

Maximum Water Container

Description:

Given an array of integers height of length n, where each element represents the height of a vertical line positioned at index i, find two lines that form a container with the x-axis and hold the maximum possible amount of water.

Return the maximum water volume the container can store.

Note: The container must remain upright and cannot be slanted.

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:

$n == \text{height.length}$

$2 \leq n \leq 10^5$

$0 \leq \text{height}[i] \leq 10^4$