

New Hop Sequence:

Background:

Each hop sequence has 25 hops numbered 0 to 24. There are 256 different hop sequences used, numbered from 0 to 255. The following describes how the 256 new hop sequences were generated.

Synthesis Algorithm for a single hop sequence:

1. A random number between 0 and 24 is selected using the random number generator provided as a function within the compiler. The random number generator provides a uniform distribution of values.
2. The random number selected above is the “proposed” channel number to use for this hop. If this channel has not been previously assigned, it is assigned to the current position in the hop table.

If the channel has been previously assigned, repeat step 1.

3. If all 25 positions in the hop sequence being generated are not filled, go to step 1 and begin the process of determining the next hop value.

The above algorithm is applied to all 256 sequences.

The code segment below shows the actual code used to generate the 256 hop sequences. The random number generator can be seeded to start at different points. Each seed value renders an entirely new table. There are 65,535 possible tables with the given algorithm. The seed value selected for the table below is 11.

```

FOR seq% = 0 TO 255
    PRINT "Working on sequence # "; seq%

    'reinitialize used table
    FOR hop% = 0 TO 24
        UsedFreq%(hop%) = 0
    NEXT hop%

    FOR hop% = 0 TO 24
        DO
            'Pick a random hop
            potentialhop% = RND(1) * 24

            'See if the proposed hop is already used
            IF UsedFreq%(potentialhop%) <> 1 THEN
                'It is not used
                UsedFreq%(potentialhop%) = 1
                table%(seq%, hop%) = potentialhop%
                EXIT DO
            END IF
        LOOP
    NEXT hop%
NEXT seq%

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Seed Value Selected = 11

Program Version = 1.2

```

Sequence 0: 3,1,21,13,10,22,2,18,12,9,16,19,6,11,4,5,8,23,20,15,7,24,0,14,17
Sequence 1: 12,24,7,10,18,13,2,17,0,19,16,4,23,5,15,11,22,3,21,9,1,20,14,8,6
Sequence 2: 9,10,12,15,13,8,21,11,19,14,22,1,2,18,4,3,5,24,17,7,6,16,20,0,23
Sequence 3: 12,18,20,11,2,8,1,9,3,4,22,19,14,16,0,7,5,15,10,21,24,6,17,23,13
Sequence 4: 16,8,12,5,3,6,22,7,2,0,1,23,20,4,17,21,11,14,13,15,24,9,19,18,10
Sequence 5: 15,20,17,18,2,11,0,9,6,4,23,7,5,19,13,3,12,14,1,16,22,8,21,10,24
Sequence 6: 10,23,11,4,14,22,8,5,3,16,18,17,19,7,21,9,15,1,2,6,20,24,13,0,12
Sequence 7: 3,13,12,7,11,20,23,4,5,24,17,1,8,14,2,10,21,22,18,6,15,16,19,9,0
Sequence 8: 17,3,21,15,18,19,5,1,2,0,4,8,16,24,10,12,9,20,11,23,6,7,13,14,22
Sequence 9: 19,9,5,15,18,16,12,2,17,8,23,13,4,0,22,24,7,1,6,21,11,20,10,3,14
Sequence 10: 16,9,23,6,11,21,3,22,5,17,14,13,2,7,10,19,1,20,24,0,18,15,4,12,8
Sequence 11: 6,22,16,14,11,0,2,7,8,12,5,17,4,15,20,18,3,19,13,21,9,1,23,24,10
Sequence 12: 19,18,12,7,22,2,8,14,9,11,5,20,13,1,15,6,3,10,24,16,21,23,17,4,0
Sequence 13: 14,6,23,24,22,4,12,19,1,5,10,8,0,16,15,2,11,20,13,7,9,21,17,3,18
Sequence 14: 3,12,2,18,7,21,23,14,20,10,17,4,11,9,15,8,24,6,22,1,16,19,13,0,5

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Sequence 15: 5,22,20,11,0,19,1,23,14,24,13,15,10,21,8,17,6,2,9,16,12,4,18,7,3
 Sequence 16: 8,16,13,7,3,21,9,12,15,22,17,11,24,6,10,14,2,4,1,5,0,23,20,19,18
 Sequence 17: 10,22,7,0,2,12,23,18,15,6,21,3,16,24,11,9,19,4,20,13,5,14,17,1,8
 Sequence 18: 23,16,7,0,5,20,1,6,15,21,12,2,11,17,4,10,13,9,24,3,22,19,18,14,8
 Sequence 19: 10,18,13,15,1,23,2,8,6,4,22,12,7,20,9,5,11,14,0,17,16,24,3,19,21
 Sequence 20: 13,6,20,3,10,19,8,16,14,0,4,22,24,1,15,5,12,2,18,11,7,17,9,23,21
 Sequence 21: 23,1,9,8,13,17,15,16,19,12,10,24,22,6,3,5,11,7,4,14,21,18,20,0,2
 Sequence 22: 3,12,9,11,7,17,10,18,8,0,21,14,4,24,16,15,2,13,20,5,1,6,19,22,23
 Sequence 23: 18,8,7,3,9,17,21,12,1,15,19,20,24,23,14,13,5,0,6,22,2,10,16,4,11
 Sequence 24: 2,23,20,9,4,18,10,17,21,13,3,19,5,0,22,14,8,15,11,1,7,16,6,12,24
 Sequence 25: 6,19,1,21,4,9,13,0,18,11,16,15,10,7,20,2,22,17,12,23,14,5,8,3,24
 Sequence 26: 18,17,7,15,22,4,3,6,12,14,19,16,2,20,10,1,5,23,9,21,24,8,11,13,0
 Sequence 27: 20,4,23,12,14,5,2,21,7,19,3,6,1,16,15,24,13,22,18,8,9,10,11,17,0
 Sequence 28: 2,21,11,23,9,12,15,24,16,7,19,6,14,18,13,5,8,4,17,10,1,22,0,20,3
 Sequence 29: 9,7,14,18,15,24,21,13,6,19,2,0,16,11,22,17,10,5,20,3,8,12,4,23,1
 Sequence 30: 3,13,5,20,11,9,22,10,17,15,7,23,24,6,16,14,12,4,2,8,0,18,21,19,1
 Sequence 31: 1,21,18,10,15,14,17,12,23,6,19,8,11,2,20,9,5,13,22,16,3,0,7,4,24
 Sequence 32: 8,16,1,12,11,20,21,24,9,17,2,15,22,10,6,14,13,19,3,23,7,18,5,4,0
 Sequence 33: 16,1,12,5,4,11,21,15,10,3,8,22,20,7,24,18,19,6,2,0,9,17,23,13,14
 Sequence 34: 11,7,22,6,14,16,12,10,9,15,4,17,5,8,2,18,19,3,21,1,20,0,23,13,24
 Sequence 35: 5,10,11,15,22,21,6,16,13,3,14,19,17,9,7,4,20,18,1,2,24,8,23,12,0
 Sequence 36: 15,12,22,0,7,8,9,4,19,21,13,20,1,3,14,24,10,18,6,23,16,11,2,17,5
 Sequence 37: 11,13,5,8,9,2,20,17,7,23,1,6,18,16,0,3,21,4,12,14,10,19,15,22,24
 Sequence 38: 8,18,4,2,7,14,20,17,13,15,3,19,9,22,21,16,12,0,10,6,23,1,11,5,24
 Sequence 39: 22,9,8,15,14,5,21,3,18,10,7,1,17,20,11,23,12,6,13,2,4,19,16,0,24
 Sequence 40: 5,6,10,15,19,22,12,9,11,21,18,13,23,14,8,7,2,20,24,3,4,0,1,17,16
 Sequence 41: 4,5,23,2,22,7,3,20,18,16,8,15,13,14,21,12,9,6,11,10,1,17,0,19,24
 Sequence 42: 14,18,4,1,17,12,16,15,22,5,9,10,11,19,21,8,2,6,3,13,20,0,23,24,7
 Sequence 43: 1,17,7,24,5,16,10,21,3,2,8,9,15,12,6,19,20,14,18,22,13,0,23,11,4
 Sequence 44: 19,9,24,23,22,21,4,16,7,5,2,6,20,1,10,18,14,12,11,3,8,17,0,15,13
 Sequence 45: 17,6,4,12,11,8,22,9,7,20,16,13,1,14,3,23,19,5,2,21,10,18,15,0,24
 Sequence 46: 18,22,14,2,10,5,7,15,6,19,21,1,0,9,4,23,12,3,8,16,11,24,17,20,13
 Sequence 47: 15,10,22,1,2,4,7,20,21,16,17,9,6,8,18,14,24,5,12,0,23,19,11,3,13
 Sequence 48: 8,19,16,10,2,20,0,4,22,11,24,3,15,23,6,14,1,21,9,13,12,7,18,17,5
 Sequence 49: 16,1,12,5,22,13,3,20,14,4,10,17,11,21,23,6,18,2,24,9,15,7,0,8,19
 Sequence 50: 8,23,18,20,1,3,4,16,0,11,5,21,6,2,19,24,17,13,15,22,14,7,12,9,10
 Sequence 51: 7,20,4,21,24,1,17,11,18,19,5,0,14,12,16,15,3,22,23,8,10,13,6,2,9
 Sequence 52: 6,18,17,15,2,14,12,11,16,20,9,13,21,7,1,10,8,5,23,24,3,22,4,0,19
 Sequence 53: 4,5,3,7,9,18,10,17,19,1,21,16,20,6,14,8,12,11,22,23,15,24,2,13,0
 Sequence 54: 5,20,0,4,19,1,16,14,17,2,7,15,8,6,12,23,21,9,11,13,10,18,3,22,24
 Sequence 55: 16,12,19,5,11,7,0,1,3,13,10,24,15,8,14,20,22,4,2,21,18,9,17,6,23
 Sequence 56: 10,2,20,9,14,17,15,21,13,5,11,23,7,22,1,18,3,4,6,8,19,12,16,0,24
 Sequence 57: 14,1,7,0,8,12,11,20,19,23,17,2,22,9,5,18,3,16,4,13,15,21,6,10,24
 Sequence 58: 21,20,22,18,2,4,6,13,5,10,19,3,7,8,16,9,15,14,11,17,23,12,24,0,1

Sequence 59: 6,4,18,10,13,8,3,20,19,12,5,15,16,9,23,22,2,11,0,7,17,1,21,14,24
Sequence 60: 22,15,16,4,2,10,23,13,3,19,0,18,8,5,14,12,9,6,20,11,21,7,17,24,1
Sequence 61: 6,18,17,12,10,2,16,9,4,14,22,19,8,3,24,15,23,11,21,13,1,5,7,0,20
Sequence 62: 16,14,15,3,23,5,7,21,6,19,10,0,18,9,8,17,22,4,20,13,11,1,24,2,12
Sequence 63: 19,9,7,20,24,5,15,11,8,22,4,23,18,17,21,0,3,1,14,2,12,13,10,16,6
Sequence 64: 3,11,12,20,7,6,9,16,0,22,14,10,23,17,2,13,18,8,21,19,15,4,1,5,24
Sequence 65: 12,0,18,24,5,15,6,20,21,2,10,17,8,4,14,11,3,1,22,7,9,16,19,23,13
Sequence 66: 11,14,3,17,4,15,9,19,22,18,8,2,5,23,20,6,13,7,10,0,1,24,16,21,12
Sequence 67: 9,20,18,16,17,15,10,22,1,13,21,5,3,2,6,7,11,14,23,4,19,8,24,12,0
Sequence 68: 21,14,8,13,15,11,9,19,7,22,17,3,10,16,4,20,18,2,23,5,1,12,6,0,24
Sequence 69: 18,13,10,12,4,14,11,7,22,20,8,21,1,24,19,15,16,6,5,17,9,23,0,2,3
Sequence 70: 16,11,5,12,2,3,23,21,8,18,20,10,4,1,19,9,22,14,6,15,13,7,24,17,0
Sequence 71: 22,7,18,17,9,15,2,24,0,16,21,20,11,23,3,19,13,14,1,6,10,8,5,4,12
Sequence 72: 21,6,16,5,3,17,1,2,15,0,20,23,9,14,19,7,10,12,13,11,4,18,8,24,22
Sequence 73: 15,19,21,24,20,7,14,9,3,23,1,4,11,0,6,2,16,18,8,13,5,12,17,10,22
Sequence 74: 8,7,5,21,15,20,14,9,3,2,23,1,18,4,10,22,24,6,16,19,13,12,11,17,0
Sequence 75: 18,12,4,7,14,22,16,20,11,21,15,2,19,23,1,8,6,13,17,0,3,9,24,5,10
Sequence 76: 7,4,13,0,14,6,8,11,10,15,21,19,22,18,23,5,16,12,9,2,17,1,20,3,24
Sequence 77: 13,24,7,14,17,18,15,12,4,8,10,1,21,9,0,11,16,22,5,3,19,2,23,6,20
Sequence 78: 24,23,18,14,21,8,5,9,4,1,12,13,10,17,19,22,20,0,11,6,7,15,3,16,2
Sequence 79: 1,23,5,22,20,2,3,17,4,14,6,7,24,8,10,9,19,11,18,21,13,15,16,12,0
Sequence 80: 21,15,0,14,13,23,3,1,20,10,5,11,12,7,2,18,6,4,24,8,9,16,19,17,22
Sequence 81: 11,1,16,23,20,14,6,22,4,19,7,3,8,12,21,15,17,10,5,18,13,24,9,2,0
Sequence 82: 7,1,21,6,2,14,24,9,4,18,13,11,5,3,23,8,15,17,20,22,16,12,10,19,0
Sequence 83: 9,13,23,22,12,21,8,3,15,7,18,11,2,17,4,14,5,19,6,20,16,10,0,24,1
Sequence 84: 3,10,17,18,11,1,15,20,5,7,6,2,21,4,14,22,9,12,0,19,13,23,16,8,24
Sequence 85: 13,23,20,17,12,3,8,15,24,10,19,21,14,6,22,11,18,2,0,16,7,5,4,9,1
Sequence 86: 24,18,16,14,11,13,1,12,5,21,9,17,22,10,6,15,3,20,19,23,8,7,2,0,4
Sequence 87: 15,12,2,17,3,13,10,1,4,20,22,5,23,14,11,6,9,18,7,16,8,24,21,19,0
Sequence 88: 1,22,13,11,21,23,2,4,3,12,20,24,15,10,6,9,18,7,17,5,0,16,8,19,14
Sequence 89: 12,6,9,1,11,10,20,21,22,17,2,8,23,19,3,15,14,4,5,13,7,18,16,0,24
Sequence 90: 23,13,18,4,5,14,9,12,2,21,16,8,6,11,15,20,3,7,24,17,1,10,22,19,0
Sequence 91: 17,15,21,13,2,8,18,23,1,20,4,22,3,11,6,16,0,5,10,12,19,9,7,24,14
Sequence 92: 22,24,13,2,14,8,4,21,16,17,6,19,18,20,9,1,11,12,3,10,15,5,0,23,7
Sequence 93: 21,6,2,8,5,22,4,1,10,9,12,13,7,16,11,14,0,3,20,17,24,19,23,15,18
Sequence 94: 20,3,22,15,8,19,2,11,21,6,1,4,5,17,13,18,23,14,7,10,16,9,12,24,0
Sequence 95: 13,6,5,12,15,24,14,20,9,11,3,10,18,2,7,16,1,23,22,17,21,19,8,0,4
Sequence 96: 11,6,17,21,10,16,4,8,22,7,2,9,1,5,14,3,19,20,12,0,23,13,18,15,24
Sequence 97: 17,5,10,24,21,14,13,18,22,9,7,12,20,1,2,6,19,0,11,3,23,4,16,15,8
Sequence 98: 17,7,2,1,21,20,3,15,22,8,12,13,18,10,0,5,16,6,24,9,11,14,4,19,23
Sequence 99: 7,17,9,20,21,16,13,10,0,12,23,15,5,2,18,8,24,4,1,22,19,14,3,11,6
Sequence 100: 8,16,11,6,9,10,15,13,14,12,23,18,5,24,2,20,7,19,3,0,1,4,17,21,22
Sequence 101: 7,1,19,11,21,20,4,9,8,12,2,17,0,22,18,23,24,14,10,13,5,3,15,6,16
Sequence 102: 1,4,21,17,16,5,19,3,7,6,18,24,11,14,23,8,9,12,10,20,2,22,0,13,15

Sequence 103: 4,5,11,9,16,19,13,3,7,18,6,15,2,14,1,12,20,23,10,17,8,24,22,0,21
 Sequence 104: 12,23,5,8,9,22,20,6,16,1,17,21,11,18,10,4,13,14,15,7,2,24,3,19,0
 Sequence 105: 12,8,1,22,20,9,23,24,7,2,17,10,15,19,6,14,3,4,18,5,16,11,0,21,13
 Sequence 106: 12,7,13,14,8,21,10,4,23,19,1,5,20,22,9,16,15,3,17,11,18,6,24,0,2
 Sequence 107: 13,23,5,2,4,11,24,12,1,14,7,6,10,17,16,0,15,21,9,8,22,18,20,3,19
 Sequence 108: 21,10,9,19,12,3,4,17,15,22,1,5,23,24,6,14,16,0,7,2,13,8,11,18,20
 Sequence 109: 13,9,3,7,8,18,0,5,6,24,19,17,22,1,11,20,23,2,10,21,4,12,15,14,16
 Sequence 110: 2,0,12,4,21,23,18,1,13,15,10,5,19,17,3,6,14,7,16,9,11,20,22,8,24
 Sequence 111: 17,6,22,15,12,0,9,8,5,19,18,2,11,21,4,1,13,10,16,20,3,14,23,24,7
 Sequence 112: 10,5,15,13,3,11,16,21,9,12,6,18,7,19,8,4,22,20,0,17,14,1,24,2,23
 Sequence 113: 20,19,6,2,9,16,13,11,21,14,5,15,12,10,8,4,22,17,23,18,0,1,24,7,3
 Sequence 114: 5,16,10,14,24,13,23,18,2,9,8,4,6,7,20,3,11,12,15,1,21,19,17,22,0
 Sequence 115: 8,17,10,3,23,5,1,18,9,4,19,12,11,7,24,2,21,20,22,15,6,13,14,16,0
 Sequence 116: 7,22,3,5,21,9,1,24,4,14,16,2,13,10,23,18,15,6,17,11,20,8,0,12,19
 Sequence 117: 18,7,8,3,1,21,19,9,12,22,13,14,5,23,0,20,11,2,17,10,4,24,15,6,16
 Sequence 118: 13,16,21,9,2,15,10,1,20,3,4,6,19,17,14,12,23,11,0,18,5,22,7,24,8
 Sequence 119: 19,1,5,3,17,13,7,6,23,15,22,14,24,9,18,2,12,8,4,20,16,11,21,0,10
 Sequence 120: 8,19,14,21,15,5,3,13,2,12,11,9,20,0,18,6,4,16,1,10,24,23,22,7,17
 Sequence 121: 18,23,1,16,10,19,24,4,15,5,13,17,7,8,2,3,21,22,9,0,12,20,11,14,6
 Sequence 122: 3,12,13,1,11,14,7,16,15,4,19,23,18,17,20,5,0,2,21,24,22,6,8,9,10
 Sequence 123: 1,7,11,16,19,5,23,13,8,9,20,17,15,14,18,4,10,2,3,12,21,0,6,24,22
 Sequence 124: 0,2,18,12,1,11,15,23,10,16,19,17,21,20,13,22,6,24,3,14,7,4,8,9,5
 Sequence 125: 23,1,10,11,8,4,18,15,13,12,3,17,19,7,16,9,22,6,24,0,20,5,14,2,21
 Sequence 126: 2,1,17,16,19,9,18,15,3,23,0,10,14,4,6,11,24,7,5,20,8,13,12,21,22
 Sequence 127: 2,10,6,9,13,7,5,0,14,17,11,3,19,15,8,4,24,12,23,20,21,1,16,22,18
 Sequence 128: 2,18,15,13,12,9,16,3,24,10,0,17,5,7,19,11,14,22,23,21,6,4,20,8,1
 Sequence 129: 7,1,4,12,9,13,11,17,10,5,21,16,23,6,18,24,14,3,19,8,15,2,0,22,20
 Sequence 130: 3,1,9,17,15,7,16,22,23,21,13,14,10,4,11,18,12,2,8,6,5,0,24,20,19
 Sequence 131: 3,2,17,15,1,8,19,12,11,22,23,14,5,20,9,4,21,24,18,6,16,10,7,13,0
 Sequence 132: 5,24,4,22,23,9,3,12,19,20,18,8,17,16,21,1,7,10,0,15,13,14,2,11,6
 Sequence 133: 13,0,16,14,24,20,2,5,9,23,1,3,19,15,22,17,18,21,10,8,7,12,6,4,11
 Sequence 134: 3,12,18,11,19,17,21,1,14,6,4,15,20,8,9,13,0,5,16,2,23,10,22,7,24
 Sequence 135: 14,23,12,8,9,16,13,21,18,7,10,19,11,22,0,2,5,6,15,3,20,17,4,1,24
 Sequence 136: 18,4,5,1,15,21,16,6,13,14,19,8,3,12,22,17,7,2,11,23,10,20,9,0,24
 Sequence 137: 24,16,8,12,21,20,14,17,15,11,19,1,3,7,18,22,0,9,23,5,13,4,10,2,6
 Sequence 138: 24,13,15,7,21,2,8,1,19,3,5,14,6,23,18,16,10,22,4,9,20,12,17,11,0
 Sequence 139: 18,7,9,13,14,19,4,12,21,2,10,16,22,8,23,1,0,6,20,3,24,11,15,5,17
 Sequence 140: 22,7,4,5,12,10,13,20,11,8,0,21,23,18,1,6,19,9,17,16,15,2,14,24,3
 Sequence 141: 17,14,6,1,18,3,11,9,7,16,2,4,22,23,15,20,5,0,12,13,21,8,19,10,24
 Sequence 142: 7,9,6,5,23,16,11,15,21,20,4,17,24,8,3,14,22,1,18,2,13,19,12,0,10
 Sequence 143: 20,17,4,8,3,0,5,14,21,6,9,12,7,15,11,18,13,22,24,10,23,16,2,19,1
 Sequence 144: 4,11,13,19,1,23,20,2,10,0,17,15,3,9,18,8,14,16,5,12,22,6,7,24,21
 Sequence 145: 18,11,10,9,3,15,19,12,23,7,13,1,17,16,22,6,2,21,20,8,5,4,0,14,24
 Sequence 146: 12,1,20,3,13,23,2,14,15,5,17,10,11,9,8,22,16,7,19,21,18,6,4,0,24

Sequence 147: 16,14,2,23,5,18,13,8,3,12,11,6,4,22,17,21,20,9,10,1,15,19,24,7,0
Sequence 148: 15,7,23,10,4,20,19,6,2,9,5,14,12,1,21,8,22,3,17,16,13,11,24,18,0
Sequence 149: 4,10,18,15,21,6,19,8,2,7,9,1,13,23,17,22,11,14,12,20,5,0,24,16,3
Sequence 150: 10,4,23,19,2,20,21,18,15,24,5,3,13,7,1,17,11,22,16,14,6,12,9,0,8
Sequence 151: 16,2,19,3,4,22,12,1,18,20,8,0,11,24,6,7,13,14,9,5,10,17,23,21,15
Sequence 152: 12,9,8,6,21,23,22,17,20,19,3,11,15,5,2,16,0,10,1,24,4,14,18,7,13
Sequence 153: 11,16,22,13,14,4,21,7,19,2,0,6,8,15,12,10,23,20,1,18,5,9,24,17,3
Sequence 154: 21,15,22,6,14,16,2,3,10,1,17,7,23,20,9,18,0,13,11,5,19,24,8,12,4
Sequence 155: 10,24,15,16,4,12,1,7,11,6,17,0,14,5,22,23,3,9,2,18,21,8,20,13,19
Sequence 156: 23,18,3,10,9,2,17,4,1,12,22,11,5,21,6,7,19,20,14,13,16,8,24,15,0
Sequence 157: 1,12,8,18,22,24,10,21,7,4,20,23,13,3,16,6,0,2,17,19,15,9,5,11,14
Sequence 158: 1,10,20,21,4,5,2,13,0,11,22,23,18,19,15,17,12,9,16,6,3,7,8,14,24
Sequence 159: 19,12,18,4,7,20,3,9,13,5,10,1,23,2,16,22,11,6,8,21,15,17,24,0,14
Sequence 160: 21,24,17,10,23,2,14,20,5,22,19,18,8,11,9,15,7,3,13,16,4,0,1,12,6
Sequence 161: 13,3,12,0,15,20,17,5,14,6,19,22,2,1,10,8,7,11,9,23,21,4,18,24,16
Sequence 162: 13,16,8,4,1,5,19,20,22,2,9,6,7,18,11,10,14,12,17,23,15,3,0,21,24
Sequence 163: 2,9,4,3,20,11,21,17,8,18,16,15,0,12,23,22,1,19,6,24,14,13,10,7,5
Sequence 164: 12,16,17,11,9,8,23,15,3,19,24,5,22,14,18,10,20,0,13,21,1,4,6,7,2
Sequence 165: 7,5,15,24,11,2,6,20,4,1,21,12,9,19,18,14,16,8,17,13,23,22,0,3,10
Sequence 166: 24,23,5,7,14,21,17,19,3,4,9,15,13,2,12,1,16,20,10,18,22,6,8,11,0
Sequence 167: 11,10,4,21,22,9,14,3,20,16,15,5,23,13,0,12,2,19,8,17,18,1,6,7,24
Sequence 168: 22,5,2,9,3,18,8,12,11,24,4,10,17,13,0,1,19,20,23,7,16,14,15,21,6
Sequence 169: 21,23,15,3,16,14,8,20,19,13,4,1,7,2,17,5,18,10,9,22,6,24,12,11,0
Sequence 170: 6,14,23,8,16,13,15,19,2,4,5,9,11,22,7,18,21,17,20,10,0,3,1,12,24
Sequence 171: 3,5,11,19,4,0,9,20,8,17,10,2,24,1,15,18,13,16,14,12,23,22,6,21,7
Sequence 172: 8,13,7,16,17,14,18,15,11,19,12,5,9,1,2,21,4,0,10,3,23,20,6,22,24
Sequence 173: 4,21,2,17,8,15,6,3,20,9,14,12,7,18,13,16,1,24,10,23,22,11,19,5,0
Sequence 174: 7,21,11,20,10,18,19,14,16,22,23,15,5,9,4,8,2,12,17,13,24,1,6,0,3
Sequence 175: 2,4,1,5,19,15,8,23,11,7,21,10,13,3,17,14,18,0,20,16,12,22,24,6,9
Sequence 176: 8,17,1,10,7,12,13,0,24,21,5,11,14,4,3,15,22,16,2,23,20,18,19,6,9
Sequence 177: 21,2,22,24,8,17,15,4,9,3,19,14,1,7,18,23,10,0,11,5,12,16,13,20,6
Sequence 178: 4,17,1,7,14,3,23,6,13,15,18,8,9,11,5,20,19,16,21,0,24,10,12,2,22
Sequence 179: 19,21,4,12,20,7,9,14,6,18,15,8,1,0,10,3,2,22,23,16,5,13,24,11,17
Sequence 180: 14,1,20,17,7,21,5,3,4,9,6,12,8,18,11,13,16,0,19,10,2,23,15,22,24
Sequence 181: 15,6,8,18,21,1,13,2,7,24,5,10,14,12,3,22,16,17,11,23,19,4,9,20,0
Sequence 182: 0,13,14,23,22,6,9,24,11,18,17,7,21,12,1,3,5,2,10,15,4,20,16,19,8
Sequence 183: 18,2,3,22,7,23,8,1,17,9,21,12,5,15,19,14,16,4,20,6,0,11,13,10,24
Sequence 184: 10,8,16,11,22,17,18,0,4,13,14,12,1,19,9,5,24,7,23,20,6,2,15,21,3
Sequence 185: 13,17,21,16,4,14,19,6,5,3,1,8,23,9,24,2,15,0,22,7,20,18,12,11,10
Sequence 186: 16,8,2,23,20,13,14,9,22,12,11,21,5,10,17,18,15,6,0,3,24,19,7,4,1
Sequence 187: 20,13,24,23,4,8,18,10,16,7,19,14,9,15,21,22,2,12,17,3,11,5,1,6,0
Sequence 188: 20,7,5,2,13,21,10,6,15,18,9,1,23,11,22,16,17,0,3,19,8,4,12,24,14
Sequence 189: 23,21,20,12,19,16,3,9,11,13,4,1,24,10,18,5,7,22,14,2,8,6,0,17,15
Sequence 190: 3,21,4,1,19,13,11,16,20,17,14,15,18,7,8,22,9,10,5,23,6,2,12,0,24

Sequence 191: 5,3,4,16,13,2,18,20,9,1,12,15,11,22,14,10,23,6,17,19,21,8,24,7,0
 Sequence 192: 4,7,3,5,11,19,13,2,16,17,10,23,21,14,6,15,18,9,12,22,1,0,20,8,24
 Sequence 193: 22,2,24,6,1,16,23,13,18,4,20,5,15,21,9,12,14,10,11,3,8,0,7,19,17
 Sequence 194: 6,23,2,13,10,1,5,9,17,15,14,8,11,21,20,3,24,0,22,18,4,7,16,12,19
 Sequence 195: 1,3,17,12,18,6,8,4,5,20,7,19,23,2,16,10,21,11,24,15,14,22,9,13,0
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 Sequence 198: 10,2,8,21,23,3,5,9,17,16,20,4,19,11,0,14,6,1,13,15,22,24,7,18,12
 Sequence 199: 8,6,3,23,24,15,22,4,12,2,21,19,9,17,10,13,0,1,7,14,5,18,20,16,11
 Sequence 200: 9,19,5,10,0,11,20,24,6,23,8,21,16,12,7,17,1,18,22,2,4,14,15,13,3
 Sequence 201: 11,8,21,14,17,24,22,20,6,23,16,7,2,9,18,13,19,10,0,15,12,4,5,1,3
 Sequence 202: 11,14,4,1,3,15,22,21,12,24,23,17,19,8,16,9,7,6,2,10,18,13,20,5,0
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 Sequence 212: 7,21,5,15,22,13,16,23,2,1,20,18,4,3,17,9,19,12,24,11,10,14,8,0,6
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 Sequence 215: 6,22,3,12,4,13,5,17,20,11,21,24,14,18,23,0,15,7,2,1,16,9,10,8,19
 Sequence 216: 13,19,8,21,10,1,23,3,5,17,0,12,2,18,4,9,11,20,16,22,7,24,15,6,14
 Sequence 217: 13,1,18,16,21,12,19,4,20,9,5,8,23,2,0,22,6,10,14,15,7,3,24,17,11
 Sequence 218: 24,9,4,1,18,5,21,2,12,3,22,16,7,23,8,19,0,20,10,13,17,15,6,11,14
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 Sequence 220: 21,11,16,13,6,1,4,14,17,7,9,3,24,5,23,18,10,15,8,12,22,20,2,0,19
 Sequence 221: 15,8,3,0,14,17,21,6,5,2,11,13,18,4,24,10,7,1,23,12,20,19,16,22,9
 Sequence 222: 18,22,10,1,20,24,15,9,11,19,5,6,8,21,23,2,0,16,17,7,14,13,12,4,3
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 Sequence 224: 5,7,22,21,12,15,2,9,16,3,18,19,13,1,20,10,0,17,11,4,14,23,6,8,24
 Sequence 225: 20,4,18,19,1,13,0,23,21,5,16,7,9,22,11,8,3,6,14,10,12,24,2,15,17
 Sequence 226: 11,10,4,17,7,19,3,12,22,8,14,2,9,15,20,13,1,6,16,24,18,0,5,21,23
 Sequence 227: 14,12,18,17,24,20,5,6,16,8,3,9,19,11,15,7,13,22,2,21,1,10,4,23,0
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 Sequence 229: 1,22,12,19,18,8,7,13,23,2,20,3,11,10,6,14,4,16,9,5,15,0,21,24,17
 Sequence 230: 19,15,10,4,14,13,17,5,8,23,20,2,6,22,21,7,24,12,1,11,0,18,9,3,16
 Sequence 231: 20,14,5,7,1,21,16,12,17,13,2,6,4,23,10,18,8,3,0,11,24,15,22,19,9
 Sequence 232: 18,21,9,4,7,8,14,11,22,6,3,16,17,2,12,1,23,15,0,13,19,20,24,10,5
 Sequence 233: 24,11,12,22,2,20,9,10,23,14,18,6,4,1,0,8,3,21,7,13,16,17,15,5,19
 Sequence 234: 6,7,10,8,1,20,12,11,14,5,17,19,13,15,9,18,22,24,2,21,16,23,4,3,0

Sequence 235: 20,13,8,17,4,1,9,5,12,21,15,19,2,7,24,18,10,11,14,0,22,6,23,3,16
Sequence 236: 24,12,4,14,3,18,6,22,1,7,13,17,20,16,0,11,9,10,2,19,15,8,5,23,21
Sequence 237: 5,15,3,4,9,17,19,0,12,6,8,10,18,7,16,20,11,22,21,1,23,14,24,13,2
Sequence 238: 9,17,14,13,12,0,4,10,24,6,1,23,19,22,20,5,8,2,21,18,11,15,7,3,16
Sequence 239: 2,7,8,17,20,5,23,13,21,12,15,3,6,14,10,22,11,18,1,4,16,19,24,9,0
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Sequence 242: 6,18,15,11,3,9,16,22,10,21,2,5,1,8,19,0,13,12,24,20,23,14,7,17,4
Sequence 243: 2,7,23,8,0,12,14,5,19,20,3,1,10,13,18,17,16,6,9,22,11,4,15,21,24
Sequence 244: 18,16,13,6,20,2,14,3,9,23,10,21,17,0,15,11,7,1,5,24,8,22,12,4,19
Sequence 245: 7,8,9,15,0,21,18,16,17,22,19,4,20,10,1,3,23,6,11,24,2,13,12,5,14
Sequence 246: 14,0,11,7,21,15,17,12,10,5,4,1,22,3,8,19,9,2,6,23,18,13,24,20,16
Sequence 247: 0,21,6,10,3,9,20,14,2,19,24,11,5,18,7,22,23,13,12,15,17,1,16,8,4
Sequence 248: 4,16,18,1,9,19,11,3,12,15,22,8,23,6,2,17,5,14,20,10,13,21,7,24,0
Sequence 249: 12,0,24,7,14,9,21,20,23,15,5,13,19,2,8,3,22,1,4,17,11,6,18,16,10
Sequence 250: 23,13,14,15,21,6,2,10,22,8,11,9,19,20,12,1,18,4,0,5,24,16,3,17,7
Sequence 251: 2,8,17,12,6,16,5,1,11,10,15,13,22,14,7,23,19,18,24,3,21,0,9,20,4
Sequence 252: 20,8,5,10,7,16,4,13,19,12,0,17,18,11,9,14,2,21,22,3,15,24,23,1,6
Sequence 253: 7,14,6,9,5,22,10,2,12,4,21,3,16,8,1,24,19,20,18,13,15,23,11,0,17
Sequence 254: 20,11,5,6,10,8,17,12,23,4,18,16,2,13,3,19,0,15,1,7,9,22,14,21,24
Sequence 255: 15,24,7,18,0,4,6,10,23,11,20,14,8,5,2,17,21,19,12,9,1,3,22,16,13