

Array · LeetCode

Container With Most Water - Le

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Array

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11. Container With Most Water

Solved

Medium Topics Companies Hint

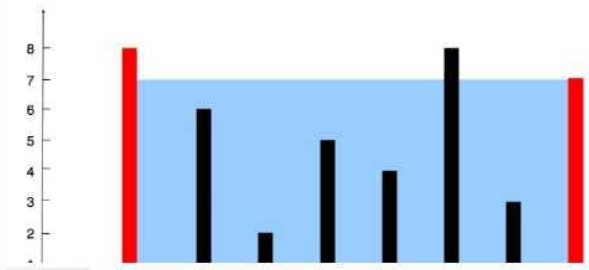
You are given an integer array `height` of length `n`. There are `n` vertical lines drawn such that the two endpoints of the `i`th line are `(i, 0)` and `(i, height[i])`.

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:



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Code

Java Auto

```
1 class Solution {
2     public int maxArea(int[] height) {
3         int l=0,r=height.length-1;
4         int ans=0;
5         while(l<r){
6             int t=Math.min(height[l],height[r])*(r-l);
7             ans=Math.max(ans,t);
8             if(height[l]<height[r]){
9                 ++l;
10            }
11            else{
12                --r;
13            }
14        }
15        return ans;
16    }
17 }
```

Saved Ln 6, Col 27

Testcase Test Result

Accepted Runtime: 0 ms

Case 1 Case 2

Input

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