

## 11. Container With Most Water

Solved 

Medium

Topics

Companies

Hint

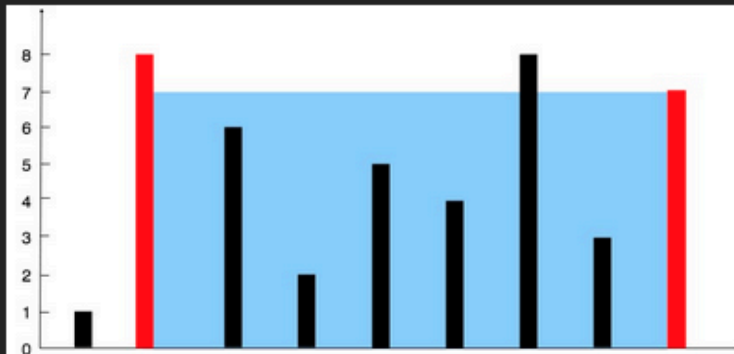
You are given an integer array `height` of length `n`. There are `n` vertical lines drawn such that the two endpoints of the  $i^{\text{th}}$  line are  $(i, 0)$  and  $(i, \text{height}[i])$ .

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:**

- $n == \text{height.length}$
- $2 \leq n \leq 10^5$
- $0 \leq \text{height}[i] \leq 10^4$