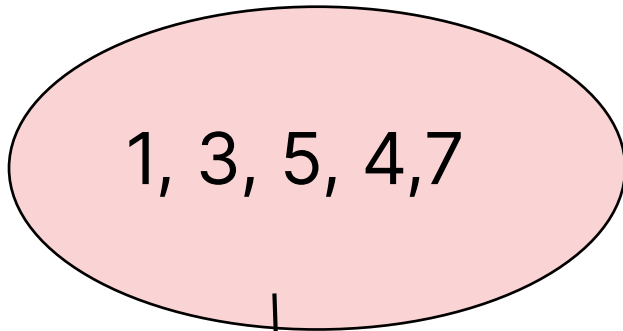


box with  
numbers(array)



**for initial:** current length = 1;  
max length = 1;

b/se: if box is empty: max = 0  
if 2 numbers(min): max = 1

let's take one by one

① < ③ ?  $1 < 3$  ✓ → curr length = 2

③ < ⑤ ?  $3 < 5$  ✓ → curr length = 3

⑤ < ④ ?  $5 < 4$  ✗ → curr length = 1  
max = max(current) =  $1 < 3 = 3$

④ < ⑦ ?  $4 < 7$  ✓ → curr length = 2  
max = max(current) =  $2 < 3 = 3$

**output: max = 3**