Number of Subsequences That Satisfy the Given Sum Condition

You are given an array of integers nums and an integer target.

Return *the number of **non-empty** subsequences of* nums *such that the sum of the minimum and maximum element on it is less or equal to* target. Since the answer may be too large, return it **modulo** $10^9 + 7$.

Example 1:

Input: nums = [3,5,6,7], target = 9

Output: 4

Explanation: There are 4 subsequences that satisfy the condition.

[3] -> Min value + max value <= target (3 + 3 <= 9)

[3,5] -> (3 + 5 <= 9)

[3,5,6] -> (3 + 6 <= 9)

[3,6] -> (3 + 6 <= 9)

Example 2:

Input: nums = [3,3,6,8], target = 10

Output: 6

Explanation: There are 6 subsequences that satisfy the condition. (nums can have repeated numbers).

[3] , [3] , [3,3], [3,6] , [3,6] , [3,3,6]

Example 3:

Input: nums = [2,3,3,4,6,7], target = 12

Output: 61

Explanation: There are 63 non-empty subsequences, two of them do not satisfy the condition ([6,7], [7]).

Number of valid subsequences (63 - 2 = 61).

Constraints:

- 1 <= nums.length <= 10^5
- 1 <= nums[i] <= 10^6
- 1 <= target <= 10^6