Prefix Sum

(Introduction to Problem Solving - I)

Q1. Prefix Sum - III ⊞ ✓ Solved 🔖

💡 Using hints except Complete Solution is Penalty free now   **Use Hint**

Given the prefix sum of an array, prefSum = [-2, 4, 1, 5, 2]
What is the sum of the original array from index 1 to 2 (0-based) ?

$$\Rightarrow \quad \text{Sum} (L \to R) = p[R] - p[L-1] \quad , \quad as \quad L = 2 \quad (L > 0)$$

$$= p[2] - p[2-1] = p[2] - p[0]$$

$$= 1 - (-2) = 1 + 2 = \boxed{3}$$