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⊞ Description   △ Solution   ⊙ Submissions   ⊟ Discuss (126)   i C#

i   {}   ↺

1137. N-th Tribonacci Number

Easy   👍 44   👎 8   ♡ Favorite   ⊓ Share

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 .

Accepted 8,523   Submissions 13,963

Seen this question in a real interview before?   Yes   No

Contributor

Companies 🔒   ⌄

```
1       public cla
2  ▾    {
3            privat
       38;
4            public
       int[n];
5
6            public
7  ▾        {
8                nu
9                nu
10
11               //
       is n means 0 t
12                   Tr
13           }
14           public
15  ▾       {
16               if
       0;
17
18               //
       calculated for
       No need to cal
19               if
       return nums[n]
20                   //
       n == 2)
21                   //
22                   el
23  ▾               {
24
       - 1) + Trib(n
       3);
25
```

Testcase   Run Code Result

Finished   Runtime: ⌐

Your input	4
Output	4
Expected	4

Console ▲   How

⊟ Problems   ⋇ Pick One   ‹ Prev   1137/1157   Next ›   ▶ Run Code