Problem Link:

https://www.naukri.com/code360/problems/partition-equal-subset-sum_892980?source=youtube&campaign=striver_dp_videos&utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_dp_videos&leftPanelTabValue=PROBLEM

Problem statement

You are given an array 'ARR' of 'N' positive integers. Your task is to find if we can partition the given array into two subsets such that the sum of elements in both subsets is equal.

For example, let's say the given array is [2, 3, 3, 3, 4, 5], then the array can be partitioned as [2, 3, 5], and [3, 3, 4] with equal sum 10.

Follow Up:

Can you solve this using not more than O(S) extra space, where S is the sum of all elements of the given array?

Detailed explanation (Input/output format, Notes, Images)

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Constraints:
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1 <= 'T' <= 10
1 <= 'N' <= 100
1 <= 'ARR'[i] <= 100
```

Time Limit: 1 sec

Sample Input 1:

2

6

311221

5

565116

Sample Output 1:

true

false

Explanation Of Sample Input 1:

For the first test case, the array can be partitioned as ([2,1,1,1] and [3, 2]) or ([2,2,1], and [1,1,3]) with sum 5.

For the second test case, the array can't be partitioned.

Sample Input 2:

2

221111133

6

8761245

Sample Output 2:

false

true