

Microquiz 2

1.

```
def times_n(L, a):
    result = True
    for i in range(len(L)):
        if L[i] >= a:
            result = False
            L[i] = L[i]*a
    return result
```

test cases

```
L = [0, 0, 0, 0, 0]
n = 2
```

```
L = [1]
n = 5
```

```
L = [4, 2, 1]
n = 100
```

```
L = [7,2]
n = 0
```

2.

```
def true_in_L(f, L):
    Lnew = []
    for e in L:
        if f(e) or e < 0:
            Lnew.append(e)
    return Lnew
```

test cases

```
L = []
def f(a):
    return a > 0
```

```
L = [1]
def f(a):
    return a == 1
```

```
L = [-1, -2, -7, -8, -9]
def f(a):
    return True
```

```
L = [0, 0, 10]
def f(a):
    return a == 0
```

```
L = [2, 6, 7, 1, 2]
def f(a):
    return a == 1 or a == 2
```