@LeetCode

You are given a list of non-negative integers, a1, a2, ..., an, and a target, S. Now you have 2 symbols +and -. For each integer, you should choose one from + and - as its new symbol.

Find out how many ways to assign symbols to make sum of integers equal to target S.

Example 1:

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

- 1. The length of the given array is positive and will not exceed 20.
- 2. The sum of elements in the given array will not exceed 1000.
- 3. Your output answer is guaranteed to be fitted in a 32-bit integer.