1137. N-th Tribonacci Number

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The Tribonacci sequence T_n is defined as follows:

$T_0 = 0$, $T_1 = 1$, $T_2 = 1$, and $T_{n+3} = T_n + T_{n+1} + T_{n+2}$ for n >= 0.

Given `n`, return the value of T_n.

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`.

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```java
class Solution {
    public int tribonacci(int n) {
        if(n == 0)
            return 0;
        else if(n == 1)
            return 1;
        else if(n == 2)
            return 1;
        else{

            int[] results = new int[n + 1];

            results[0] = 0;
            results[1] = 1;
            results[2] = 1;

            for(int i = 3; i <=n; i++){
                results[i] = results[i - 1] + results[i - 2] + results[i - 3];
            }

            return results[n];
        }
    }
}
```

Testcase Run Code Result Debugger

Accepted Runtime: 0 ms

Your input 4

Output 4 Diff

Expected 4