1137. N-th Tribonacci Number

The Tribonacci sequence Tn is defined as follows:

T0 = 0, T1 = 1, T2 = 1, and Tn+3 = Tn + Tn+1 + Tn+2 for n >= 0.

Given `n`, return the value of Tn.

Example 1:

```
Input: n = 4
Output: 4
Explanation:
T_3 = 0 + 1 + 1 = 2
T_4 = 1 + 1 + 2 = 4
```

Example 2:

```
Input: n = 25
Output: 1389537
```

Constraints:

- `0 <= n <= 37`
- The answer is guaranteed to fit within a 32-bit integer, ie. `answer <= 2^31 - 1`.

```
res = [0,1,1]
        if n==0 or n==1 or n==2:
            return res[n]
        dp = [0]*(n+1)
        dp[0]=0
        dp[1]=1
        dp[2]=1
        for i in range(3,n+1):
            dp[i] = dp[i-1]+dp[i-2]+dp[i-3]
        return dp[n]
```

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```
def tribonacci(self, n: int) -> int:
    dp = [0, 1, 1]
```

```
        for i in range(3, n + 1):
            dp[i % 3] = sum(dp)
        return dp[n % 3]
```