5633. Calculate Money in Leetcode Bank

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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* n^{th} *day*.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

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, Her
```

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
```

Constraints:

- 1 <= n <= 1000

JavaScript ▼

```javascript
/**
 * @param {number} n
 * @return {number}
 */
const totalMoney = (n) => {
    let rest = n % 7;
    let full = Math.floor(n / 7);
    let sum = 0;
    let start = 1;
    for (let i = 1; i <= full; i++) {
        let tmp = (start + start + 6) * 7 / 2;
        sum += tmp;
        start++;
    }
    let restSum = (start + start + rest - 1) * rest / 2;
    return sum + restSum;
};
```

☐ **Custom Testcase**   (Use Example Testcases)

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