

1236. N-th Tribonacci Number

Difficulty : Easy

<https://leetcode.com/problems/n-th-tribonacci-number>

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 $n \geq 0$.

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:

- $0 \leq n \leq 37$
- The answer is guaranteed to fit within a 32-bit integer, ie. $\text{answer} \leq 2^{31} - 1$.