

# 494. Target Sum

## Description

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`

