

2 9 5 4 8 1 6 7

split

2 9 5 4

8 1 6 7

split

2 9

5 4

8 1

6 7

split

2 9

5 4

8 1

6 7

merge

2 9

4 5

1 8

6 7

merge

2 4 5 9

1 6 7 8

merge

1 2 4 5 6 7 8 9

divide

conquer