


11. Container With Most Water

Hint 

Medium



 27.2K

 1.5K



 Companies

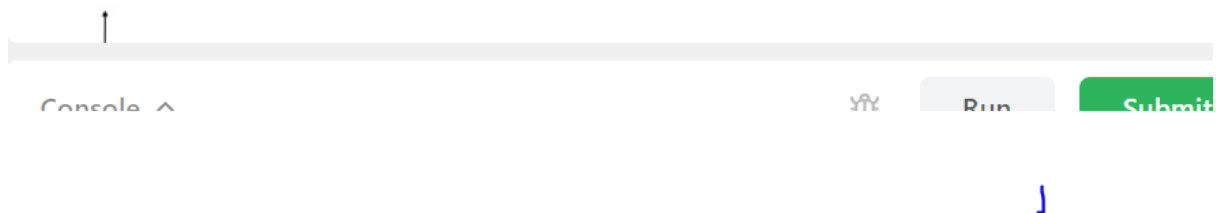
You are given an integer array `height` of length `n`. There are `n` vertical lines drawn such that the two endpoints of the `ith` line are `(i, 0)` and `(i, height[i])`.

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:



Code

```
class Solution {
    func maxArea(_ height: [Int]) -> Int {
        guard height.count > 0 else {
            return min(height[1],height[0])
        }

        var a = 0
        var b = height.count-1
        var result = (b-a)*min(height[a],height[b])

        while (a < b) {
            result =
max(result, (b-a)*min(height[a],height[b]))
        }
    }
}
```

```
        if(height[a]<height[b]) {  
            a = a + 1  
        }  
        else {  
            b = b-1  
        }  
    }  
  
    return result  
}  
}
```