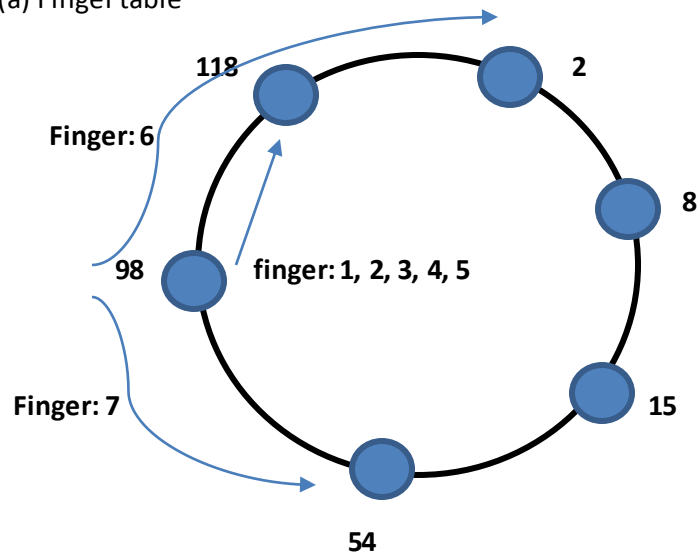Name : Shubham Agarwal

netid : sagarwl4

CS 425/ECE 428 Distributed Systems (Spring 2015)
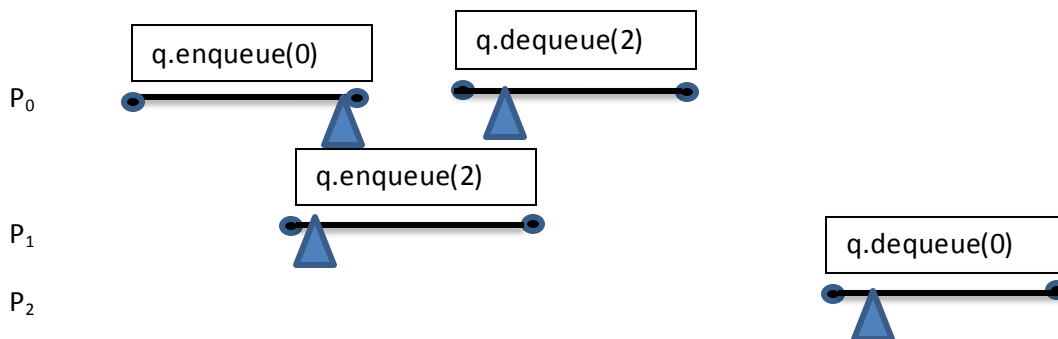
Homework 6 - Answer Sheet

2. (a) Finger table
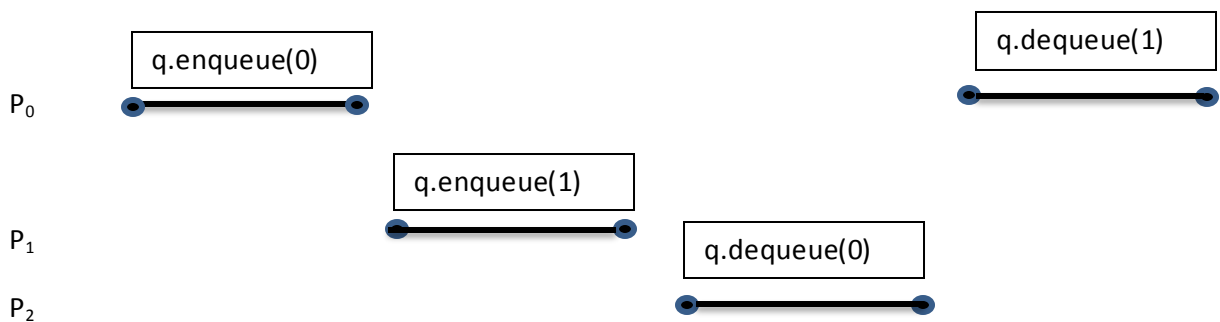

118 ... **2**

Finger: 6

8

98 **finger: 1, 2, 3, 4, 5**

Finger: 7 **15**

54

4. (a) NO. This is because we have to dequeue 1 after enqueue 0 which is not possible.

4. (b) YES. The diagram is below.

q.enqueue(0)   q.dequeue(2)

P_0

q.enqueue(2)

P_1 q.dequeue(0)

P_2

5. (a) YES.

q.enqueue(0)   q.dequeue(1)

P_0

q.enqueue(1)

P_1 q.dequeue(0)

P_2

5. (b) YES.

P₀   q.enqueue(0)   q.dequeue(2)

P₁   q.enqueue(2)

P₂   q.dequeue(0)