

1716. Calculate Money in Leetcode Bank

Description

Hercy wants to save money for his first car. He puts money in the Leetcode bank **every day**.

He starts by putting in `$1` on Monday, the first day. Every day from Tuesday to Sunday, he will put in `$1` more than the day before. On every subsequent Monday, he will put in `$1` more than the **previous Monday**.

Given `n`, return *the total amount of money he will have in the Leetcode bank at the end of the `nth` day.*

Example 1:

Input: `n = 4`

Output: `10`

Explanation: After the 4th day, the total is $1 + 2 + 3 + 4 = 10$.

Example 2:

Input: `n = 10`

Output: `37`

Explanation: After the 10th day, the total is $(1 + 2 + 3 + 4 + 5 + 6 + 7) + (2 + 3 + 4) = 37$. Notice that on the 2nd Monday, Hercy only puts in \$2.

Example 3:

Input: `n = 20`

Output: `96`

Explanation: After the 20th day, the total is $(1 + 2 + 3 + 4 + 5 + 6 + 7) + (2 + 3 + 4 + 5 + 6 + 7 + 8) + (3 + 4 + 5 + 6 + 7 + 8) = 96$.

Constraints:

- `1 <= n <= 1000`

