給定一個 N\*N 的二維陣列，其中N是奇數，我們可以從正中間的位置開始順時 針旋轉的方式走訪每個陣列元素恰好一次。對於給定的陣列內容與起始方向，請輸出走訪順序之內容。下面的例子顯示了N=5且第一步往左的走訪順序：

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | → | 4 | → | 2 | → | 1 | → | 4 |
| ↑ |  |  |  |  |  |  |  | ↓ |
| 4 |  | 2 | → | 3 | → | 8 |  | 9 |
| ↑ |  | ↑ |  |  |  | ↓ |  | ↓ |
| 2 |  | 1 | ← | 9 |  | 5 |  | 6 |
| ↑ |  |  |  |  |  | ↓ |  | ↓ |
| 4 | ← | 2 | ← | 3 | ← | 7 |  | 8 |
|  |  |  |  |  |  |  |  | ↓ |
| 1 | ← | 2 | ← | 6 | ← | 4 | ← | 3 |

 依此順序輸出陣列內容則可以得到 「9123857324243421496834621」。

類似地，如果是第一步向上則走訪順序下：

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 |  | 4 | → | 2 | → | 1 | → | 4 |
| ↑ |  | ↑ |  |  |  |  |  | ↓ |
| 4 |  | 2 |  | 3 | → | 8 |  | 9 |
| ↑ |  | ↑ |  | ↑ |  | ↓ |  | ↓ |
| 2 |  | 1 |  | 9 |  | 5 |  | 6 |
| ↑ |  | ↑ |  |  |  | ↓ |  | ↓ |
| 4 |  | 2 | ← | 3 | ← | 7 |  | 8 |
| ↑ |  |  |  |  |  |  |  | ↓ |
| 1 | ← | 2 | ← | 6 | ← | 4 | ← | 3 |

依此順序輸出陣列內容則可以得到 「9385732124214968346214243」。