

Algorithms

8 3 4 1 6 2 7 5 \rightarrow \square \rightarrow 1 2 3 4 5 6 7 8



8 3 4 1 6 2 7 5
u u u u u u u u

See each and replace it
number order.

3 4 1 6 2 7 5 8

3 4 1 6 2 5 7 8

3 4 1 5 2 6 7 8

3 4 1 2 5 6 7 8

3 2 1 4 5 6 7 8

1 2 3 4 5 6 7 8

8 3 4 1 6 2 7 5

cut in half/2 and
merge it together.

3 8 4 1 2 6 7 5

V

V

1 3 4 8 2 5 6 7

V

1 2 3 4 5 6 7 8

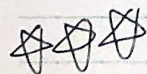
8 3 4 1 6 2 7 5

than
this..

1000 ...

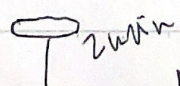
times

faster !!



it depends on situation to select which one you choose.

cost of server



cost of time to build nice algorithms