2927. Distribute Candies Among Children III

Description

You are given two positive integers `n` and `limit`.

Return *the* **total number** *of ways to distribute* `n` *candies among* `3` *children such that no child gets more than* `limit` *candies.*

Example 1:

```
Input: n = 5, limit = 2
Output: 3
Explanation: There are 3 ways to distribute 5 candies such that no child gets more than 2 candies: (1, 2, 2), (2, 1, 2) and (2, 2, 1).
```

Example 2:

```
Input: n = 3, limit = 3
Output: 10
Explanation: There are 10 ways to distribute 3 candies such that no child gets more than 3 candies: (0, 0, 3), (0, 1, 2), (0, 2, 1), (0, 3, 0), (1, 0, 2), (1, 1, 1), (1, 2, 0), (2, 0, 1), (2, 1, 0) and (3, 0, 0).
```

Constraints:

- $1 <= n <= 10^8$
- $1 <= limit <= 10^8$