Largest Rectangle In Histogram

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.
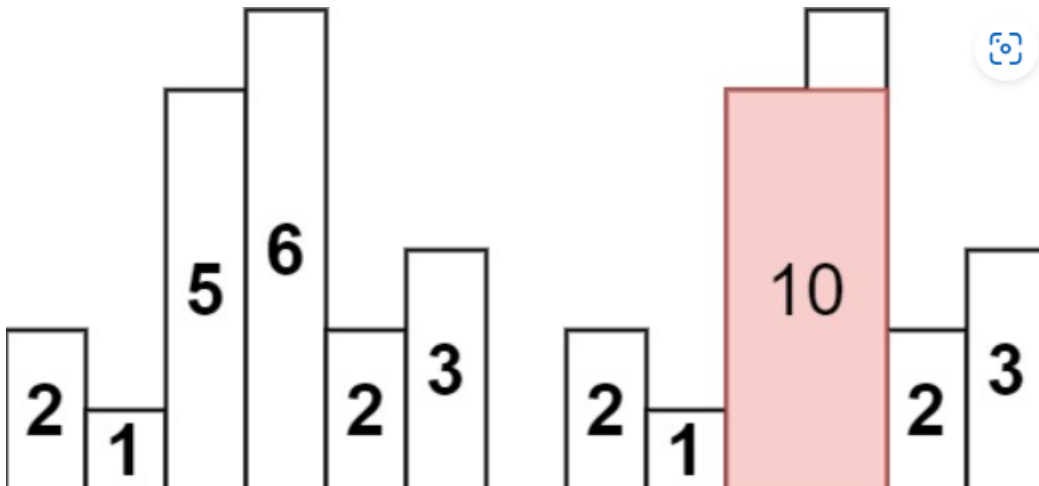
Constraints:

$1 \leq heights.length \leq 10^5$.

$-0 \leq heights[i] \leq 10^4$.

Example:

Input: 2 1 5 6 2 3	heights = [2,1,5,6,2,3]
Output: 10	10

Input: 2 4	heights = [2,4]
Output: 4	4