Q1 Q2

```
make && .//q1 testcases/q1 1.txt
gcc -o checkq1 C_code/checkerQ1.c
gcc -o q1 C_code/BankerQ1.c
gcc -o checkq2 C_code/checkerQ2.c
gcc -o q2 C_code/BankerQ2.c
Customer 0 requesting
0 1 0
Customer 1 requesting
2 0 0
Customer 2 requesting
3 0 2
Customer 3 requesting
2 1 1
Customer 4 requesting
0 0 2
Customer 1 releasing
1 0 0
Current state:
Available:
Maximum:
9 0 2
2 2 2
4 3 3
Allocation:
0 1 0
1 0 0
3 0 2
2 1 1
0 0 2
Need:
6 0 0
0 1 1
4 3 1
```

```
Customer 0 requesting
0 1 0
Customer 1 requesting
2 0 0
Customer 2 requesting
3 0 2
Customer 3 requesting
2 1 1
Customer 4 requesting
0 0 2
Customer 1 requesting
1 0 2
Current state:
Available:
2 3 0
Maximum:
7 5 3
3 2 2
9 0 2
2 2 2
4 3 3
Allocation:
0 1 0
3 0 2
3 0 2
2 1 1
0 0 2
Need:
0 2 0
6 0 0
0 1 1
4 3 1
Customer 0 requesting
0 2 0
Current state:
Available:
2 3 0
Maximum:
7 5 3
3 2 2
9 0 2
2 2 2
4 3 3
Allocation:
0 1 0
3 0 2
3 0 2
0 0 2
Need:
7 4 3
0 2 0
6 0 0
0 1 1
4 3 1
```

## Q3

The algorithm goes through 1 loop for every customer (n loops). Within each loop, it goes through n indexes for finish[], and within that, m loops to compare the values.

Overall complexity is hence O(n\*n\*m).