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Description

Solution

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Java

Autocomplete

84. Largest Rectangle in Histogram

Hard

8871

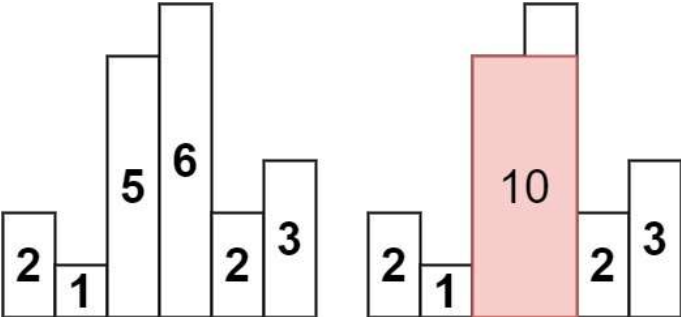
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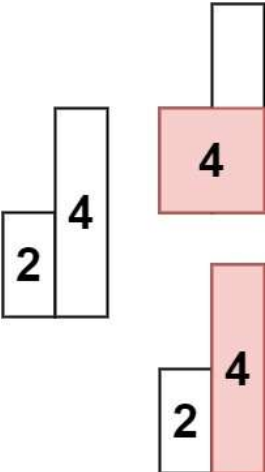
Given an array of integers heights representing the histogram's bar height where the width of each bar is 1, return the area of the largest rectangle in the histogram.

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 <= 10^5
- 0 <= heights[i] <= 10^4

Accepted 467,596

Submissions 1,163,581

Seen this question in a real interview before?

Yes

No

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class Solution {

2

public int largestRectangleArea(int[] heights) {

3

4

}

5

}

Problems

Pick One

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Run Code

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https://leetcode.com/problems/largest-rectangle-in-histogram/

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