## Analysis for Non-Recursive Algorithm

- 1) Input size is =>n
- 2) Basic operation

i)comparison

1-candle > max\_height

2-candle == max\_height

ii) Assignment

1-max\_height = candle

iii)increment

1-Count++

3) Time complexity

$$\sum_{i=0}^{n} 1 = n - 0 + 1 = n + 1 \approx \theta(n)$$

Bec .there is one loop