

1	2	3	4	1	
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- (1) Insertion $O(1)$, $O(N)$
 ↑
 end mid
- (2) Deletion
- (3) Searching → $O(N)$
 → $O(N)$

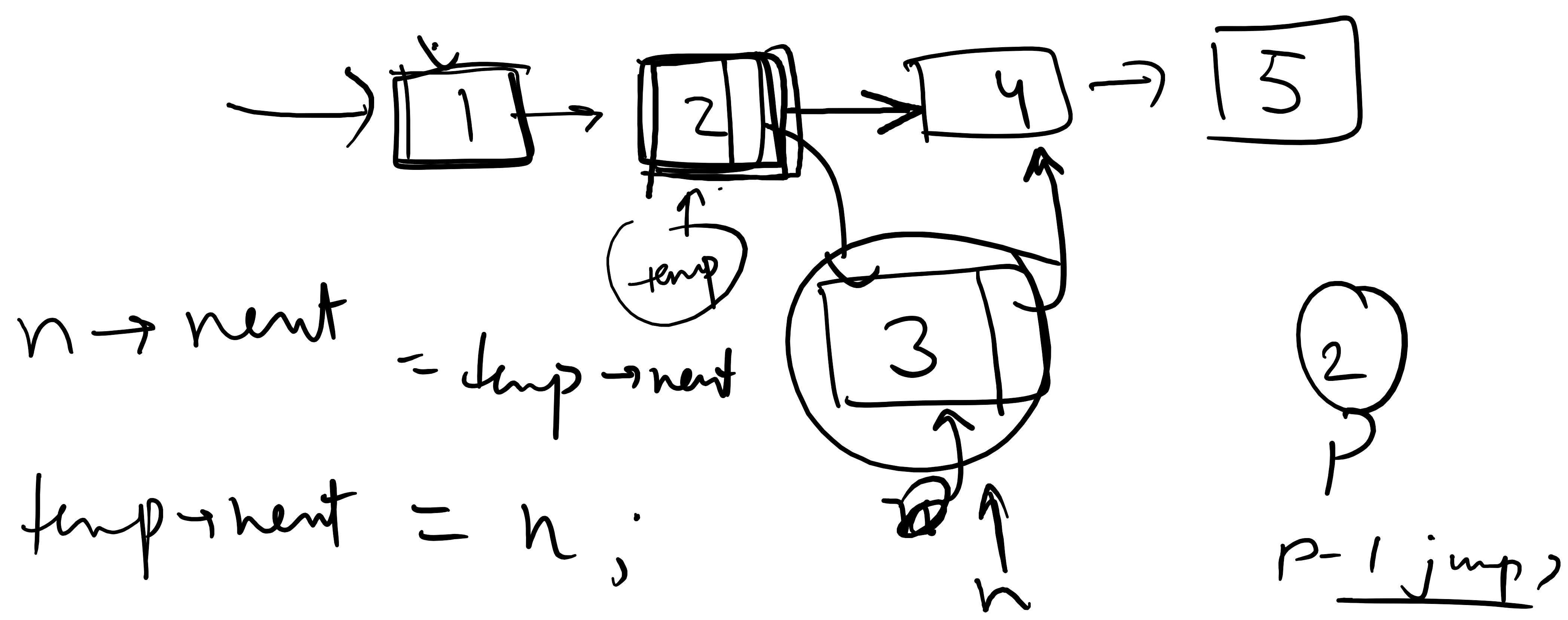
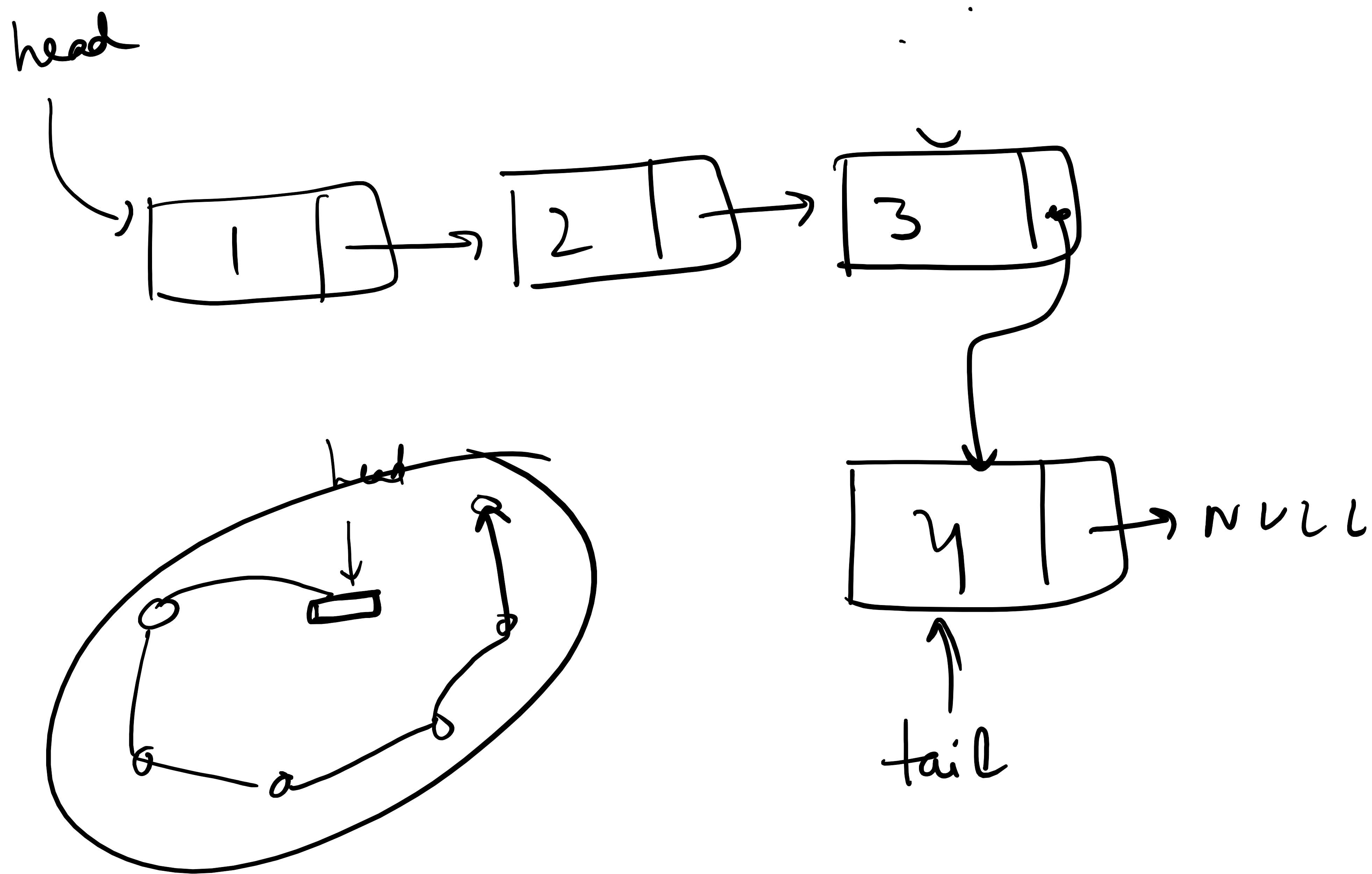
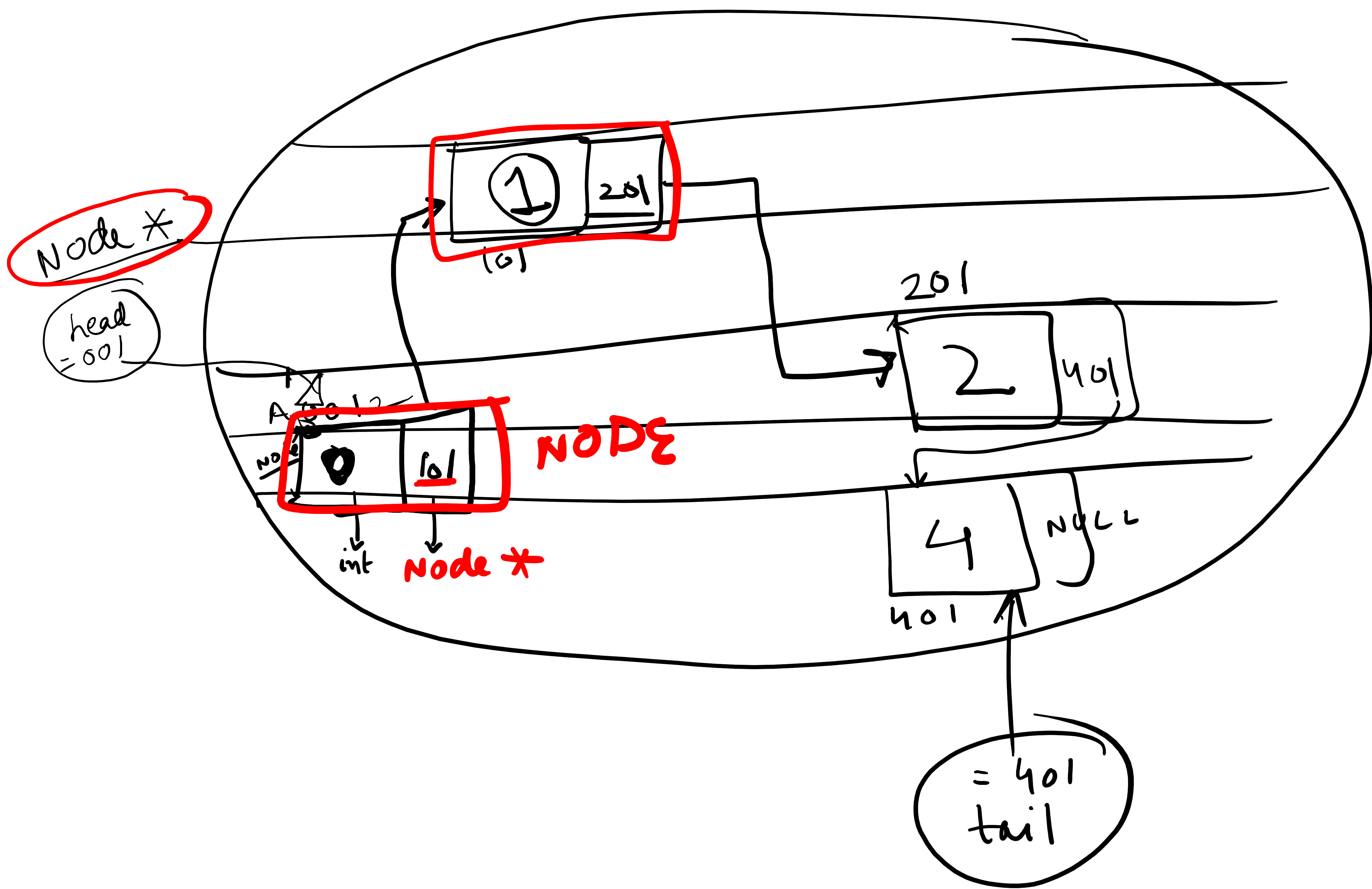
90 insertion , 10 search

$$90 \quad O(1) + 10 \quad O(N)$$

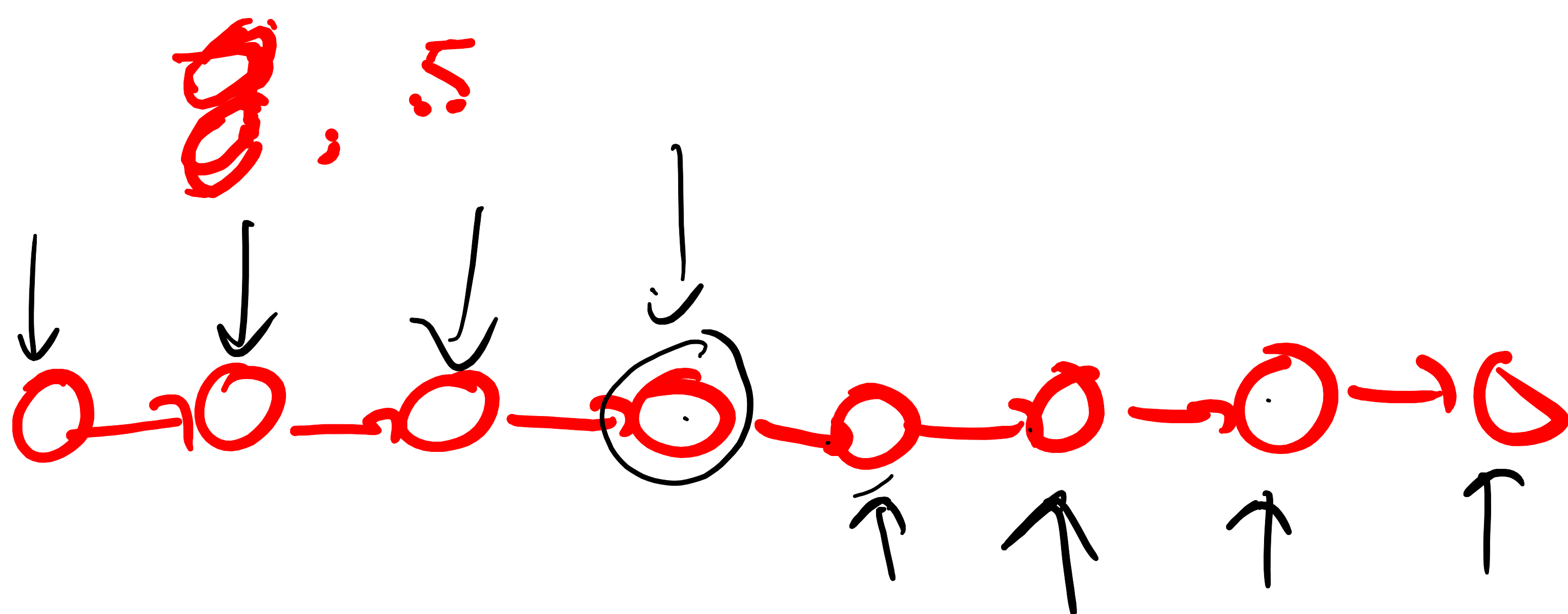
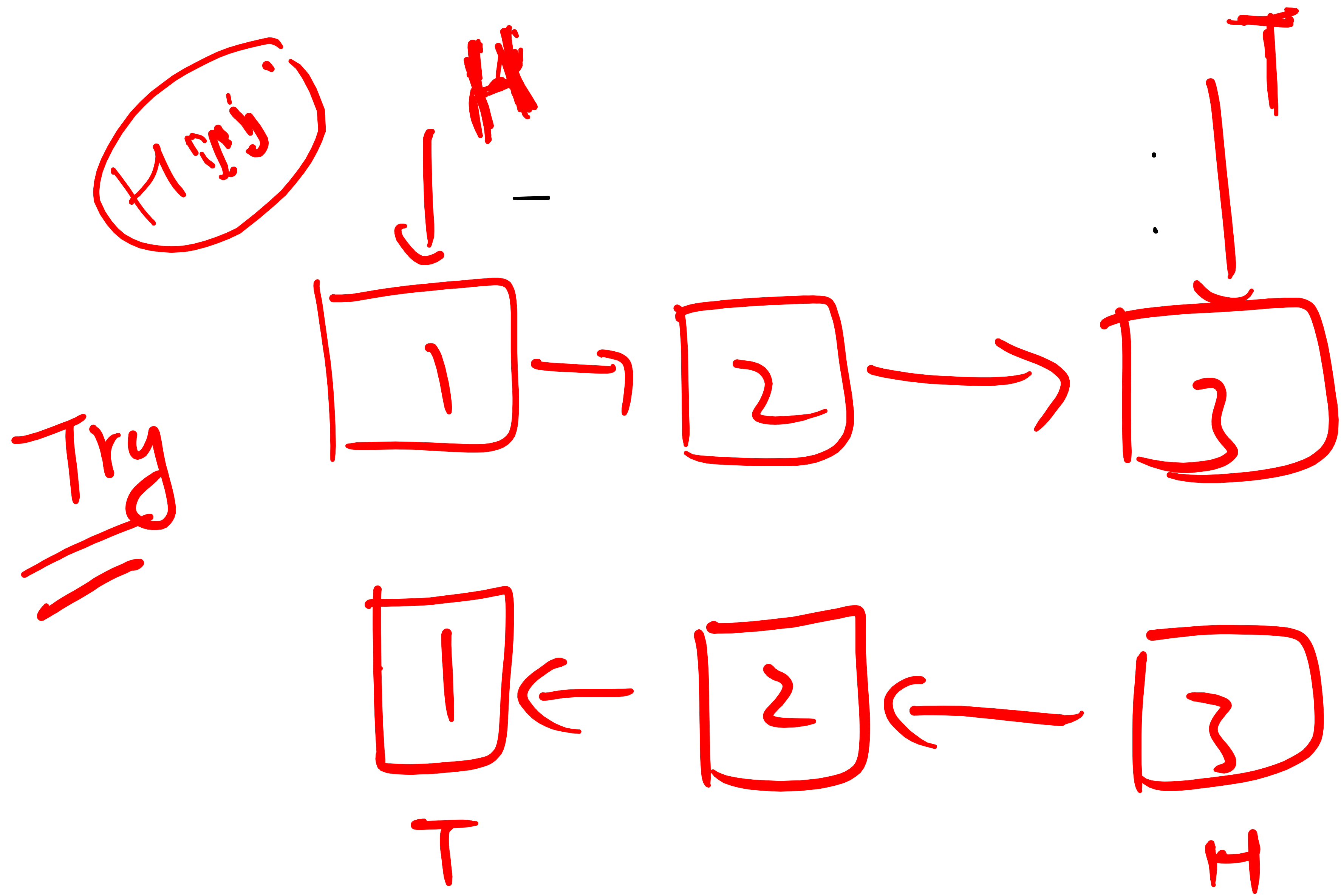
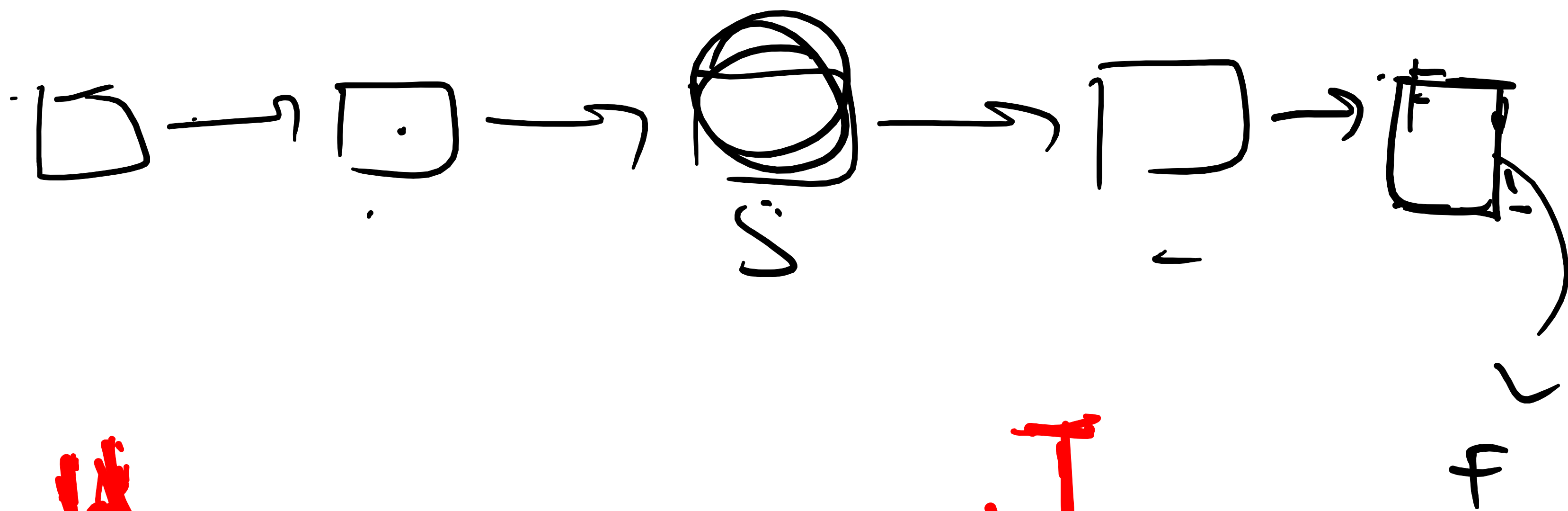
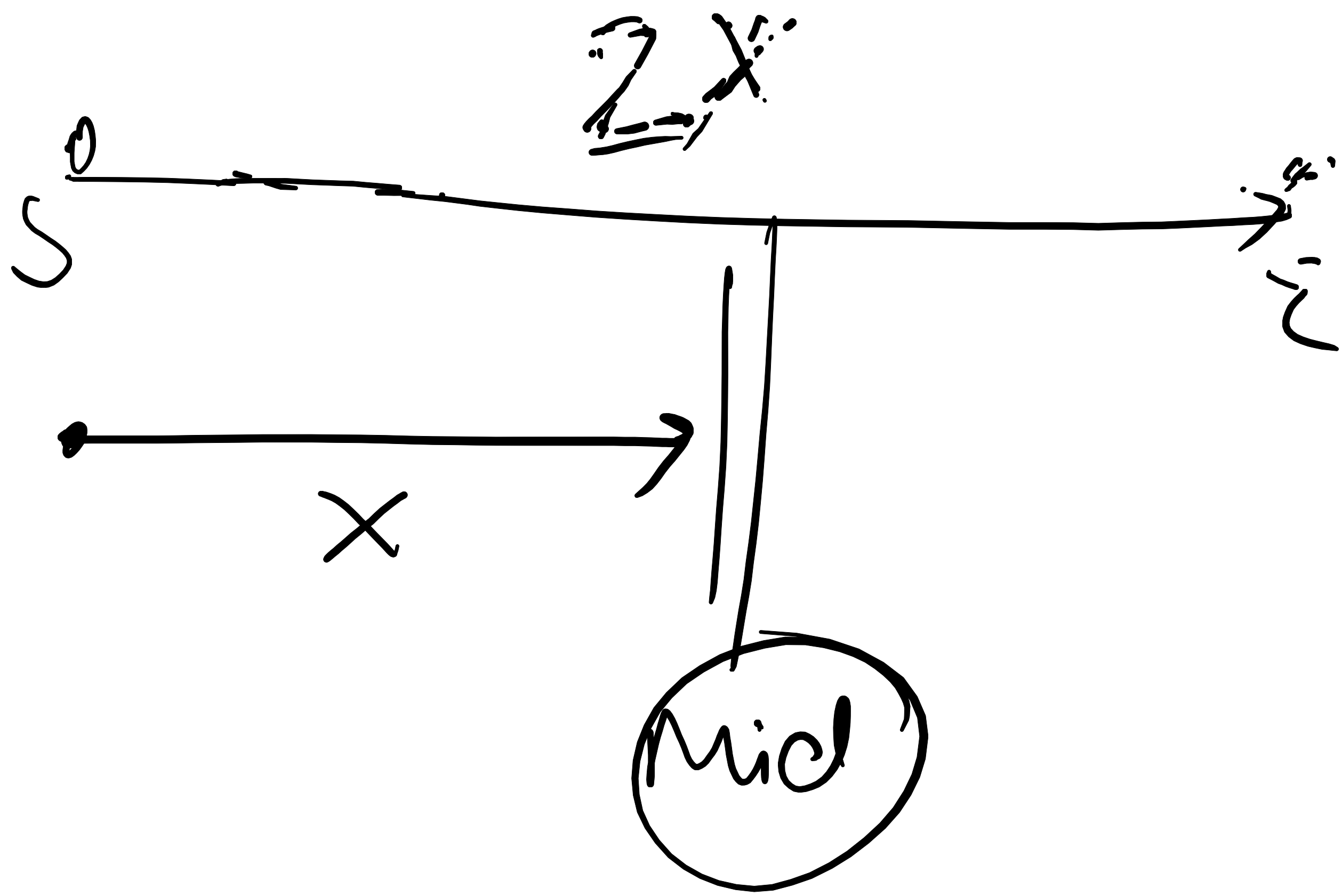
↳ Insert, 90 search

2

Linked List



~~temp~~ temp → next = n → next;
delete n;



a $\rightarrow 6 \rightarrow 7$ recursion

b

$1 \rightarrow \textcircled{2} \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6$
no

$1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow 7$

