

Description

Solution

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Submissions

84. Largest Rectangle in Histogram

Hard

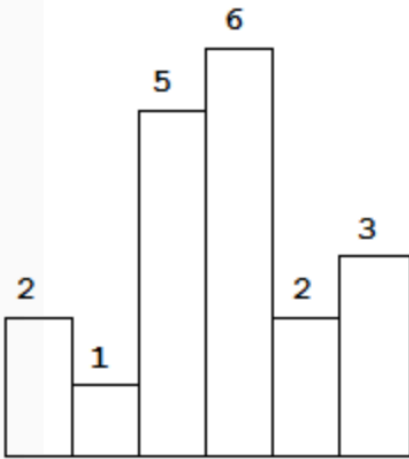
3694

81

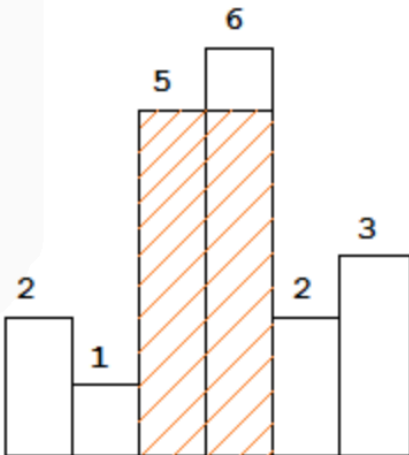
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Given n non-negative integers representing the histogram's bar height where the width of each bar is 1, find the area of largest rectangle in the histogram.



Above is a histogram where width of each bar is 1, given height = `[2, 1, 5, 6, 2, 3]`.



Example:

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

Output: 10

The largest rectangle is shown in the shaded area, which has area = 10 unit.