

1st Call

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



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

On each slide:

Top row shows

Current pivot (last item in subarray) in Yellow

Rest of Subarray is in Red

Bottom item shows array after partition

All pivots are Gray

2nd Call

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



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

On each slide:

Top row shows

Current pivot (last item in subarray) in Yellow

Rest of Subarray is in Red

Bottom item shows array after partition

All pivots are Gray

3rd Call

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



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

On each slide:

Top row shows

Current pivot (last item in subarray) in Yellow

Rest of Subarray is in Red

Bottom item shows array after partition

All pivots are Gray

4th Call

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



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

On each slide:

Top row shows

Current pivot (last item in subarray) in Yellow

Rest of Subarray is in Red

Bottom item shows array after partition

All pivots are Gray

5th Call

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



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

On each slide:

Top row shows

Current pivot (last item in subarray) in Yellow

Rest of Subarray is in Red

Bottom item shows array after partition

All pivots are Gray

6th Call

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



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

On each slide:

Top row shows

Current pivot (last item in subarray) in Yellow

Rest of Subarray is in Red

Bottom item shows array after partition

All pivots are Gray

7th Call

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



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

On each slide:

Top row shows

Current pivot (last item in subarray) in Yellow

Rest of Subarray is in Red

Bottom item shows array after partition

All pivots are Gray

8th Call

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



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

On each slide:

Top row shows

Current pivot (last item in subarray) in Yellow

Rest of Subarray is in Red

Bottom item shows array after partition

All pivots are Gray

Complete Example

