[2, 1, 5, 2, 3, 2] S = 7

0 1 2 3 4 5

min length = ∞

sum = 0

left, right = 0

right = 0 sum = 2 [2 1 5 2 3 2]

right = 1 sum = 3 [2 1 5 2 3 2]

right = 2 sum = 8 [2 1 5 2 3 2]

min length = 3

sum = 6 [2 1 5 2 3 2]

left = 1

right = 3 sum = 8 left = 1 [2 1 5 2 3 2]

min length = 3

sum = 7 [2 1 5 2 3 2]

left = 2

↓

min length = 2 [2 1 5 2 3 2]

sum = 2

left = 3

right = 4 sum = 5 left = 3 [2 1 5 2 3 2]

right = 5 sum = 7 left = 3 [2 1 5 2 3 2]

↓

min length = 2 (not 3 from here)

sum = 5

left = 4

final ans = smallest min length = 2