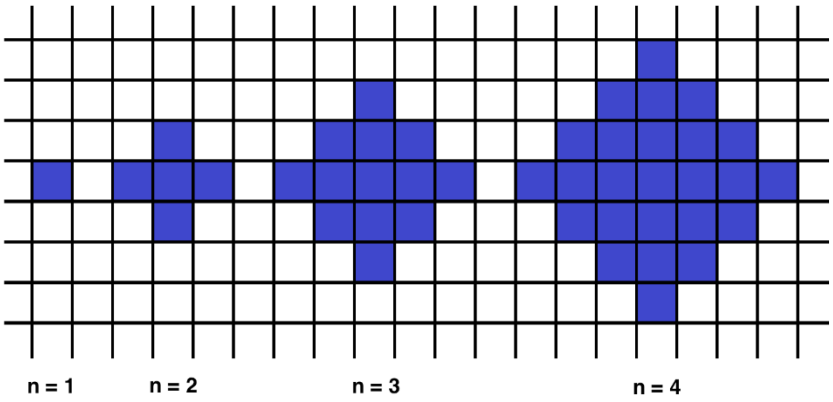
Below we will define an `n`-interesting polygon. Your task is to find the area of a polygon for a given `n`.
A `1`-interesting polygon is just a square with a side of length `1`. An `n`-interesting polygon is obtained by taking the `n - 1`-interesting polygon and appending `1`-interesting polygons to its rim, side by side. You can see the `1`-, `2`-, `3`- and `4`-interesting polygons in the picture below.




## Example

- For `n = 2`, the output should be `solution(n) = 5`;
- For `n = 3`, the output should be `solution(n) = 13`.

## Input/Output

- **[execution time limit] 4 seconds (py3)**
- **[memory limit] 1 GB**
- **[input] integer n**

  *Guaranteed constraints:*
  $1 \le n < 10^4$.

- **[output] integer**

  The area of the `n`-interesting polygon.

**[Python 3] Syntax Tips**

```
# Prints help message to the console
# Returns a string
def helloWorld(name):
    print("This prints to the console when you Run Tests")
    return "Hello, " + name
```