11. Container With Most Water

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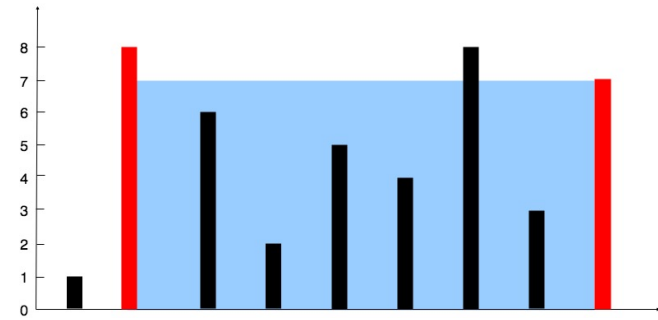
You are given an integer array `height` of length `n`. There are `n` vertical lines drawn such that the two endpoints of the ith line are `(i, 0)` and `(i, height[i])`.

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

Constraints:

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