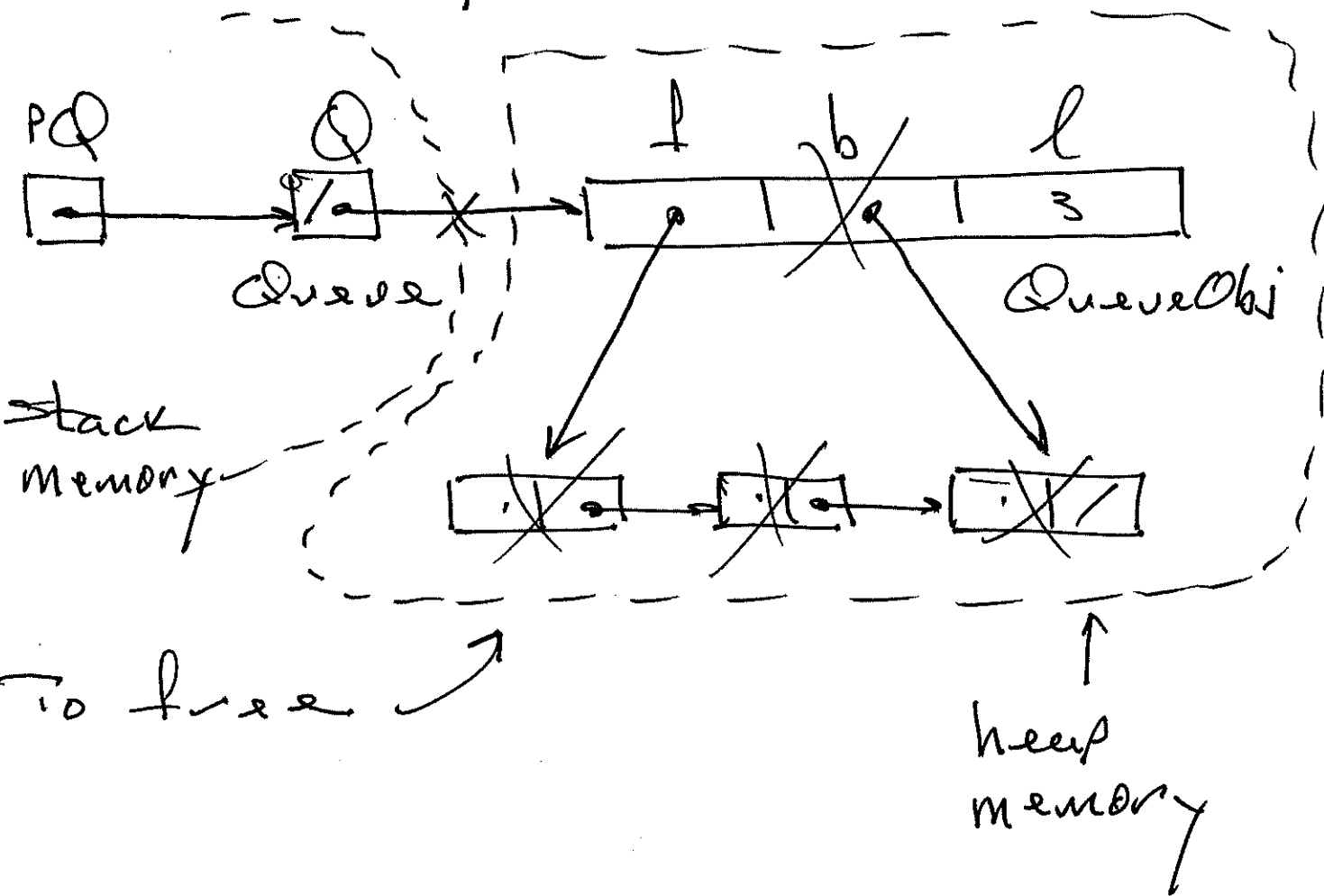


# Queue ADT

non-empty state



# Pointers in C!

Ex.

```
int x;
```

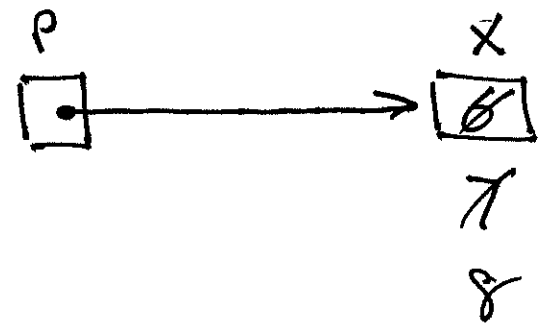
```
int* p;
```

```
x = 6;
```

```
p = &x;
```

```
x = 7;
```

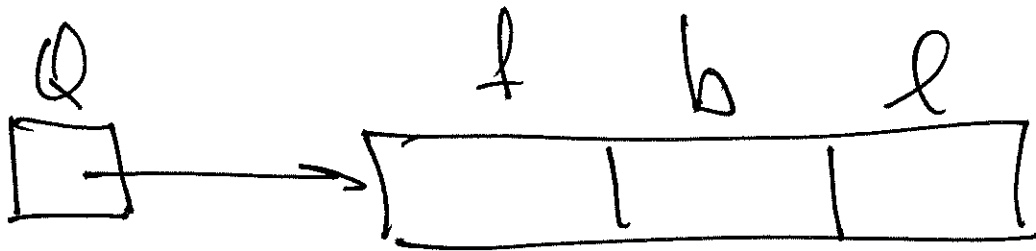
```
*p = 8;
```



could be `int *p;`  
or `int * p`

address of

value at



$Q \rightarrow \text{front}$  same as  $(*Q). \text{front}$

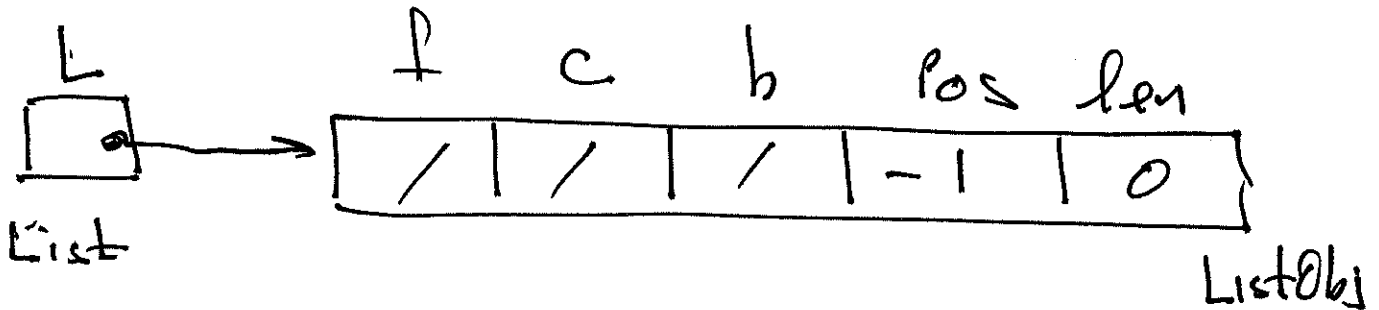
note:  $*Q. \text{front}$  doesn't work

# Prac 1: list ADT

empty state

client: ()

inside!

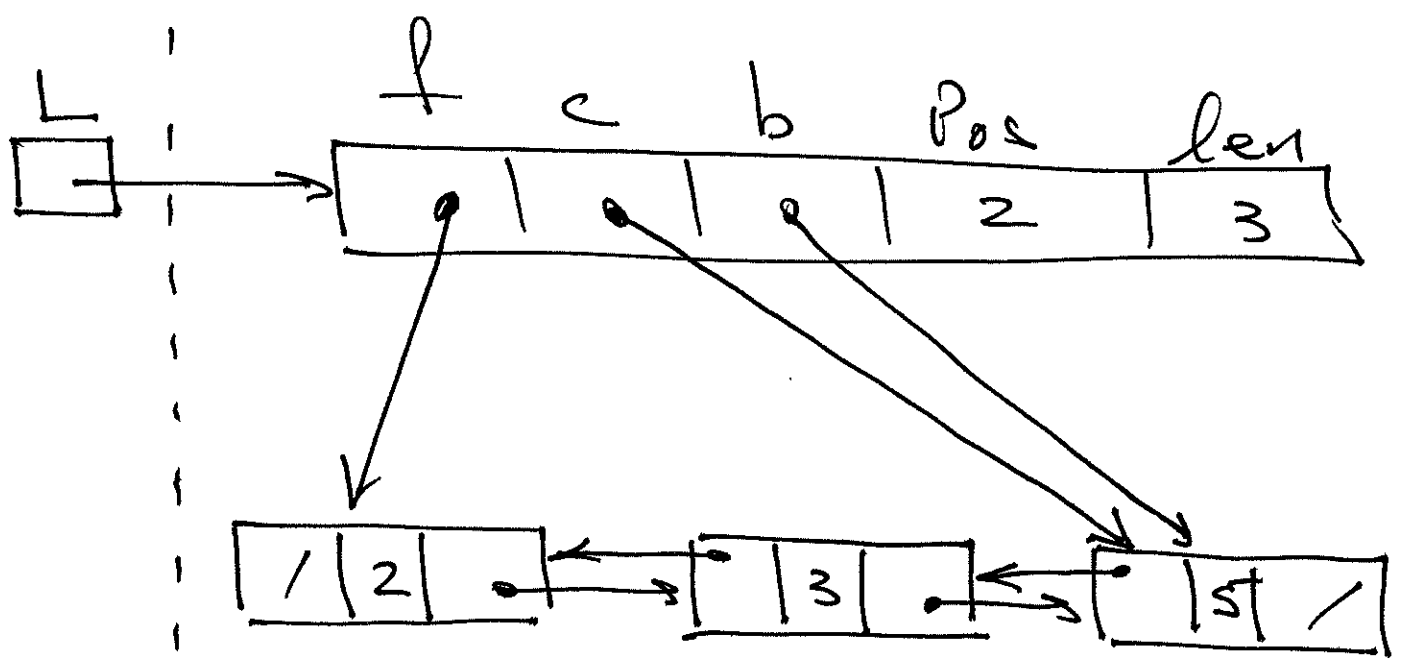


non-empty state

0 1 2

client: (2, 3, 5)

inside:



stack | heap

non-empty  
undefined cursor

client: (2, 3, 5)

