11. Container With Most Water

2196 385

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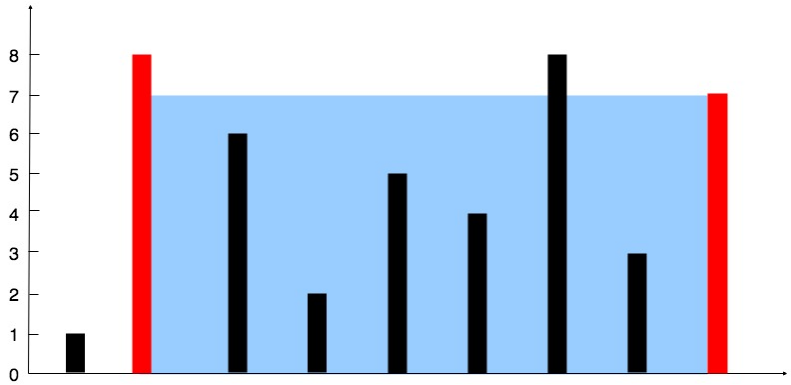
Given n non-negative integers a_1, a_2, ..., a_n , where each represents a point at coordinate (i, a_i). n vertical lines are drawn such that the two endpoints of line i is at (i, a_i) and (i, 0). Find two lines, which together with x-axis forms a container, such that the container contains the most water.

Note: You may not slant the container and n is at least 2.



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:

```
Input: [1,8,6,2,5,4,8,3,7]
Output: 49
```

Seen this question in a real interview before? Yes No

Difficulty: Medium

Total Accepted: 266.2K

Total Submissions: 665.8K

Contributor: LeetCode

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Custom Testcase (Contribute !)

Run Code | Submit Solution

Submission Result: Accepted (/submissions/detail/189403392/) More Details > (/submissions/detail/189403392/)

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Check out our solution! Reveal Solution > (/articles/container-with-most-water/)