

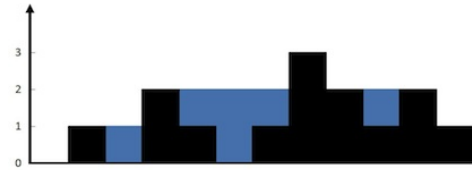
42. Trapping Rain Water

Difficulty : Hard

<https://leetcode.com/problems/trapping-rain-water>

Given n non-negative integers representing an elevation map where the width of each bar is 1, compute how much water it can trap after raining.

Example 1:



Input: height = [0,1,0,2,1,0,1,3,2,1,2,1]

Output: 6

Explanation: The above elevation map (black section) is represented by array [0,1,0,2,1,0,1,3,2,1,2,1]. In this case, 6 units of rain water (blue section) are being trapped.

Example 2:

Input: height = [4,2,0,3,2,5]

Output: 9

Constraints:

- $n == \text{height.length}$
- $1 \leq n \leq 2 \times 10^4$
- $0 \leq \text{height}[i] \leq 10^5$