

Supplement to Cyclic Large Sets of Steiner Triple Systems of Order 15

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APPENDIX
Summary Listing

cycle vector	STS	solution number(s)
(0,0,15,90)	80	
(0,15,11,79)	71	134,19,23,29,38,73,
(0,15,14,76)	69	138,146,61,65,
(0,15,16,74)	67	10,135,155,184,91,
(0,15,16,74)	72	
(0,18,11,76)	68	108,151,213,26,79,
(0,18,13,74)	78	43,
(0,18,14,73)	66	223,227,238,241,252,9,94,
(0,18,21,66)	73	
(0,18,9,78)	79	0,2,
(0,21,14,70)	65	118,148,166,215,235,51,96,
(0,21,15,69)	75	211,74,
(0,21,7,77)	62	167,183,27,
(0,21,7,77)	63	30,
(0,24,7,74)	74	
(0,27,12,66)	70	123,147,163,177,206,48,53,85,
(0,30,10,65)	64	170,217,45,76,
(0,30,5,70)	76	161,246,
(0,42,7,56)	61*	111,
(0,6,15,84)	77	113,186,59,
(1,12,11,81)	57	127,185,191,250,50,83,98,
(1,15,12,77)	50	110,21,49,87,
(1,18,12,74)	49	126,197,4,
(1,18,14,72)	46	139,212,32,40,92,
(1,18,18,68)	60	103,124,181,60,
(1,21,10,73)	48	114,169,172,180,42,6,68,
(1,21,12,71)	56	154,158,17,173,176,229,62,90,
(1,21,20,63)	42	106,16,216,244,67,70,97,
(1,21,7,76)	58	101,145,160,192,224,225,226,36,72,75,
(1,21,8,75)	44	115,
(1,24,12,68)	45	190,41,
(1,24,12,68)	52	100,104,140,200,205,249,34,58,
(1,24,15,65)	55	11,116,44,
(1,27,9,68)	47	157,162,187,198,
(1,33,8,63)	33	12,156,189,20,232,236,242,
(1,36,16,52)	59	136,143,240,81,
(1,36,9,59)	32	174,66,86,
(2,12,12,79)	37	1,
(2,21,13,69)	38	131,175,239,24,
(2,21,15,67)	51	121,203,248,28,3,39,69,
(2,24,4,75)	36	220,71,
(2,24,9,70)	53	109,178,209,230,233,54,

Complete Listing of Solutions

cycle vector	STS	solution number(s)	Factorizations :	Base blocks (listed L-R and down) :
(2,27,13,63)	54	129,144,194,257,78, 255,	1- 1,12 2,11 3,10 4,9 5,8 6,7	1 3 9 2 5 6 4 10 12 8 7 11 0 1 12
(2,30,10,63)	34	195,207,210,228,47,64,	2- 1,2 3,10 4,8 5,7 6,11 9,12	0 2 11 0 4 9 0 8 5 0 3 10 0 6 7
(2,30,10,63)	39	149,159,165,251,37,56,	3- 1,2 3,11 4,10 5,7 6,9 8,12	1 2 10 2 4 7 4 8 1 8 3 2 3 6 4
(3,21,6,75)	43	107,77,	4- 1,2 3,12 4,10 5,8 6,11 7,9	6 12 8 12 11 3 11 9 6 9 5 12 5 10 11
(3,33,5,64)	27	201,218,254,35,	5- 1,2 3,6 4,11 5,10 7,9 8,12	10 7 9 7 1 5
(3,33,6,63)	30	130,15,46,93,	6- 1,2 3,6 4,11 5,9 7,12 8,10	
(3,36,7,59)	28	117,5,	7- 1,2 3,6 4,9 5,12 7,11 8,10	
(3,42,4,56)	19*	119,13,141,	8- 1,2 3,7 4,11 5,10 6,8 9,12	
(3,42,7,53)	22	168,221,95,	9- 1,2 3,7 4,12 5,11 6,9 8,10	
(4,24,8,69)	41	137,80,	10- 1,2 3,9 4,12 5,7 6,10 8,11	
(4,27,7,67)	40	152,182,245,7,99,	11- 1,3 2,5 4,11 6,10 7,12 8,9	
(4,42,1,58)	31	125,153,237,52,82,	12- 1,3 2,6 4,11 5,8 7,12 9,10	
(4,42,3,56)	23	142,33,8,	13- 1,4 2,7 3,12 5,11 6,8 9,10	
(4,45,5,51)	24	128,57,	14- 1,5 2,3 4,11 6,9 7,12 8,10	
(4,48,4,49)	20	18,		
(5,24,10,66)	35	179,247,253,63,		
(5,45,7,48)	21	208,219,		
(5,54,4,42)	11	102,105,120,132,150,202,231,555,84,		
(7,36,4,58)	29	171,188,214,22,88,89,		
(9,33,4,59)	25	164,234,		
(11,36,4,54)	26			
(11,42,0,52)	15			
(11,42,0,52)	18			
(13,54,0,38)	10	122,133,		
(13,54,0,38)	9	112,199,204,222,		
(13,57,4,31)	12	14,193,		
(15,66,0,24)	6	243,		
(21,36,0,48)	7*			
(21,36,0,48)	13			
(25,36,0,44)	14			
(25,36,0,44)	8	196,31,		
(29,60,0,16)	4			
(29,60,0,16)	5			
(49,0,0,56)	16			
(49,24,0,32)	3			
(57,48,0,0)	2			
(105,0,0,0)	1*			

Solutions :

- # 0 F-6 m=7 F-13 m=7 0 0 0 0 1 5 9 6 3 2 11 2 0 4 7 6 0 12 8 5 0 10
- # 1 F-13 m=1 F-14 m=7 0 0 0 0 1 5 9 6 3 2 11 2 6 4 7 6 5 12 8 5 2 10
- # 2 F-6 m=1 F-13 m=2 0 0 0 0 3 6 1 2 9 5 3 1 12 8 9 3 10 11 1 9 4 7
- # 3 F-3 m=5 F-3 m=3 8 8 10 12 2 12 1 4 10 5 4 12 7 4 10 10 5 6 8 5 5
- # 4 F-5 m=8 F-4 m=2 0 0 4 6 0 0 1 2 8 9 6 11 3 12 4 4 7 2 1 7
- # 5 F-11 m=1 F-12 m=6 2 2 6 12 9 12 0 10 3 5 4 5 2 0 2 12 6 0 4 6 0
- # 6 F-11 m=10 F-4 m=11 4 4 5 7 7 1 4 12 11 11 12 9 6 0 7 12 12 0 1 3 2
- # 7 F-12 m=11 F-4 m=9 4 5 7 8 1 2 12 11 12 11 1 6 11 0 5 4 4 0 2 3
- # 8 F-2 m=1 F-13 m=1 1 1 2 4 8 3 5 7 11 7 3 1 2 7 1 10 7 6 6 1 2
- # 9 F-7 m=9 F-2 m=11 0 0 1 4 4 12 7 6 9 4 7 0 4 7 1 1 10 1 3 6 0
- # 10 F-2 m=8 F-11 m=1 5 6 10 3 10 9 4 3 7 0 7 9 3 9 6 0 2 10 10 10 2
- # 11 F-8 m=7 F-4 m=8 8 9 1 1 1 3 3 2 11 12 1 1 1 2 2 3 9 1 8 4 4 11 6
- # 12 F-2 m=5 F-11 m=3 6 6 7 12 0 3 7 1 3 12 0 11 0 0 7 4 10 6 8 12 11 4
- # 13 F-7 m=6 F-7 m=10 10 11 3 4 9 0 1 8 3 5 11 12 9 11 11 9 10 0 3 3 0
- # 14 F-4 m=7 F-4 m=12 7 7 8 0 3 3 4 11 7 11 8 10 12 6 3 3 3 4 8 4 5
- # 15 F-13 m=2 F-12 m=4 11 11 12 7 11 4 11 0 10 11 6 12 5 6 9 0 7 11 0 5 4 3

- # 16 F-5 m=7 F-2 m=1 12 10 8 7 1 0 1 10 6 10 0 4 7 5 2 7 7 6 6 4 2
- # 17 F-7 m=8 F-7 m=12 9 10 6 9 1 10 12 9 11 1 4 1 8 0 9 4 4 4 8 11 6
- # 18 F-12 m=2 F-8 m=11 5 5 7 6 12 10 5 10 8 12 1 0 8 5 3 8 5 7 1 12 5 8
- # 19 F-9 m=9 F-7 m=4 12 12 1 0 10 5 0 11 10 6 2 8 4 12 10 2 7 3 10 11 10 10
- # 20 F-1 m=1 F-8 m=5 10 10 12 11 9 3 8 8 11 4 12 5 6 10 0 12 3 4 8 10 8 5
- # 21 F-13 m=2 F-7 m=4 1 1 3 3 4 11 5 4 8 1 1 6 3 10 10 0 7 1 10 11 5 12
- # 22 F-4 m=1 F-10 m=2 4 4 6 6 11 11 8 12 6 6 3 6 0 6 6 5 6 9 6 1
- # 23 F-1 m=1 F-10 m=11 6 6 8 9 6 5 9 11 9 8 6 0 11 7 1 5 4 3 9 6
- # 24 F-3 m=5 F-13 m=1 8 8 10 11 12 5 8 0 3 10 9 8 7 4 4 6 3 5 8 11 8 8
- # 25 F-3 m=2 F-11 m=3 5 5 7 9 6 1 8 9 3 2 8 1 9 12 9 1 2 2 6 5 2 5
- # 26 F-8 m=9 F-5 m=1 2 2 4 6 5 12 6 1 5 0 10 4 8 10 7 3 10 6 11 12 6 0
- # 27 F-9 m=5 F-11 m=9 11 11 0 2 2 0 10 2 6 0 11 1 0 8 5 12 2 11 0 1 8 1
- # 28 F-10 m=3 F-14 m=2 7 7 9 11 1 10 5 8 4 5 9 0 1 12 3 9 6 8 1 0 0
- # 29 F-10 m=12 F-4 m=8 10 10 12 1 4 7 11 5 1 12 0 2 2 5 10 9 1 1 9 9 1 8
- # 30 F-3 m=5 F-11 m=7 1 1 3 5 10 7 8 3 4 2 3 6 5 1 2 6 3 1 6 1 4 9
- # 31 F-10 m=2 F-7 m=8 5 7 9 2 7 8 9 9 7 3 9 2 7 8 7 10 12 6 10 3 11
- # 32 F-12 m=5 F-9 m=4 8 8 10 12 5 0 9 3 3 8 10 0 10 5 0 1 12 10 5 7 11
- # 33 F-10 m=11 F-6 m=2 7 9 12 11 7 2 12 8 9 3 2 0 12 10 6 11 4 3 6 9 6
- # 34 F-3 m=9 F-2 m=8 8 10 1 4 4 10 6 0 10 9 10 2 11 3 6 11 10 1 8
- # 35 F-9 m=10 F-8 m=3 9 11 5 10 6 0 3 4 10 4 11 11 9 3 10 4 3 1 3 11 6
- # 36 F-10 m=6 F-8 m=2 6 6 8 2 12 4 4 1 7 6 9 2 2 9 10 12 0 9 8 10 1
- # 37 F-8 m=11 F-14 m=2 2 2 4 12 3 10 11 9 0 4 8 11 8 11 2 1 2 10 1 5 0
- # 38 F-11 m=8 F-14 m=2 7 7 9 4 10 12 8 1 5 1 5 3 9 11 10 2 11 7 6 6 6
- # 39 F-6 m=10 F-5 m=8 11 11 0 8 9 7 5 1 0 12 2 8 3 9 0 12 2 9 10 8 9
- # 40 F-5 m=2 F-9 m=1 8 8 10 5 6 6 9 6 2 9 10 1 2 2 6 7 12 2 8 10 7 7
- # 41 F-11 m=4 F-2 m=6 12 12 11 0 6 12 11 2 0 10 3 9 6 8 3 11 4 5 1 10
- # 42 F-14 m=10 F-4 m=12 9 11 8 7 1 7 8 9 10 12 11 0 3 5 5 6 6 1 2 0 0
- # 43 F-7 m=6 F-8 m=8 11 11 0 10 10 4 9 9 2 9 11 4 10 11 3 2 0 4 11 10 9 6
- # 44 F-9 m=10 F-7 m=9 2 2 9 4 3 9 0 1 5 4 5 10 12 10 6 2 7 4 7 11 4 0
- # 45 F-9 m=1 F-9 m=5 8 8 2 10 11 2 6 7 3 11 9 7 6 12 1 8 10 0 8 7 0
- # 46 F-7 m=8 F-7 m=10 3 3 10 5 1 5 11 5 1 5 9 12 5 1 6 2 9 2 8 5 8 1
- # 47 F-11 m=3 F-3 m=4 8 8 2 12 8 0 9 10 4 10 11 4 12 0 6 12 0 6 9 4 12
- # 48 F-11 m=12 F-8 m=6 0 0 7 4 0 9 0 0 7 0 2 9 0 11 2 9 4 0 12 0
- # 49 F-3 m=8 F-10 m=4 8 8 2 12 9 2 5 12 12 8 11 4 5 2 0 8 0 7 6 5 11 6
- # 50 F-14 m=10 F-8 m=7 1 1 8 5 2 9 1 3 10 3 3 2 0 9 2 7 10 3 6 10 4 5
- # 51 F-3 m=5 F-7 m=2 2 2 9 7 6 10 6 7 0 7 2 12 7 10 8 5 6 0 5 11 0 8
- # 52 F-8 m=5 F-8 m=11 0 0 7 5 9 2 8 2 11 10 1 1 5 5 7 12 2 11 0 9 5 5
- # 53 F-11 m=9 F-8 m=3 5 12 10 2 7 12 10 4 10 5 2 7 5 6 6 1 7 1 1 4 8
- # 54 F-10 m=4 F-7 m=1 10 10 4 2 8 2 1 1 8 7 11 10 1 4 1 11 12 7 11 6 2 1
- # 55 F-12 m=2 F-10 m=11 11 5 4 1 3 7 2 6 11 11 4 0 0 7 1 11 12 0 8 10 5
- # 56 F-5 m=12 F-7 m=5 4 4 11 10 8 0 0 7 3 12 2 4 3 8 12 8 3 3 5 3 4
- # 57 F-12 m=7 F-12 m=9 5 5 12 1 5 12 4 12 3 10 8 1 7 10 11 4 4 10 1 4 0
- # 58 F-7 m=3 F-12 m=12 7 1 3 5 3 4 12 2 7 5 3 7 6 11 0 0 0 1 12 6 2
- # 59 F-7 m=2 F-14 m=7 9 9 3 6 12 1 9 4 3 10 4 6 6 7 12 12 9 0 12 11 10 1
- # 60 F-8 m=9 F-5 m=1 5 5 12 2 12 2 3 8 4 0 7 8 7 3 12 11 2 3 10 7 11 9
- # 61 F-6 m=7 F-13 m=7 1 8 11 0 3 8 9 11 2 1 11 3 5 7 4 3 12 4 1 0 12
- # 62 F-2 m=1 F-12 m=7 3 10 2 4 2 12 10 6 0 4 9 3 10 8 3 4 1 5 3 1 1
- # 63 F-12 m=4 F-5 m=11 10 10 4 9 0 7 4 9 10 12 10 11 10 8 6 11 3 12 4 10 12
- # 64 F-8 m=2 F-12 m=11 8 9 8 9 0 3 8 0 6 1 5 9 1 0 6 1 7 4 5 1 1 12
- # 65 F-14 m=7 F-3 m=4 7 8 7 8 12 2 3 10 7 0 4 10 7 1 6 0 10 7 2 4 11 4
- # 66 F-8 m=8 F-8 m=2 11 12 11 0 11 0 8 11 2 6 8 7 9 1 2 1 4 7 10 3 10 9
- # 67 F-4 m=12 F-3 m=6 9 10 9 12 9 11 8 6 4 8 6 11 9 8 10 12 6 3 10 2 9 10
- # 68 F-9 m=10 F-2 m=5 12 0 12 2 11 7 10 7 8 0 6 2 3 6 11 6 1 7 7 5 4 3
- # 69 F-5 m=7 F-10 m=6 5 6 5 10 1 6 12 0 0 1 3 10 10 6 5 10 0 5 10 9 2
- # 70 F-9 m=6 F-14 m=1 10 11 10 10 3 1 6 9 3 5 5 12 8 5 1 3 7 6 11 12 3 7
- # 71 F-14 m=2 F-9 m=12 4 5 4 2 0 0 4 3 9 4 4 11 12 3 4 9 12 5 6 8 4
- # 72 F-10 m=2 F-10 m=9 8 9 10 9 12 8 4 10 10 2 5 1 5 8 6 12 2 8 7 7 6 7
- # 73 F-12 m=7 F-6 m=2 6 7 8 7 10 10 2 1 3 10 3 10 6 0 2 10 0 4 12 3 10 6
- # 74 F-5 m=11 F-10 m=9 4 5 7 9 0 10 8 11 5 12 10 8 4 2 9 4 11 10 6 3 12
- # 75 F-4 m=10 F-3 m=9 3 4 5 6 12 5 1 8 5 11 5 12 8 8 5 1 9 4 2 8 5 3
- # 76 F-11 m=2 F-8 m=1 3 4 5 6 12 9 5 0 2 0 1 12 6 3 1 4 5 4 4 10 1 7
- # 77 F-3 m=10 F-9 m=3 7 8 9 10 6 9 3 10 9 1 9 9 7 10 8 10 3 6 8 12 7 8
- # 78 F-7 m=3 F-5 m=2 7 8 9 10 6 11 2 1 11 9 10 11 12 12 6 11 1 11 3 0 7 11
- # 79 F-12 m=6 F-8 m=12 10 11 12 1 6 9 1 8 1 5 6 3 2 12 6 12 6 7 2 0 9
- # 80 F-9 m=5 F-10 m=6 11 12 0 2 2 7 10 3 6 0 7 4 3 9 5 12 7 11 3 2 1
- # 81 F-12 m=8 F-12 m=1 4 5 6 9 8 6 5 4 3 12 11 8 9 0 11 2 0 0 6 9 4 8
- # 82 F-1 m=10 6 7 8 11 1 4 7 5 3 1 9 8 10 9 12 0 11 2 8 11 7 3
- # 83 F-10 m=8 F-14 m=7 0 1 2 5 9 6 0 10 10 0 7 9 12 7 9 0 0 0 4 0
- # 84 F-8 m=9 F-5 m=4 12 0 1 5 2 12 7 9 12 3 9 3 9 11 5 1 9 10 9 7 10 10
- # 85 F-5 m=7 F-11 m=2 0 1 2 6 3 8 1 2 0 8 11 11 5 3 6 3 0 11 12 7 11 6
- # 86 F-11 m=12 F-13 m=2 8 9 10 1 0 8 9 2 6 12 10 9 5 12 7 5 6 9 0 10 9
- # 87 F-11 m=2 F-5 m=11 3 4 5 9 1 7 11 0 2 0 4 0 4 0 4 5 0 3 4 0 3 9

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- # 88 F-10 m=1 F-2 m=5 1 2 3 8 10 1 7 9 0 1 1 4 1 1 10 3 2 10 1 3 1 4 1 2
- # 89 F-2 m=8 F-9 m=1 1 2 3 8 11 1 7 4 0 1 4 6 10 3 10 10 12 3 4 4 12
- # 90 F-11 m=4 F-2 m=1 2 0 1 6 10 1 5 3 10 6 10 8 4 2 0 2 4 1 1 4 9 12 10
- # 91 F-4 m=2 F-7 m=1 2 3 4 12 5 11 4 5 4 4 2 8 7 11 8 0 11 9 10 2 6 2
- # 92 F-8 m=12 F-9 m=9 0 1 2 10 8 11 11 10 0 8 11 2 6 3 6 7 2 6 8 6 1 11
- # 93 F-10 m=7 F-13 m=7 9 10 11 6 6 0 8 10 6 6 7 12 3 8 8 11 9 0 9 4 8 2
- # 94 F-10 m=8 F-13 m=10 0 1 2 10 12 8 9 10 0 4 1 2 10 12 5 7 9 6 8 3 0 11
- # 95 F-2 m=8 F-14 m=10 12 0 1 10 3 8 1 2 3 1 2 2 9 9 5 4 8 5 0 2 5 2
- # 96 F-2 m=9 F-3 m=2 8 9 10 6 12 6 12 12 12 3 5 12 12 2 12 10 4 9 8 1 5
- # 97 F-4 m=4 F-6 m=7 2 5 6 7 3 0 5 12 3 12 1 11 9 11 4 10 12 10 10 0 6
- # 98 F-4 m=10 F-11 m=3 3 4 5 1 1 1 1 0 4 8 6 9 9 1 9 1 8 9 12 5 9 4
- # 99 F-11 m=8 F-3 m=1 7 8 9 5 3 0 9 2 5 1 7 7 11 9 6 6 8 8 0 9 2
- # 100 F-3 m=9 F-4 m=5 8 9 10 6 5 3 10 3 3 5 5 11 8 7 7 0 10 6 11 2 11 3
- # 101 F-7 m=3 F-13 m=1 7 8 10 9 11 3 4 4 11 2 1 3 4 4 9 11 3 0 4 8 8 6
- # 102 F-10 m=11 F-10 m=1 7 8 10 9 12 3 11 11 1 0 3 2 11 7 2 9 10 1 0 0 6 7
- # 103 F-3 m=12 F-4 m=9 4 5 7 8 4 1 4 1 0 6 6 5 4 12 5 2 7 6 6 12 4 8
- # 104 F-6 m=7 F-8 m=2 10 11 0 8 1 5 1 9 9 3 10 6 1 10 2 1 12 5 12 10 10 7
- # 105 F-11 m=11 F-13 m=1 8 9 0 9 12 7 1 3 10 1 9 11 4 4 10 9 10 3 10 5 9 12
- # 106 F-8 m=2 F-5 m=9 12 0 4 0 4 6 0 5 3 9 8 4 9 3 3 4 3 4 3 2 4 0
- # 107 F-3 m=1 F-11 m=7 6 7 11 8 10 2 1 0 10 12 2 4 0 11 8 8 6 1 6 11 10 6
- # 108 F-10 m=10 F-3 m=5 7 8 12 9 12 7 4 1 0 9 8 7 12 2 6 9 7 7 12 8 8
- # 109 F-5 m=2 F-7 m=9 12 0 4 2 12 8 8 6 3 7 3 8 3 1 3 3 4 3 5 0 11 11
- # 110 F-5 m=7 F-8 m=5 10 11 2 0 1 10 6 12 10 11 7 8 10 3 9 10 9 9 12 9 9
- # 111 F-2 m=3 F-10 m=11 11 12 3 1 2 8 2 0 11 12 12 9 3 7 3 10 5 6 11 0 3 12
- # 112 F-3 m=9 F-5 m=4 4 5 9 7 9 4 0 3 0 11 2 12 4 4 9 3 7 3 5 10 4 2
- # 113 F-10 m=2 F-12 m=9 10 11 2 4 1 3 6 5 7 2 11 2 0 8 6 1 4 10 2 7 11 4
- # 114 F-8 m=11 F-9 m=2 4 5 9 11 8 3 6 4 1 9 12 9 9 12 9 4 5 12 6 1 10 7
- # 115 F-10 m=8 F-12 m=2 6 7 11 0 2 0 4 5 4 5 9 2 12 11 2 10 11 1 7 6 8 7
- # 116 F-10 m=4 F-12 m=9 3 4 8 0 3 2 0 4 2 0 9 9 11 9 1 6 10 11 0 2 7
- # 117 F-11 m=8 F-13 m=7 1 2 6 11 0 10 0 2 8 1 7 12 9 7 8 8 7 11 0 0
- # 118 F-7 m=4 F-7 m=3 4 5 9 1 3 3 3 4 8 5 2 9 3 11 12 4 7 4 5
- # 119 F-10 m=2 F-4 m=4 0 11 2 8 10 10 11 5 1 8 12 1 1 5 9 11 0 11 11 7 12 0
- # 120 F-4 m=7 F-2 m=6 1 2 6 12 2 7 2 3 6 11 10 6 12 6 6 6 1 8 3 8 4 8
- # 121 F-2 m=10 F-12 m=3 10 11 2 8 11 5 8 3 12 7 8 7 3 10 3 11 10 4 9 10 8 9
- # 122 F-5 m=2 F-10 m=4 8 9 0 6 4 1 6 7 6 1 11 4 12 0 7 12 11 12 0 8 10 8
- # 123 F-6 m=7 F-10 m=5 4 5 9 2 0 2 5 12 11 2 0 9 4 1 3 4 4 8 6 1 9 3
- # 124 F-11 m=4 F-8 m=3 12 0 4 10 10 10 11 5 7 6 12 4 12 1 3 5 0 8 0 5 5 0
- # 125 F-4 m=12 F-5 m=9 4 5 9 2 2 3 0 6 9 2 2 6 5 10 2 10 4 1 0 12 9 9 7
- # 126 F-9 m=10 F-5 m=4 8 9 0 6 7 7 3 3 5 4 0 11 10 0 2 10 3 1 0 6 6
- # 127 F-3 m=8 F-4 m=3 1 2 7 5 1 12 5 7 8 2 3 6 5 1 12 0 7 5 11 9 2 6
- # 128 F-6 m=10 F-8 m=3 3 4 9 7 6 9 2 3 1 10 12 8 10 7 8 6 12 8 10 6 7
- # 129 F-13 m=2 F-7 m=10 8 9 10 11 8 1 12 6 10 11 1 11 6 10 1 4 4 0 9 8 12
- # 130 F-13 m=1 F-13 m=10 0 1 6 7 5 9 9 3 7 1 7 6 4 11 8 5 12 6 10 2 6 5
- # 131 F-2 m=10 F-14 m=2 6 7 12 0 11 3 2 1 5 7 8 6 2 4 1 5 8 5 8 6 7
- # 132 F-5 m=3 F-8 m=4 7 8 0 1 2 9 6 1 1 6 3 3 12 1 2 6 0 2 6 10 8
- # 133 F-13 m=2 F-6 m=7 0 1 6 7 8 6 9 4 8 12 11 0 9 11 8 2 12 1 10 6 6 6
- # 134 F-5 m=6 F-9 m=11 2 3 9 4 5 12 12 4 7 3 12 12 12 10 11 5 8 4 10 10 1 0
- # 135 F-11 m=5 F-13 m=10 11 12 5 0 2 0 12 2 6 5 8 7 11 8 2 1 1 7 1 3 10 3
- # 136 F-9 m=8 F-6 m=2 5 6 12 7 4 1 2 0 4 0 12 2 2 7 12 1 1 0 10 6 3
- # 137 F-8 m=2 F-8 m=8 12 0 6 2 0 6 5 12 3 1 3 8 4 1 3 3 4 5 5 1 1 6
- # 138 F-14 m=1 F-12 m=7 6 7 0 9 10 0 4 3 0 7 0 3 4 6 8 10 8 8 7 8 8 1
- # 139 F-9 m=2 F-5 m=12 2 3 9 5 1 12 2 4 6 1 13 7 3 4 7 1 7 9 3 5 7 3
- # 140 F-1 m=1 F-9 m=9 10 11 4 7 10 10 6 5 9 2 12 0 6 5 9 12 0 8 12 7 9 2
- # 141 F-8 m=8 F-14 m=2 5 6 12 2 3 0 5 7 5 6 3 10 6 5 10 4 8 11 10 0 9 3
- # 142 F-5 m=1 F-4 m=2 4 5 12 5 4 0 0 12 8 12 5 8 1 0 8 8 11 8 1 3 12 3
- # 143 F-8 m=10 F-10 m=7 10 11 5 11 2 12 7 5 1 5 12 5 2 5 9 0 12 9 9 11 10 3
- # 144 F-6 m=1 F-4 m=2 5 6 0 6 4 1 6 0 10 12 7 9 5 0 9 3 11 9 2 0 10 2
- # 145 F-8 m=7 F-7 m=6 5 6 0 8 6 9 4 2 5 11 6 2 8 8 11 6 11 7 1 2 4 8
- # 146 F-3 m=7 F-8 m=3 9 10 4 12 1 5 5 6 0 6 3 10 3 1 2 1 12 2 10 10 2 3
- # 147 F-9 m=10 F-8 m=1 7 8 2 11 11 9 6 7 4 0 1 11 10 6 0 9 1 2 4 12 11 11
- # 148 F-9 m=9 F-9 m=7 10 11 5 4 10 5 8 2 8 8 12 11 3 5 3 6 7 8 7 11 3 9
- # 149 F-4 m=10 F-5 m=1 3 4 11 10 6 1 0 6 12 1 10 0 12 8 12 7 2 2 5 11 3 4
- # 150 F-2 m=2 F-5 m=4 12 0 7 6 8 8 5 11 6 2 12 4 8 1 3 4 1 4 12 5 6
- # 151 F-14 m=2 F-3 m=10 1 2 10 11 11 2 5 1 2 10 1 12 1 12 1 6 6 1 9 7 9 1 9
- # 152 F-5 m=4 F-9 m=3 4 5 12 2 7 0 3 6 8 10 11 10 11 0 10 2 7 11 0 4 8 12
- # 153 F-3 m=6 F-7 m=10 8 9 3 6 12 10 3 0 0 1 9 12 5 2 12 12 11 6 0 11 10 1
- # 154 F-4 m=12 F-8 m=2 11 12 6 9 10 7 6 4 11 12 1 11 5 5 10 5 8 10 3 4 3 3
- # 155 F-6 m=10 F-2 m=7 7 8 3 8 7 7 7 12 2 8 11 2 10 2 5 5 12 3 4 8 7 5
- # 156 F-10 m=8 F-11 m=3 1 2 10 2 1 1 10 4 2 0 11 3 7 8 0 5 4 7 9 1 12 4
- # 157 F-11 m=5 F-2 m=2 10 11 6 11 10 6 6 9 7 9 10 6 7 12 9 1 2 5 7 11 7
- # 158 F-5 m=2 F-10 m=3 8 9 4 9 12 6 10 10 12 7 8 10 9 3 3 7 9 9 4 5 1 11
- # 159 F-2 m=10 F-12 m=12 7 8 3 8 6 3 4 12 1 1 8 9 5 10 5 11 12 3 3 1 8 2

- # 160 F-8 m=2 F-10 m=7 0 1 9 4 0 10 0 5 1 12 0 5 1 8 1 11 5 0 9 10 6 6
- # 161 F-11 m=1 F-2 m=5 12 0 8 3 1 8 3 7 0 12 2 2 7 11 5 4 7 9 1 3 4
- # 162 F-4 m=7 F-7 m=8 2 3 11 9 0 4 11 6 6 12 3 3 0 9 6 1 9 2 1 4 6 9
- # 163 F-8 m=7 F-11 m=4 0 1 9 10 1 4 0 5 9 5 4 9 3 3 0 5 4 12 9 5 2 0 7
- # 164 F-10 m=8 F-10 m=10 10 11 6 7 0 8 9 7 11 4 1 2 4 5 1 9 11 4 7 9 2 2
- # 165 F-10 m=10 F-11 m=12 7 8 3 4 3 9 4 10 1 8 9 9 5 10 2 10 9 3 7 12 10 0
- # 166 F-7 m=3 F-9 m=10 12 0 8 9 6 10 9 11 6 1 1 9 12 3 4 2 6 4 0 2 6
- # 167 F-8 m=1 F-8 m=7 4 5 0 2 5 2 6 1 3 9 11 1 0 4 5 6 0 11 6 10 4 9
- # 168 F-5 m=10 F-13 m=10 2 3 0 5 5 0 10 1 3 10 0 11 5 3 8 2 10 1 4 1 7
- # 169 F-3 m=8 F-8 m=2 0 1 11 4 5 12 4 4 11 10 8 9 3 12 12 0 2 0 2 1 1 8
- # 170 F-2 m=1 F-3 m=2 5 6 3 12 9 3 3 8 5 9 12 10 11 2 0 5 12 11 2 8 3 4
- # 171 F-10 m=3 F-9 m=4 7 8 5 1 2 0 3 10 4 12 5 4 5 8 11 1 7 9 6 0 4
- # 172 F-2 m=1 F-8 m=5 1 3 1 2 5 3 10 8 2 7 1 7 3 1 3 7 1 1 7 10 1 7
- # 173 F-11 m=4 F-10 m=6 4 6 4 5 10 0 1 11 4 11 5 2 9 11 2 9 10 1 0 5 5 2
- # 174 F-2 m=6 F-7 m=5 10 12 10 11 9 6 6 4 0 4 6 12 7 10 12 12 0 1 8 3 5 8
- # 175 F-4 m=4 F-6 m=1 10 12 10 0 10 4 10 5 7 12 1 1 12 1 8 4 1 9 3 3 1 2 8
- # 176 F-9 m=12 F-7 m=3 3 5 3 6 3 11 3 8 12 3 7 4 4 2 3 2 3 5 6 8 3 0
- # 177 F-4 m=8 F-7 m=4 12 1 12 6 2 10 1 2 12 12 2 4 5 6 7 11 6 7 2 2 11 10
- # 178 F-8 m=10 F-8 m=4 4 6 5 7 8 0 6 8 6 10 12 10 3 4 2 2 4 5 0 0 3 12
- # 179 F-10 m=4 F-2 m=7 3 5 4 6 12 5 9 1 12 0 6 2 2 5 6 9 11 6 6 6 1
- # 180 F-14 m=10 F-10 m=9 9 11 10 12 5 11 7 4 8 3 0 6 0 8 7 2 9 7 2 12 10
- # 181 F-13 m=10 F-1 m=1 2 4 3 5 11 9 10 7 9 4 6 11 6 11 8 9 10 12 7 4 12
- # 182 F-5 m=1 F-9 m=12 1 3 2 5 6 6 0 7 11 9 6 6 8 6 7 2 0 6 7 7 6
- # 183 F-7 m=5 F-9 m=11 6 8 7 10 2 5 9 8 4 5 4 8 7 8 4 7 1 3 7 12 12 6
- # 184 F-5 m=10 F-8 m=9 12 1 0 6 12 1 2 3 12 3 0 2 3 6 2 1 9 7 1 0 8 0
- # 185 F-9 m=1 F-5 m=10 6 8 7 0 6 3 0 0 4 10 8 8 6 8 7 12 10 3 2 8 5
- # 186 F-8 m=5 F-11 m=7 11 10 12 5 1 10 9 6 9 0 7 0 9 0 12 12 2 9 7 0 9
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- # 194 F-10 m=1 F-14 m=2 5 7 10 6 11 1 0 0 11 1 0 1 4 7 5 0 3 12 9 6
- # 195 F-8 m=8 F-11 m=3 1 3 6 2 11 6 7 9 2 6 2 12 6 3 3 2 2 8 10 6 7
- # 196 F-11 m=4 F-13 m=10 11 0 3 5 2 9 5 3 6 5 3 8 0 11 7 0 10 12 11 12 10 10
- # 197 F-3 m=4 F-5 m=1 10 12 2 4 3 5 6 3 0 2 12 11 8 5 2 2 1 1 2 12 10 4
- # 198 F-14 m=2 F-7 m=11 10 12 2 4 7 2 9 3 10 8 11 5 3 1 10 4 11 9 10 0 9 3
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- # 200 F-4 m=10 F-8 m=6 12 1 4 7 0 10 10 5 4 4 10 9 8 3 5 1 6 6 10 5 11 12
- # 201 F-5 m=9 F-9 m=2 8 10 0 3 12 6 11 10 10 2 3 1 2 3 3 7 9 3 4 3 7 0
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- # 204 F-4 m=11 F-9 m=4 2 4 7 0 3 0 0 8 7 0 0 5 1 6 8 8 2 12 7 7 3 1
- # 205 F-8 m=8 F-13 m=1 0 2 5 11 12 9 1 6 5 7 1 8 9 4 0 7 10 7 11 7 1 7
- # 206 F-6 m=7 F-12 m=6 1 3 6 0 2 6 2 1 3 5 11 10 8 4 7 2 2 9 8 6 0 8
- # 207 F-11 m=8 F-5 m=4 9 11 1 8 1 9 5 6 10 6 6 10 8 8 2 10 9 3 12 10 10
- # 208 F-9 m=5 F-2 m=8 11 0 3 10 3 8 5 4 7 5 0 12 5 8 5 5 8 7 3 3 3 2
- # 209 F-2 m=1 F-10 m=7 6 8 11 5 3 0 7 9 2 4 3 12 5 5 8 0 7 1 9 11 10 4
- # 210 F-3 m=10 F-5 m=5 7 9 12 6 4 1 10 12 3 4 7 11 1 7 2 1 8 2 0 10 3 0
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- # 212 F-6 m=2 F-5 m=12 8 10 1 2 1 12 6 1 3 1 11 5 7 8 2 10 8 9 8 7 7 3
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- # 214 F-6 m=2 F-13 m=7 11 0 7 12 11 9 12 9 0 8 1 12 5 7 9 10 2 2 8 7 11 3
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- # 216 F-3 m=11 F-3 m=3 9 11 5 10 2 5 9 3 1 3 5 6 11 9 11 9 3 6 1 12 6
- # 217 F-5 m=10 F-5 m=1 2 4 11 3 0 4 11 12 12 0 6 11 9 6 2 4 6 2 4 1 7 0
- # 218 F-13 m=7 F-7 m=3 5 12 4 2 10 3 6 0 2 12 1 0 10 3 7 7 2 8 12 8 0
- # 219 F-4 m=6 F-11 m=3 5 7 3 12 8 1 7 8 4 10 8 8 4 9 7 9 2 0 6 4 9 12
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 # 253 F-14 m=2 F-9 m=8 11 5 1 7 3 8 8 9 0 6 5 12 7 2 6 10 0 0 8 3 11 8
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