494. Target Sum

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

You want to build an expression out of nums by adding one of the symbols '+' and '-' before each integer in nums and then concatenate all the integers.

- For example, if nums = [2, 1], you can add a '+' before 2 and a '-' before 1 and concatenate them to build the expression "+2-1".

Return the number of different expressions that you can build, which evaluates to target.

Example 1:

- **Input:** nums = [1,1,1,1,1], target = 3
- **Output:** 5
- **Explanation:** There are 5 ways to assign symbols to make the sum of nums be target 3.
    - -1 + 1 + 1 + 1 + 1 = 3
    - +1 - 1 + 1 + 1 + 1 = 3
    - +1 + 1 - 1 + 1 + 1 = 3
    - +1 + 1 + 1 - 1 + 1 = 3
    - +1 + 1 + 1 + 1 - 1 = 3

Example 2:

- **Input:** nums = [1], target = 1
- **Output:** 1

Constraints:

- $1 <= nums.length <= 20$
- $0 <= nums[i] <= 1000$
- $0 <= sum(nums[i]) <= 1000$
- $-1000 <= target <= 1000$