

Delete Middle Element from a stack using recursion

1) Input

↳



1 2 3 4 5

$$\frac{5}{2} = 2$$

$$\frac{6+1}{2} = 3$$

1 2 3 4

$$\frac{4}{2} = 2$$

$$\frac{4+1}{2} = 2$$

```
if (index == 0) {  
    pop();  
    return;  
}
```

Base

popMiddle(s, index - 1)

hypothesis

Nothing in induction
since element will be
removed already