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 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.

Example

$$max\_area = (5-1) \times 4 = 16$$

$$height = [\underset{0}{2}, \underset{1}{6}, \underset{2}{5}, \underset{3}{4}, \underset{4}{2}, \underset{5}{4}, \underset{6}{1}]$$