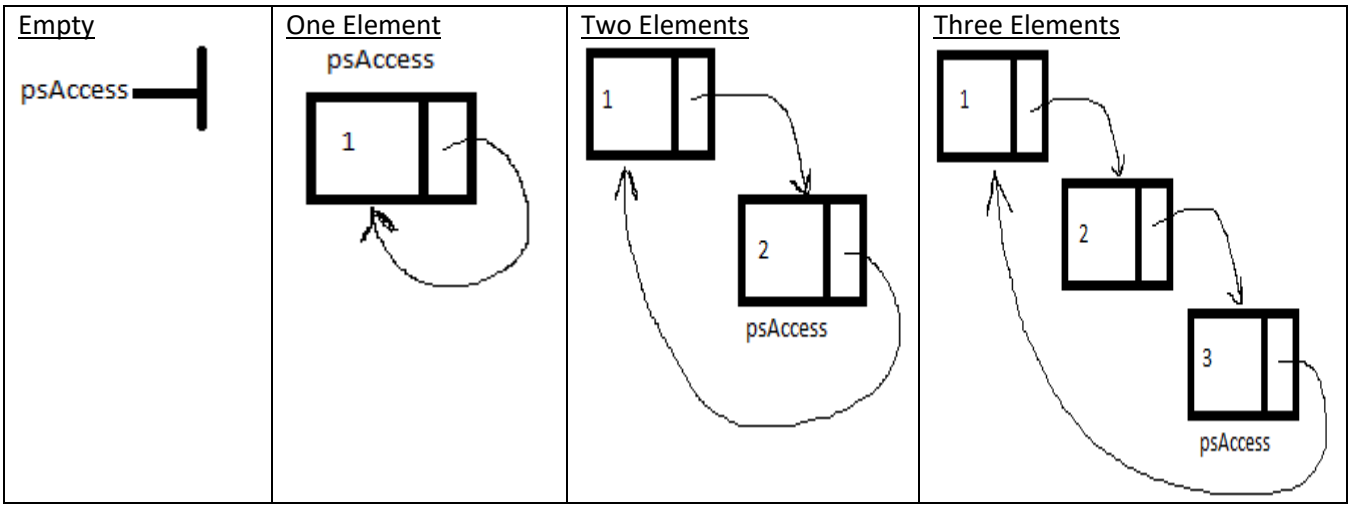
CS300 Dynamic Circular Queue Name _____
10.24.16

You have one hour to do the following:

1) Import the project QInClass from the class repository.

You are implementing a dynamic circular queue using the specified data structure in queue.h. You may not modify queue.h in any way. Remember, a circular queue is created below given the following code:

```
qEnqueue (&sTheQueue, 1);
qEnqueue (&sTheQueue, 2);
qEnqueue (&sTheQueue, 3);
```



2) TODO#1: Implement qCreate and then uncomment the specified driver code and test.

3) TODO#2: Implement qIsFull and qEnqueue and then uncomment the specified driver code and test.

4)TODO#3: Implement qIsEmpty and qDequeue and then uncomment the specified driver code and test.

5) TODO#4: Uncomment the code and run Valgrind.

NOTE: You may not have any loops in qCreate, qEnqueue, and qDequeue.

To submit:

1) Change ryand in the last two lines of the Makefile to your PUNetId in 3 places.

2) From the command line at the level of the Makefile, type **make scp**

3) Type in your password and the tarball should be in your home directory on zeus

4) Extract. Test. Submit a tarball called **PUNetIdCQ.tar.gz**