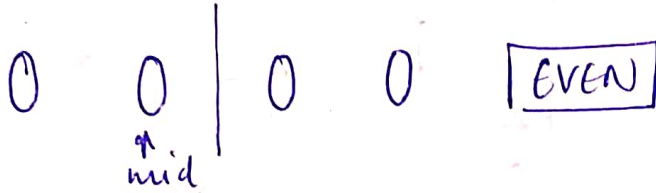
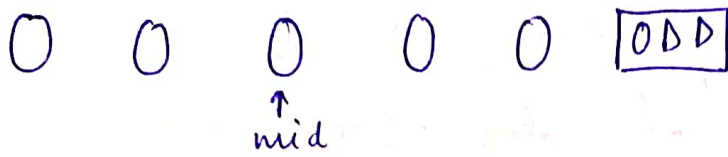


Middle of a Linked List



iteration se krna hai!

Single traversal me krna hai!

Size() property use nahi krna!

= Two pointers approach use krengy! $\leftarrow \frac{\text{SLOW}}{\text{FAST}}$

= Jab SLOW 1 step chalta hai, tab FAST 2 step chalta hai!

= Jab FAST end me hoga tab SLOW mid pe hoga!

```
public int mid() {
```

```
    Node s = head;
```

```
    Node f = head;
```

```
    while (f.next != null &&  
           f.nextnext != null)
```

```
    {  
        s = s.next;
```

```
        f = f.nextnext;
```

```
    }
```

```
    return s.data;
```

```
}
```

