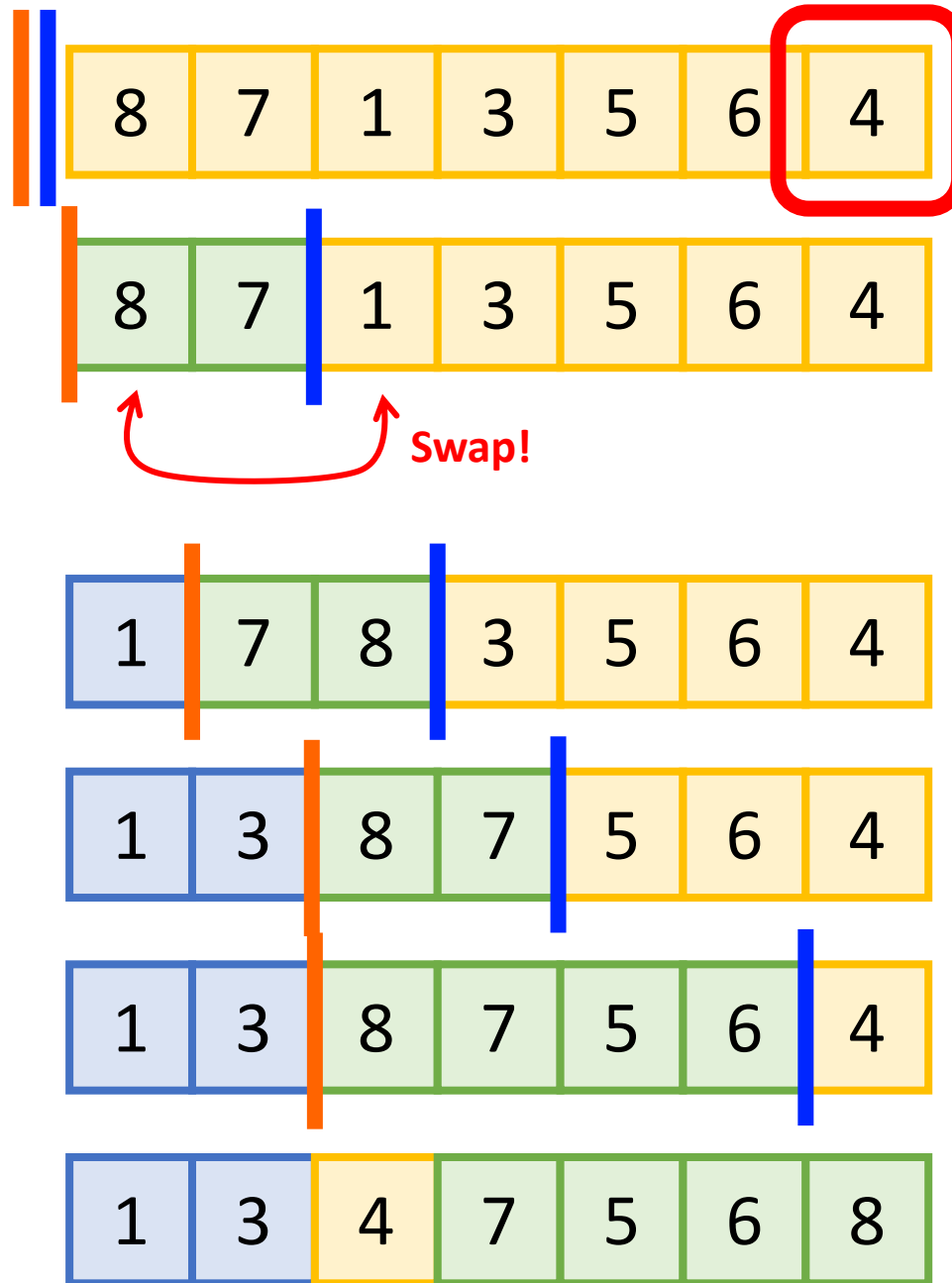




A better way to do Partition




Pivot

Choose it randomly, then swap it with the last one, so it's at the end.

Initialize  and 

Step  forward.

When  sees something smaller than the pivot, **swap** the things ahead of the bars and increment both bars.

Repeat till the end, then put the pivot in the right place.

See CLRS for pseudocode.