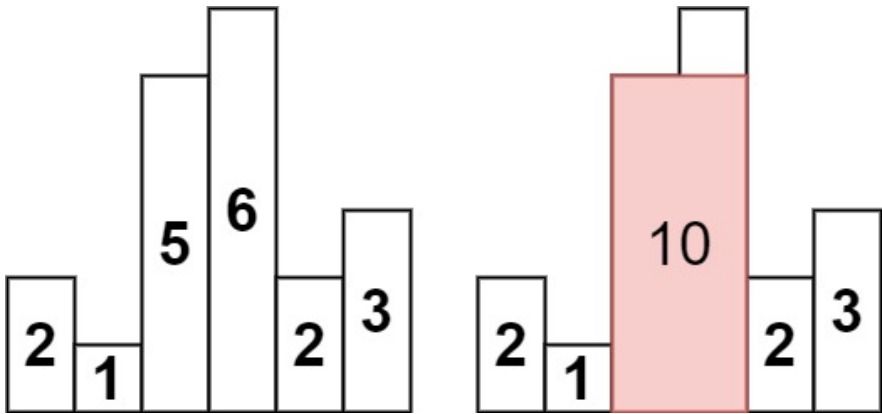


84. Largest Rectangle in Histogram

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Given an array of integers `heights` representing the histogram's bar height where the width of each bar is `1`, return *the area of the largest*

Example 1:

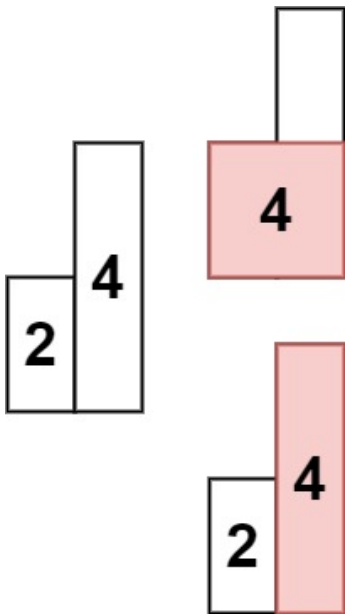


Input: `heights = [2,1,5,6,2,3]`

Output: `10`

Explanation: The above is a histogram where width of each bar is 1.
The largest rectangle is shown in the red area, which has an area = 10 units.

Example 2:



Input: `heights = [2,4]`

Output: `4`

Constraints:

- `1 <= heights.length <= 105`
- `0 <= heights[i] <= 104`

Seen this question in a real interview before? 1/4

[Yes](#) [No](#)

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