

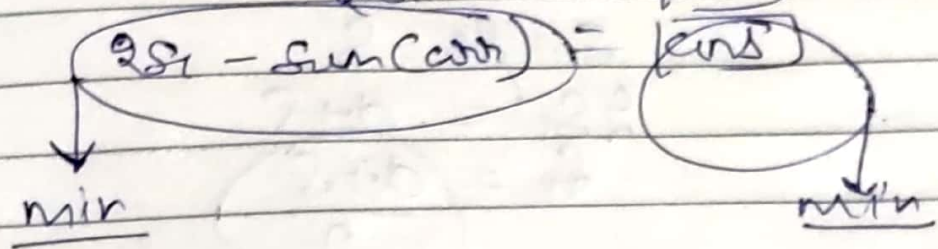
# Min Sum Partition

arr = [1, 6, 11, 5]  
N = 4

$$S_1 - S_2 = \text{ans}$$

$$S_1 + S_2 = \text{sum(arr)}$$

$$2S_1 = \text{ans} + \text{sum(arr)}$$



- # solve (n, S)
- # Base Cond<sup>n</sup>

n -> 0

return abs(2S - sum(arr))

- # choice diagram

