


```
import bisect

def subset_sums(arr):
    sums = [0]
    for num in arr:
        new_sums = []
        for s in sums:
            new_sums.append(s + num)
        sums.extend(new_sums)
    return sums

def closest_subset_sum(arr, S):
    n = len(arr)
    mid = n // 2
```