Unknown Title

Description

Description

Note

Note

Editorial

Editorial

Solutions

Solutions

Submissions

Submissions

Code

Code

☑

Testcase

Testcase

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Test Result

Test Result

11. Container With Most Water

Medium

Topics

Companies

Hint

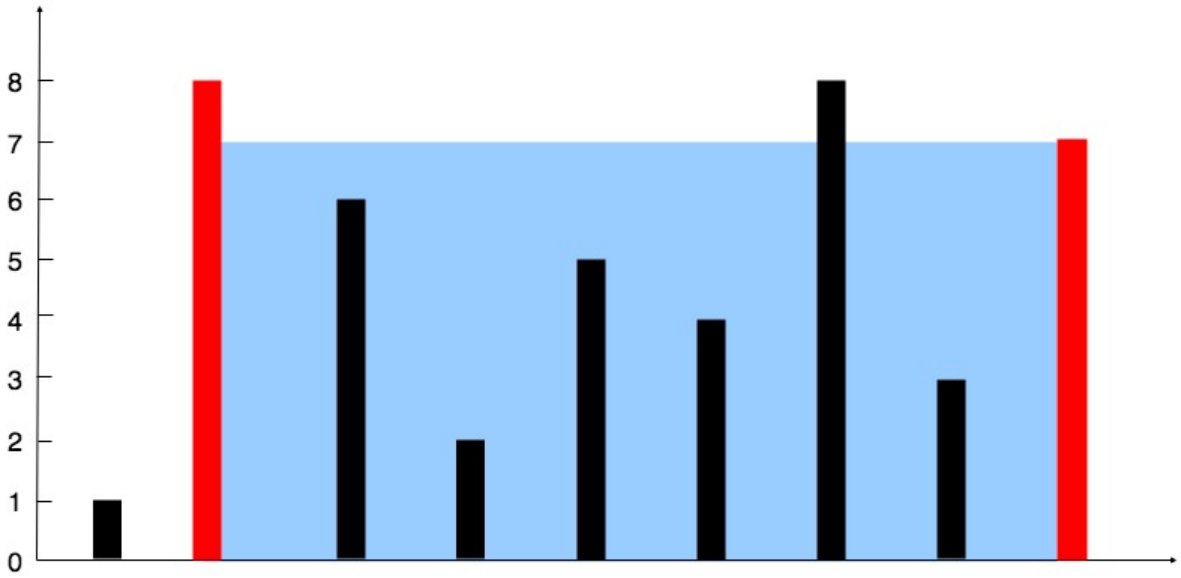
You are given an integer array `height` of length `n`. There are `n` vertical lines drawn such that the two endpoints of the i^{th} line are `(i, 0)` and `(i, height[i])`.

Find two lines that together with the x-axis form a container, such that the container contains the most water.

Return *the maximum amount of water a container can store*.

Notice that you may not slant the container.

Example 1:



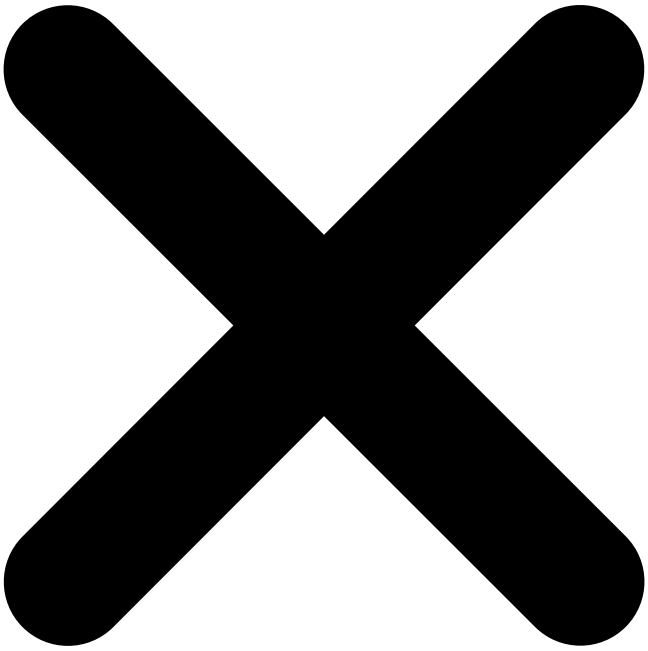
Input: height = [1,8,6,2,5,4,8,3,7]
Output: 49
Explanation: The above vertical lines are represented by array [1,8,6,2,5,4,8,3,7]. In this case, the max area of water (blue section) the container can contain is 49.

Example 2:

Input: height = [1,1]
Output: 1

Constraints:

- n == height.length
- $2 <= n <= 10^5$
- $0 <= height[i] <= 10^4$



Seen this question in a real interview before?

1/5

Yes

No

Accepted

3.7M

Submissions

6.4M

Acceptance Rate

56.8%

Companies

Hint 1

If you simulate the problem, it will be O(n^2) which is not efficient.

Hint 2

Try to use two-pointers. Set one pointer to the left and one to the right of the array. Always move the pointer that points to the lower line.

Hint 3

How can you calculate the amount of water at each step?

Discussion (458)

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💡 Discussion Rules

1. Please don't post **any solutions** in this discussion.

2. The problem discussion is for asking questions about the problem or for sharing tips - anything except for solutions.

3. If you'd like to share your solution for feedback and ideas, please head to the solutions tab and post it there.

No comments yet.

225 Online

1

2

3

4

5

```
class Solution {
    public int maxArea(int[] height) {


    }
}
```

Saved

Ln 1, Col 1

height =

[1,8,6,2,5,4,8,3,7]

9

1

2

›

[1,8,6,2,5,4,8,3,7]

[1,1]

</>
Source

FindHeaderBarSize

FindTabBarSize

FindBorderBarSize