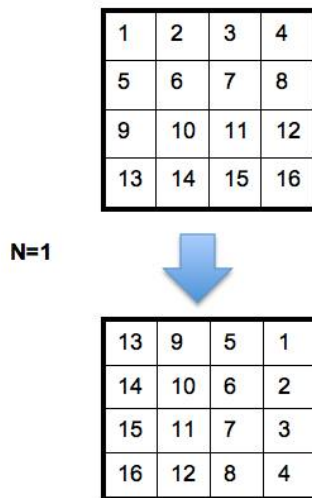


TC1018: Estructura de Datos C++
PRO01 – Spin the Matrix (Tutoring 24/7)
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Forma de Trabajo: Individual.

Write a program that a 4 x 4 matrix given, display this with N spins close wise.



Input

The number of spins of the matrix($-10,0000 \leq n \leq 10,000$), next the 16 numbers of the matrix

Output

The 16 integers of the matrix at the end of the N spins

Sample Input

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

Sample Output

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