Appendix C. Summary of outward regulation.

|  |  |  |
| --- | --- | --- |
| Module | Number of outward regulated modules | Outward regulated modules |
| 1 | 15 | 4,5,15,25,36,49,54,59,63,64,68,70,74,81,92 |
| 2 | 15 | 7,19,20,23,25,29,36,42,63,68,81,85,91,92,94 |
| 3 | 11 | 5,8,11,19,49,54,59,64,70,81,92 |
| 4 | 14 | 3,8,11,19,20,35,46,47,49,50,53,57,59,64 |
| 5 | 10 | 3,19,35,47,49,53,54,59,70,78 |
| 6 | 6 | 12,42,49,54,70,93 |
| 8 | 36 | 3,5,8,11,12,14,19,20,24,31,33,34,35,40,44,46,47,  49,50,53,54,57,59,64,65,68,70,75,77,78,81,88,89,91,92,94 |
| 9 | 86 | 1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,  23,24,25,27,28,29,30,31,32,33,34,35,36,37,38,39,  40,41,42,44,45,46,47,49,50,51,52,53,54,55,56,57,  59,61,62,63,64,65,66,67,68,69,70,71,73,74,75,76,  77,78,79,80,81,82,83,85,86,87,88,89,90,91,92,93,94,95 |
| 10 | 29 | 3,8,11,12,14,19,24,33,34,35,47,49,50,53,57,59,  64,65,67,68,70,71,75,81,84,88,89,91,92 |
| 11 | 9 | 3,35,45,46,47,49,53,54,59 |
| 12 | 31 | 5,7,8,11,12,14,19,20,24,32,33,34,35,40,44,46,49,  50,57,59,64,65,68,70,71,75,81,88,89,92,94 |
| 13 | 34 | 3,7,11,16,19,20,24,32,35,39,42,46,47,49,50,53,54,  55,57,58,59,64,65,66,68,70,73,74,76,78,81,88,89,93 |
| 14 | 40 | 2,5,8,11,12,14,16,19,23,24,29,34,40,42,44,49,54,57,  58,59,64,65,67,68,70,71,72,74,75,77,81,  84,85,86,88,89,91,92,93,94 |
| 15 | 42 | 3,5,6,8,11,12,14,15,19,20,23,24,29,31,33,34,35,40,  44,46,47,48,49,50,53,57,59,64,65,68,70,71,75,  77,78,81,84,88,89,91,92,94 |
| 16 | 32 | 3,5,8,11,12,14,19,24,33,34,35,40,42,46,47,49,53,54,  57,59,64,65,68,70,71,73,75,76,88,91,92,94 |
| 17 | 79 | 1,2,3,4,5,6,7,8,10,11,12,13,14,15,17,18,19,20,22,23,  24,25,26,27,28,29,30,31,33,34,35,36,37,38,40,41,42,  44,46,47,48,49,50,51,52,53,56,57,58,59,60,62,63,64,  65,66,68,69,70,71,72,75,77,78,79,80,81,82,  83,84,85,86,88,89,90,91,92,94,95 |
| 18 | 19 | 5,8,11,14,24,34,42,50,54,55,57,  64,65,70,71,73,75,84,88 |
| 19 | 6 | 16,19,45,49,50,59 |
| 20 | 50 | 2,3,5,6,8,10,11,12,14,15,19,23,24,29,31,33,34,35,40,44,  45,46,47,48,49,50,53,54,57,58,59,60,64,65,68,70,71,72,  75,77,78,81,83,84,88,89,91,92,93,94 |
| 21 | 39 | 5,7,8,11,12,14,16,19,20,24,29,32,33,34,39,42,43,49,54,  55,57,58,59,64,65,66,67,70,71,73,74,75,76,81,88,91,92,93,94 |
| 22 | 90 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,  23,24,26,27,28,29,30,31,32,33,34,35,37,38,39,40,41,42,43,  44,45,46,47,48,49,50,51,52,53,54,55,56,57,59,60,61,62,64,  65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,  82,83,84,86,87,88,89,90,91,92,93,94,95 |
| 23 | 24 | 3,7,16,19,32,35,39,42,46,47,49,53,54,55,58,59,66,  68,71,73,74,76,91,93 |
| 25 | 34 | 3,5,8,11,14,15,19,20,24,33,34,35,40,44,46,47,49,50,  53,57,59,64,65,68,70,75,77,78,81,84,88,89,92,94 |
| 26 | 24 | 5,8,11,12,14,19,24,33,34,40,49,54,57,59,64,65,  68,70,71,75,77,88,92,94 |
| 27 | 43 | 5,7,8,11,12,14,16,19,24,33,34,39,42,43,45,48,49,50,54,  55,57,58,59,60,64,65,66,67,68,70,71,72,73,  74,75,76,81,84,88,89,91,92,93 |
| 28 | 40 | 3,5,8,11,12,14,15,19,20,23,24,29,33,34,35,40,42,46,47,  49,50,53,54,57,59,64,65,68,70,71,  73,75,77,78,81,88,89,91,92,94 |
| 30 | 81 | 1,2,3,4,5,6,8,10,11,12,13,14,15,17,18,19,20,21,22,23,  24,25,26,27,28,29,30,31,33,34,35,36,37,38,40,41,44,  45,46,47,49,50,51,52,53,54,56,57,58,59,60,61,62,63,  64,65,68,69,70,71,72,75,77,78,79,80,81,82,  83,84,85,86,87,88,89,90,91,92,93,94,95 |
| 31 | 26 | 5,8,11,14,16,19,24,33,34,40,49,54,57,59,64,  65,68,75,81,84,88,89,91,92,93,94 |
| 32 | 85 | 1,2,3,4,5,6,7,8,10,11,12,13,14,15,17,18,19,20,21,22,  23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,39,40,  41,44,45,46,47,48,49,50,51,52,53,56,57,58,59,60,61,  62,63,64,65,66,67,68,69,70,71,72,75,77,78,79,80,81,  82,83,84,85,86,87,88,89,90,91,92,93,94,95 |
| 33 | 49 | 2,4,5,8,10,11,12,14,15,17,19,23,24,29,31,32,33,34,40,  42,43,46,49,50,54,55,57,58,59,60,64,65,68,70,71,72,  75,77,78,81,83,84,86,88,89,91,92,93,94 |
| 34 | 42 | 3,5,8,10,11,12,14,15,19,20,23,24,29,31,33,34,35,40,  44,46,47,49,50,53,54,57,59,64,65,68,71,75,  77,78,81,84,86,88,89,91,92,94 |
| 35 | 29 | 5,8,11,14,19,20,24,33,34,42,46,49,50,54,57,58,  59,64,65,68,70,71,73,75,81,88,89,91,92 |
| 36 | 11 | 3,7,20,35,47,49,53,54,68,73,93 |
| 38 | 41 | 3,5,8,11,12,14,19,20,23,24,29,33,34,35,40,44,46,47,  48,49,50,53,54,57,58,59,64,65,68,70,71,  75,77,78,81,84,88,89,91,92,94 |
| 39 | 95 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,  21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,  37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,  53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,  69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,  85,86,87,88,89,90,91,92,93,94,95 |
| 40 | 33 | 3,5,8,11,12,14,19,20,24,33,34,35,40,46,47,49,50,53,  57,59,64,65,68,70,71,75,77,81,88,89,91,92,94 |
| 41 | 74 | 1,2,3,4,5,6,8,10,11,12,13,14,15,17,19,20,21,22,23,  24,25,27,28,29,30,31,32,33,34,35,36,40,42,43,44,  46,47,48,49,50,51,53,54,57,58,59,60,61,62,63,64,  65,66,68,69,70,71,72,75,77,78,79,81,82,83,  84,86,87,88,89,91,92,93,94 |
| 42 | 27 | 4,5,7,9,14,16,19,23,29,32,36,39,42,49,50,54,  58,59,63,66,68,71,81,84,91,92,94 |
| 43 | 21 | 2,6,8,10,12,17,19,20,29,33,40,49,  59,64,68,70,75,81,83,86,94 |
| 44 | 22 | 3,5,9,19,20,32,35,42,49,50,54,55,57,  58,66,70,71,73,74,76,84,93 |
| 45 | 33 | 3,5,8,11,12,14,19,24,29,33,34,35,40,44,45,46,47,  49,53,57,59,64,65,68,70,71,75,77,81,88,89,91,92 |
| 46 | 6 | 19,49,50,59,64,71 |
| 47 | 15 | 16,32,42,43,49,54,55,58,59,66,71,73,74,76,93 |
| 49 | 93 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,  21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,  37,38,39,40,41,42,44,46,47,48,49,50,51,52,53,54,  55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,  71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,  86,87,88,89,90,91,92,93,94,95 |
| 50 | 50 | 2,5,7,8,11,12,13,14,16,19,20,22,24,29,32,33,34,39,  40,41,42,48,49,51,54,55,57,58,59,60,64,65,66,68,  69,70,71,72,73,75,77,81,82,83,88,89,91,92,93,94 |
| 51 | 9 | 5,8,12,20,44,49,54,64,70 |
| 52 | 32 | 3,5,8,11,12,14,19,20,24,33,34,35,46,47,49,50,53,  57,59,64,65,68,70,71,75,81,84,88,89,91,92,94 |
| 53 | 23 | 8,12,34,35,39,42,43,46,50,54,55,58,59,  64,66,70,71,73,74,75,76,84,93 |
| 55 | 85 | 1,2,3,4,5,6,8,10,11,12,13,14,15,17,18,19,20,21,22,  23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,39,  40,41,42,44,46,47,48,49,50,51,52,53,54,55,56,57,  58,59,60,61,62,63,64,65,66,68,69,70,71,72,75,77,  78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95 |
| 56 | 34 | 5,8,11,12,14,19,23,24,29,33,34,40,46,49,50,54,  57,58,59,64,65,68,70,71,75,77,81,84,88,89,91,92,93,94 |
| 57 | 93 | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,  21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,  37,38,40,41,42,43,44,45,46,47,48,49,50,51,52,53,  54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,  70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,  85,86,87,88,89,90,91,92,94,95 |
| 58 | 87 | 1,2,3,4,5,6,8,10,11,12,13,14,15,16,17,18,19,20,  22,23,24,25,27,28,29,30,31,33,34,35,36,37,38,  40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,  55,56,57,58,59,60,61,62,63,64,65,66,68,69,70,  71,72,73,74,75,76,77,78,79,80,81,82,83,84,  85,86,87,88,89,91,92,93,94,95 |
| 59 | 16 | 5,7,8,12,16,33,44,45,54,57,64,70,73,74,81,92 |
| 60 | 39 | 3,5,8,11,12,14,19,20,24,33,34,35,40,44,46,47,49,  50,53,54,57,59,64,65,67,68,70,71,73,  75,77,78,81,84,88,89,91,92,94 |
| 61 | 67 | 2,3,4,5,6,8,9,10,11,12,14,15,17,19,20,22,23,24,  26,29,31,33,34,35,36,38,40,43,44,46,47,48,49,  50,51,52,53,54,56,57,58,59,60,61,63,64,65,68,  69,70,71,72,75,77,78,79,80,81,82,  83,84,86,88,89,91,92,94 |
| 62 | 12 | 12,16,19,34,39,46,49,59,64,70,76,92 |
| 63 | 36 | 3,5,8,11,14,16,19,20,24,33,34,35,40,42,46,47,49,  53,57,59,64,65,68,73,74,75,76,  77,78,81,88,89,91,92,93,94 |
| 64 | 40 | 5,7,8,11,12,14,16,19,24,29,32,33,34,39,42,43,45,46,48,  49,50,54,55,57,58,59,60,64,66,68,70,  71,73,74,75,76,84,91,92,93 |
| 65 | 19 | 5,8,11,14,19,33,40,50,54,59,  64,65,68,77,81,88,89,92,94 |
| 66 | 80 | 1,2,3,4,6,7,9,10,11,12,13,14,17,18,19,21,22,23,24,25,  26,27,28,30,31,32,34,35,36,37,39,40,41,42,43,44,  46,47,48,49,50,51,53,54,55,56,57,58,59,60,61,62,  63,64,65,66,67,68,69,70,71,72,75,76,78,79,81,  82,83,84,85,86,87,89,90,91,92,93,94,95 |
| 67 | 80 | 1,2,3,4,5,6,8,9,10,11,12,13,14,15,17,18,19,20,21,  22,23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,  40,41,44,46,47,48,49,50,51,52,53,54,56,57,59,60,  61,62,63,64,65,68,69,70,71,72,75,77,78,79,80,  81,82,83,84,85,86,87,88,89,90,91,92,94,95 |
| 68 | 33 | 5,8,11,12,14,15,19,20,24,29,33,34,35,46,49,50,  57,59,64,65,68,70,71,74,75,  77,81,88,89,91,92,93,94 |
| 69 | 67 | 1,2,3,4,5,6,8,10,11,12,13,14,17,18,19,20,23,24,27,  28,29,30,31,33,34,35,36,37,38,40,41,44,46,47,  48,49,50,51,53,57,59,60,61,62,64,65,68,69,70,  71,72,75,77,78,79,81,82,83,84,  86,87,88,89,91,92,93,94 |
| 70 | 63 | 2,3,4,5,6,8,10,11,12,14,15,16,19,20,22,23,24,25,26,  29,31,33,34,35,36,40,43,44,45,46,47,49,50,52,53,  54,56,57,59,63,64,65,68,69,70,71,73,75,77,78,80,  81,82,84,85,86,88,89,90,91,92,94,95 |
| 72 | 17 | 5,11,19,24,33,42,49,50,54,57,59,64,65,75,81,88,89 |
| 73 | 43 | 3,5,7,11,14,19,23,24,29,31,32,33,34,35,40,42,47,49,  50,53,54,55,57,58,59,64,65,66,68,70,71,  73,75,76,77,81,84,88,89,91,92,93,94 |
| 75 | 73 | 1,2,3,4,5,6,8,9,10,11,12,13,14,15,17,19,20,21,22,23,  24,25,27,28,29,30,31,33,34,35,36,40,43,44,46,47,  48,49,50,51,53,54,55,57,59,60,61,62,63,64,65,67,  68,69,71,72,74,75,77,78,79,81,82,83,84,  85,86,87,88,89,91,92,94 |
| 76 | 8 | 9,19,45,49,50,59,67,81 |
| 77 | 84 | 1,2,3,4,5,6,7,8,10,11,12,13,14,15,17,19,20,22,23,24,  25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,  41,42,44,46,47,48,49,50,51,52,53,54,55,56,57,58,  59,60,61,63,64,65,66,68,69,70,71,72,73,75,77,78,  79,80,81,82,83,84,85,86,87,88,89,91,92,93,94,95 |
| 78 | 36 | 5,8,11,12,14,16,19,24,33,34,39,42,49,50,54,55,57,  58,59,64,65,66,67,68,70,71,74,  75,76,81,84,88,89,92,93,94 |
| 80 | 23 | 5,8,11,14,19,24,34,40,46,49,50,59,  64,65,68,71,75,81,88,89,91,92,94 |
| 81 | 13 | 16,32,39,42,49,54,55,59,66,70,73,76,93 |
| 82 | 17 | 5,7,12,19,29,32,39,42,49,50,54,55,58,59,66,70,71 |
| 83 | 35 | 5,8,11,12,14,19,23,24,29,33,34,40,42,46,49,50,54,  57,58,59,64,65,68,70,71,75,  77,81,84,88,89,91,92,93,94 |
| 84 | 51 | 2,3,4,5,6,8,10,11,12,14,15,17,19,20,23,24,29,31,33,  34,35,40,44,46,47,48,49,50,53,57,59,60,63,64,65,  68,70,71,72,75,77,78,81,83,84,86,88,89,91,92,94 |
| 85 | 47 | 2,3,5,6,8,10,11,12,14,15,19,20,23,24,29,31,33,34,  35,40,44,46,47,48,49,50,53,57,59,60,62,64,65,68,  70,71,75,77,78,81,84,86,88,89,91,92,94 |
| 86 | 21 | 3,14,19,24,35,46,47,49,50,53,59,  64,65,68,70,71,81,89,91,92,94 |
| 87 | 32 | 5,8,11,12,14,19,24,33,34,42,43,46,49,50,57,58,59,  64,65,66,68,70,71,75,76,81,84,88,89,91,92,94 |
| 88 | 54 | 3,5,7,8,11,12,14,16,19,22,23,24,25,29,32,33,34,35,  39,40,42,44,45,46,47,48,49,50,53,54,55,57,58,59,63,  64,65,66,68,70,71,74,75,76,77,  78,81,84,88,89,91,92,93,94 |
| 89 | 32 | 3,6,8,11,12,14,15,19,24,33,34,35,46,47,49,50,53,57,  59,64,65,68,70,71,75,77,81,88,89,91,92,94 |
| 90 | 39 | 3,5,7,8,11,12,14,19,20,24,32,33,34,35,40,42,43,44,  46,47,49,53,55,57,58,59,64,65,68,  70,71,73,75,81,88,89,91,92,94 |
| 91 | 18 | 5,8,11,12,19,33,49,55,57,58,59,64,67,70,71,75,84,93 |
| 92 | 68 | 2,3,4,5,6,8,10,11,12,13,14,15,17,19,20,22,23,24,25,26,  29,30,31,33,34,36,38,40,44,46,47,48,49,50,51,52,53,  56,57,58,59,60,61,63,64,65,68,69,70,71,72,75,77,78,  79,80,81,82,83,84,85,86,87,88,89,91,92,94 |
| 93 | 26 | 3,7,19,20,24,31,35,39,42,47,49,50,53,54,55,58,66,70,  71,73,74,76,78,81,89,93 |
| 94 | 7 | 20,35,49,59,64,70,71 |
| 95 | 37 | 3,5,8,11,12,14,19,20,23,24,29,33,34,40,44,46,47,49,50,  53,57,59,64,65,68,70,71,75,77,78,81,84,88,89,91,92,94 |