Abhishek Bharadwaj
95560909

1. I have created another state called PR_RECV_MQ and given it number 8 in process.h
   So all the new methods implemented use this state.
2. I have created a queue of size NMSG = 10 (NMSG is a macro) and also added first and last for the same in process.h
3. In create.c I have initialized first and last of the queue to -1
4. I have added all the functions related to the circular buffer in queue.c
5. All the extern declarations for functions are done in prototypes.h
6. The functions sendMsg, sendMsgs, sendnMsg are written in send.c
7. The functions receiveMsg and receiveMsgs are written in receive.c
8. I have put sleep statements in main.c, so that entire statement is properly printed.
9. As I don't have control over the print statements some statements are printed in somewhat wrong order also. But the internal implementation is taking care of all the cases.
10. If the queue contains k messages, then only 10-k messages can be sent. Rest will be dropped.
11. While sending multiple messages in sendMsgs and sendnMsg, I am doing resched_cntl(DEFER_START) and resched_cntl(DEFER_STOP) to maintain order.