1.16-(Sorting) Saturday, September 2025 4:59 PM  A strong ing the elements of a data Structure  on as conding descending.
# [ 513,1,2,4) => [1,2,2,4] =>
# Bubble Sout
53.412
3 In one pars of Bubble Sout, one element comes to the Greet position.
To sort the entire array, we need to do

In afrest pass, greatest element comes to the

3 In spirst pass, greatest element comes in . coxplet partion 2nd pass 3 gra greatest. 8y 13 15 7 41 + 13 7 F 15 T.C of Duttle Sour > O (AT)] 3 Best case occurs when away is already souled to (1) -> Worst cose seems when derroy is reverse

# Stability of a southing elepo

[5 1 3 2 3] = 1 Dolls

A stable sorting also maintains the rolline order of the

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rolitive order of the elements.