

# Insertion sort

Simeon Monov

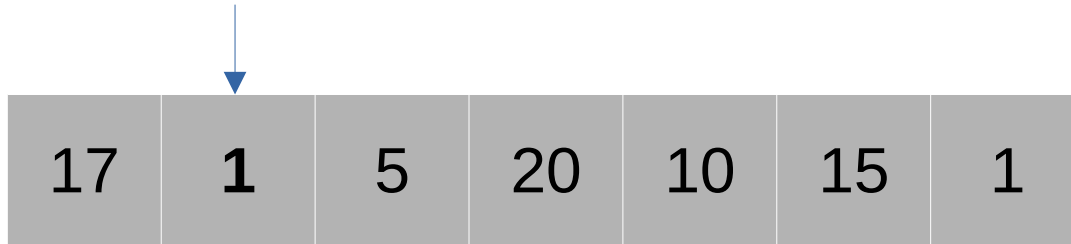
# Insertion sort

17	1	5	20	10	15	1
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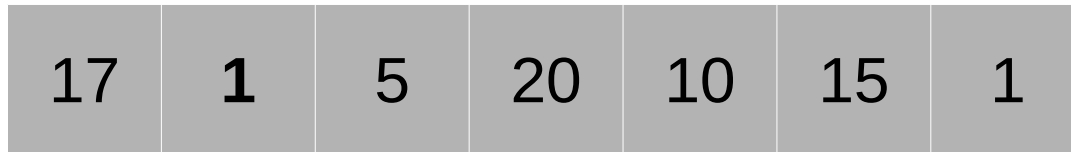
# Insertion sort

1)

Start with second



Search to the left until smaller or equal found or reached beginning



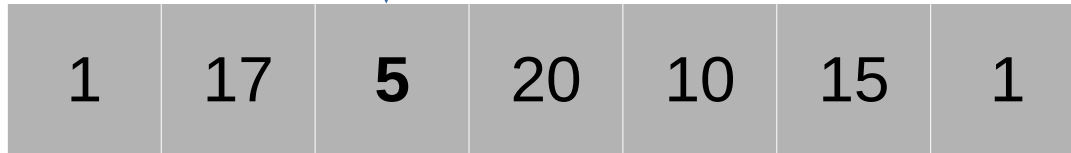
Insert



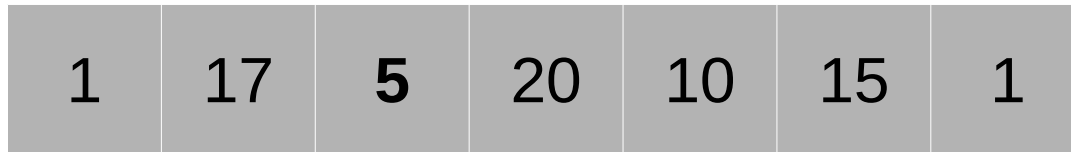
# Insertion sort

2)

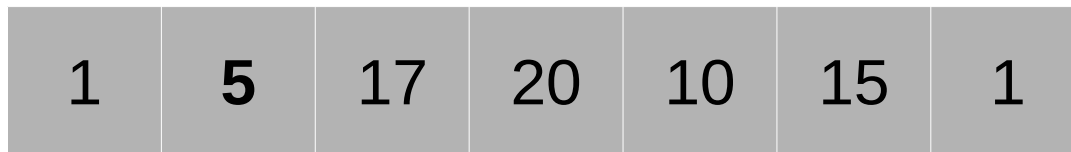
Go to third



Search to the left until smaller or equal found



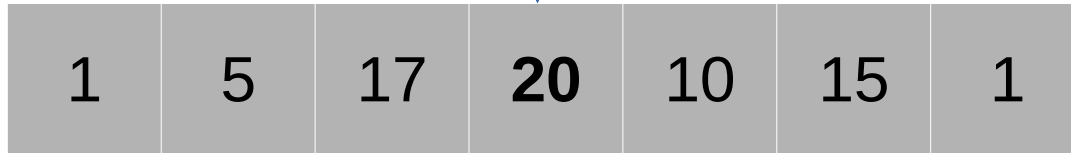
Insert



# Insertion sort

3)

Go to fourth



Search to the left until smaller or equal found



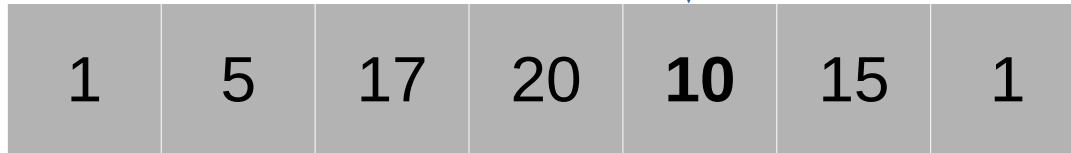
No insert needed



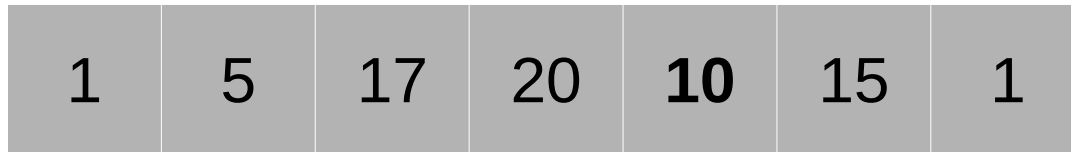
# Insertion sort

4)

Go to fifth



Search to the left until smaller or equal found



Insert



# Insertion sort

5)

Go to sixth



Search to the left until smaller or equal found



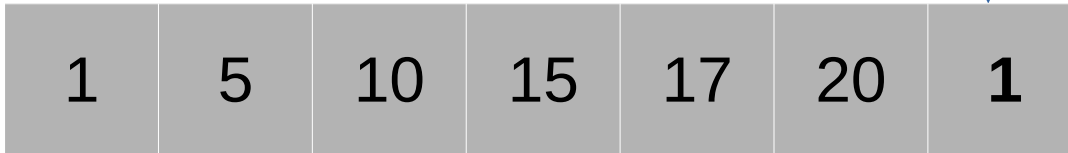
Insert



# Insertion sort

6)

Go to seventh



Search to the left until smaller or equal found



Insert

