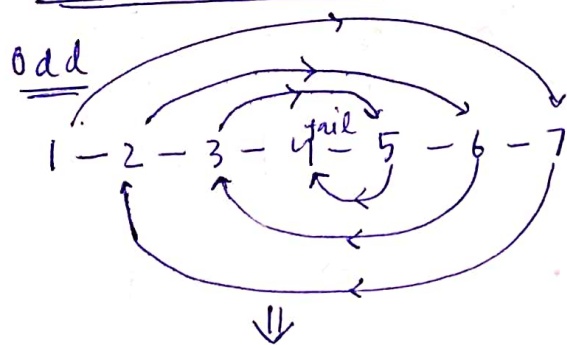
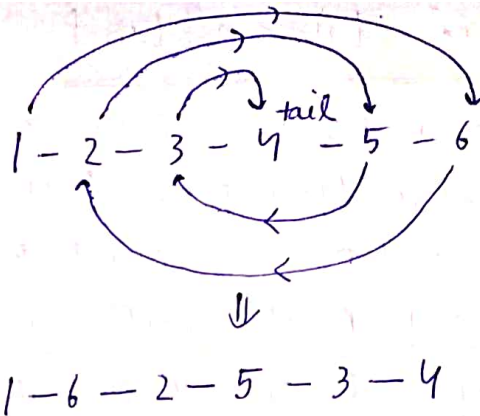


FOLD A LINKEDLIST



Even



1-7-2-6-3-5-4

```
private void foldHelper(Node right, int floor) {
    if (right == null) {
        return;
    }
```

```
    foldHelper(right.next, floor + 1); ①
```

```
    if (floor > size / 2) {
        Node temp = left.next;
        left.next = right;
        right.next = temp;
        left = temp;
    } ②
```

```
    } else if (floor == size / 2) {
        tail = right;
        tail.next = null;
    } ③
```

```
    }
    Node left;
    public void fold() {
        left = head;
        foldHelper(head, 0);
    }
}
```

50K - 4
40K - 3
30K - 2
20K - 1
10K - 0

head: 10K
tail: ~~50K~~ 30K
Size = 5
left: ~~10K~~ 20K 30K

