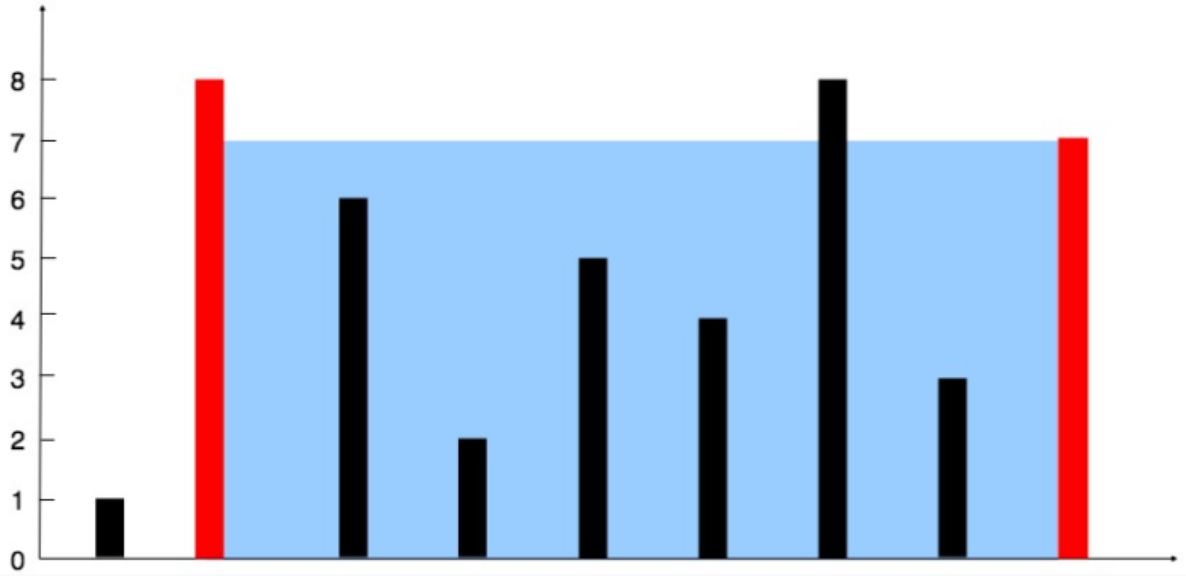
```
11 | Medium |  Container With Most Water | Array

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:




```
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
```

```cpp
int maxArea(vector<int>& height) {
    int N = height.size(), result = 0;
    int i=0, j=N-1;
    while(i<j) {
        int ht = min(height[i], height[j]);
        result = max(ht*(j-i), result);
        (height[i] > height[j]) ? j-- : i++;
    }
    return result;
}
```

#100daysofDSA





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