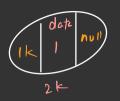
Dus Delete middle node



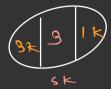


- 1 Calculate size
- 2) go to [size/2] node
- 3 Delele next node









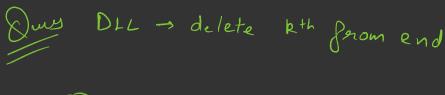
```
Aull 4 Sk
```

```
head
```

```
public static Node Reverse(Node head) {
    while(head != null) {
        // swap prev and next
        Node nextNode = head.next;
        Node prevNode = head.prev;
        head.next = prevNode;
        head.prev = nextNode;
        if(nextNode == null) return head;
        else head = nextNode;
    }
    return null;
}
```

```
nn = noll
pn = Sk
```

10:20





Si 2 = 5

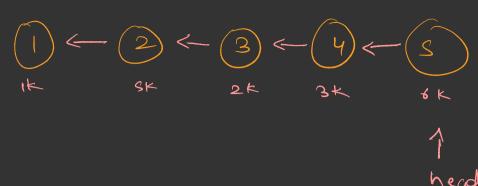
k=2

Ques 4 algorithms to reverse a singly LL

Reverse Data Iterative Reverse Data Recursive Reverse Pointer Iterative Reverse Pointer Recursive

head

Pointer



(1) Reverse Data Iterative

head Node t = head; 1/ Calculate Sing while (+1 = null) &

 $\begin{aligned} & \text{Calculate} & \text{Sing} & \text{while } (+! = \text{hull}) \\ & & \text{t=t.next;} \\ & \text{Q=0, n=Sing-1;} & \text{Sing++;} \end{aligned}$

while (e < 91) &

Node ln = get (e); // 0 (n)

TC = 0 (n2)

Node 9n = get (91);