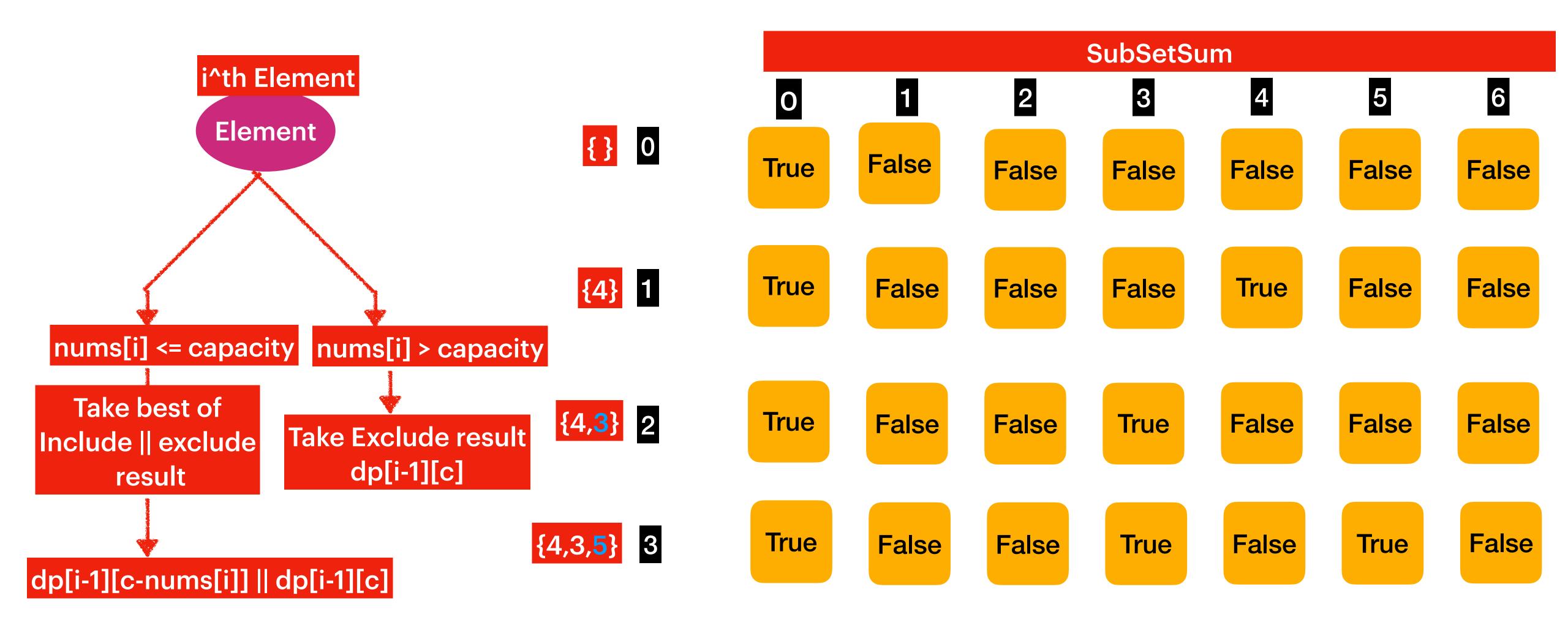
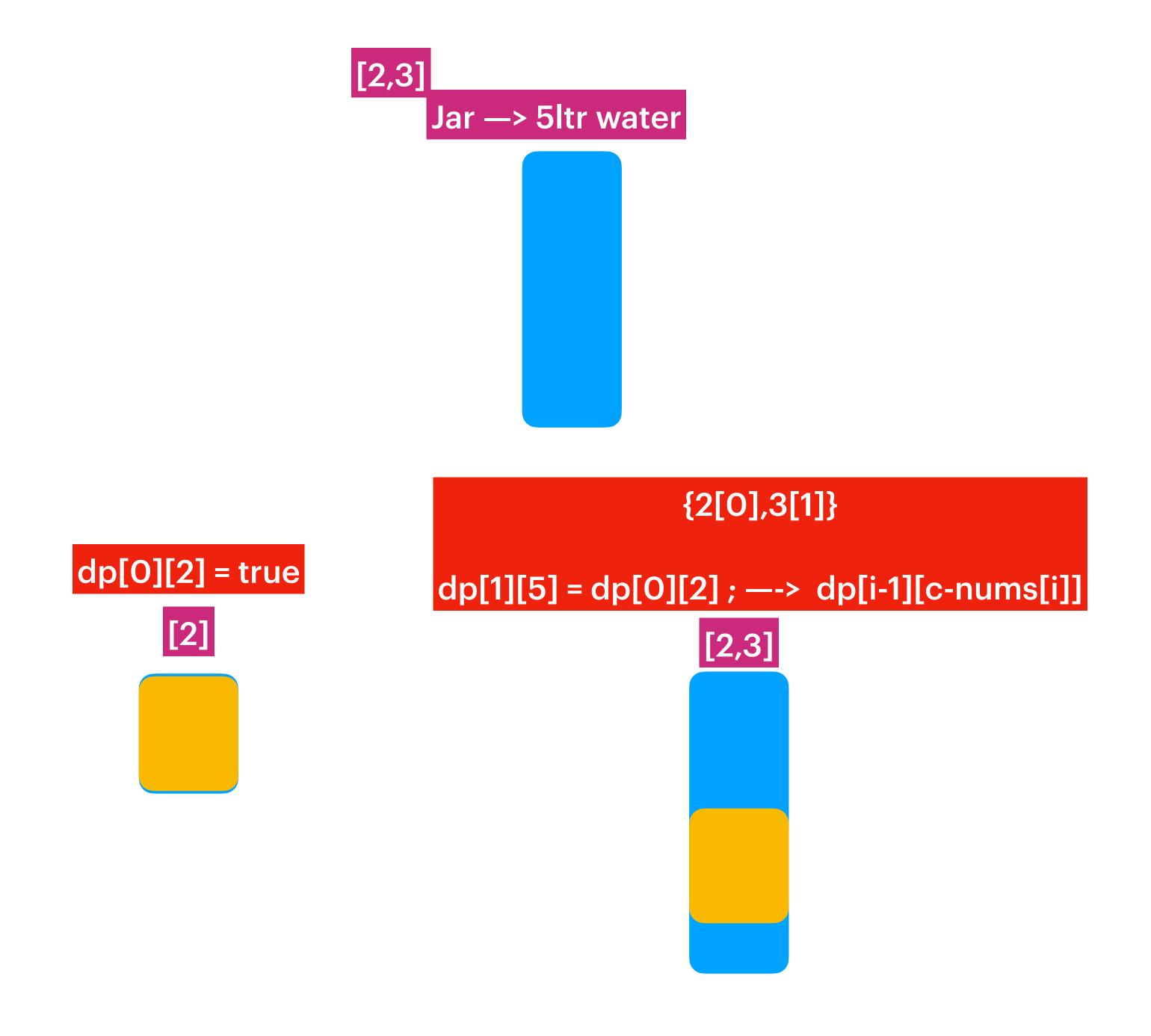


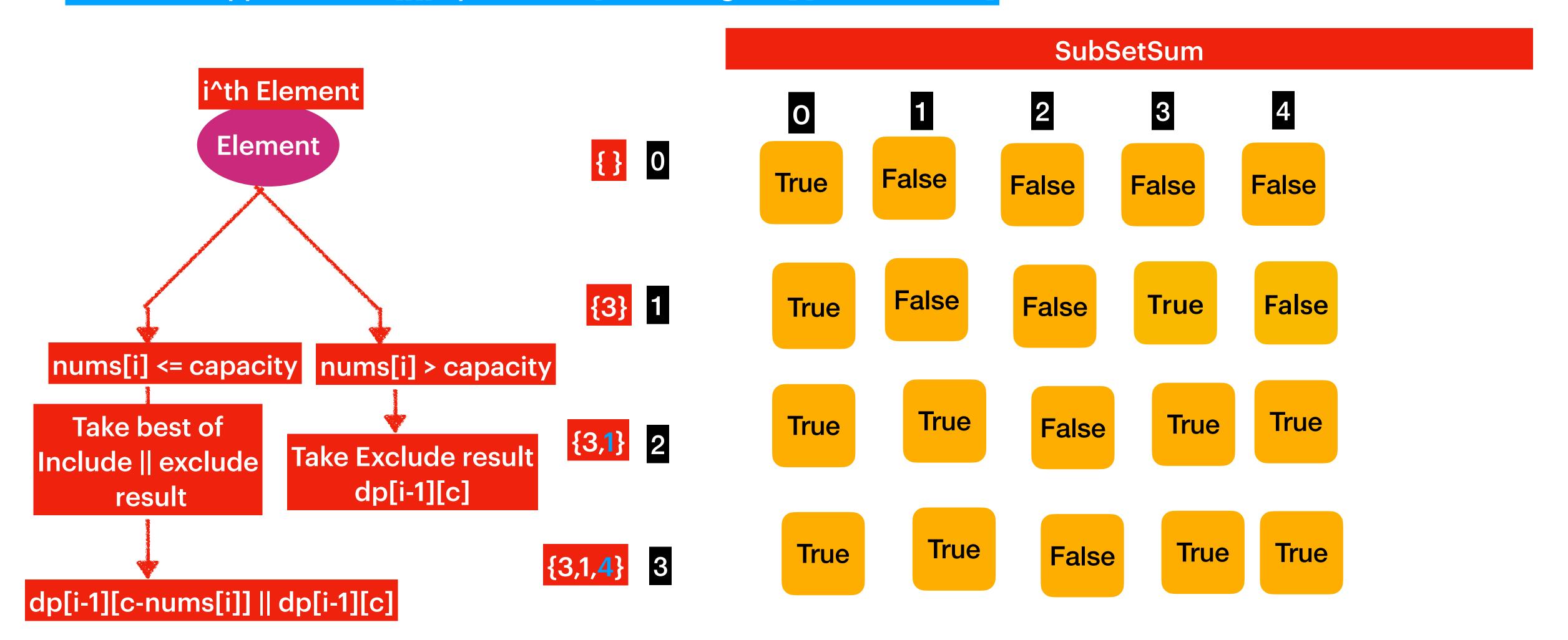
Tabulation Approach: int[][] dp = new int[nums.length+1] [subSetSum+1]

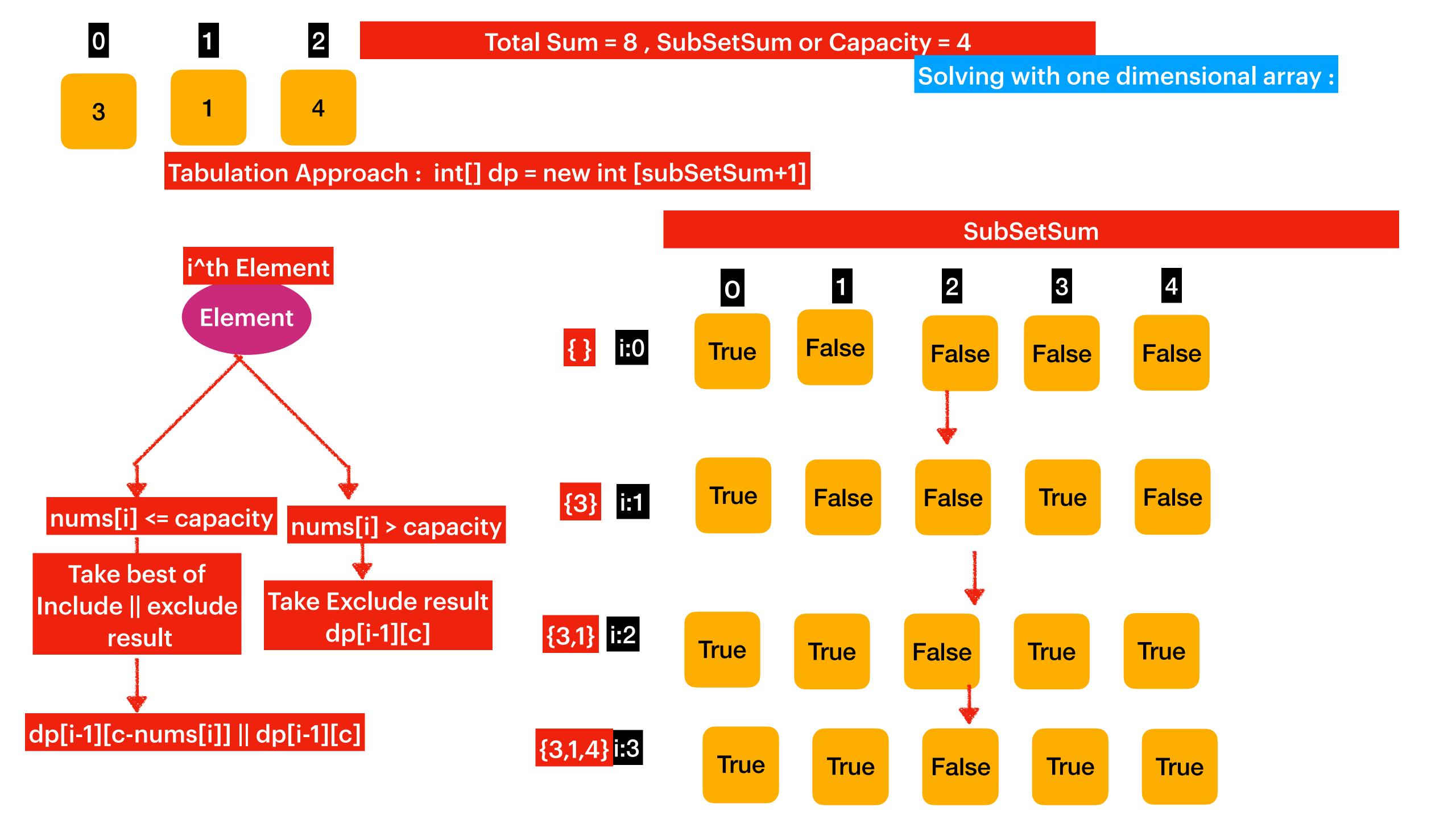






Tabulation Approach: int[][] dp = new int[nums.length+1] [subSetSum+1]





## 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

