

## 11. Container With Most Water

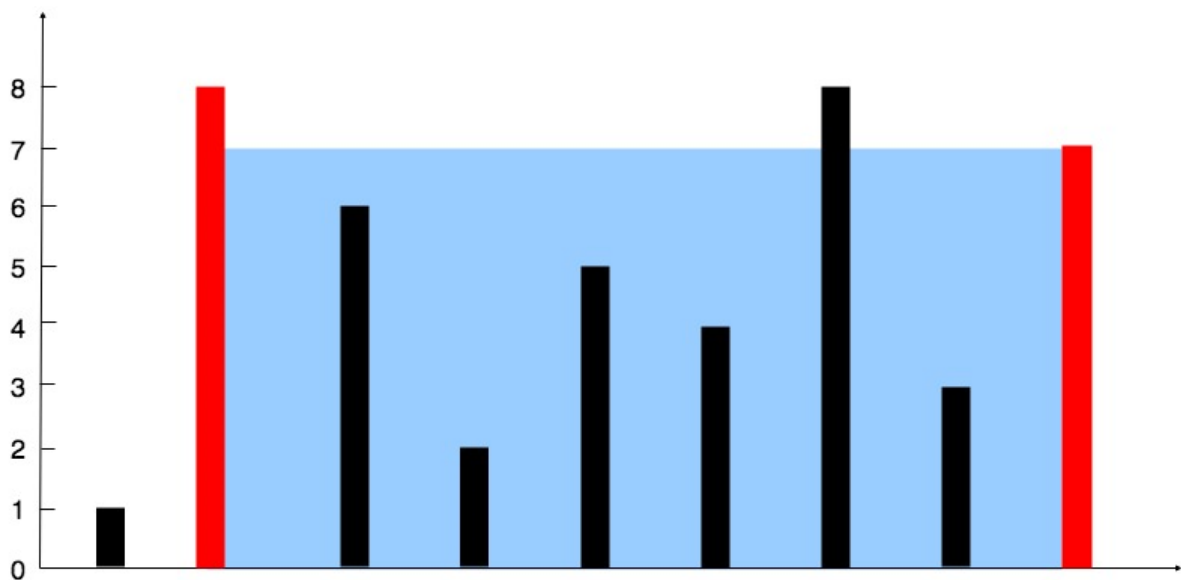
You are given an integer array `height` of length `n`. There are `n` vertical lines drawn such that the two endpoints of the  $i^{\text{th}}$  line are  $(i, 0)$  and  $(i, \text{height}[i])$ .

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

