499/1620 124775/2916 _____ (a,b,c,e) (a,b,c,d,f) (b,c,e,f)
(346) 16352/1339533 266175/784996 1763/1300 800/117 819/25 606803/468 _____ (a,b,c,d,e) (c,d,e,f)
(360) 154077/1632160 142680/367087 77/160 102/35 1455/224 264040/10201 _____ (c,d,e) (a,d,e,f) (b,c,d,e,f) [a,b,c,f]
(362) 49/624 12928/6825 468/175 1339/336 265489/15600 1693375/4368 _____ (a,c,d,e) (a,b,c,d,f) (b,c,e,f)
(365) 25/1452 6601/187500 1743075/264196 423/25 84987/2500 544/3 _____ (a,b,c,e,f) (b,d,e,f)
(366) 206280/1206143 715/1656 203320/57121 2835/184 322/9 1746955/1656 _____ (a,b,c,d,e) (b,d,e,f)
(367) 3663/92416 9408/36481 5/12 2583/256 1088/3 1747695/256 _____ (a,b,c,e,f) (c,d,e,f)

(371) 184175/1957072 7680/21853 195/64 231/52 91/16 17391/52 _____ (a,b,c,e,f) (c,d,e,f)
(372) 4/105 15351/106580 11925/3388 1971072/357035 1175/84 756/5 _____ (a,b,c,e,f)
(375) 15/56 58/105 7007/3000 2032520/557283 36363/280 32136/35 _____ (a,b,c,d,f) (b,c,e,f)
(381) 15/112 544880/2093809 415/112 444/35 1104/35 4557/80 _____ (a,c,d,f) (c,e,f) (a,b,c,e,f)
(382) 41/138 24720/42527 1692432/2105401 13754/5547 399/46 331296/22103 _____ (a,b,d,e) (a,c,d,e,f)
(383) 212160/674041 13/34 429/136 2119545/510952 7872/221 25585/104 _____ (b,c,d,e) (a,b,c,d,f) (b,c,e,f)
(385) 503625/2148412 203/340 78144/100555 27936/14875 6789/2380 119/5 _____ (a,b,c,d,f) (b,d,e,f)
(389) 15008/70395 262944/586625 1001/1500 1105/1083 985/156 2180079/260 _____ (b,c,d,e) (a,c,d,e,f)
(400) 116/693 219373/535824 3033/1232 2393820/255367 104995/1008 3920/11 _____ (a,b,c,d,f) (a,c,e,f)
(401) 1540/11271 26/135 9880/15987 1232/195 2447172/93845 540/13 _____ (a,b,c,d,e)
(406) 85/988 117/380 577065/89167 14304/1235 1216/65 2649075/31684 _____ (a,b,c,d) (a,b,d,e) (a,b,c,e,f)
(411) 4255/13328 1443/1360 1280/833 2711415/620944 300/17 14076/245 _____ (a,b,c,d,f) (a,b,e,f)
(413) 315700/2724261 308/705 2088/1645 700/141 846/35 70312/105 _____ (b,c,d,e) (a,b,c,e,f) (c,d,e,f)
(416) 95761/436800 100/273 7227/5824 1693444/950313 364/75 2806713/160000 _____ (a,b,c,e) (a,c,e,f) (b,c,d,e,f)
(418) 646668/2820005 22724/52215 50/69 110600/36501 504/115 6324/115 _____ (a,b,c,e,f) (c,d,e,f)
(424) 581/3216 27671/122412 495/268 577280/58089 2919735/225388 335/12 _____ (a,b,d,e,f)
(435) 404600/3188883 248216/471495 135/136 1346175/506056 1128/85 442/15 _____ (a,c,d,e,f)
(436) 7/1920 283360/3201267 549/640 288/5 28595/384 44950/3 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(438) 8064/597529 553/1200 819/100 1408/75 16225/48 3337875/16 _____ (b,c,d,e) (a,b,c,d,f) (c,d,e,f)
(439) 18055/643552 256/119 105/34 3347199/643552 43095/2744 861441/5408 _____ (a,c,d) (a,b,d,e) (b,c,d,f) (a,b,c,e,f)
(449) 228655/3609156 33/67 91455/106276 1615/804 384/67 469/12 _____ (a,b,d,e) (a,b,c,e,f) (b,d,e,f)
(461) 16/325 23436/36517 250/117 2376/325 4732/225 4021996/2925 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(471) 143/720 135/208 4746060/4208893 767/80 13244/585 73600/117 _____ (a,b,d,e) (a,b,c,d,f) (b,d,e,f)
(474) 299676/1452605 3016/12495 72/85 50/51 4873900/871563 63308/15 _____ (a,c,d,e) (b,c,d,e,f)
(477) 84847/4929096 41536/157323 429/472 1064/177 738/59 7493/24 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(483) 482560/857157 657/952 5049408/4541161 25905/11662 1085/408 1819/168 _____ (a,b,d,f) (b,c,d,e,f)
(499) 4488/37303 2978808/6145441 87/119 325/119 2280/119 968240/4913 _____ (c,d) (a,b,c,d,e) (c,d,e,f)
(509) 15500/196677 248/2925 2127944/6734025 12692/2925 378/13 104 _____ (b,d,e,f) (a,c,d,e,f)
(523) 364572/4984831 1842800/7932063 540/589 152/93 1364/57 68510/57 _____ (a,b,d,e,f)
(529) 844662/8333405 41943/101920 1075/416 4600/637 232407/2080 1560 _____ (a,b,c,d,f) (b,d,e,f)
(531) 243571/5312160 3808/12555 10013/10080 1960/527 8455382/1494045 37665/3808 _____ (a,b,c,d) (a,c,d,f) (a,b,e,f) (b,c,d,e,f)
(544) 41/160 1005/1312 9520200/3279721 330/41 3808/205 82041/160 _____ (a,b,c,d,e) (b,d,e,f)
(563) 24/665 112/95 11451300/5067001 494/35 3600/133 1254396/665 _____ (a,b,d,e) (a,b,c,d,f) (b,d,e,f)
(565) 2603/8092 61152/83521 11513760/7126567 2037/1156 55/7 1035/28 _____ (a,b,d,e) (a,b,c,e,f) (a,d,e,f)
(570) 2895200/11916147 362/705 5288976/5217235 1591/1410 400/141 4277/270 _____ (a,b,c,d,f) (b,d,e,f)
(603) 1326025/16376256 17472/78961 21505/22464 3445/1728 2512/351 972/13 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(616) 5/324 13765633/17634420 334125/217156 928/45 637/5 77737/180 _____ (a,b,c,d,f) (a,d,e,f)
(626) 8194095/18992164 203/180 30316/9135 532/145 64325/7308 35100/203 _____ (b,c,e) (a,b,c,d,e) (b,d,e,f)
(633) 984675/19678096 516/4655 1311/3920 5300/931 97461/1520 3116/5 _____ (a,b,d,e,f) (c,d,e,f)
(634) 53/760 2149056/9667295 6783/4840 1573/760 20203200/1933459 1767/10 _____ (a,d) (b,c,d,e) (a,c,d,e,f)
(648) 2323776/22770575 125/184 299/392 66/23 248331/9800 159936/575 _____ (a,b,c,d,e) (c,d,e,f)
(657) 96/1397 10544303/24580596 20677/16764 561/127 1651/132 7754112/15059 _____ (a,b,c,d) (a,c,d,e) (a,b,d,e,f)

(660) 245/1452 576/845 6592/1815 845/192 6975/676 25073257/162240 _____ (a,b,c,e) (a,b,c,d,f) (b,d,e,f)
(677) 19/80 9364224/28632245 102375/65536 99/20 422499/20480 13056/125 _____ (a,c,d,e) (a,b,c,e,f)
(681) 539/12996 197/252 2528/1575 539/100 29310176/632025 2025/7 _____ (b,c,d) (a,b,c,e,f)
(690) 1218560/31752611 14391/19712 111/77 34191/19712 2453/448 1155/16 _____ (b,d,e) (a,b,c,e,f) (c,d,e,f)
(703) 42/65 37290240/33953929 103400/36517 1785/416 793/160 21198177/449440 _____ (a,b,c,d,e) (a,c,d,f)
(722) 609/3520 455/2112 11874240/43080851 99/20 320/33 60137/960 _____ (a,b,d,e) (a,d,e,f) (b,c,d,e,f)
(783) 6741/466412 18500148/71081761 781/1292 1820/323 204/19 12255/68 _____ (a,c,d,e) (a,b,d,e,f) (c,d,e,f)
(831) 12/35 106670772/85942115 44100/28561 506/105 10515400/1550883 67592/2535 _____ (a,b,c,d,f)
(860) 39485/427716 49/180 1760/441 1969/180 18981/245 131703165/9604 _____ (b,c,d,e) (a,b,c,d,f) (c,d,e,f)
(975) 9/40 55/96 569088/718205 308556175/135261024 175/6 93184/15 _____ (a,b,c,d,e)
(992) 399/9280 35/116 493/560 14433/4060 10725/812 343211520/5165167 _____ (a,b,c,d) (b,c,d,e) (a,b,c,e,f)
(1018) 11/336 2145/5488 436039680/326446687 4329/448 323/21 53165/768 _____ (a,b,d,e) (a,b,c,d,f) (a,d,e,f)
(1034) 31/136 316710/758641 63/136 11560/729 408320/12393 503758535/472392 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f)
(1134) 22059/286720 693/640 925/672 1045/168 1203937280/29334387 1631/30 _____ (a,b,c,d) (b,c,d,f) (a,b,c,e,f)
(1177) 202464/1723025 1679208300/1687648561 250/123 7912/3075 504/41 21812/75 _____ (a,c,d,e) (a,b,c,d,f) (c,d,e,f)
(1464) 134/525 308407/709800 49/24 190125/29624 402696/13225 19381436096/46935525 _____ (a,c,d,e) (a,b,c,d,f) (b,d,e,f)

Regular Sextuples

(17) 249/2048 3720/6241 715/384 369/128 38/3 920/3 _____ (a,c,d,e) (a,b,c,e,f) (c,d,e,f) [a,b,c,d,e,f]
(20) 33/152 7360/5491 4275/2312 1209/152 19/2 1920/19 _____ (a,b,c,e) (b,c,d,f) (a,d,e,f) [a,b,c,d,e,f]
(91) 232/1875 150/529 209/96 40672/1587 24864/625 3675/32 _____ (a,b,d,e) (b,c,d,f) (a,c,e,f) (a,b,c,e,f) [a,b,c,d,e,f]
(101) 2261/37752 29/78 989/1248 52793/24576 819/8 30447/104 _____ (b,c,e,f) [a,b,c,d,e,f]
(107) 1695/23276 3/11 143/108 59840/14283 1335/44 29536/297 _____ (a,b,c,d) (b,c,e,f) (a,d,e,f) [a,b,c,d,e,f]
(160) 780/19321 107/1500 11935/4332 146372/9375 4284/125 1005/4 _____ (a,b,c,e,f) (b,d,e,f) [a,b,c,d,e,f]
(209) 476/4107 30084/76313 118/51 171864/23273 266084/23763 456/17 _____ (a,c,d,f) [a,b,c,d,e,f]
(238) 12870/71407 2679/4480 114513/40960 382075/57344 888/35 1960 _____ (b,c,d) (c,d,e,f) [a,b,c,d,e,f]
(247) 65455/411864 103/96 275575/185856 2445/968 213/8 252343/726 _____ (b,c,d,e) (b,d,e,f) [a,b,c,d,e,f]
(252) 6/65 68103/437320 616/65 10920/841 1955/104 975/8 _____ (a,b,d,e) (b,c,d,f) (a,c,e,f) [a,b,c,d,e,f]
(286) 38571/638428 61152/185761 173/189 3479/972 12617/756 1824/7 _____ (c,d,e,f) [a,b,c,d,e,f]
(292) 25900/690561 100/333 216/185 4004/1665 518/45 7344/185 _____ (b,c,d,e) (b,c,e,f) [a,b,c,d,e,f]
(384) 17255/149784 247/408 1122/961 2138455/392088 1653240/106097 504/17 _____ (a,c,d,e) (b,c,d,f) (a,b,e,f) [a,b,c,d,e,f]
(394) 23529/209503 30976/71407 49/44 2304393/234476 429/28 39648/11 _____ (a,b,c,e,f) [a,b,c,d,e,f]
(462) 335013/3250000 2917200/4053847 2847/2800 413/208 1456/25 53475/91 _____ (c,d,e,f) [a,b,c,d,e,f]
(491) 703560/5555449 3243/4576 248/143 913/416 7215/352 51510/143 _____ (b,c,d,e) (c,d,e,f) [a,b,c,d,e,f]
(540) 400767/1920800 24/49 439967/39200 9389406/765625 24 479167/800 _____ (a,b,c,e) (b,c,e,f) [b,e] [a,b,c,d,e,f]
(1090) 1491/21218 435/968 3219/3872 824719360/314956009 1008384/19321 475/8 _____ [a,b,c,d,e,f]

Irregular Sextuples containing no regular quintuples

(88) 1147/5040 243/560 95/112 38269/6480 7820/567 1100/63 _____ (a,b,d,e) (a,c,d,f)

(125) 20075/74892 179/300 86625/27556 1316/75 299/12 836/3 _____ (b,d,e)

(158) 6580/145119 145/624 1393/624 8944/867 252/13 1287/16 _____ (b,c) (b,c,e,f)

(165) 357/10400 31122/156025 264/325 1001/800 2125/416 456/13 _____ (a,c,d,e) (c,d,e,f) [b,c,d,f]