Description   Solution   Discuss (643)   Submissions

84. Largest Rectangle in Histogram
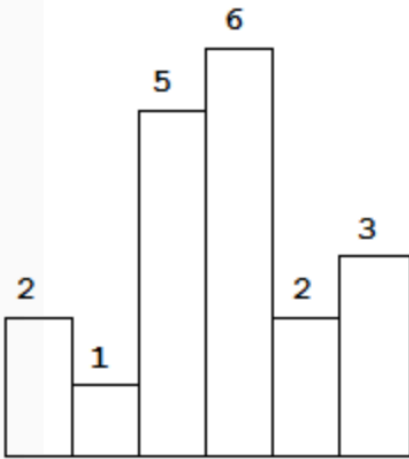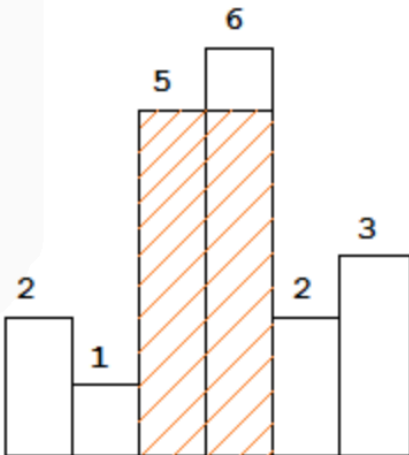
Hard   👍 3694   👎 81   ♡ Add to List   ⎘ Share

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.

≡ Problems   ⤨ Pick One   ‹ Prev   19/318   Next ›