75 Days of Code
Day 59
Problem no : Leetcode 1137
Problem Title : N-th Tribonacci Number
Problem type : DP

.
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.


type MapType    = Record<number,number>;
 const map :MapType ={0:0,1:1,2:1};

function tribonacci(n: number): number {
    map[n]??=tribonacci(n-1)+tribonacci(n-2)+tribonacci(n-3);
    return map[n];

};
```

Accepted

Editorial

Runtime

Details

53 ms

Beats 60.07% of users with TypeScript

Memory

42.50 MB

Beats 69.79% of users with TypeScript