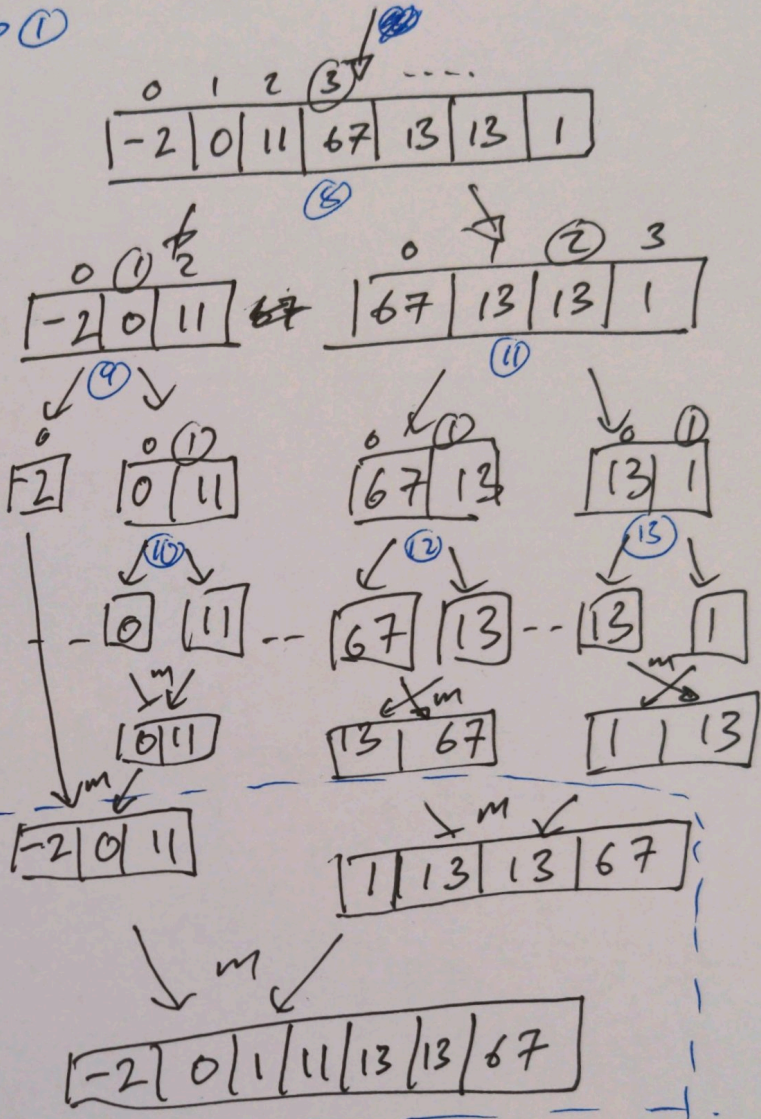
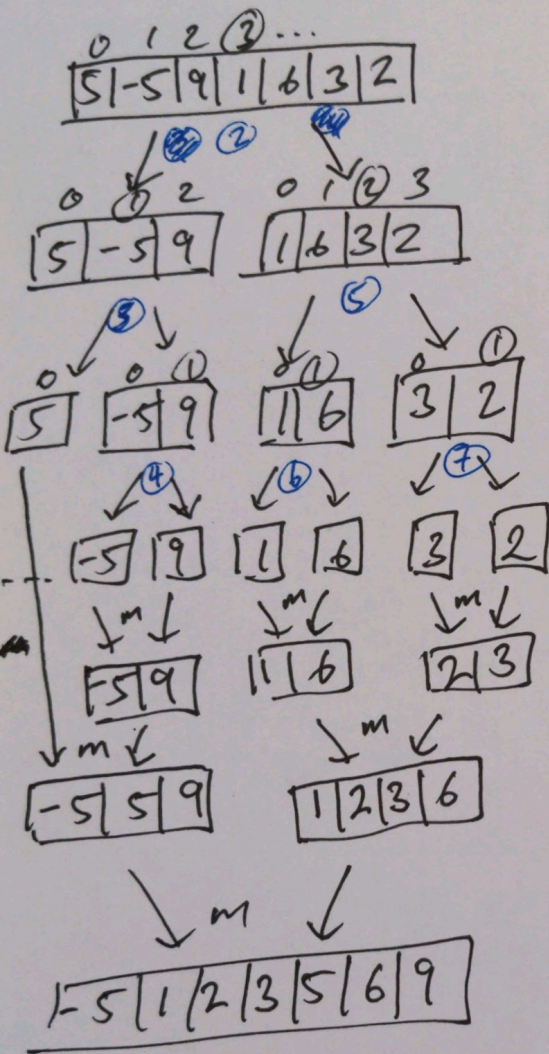


Initial

0	1	2	3	4	5	6	7	...							
5	-5	9	1	6	3	2	-2	0	11	67	13	13	1		

midpt

Step 1



divide
split

merge
sort

mergesort
example

Sorted

-5	-2	0	1	1	2	3	5	6	9	11	13	13	67
----	----	---	---	---	---	---	---	---	---	----	----	----	----

Left

① $i=0$ $j=0$

-2	0	11
----	---	----

1	13	13	67
---	----	----	----

\rightarrow $i+1$

Right

③ $i=2$ $j=0$

-2	0	11
----	---	----

1	13	13	67
---	----	----	----

\rightarrow $j+1$

⑤ $j=1$ 2 3

1	13	13	67
---	----	----	----

\rightarrow -2 0 1 11 $13 $13 $67$$$

② $i=1$ $j=0$

-2	0	11
----	---	----

1	13	13	67
---	----	----	----

\rightarrow $i+1$

④ $i=2$ $j=1$

-2	0	11
----	---	----

1	13	13	67
---	----	----	----

\rightarrow $-2 $0 $1 $11$$$$

$i+1 \Rightarrow i=3 == \text{length}(L)$
done with Left

Finish running on Right! Note:
B/c right already sorted, all larger!