

6

1 6 2 5 3 4

1 → 6 → 2 → 5 → 3 → 4

0

2

4

1 → 2 → 3

append

6 → 5 → 4

4 → 5 → 6

5

1 5 2 4 3

0 1 2 3 4
1 → 5 → 2 → 4 → 3

✓ L1 → 1 → 2 → 3 ✓

→ L2 → 5 → 4 ✓

two list

✓ L2 → 4 → 5 ✓

see 2nd

$\begin{array}{cccc} 0 & 1 & 2 & 3 \\ 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow \text{null} \end{array}$

$\checkmark \underline{L1} \rightarrow 1 \rightarrow 3 \rightarrow \text{t1}$
 $L2 \rightarrow 2 \rightarrow 4$
 $\text{new } L2$

$\checkmark L2 \rightarrow 4 \rightarrow 2$

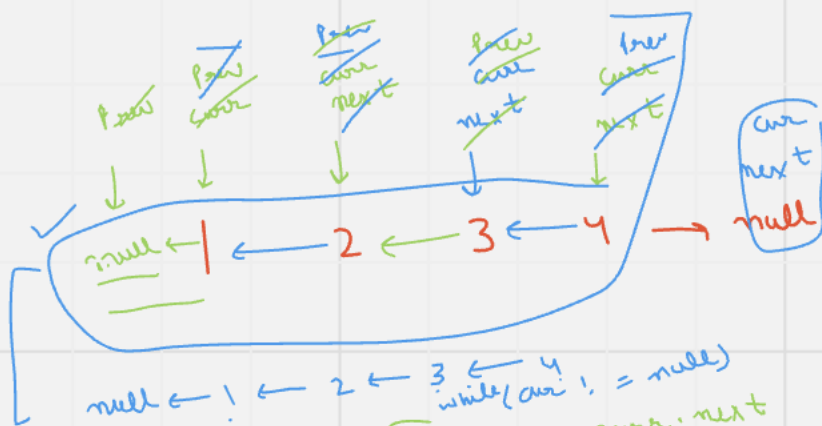
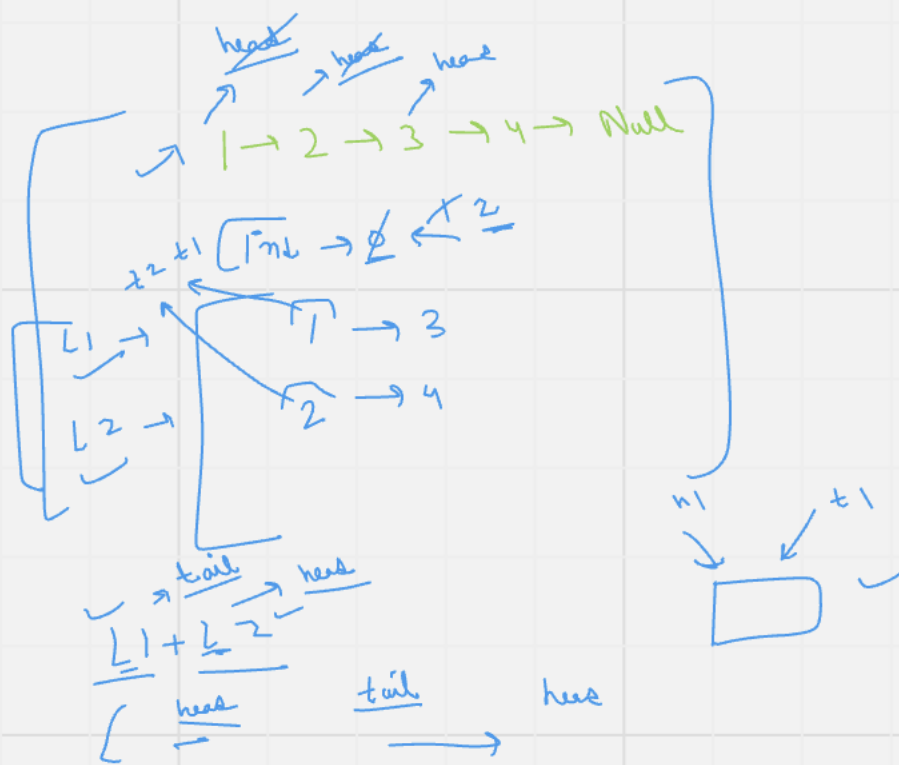
$L1 + L2 \rightarrow 1 \rightarrow 3 \rightarrow 4 \rightarrow 2 \rightarrow \text{Null}$

$\begin{array}{c} \underline{t1} \quad \underline{t2} \\ \uparrow \quad \uparrow \\ 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \end{array}$

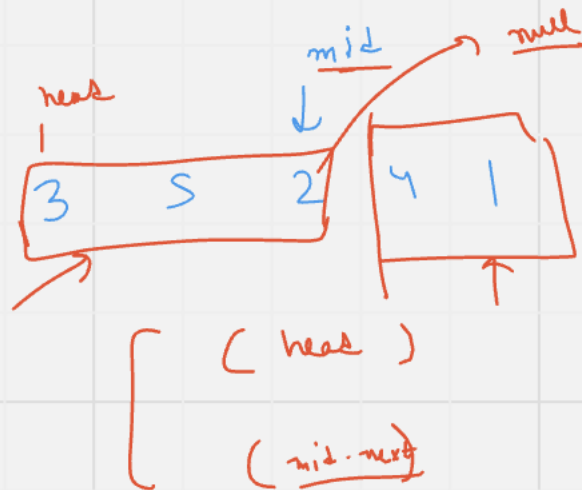
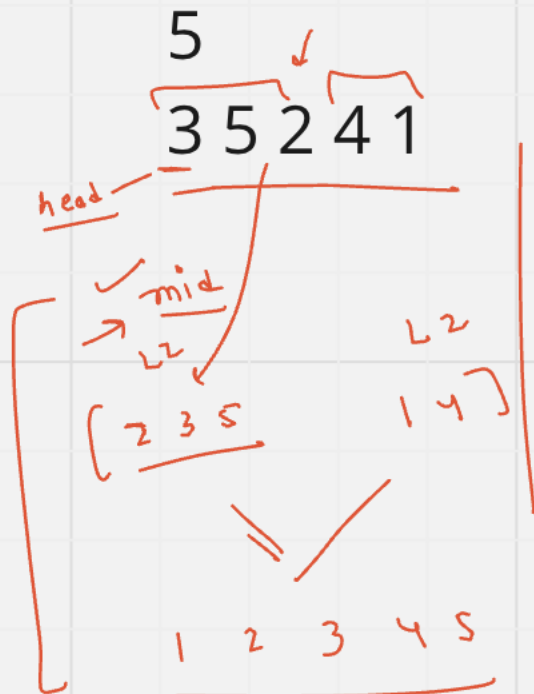
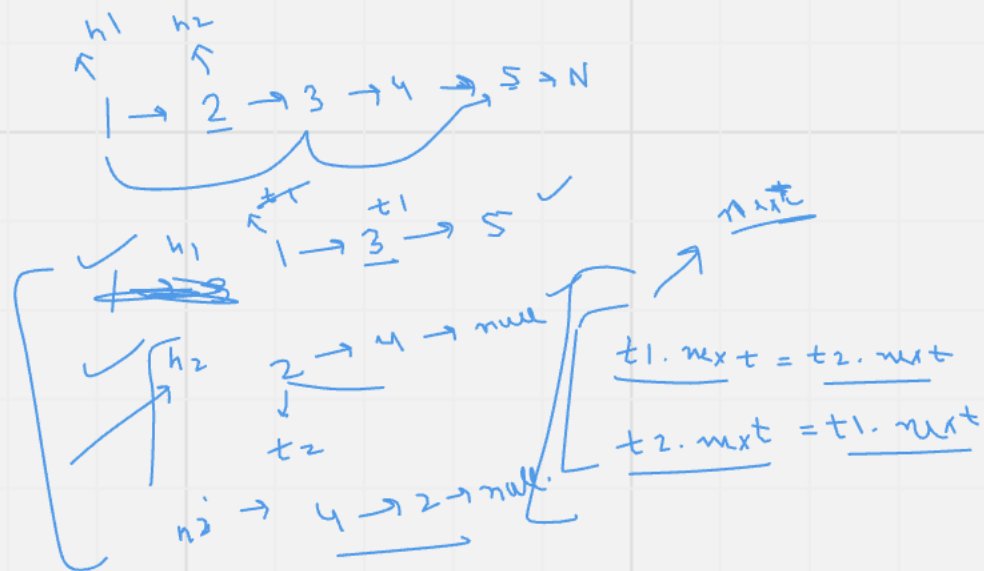
$\left[\begin{array}{l} L1 \rightarrow 1 \rightarrow 3 \rightarrow 5 \\ L2 \rightarrow 2 \rightarrow 4 \end{array} \right] \checkmark$

$t1 \rightarrow t1.\text{next}.\text{next}$

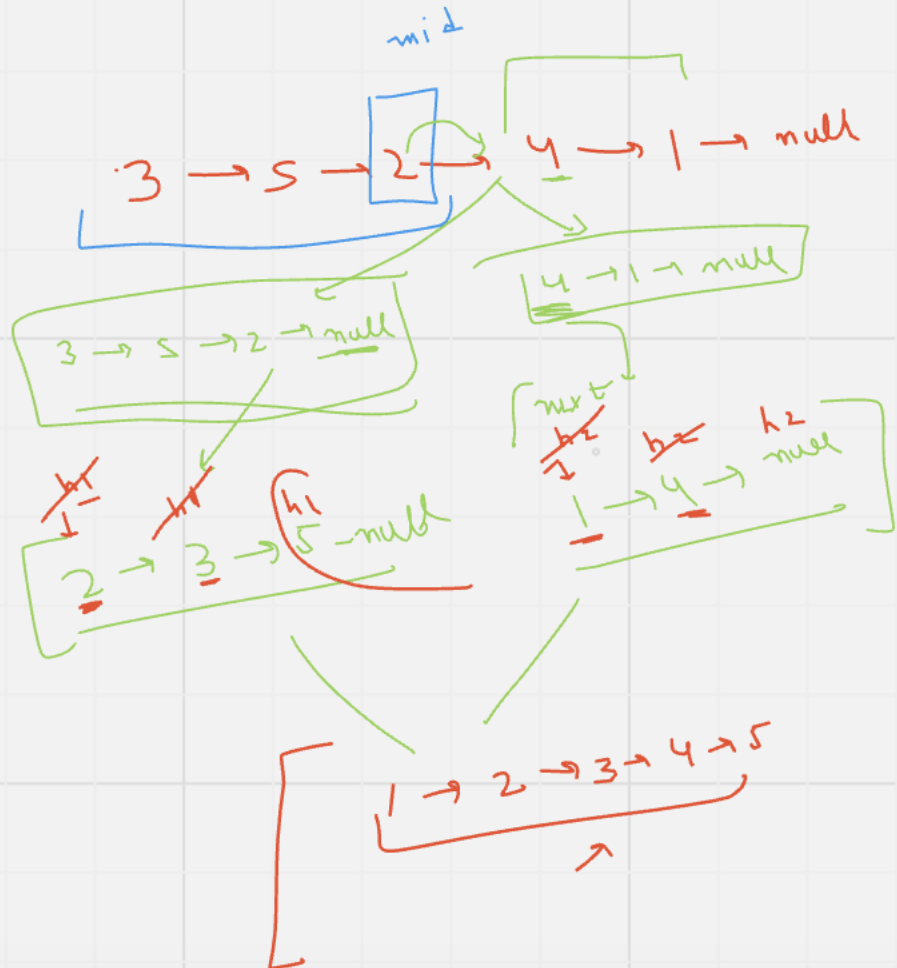
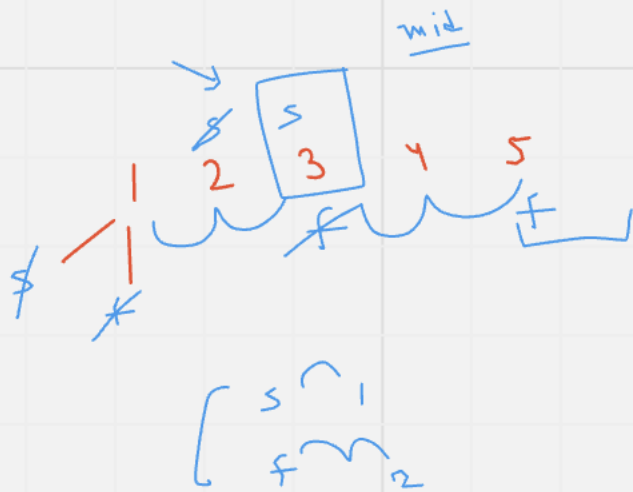
$t2$

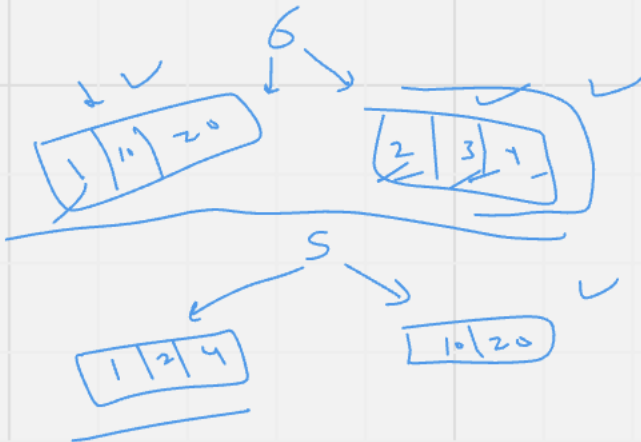
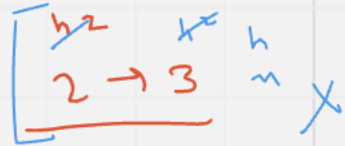
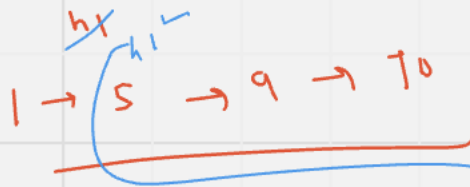
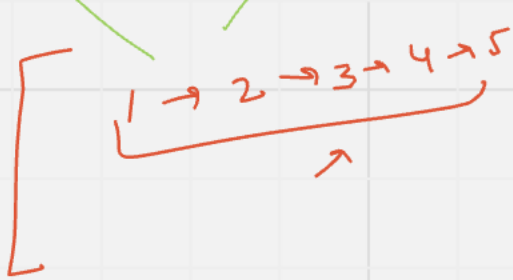


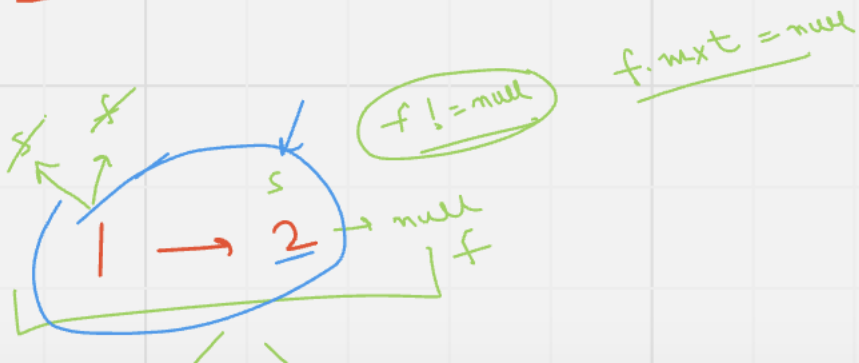
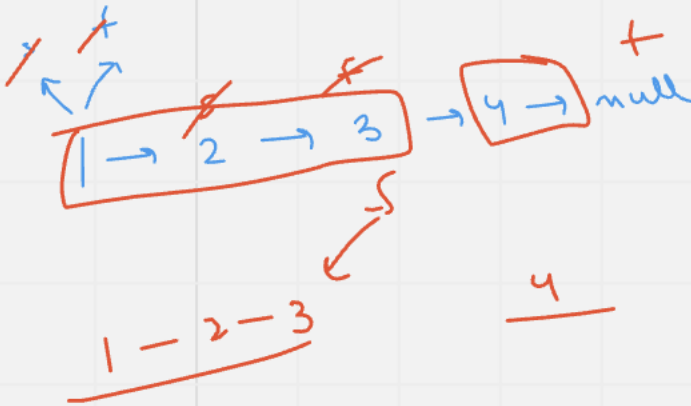
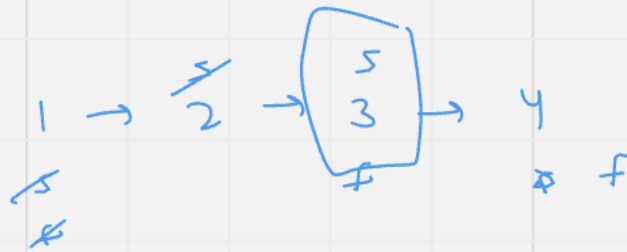
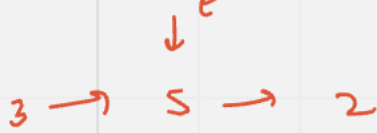
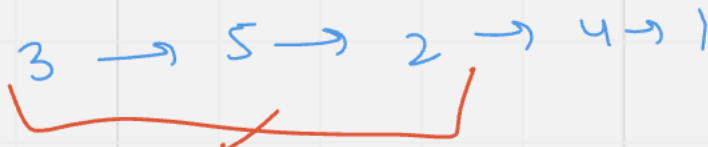
$\text{null} \leftarrow 1 \leftarrow 2 \leftarrow 3 \leftarrow 4$
 $\text{while}(\text{curr} != \text{null})$
 $\text{next} = \text{curr} \rightarrow \text{next}$
 $\text{curr} \rightarrow \text{next} = \text{prev}$
 $\text{prev} \rightarrow \text{curr}$
 $\text{curr} \rightarrow \text{next}$



mid







4 2
 1 2 3 4
 1 2 2 4

