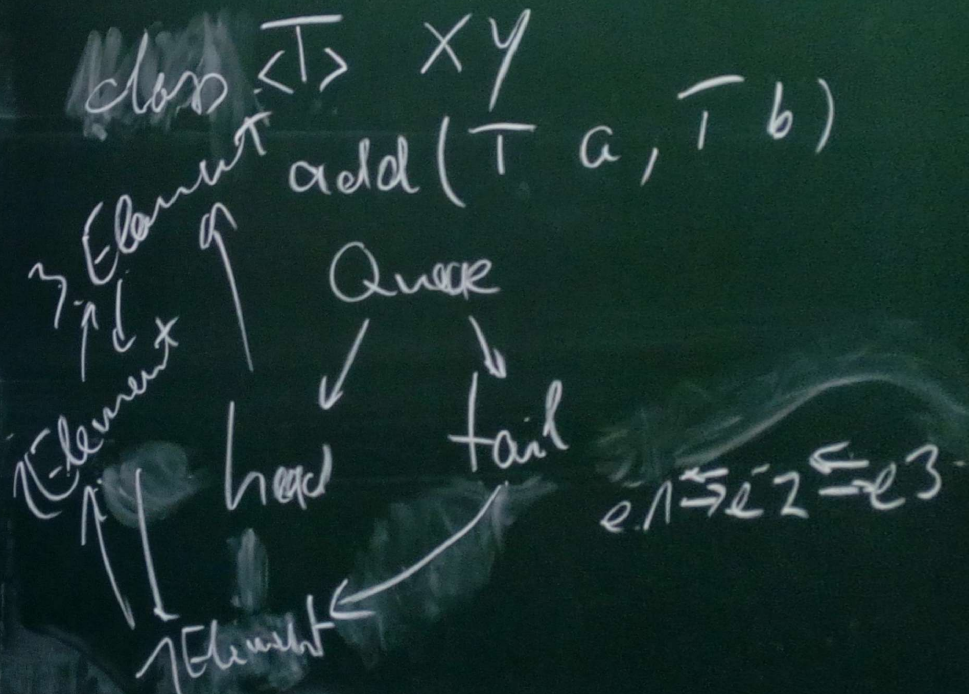


```
addString (String a, String b)
addInt (int a, int b)
```



```
for (int i=0; i<n; i++) {
    for (int j=0; j<=i; j++) {
```

$$\sum_{i=1}^n i = \frac{n(n+1)}{2} = \frac{n^2+n}{2}$$

$$= O(n^2) - O(n)$$

```
for (int i=0; i<n; i+=2)
{
```

```
}
```


addInt(int a, int b)

$$e_1 \rightarrow e_2 \leftarrow e_3$$
$$\sum_{i=1}^n i = \frac{n(n+1)}{2} = \frac{n^2+n}{2} = O(n^2) + O(n)$$

for (int i = 0; i < n; i++)
{
 log₂(n)