矩陣正時鐘、逆時鐘排列（Spiral Matrix)

本題要求你撰寫一程式將一 $N \times N$ 矩陣以順時針或逆時針螺旋方式加上從 1開始的編號，以下左圖是順時針的 4×4 螺旋編號矩陣，右圖則是逆時針。

This question requires you to write a program to add numbers starting from 1 to an $N \times N$ matrix in a clockwise or counterclockwise spiral manner. The left picture below is a clockwise 4×4 spiral numbered matrix, and the right picture is counterclockwise.

1	2	3	4
12	13	14	5
11	16	15	6
10	9	8	7

1	12	11	10
2	13	16	9
3	14	15	8
4	5	6	7

輸入說明 (Input Description)

測資第一行為整數 T 表示測資筆數，每筆測資一行包含兩整數 $N \leq 100$，$D \in \{1, 2\}$，N 為矩陣維度的大小，D=1 表示螺旋方向為順時針，D=2 表示螺旋方向為逆時針。

The first row of the test fund contains an integer T, which represents the number of the test fund. Each row of the test fund contains two integers N ≤ 100, D ∈{1, 2}, N is the size of the matrix dimension, D=1 means the spiral direction is clockwise, D=2 means the spiral direction is counterclockwise.

輸出說明 (Output Description)

每筆測試輸出指定方向的螺旋編號矩陣，矩陣元素的欄寬為 6，並在各欄間外加一空白；各筆測試的輸出間須輸出一空白行。

Each test outputs a spiral number matrix in the specified direction. The column width of the matrix element is 6, and a blank line is added between each column; a blank line must be output between the output of each test.

範例輸入 (Input Examples)

```
2
3 1
2 2
```

範例輸出 (Output Examples)

```
     1     2     3
     8     9     4
     7     6     5

     1     4
     2     3
```