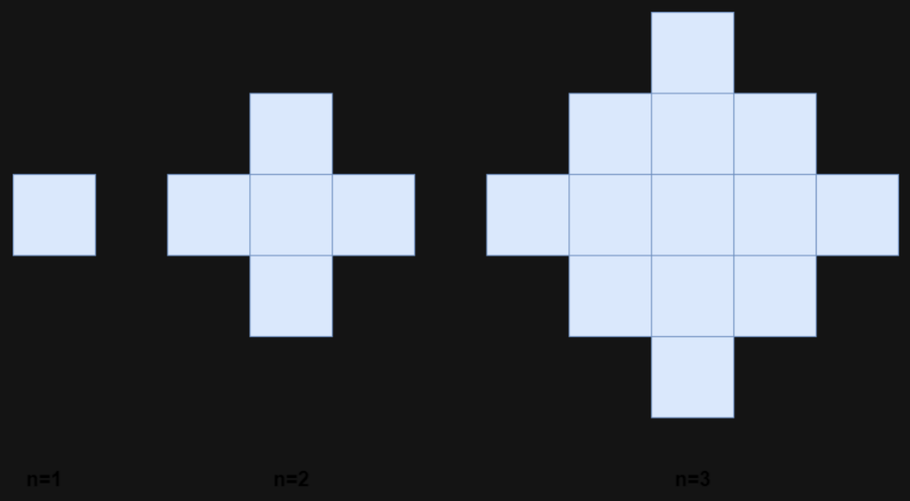
# 2579. Count Total Number of Colored Cells

## Description

There exists an infinitely large two-dimensional grid of uncolored unit cells. You are given a positive integer `n`, indicating that you must do the following routine for `n` minutes:

- At the first minute, color **any** arbitrary unit cell blue.
- Every minute thereafter, color blue **every** uncolored cell that touches a blue cell.

Below is a pictorial representation of the state of the grid after minutes 1, 2, and 3.




Return *the number of* ***colored cells*** *at the end of* `n` *minutes*.

### Example 1:

```
Input: n = 1
Output: 1
Explanation: After 1 minute, there is only 1 blue cell, so we return 1.
```

### Example 2:

```
Input: n = 2
Output: 5
Explanation: After 2 minutes, there are 4 colored cells on the boundary and 1 in the center, so we return 5.
```

### Constraints:

- $1 <= n <= 10^5$