

Canon-McMillan Computer Science Club

2015-2016 – Session 5

Problem: Spiral Square

Difficulty: Difficult

Create a spiral square with a side length that is input by the user. The spiral square will always start with 0 in the center and will always have an odd number of rows/columns. Points will not be given for simply instantiating an array with the values below. A loop-structure must be used to create the printout below.

Sample Printout)

Enter side length of square (must be odd): 7

```
30 31 32 33 34 35 36
29 12 13 14 15 16 37
28 11 2  3  4  17 38
27 10 1  0  5  18 39
26 9  8  7  6  19 40
25 24 23 22 21 20 41
48 47 46 45 44 43 42
```

Sample Printout)

Enter side length of square (must be odd): 3

```
2  3  4
1  0  5
8  7  6
```