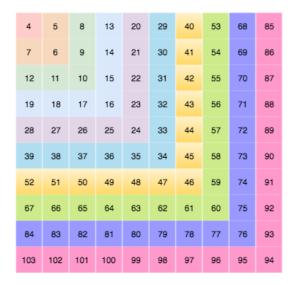# Numbers Square

You are asked to design numeric square walls with unit size tiles and tiles should be added in a specific pattern. As explained from the figure below, you have to fill the whole wall by starting always from the upper left corner. Then you continue by growing the size of the wall incrementally. You start by filling a 1 by 1 wall, then a 2 by 2 wall until the n by n wall is finished:

So, in the example given above, you have to fill a 10 by 10 wall starting from number 4. Then, you continue from the next column (downwards) and from the next row (from right to left) by incrementing the number and by storing it in the current position of the wall.

Given the dimension of the final wall and the starting number, print all the elements of the final wall.

Input Format

You will be given only two integers n and s separated by a single space where n represents the dimension of the final wall and s represents the starting number in the upper left corner.

Constraints

- $5 \le n \le 100$
- $1 \le s \le 100$

Output Format

Show all the numbers of the final wall separated by a single space as in the given examples.

Sample Input 0

```
5 1
```

Sample Output 0

```
1 2 5 10 17
4 3 6 11 18
9 8 7 12 19
16 15 14 13 20
25 24 23 22 21
```

Explanation 0

A 5 by 5 wall is filled in the same way as described in the problem statement starting from 1.

Sample Input 1

```
10 4
```

Sample Output 1

```
4 5 8 13 20 29 40 53 68 85
7 6 9 14 21 30 41 54 69 86
12 11 10 15 22 31 42 55 70 87
19 18 17 16 23 32 43 56 71 88
28 27 26 25 24 33 44 57 72 89
39 38 37 36 35 34 45 58 73 90
52 51 50 49 48 47 46 59 74 91
67 66 65 64 63 62 61 60 75 92
84 83 82 81 80 79 78 77 76 93
103 102 101 100 99 98 97 96 95 94
```

Explanation 1

A 10 by 10 wall is filled in the same way as described in the problem statement starting from the number 4.