# no need of temporary variables for max or min values

height = [1,8,6,2,5,4,8,3,7]

res = area =0

for h in range(1, len(height)):

for i in range(h, len(height)):

area = min(height[h], height[i]) \* (i - h)

res = max(area, res) ## best way to handle max values from previous values

print(res)

Shortcut: left and right pointer to solve problem

from collections import Counter

h = [1,8,6,2,5,4,8,3,7]

res = area =0

l = 0

r = len(h) -1

while l < r:

res = min(h[l], h[r]) \* (r-l)

area = max(res, area)

if h[l] < h[r]:

l +=1

else:

r -=1

print(area)