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gkundap@gkundap-MOBL1:~/wsl-pgms/DC-assignment$
gkundap@gkundap-MOBL1:~/wsl-pgms/DC-assignment$ ls
README.txt  suzuki_kasami.c  suzuki_kasami.py
gkundap@gkundap-MOBL1:~/wsl-pgms/DC-assignment$ mpicc suzuki_kasami.c -lpthread
gkundap@gkundap-MOBL1:~/wsl-pgms/DC-assignment$ mpirun -n 4 ./a.out
18:21:45: 0 has a token initially
18:21:45: Initial RN(0) = [18:21:45: Recieved init message
message.msgType = 0, message.threadId = 0, message.value = 1
1, 0, -860271600, 32666]
18:21:45: Recieved init message
message.msgType = 0, message.threadId = 0, message.value = 1
18:21:45: Initial RN(1) = [1, 0, -860271600, 32666]
18:21:45: Initial RN(2) = [1, 0, -860271600, 32666]
18:21:45: Initial RN(3) = [1, 0, -860271600, 32666]
18:21:45: 0 received token and enters CS
18:21:45: Recieved init message
message.msgType = 0, message.threadId = 0, message.value = 1
18:21:47: 2 sends request(2, -1922581487) to 0
18:21:47: 3 sends request(3, 32548) to 0
18:21:47: 0 finishes CS
18:21:47: 0 exits CS
18:21:47: 0 received token and enters CS
18:21:47: 1 sends request(1, 1) to 0
^C18:21:49: 0 finishes CS
18:21:49: 0 exits CS
18:21:49: 0 received token and enters CS
18:21:49: 2 sends request(2, -1922581487) to 1
18:21:49: 1 sends request(1, 1) to 2
18:21:49: 3 sends request(3, 32548) to 1
gkundap@gkundap-MOBL1:~/wsl-pgms/DC-assignment$ vi suzuki_kasami.py
gkundap@gkundap-MOBL1:~/wsl-pgms/DC-assignment$ mpirun -n 4 python3 suzuki_kasami.py
[INIT] 0 has a token initially.
[INIT] Initial RN(0) = [1, 0, 0, 0]
[INIT] Initial RN(1) = [1, 0, 0, 0]
[INIT] Initial RN(2) = [1, 0, 0, 0]
[INIT] Initial RN(3) = [1, 0, 0, 0]


[ENTER-CS] 0 received token and enters CS.

[REQ-TOKEN] 3 wants to request for a token to enter CS.
[REQ-TOKEN] 3 sends request(3, 3) to 0!!!
[REQ-RCVD] 0 received request(3, 1) from 3.
Updated RN(0) = [1, 0, 0, 1].
[REQ-TOKEN] 2 wants to request for a token to enter CS.
[REQ-TOKEN] 2 sends request(2, 2) to 0!!!
[REQ-RCVD] 0 received request(2, 1) from 2.
Updated RN(0) = [1, 0, 1, 1].
[REQ-TOKEN] 1 wants to request for a token to enter CS.
[REQ-TOKEN] 1 sends request(1, 1) to 0!!!
[REQ-RCVD] 0 received request(1, 1) from 1.
Updated RN(0) = [1, 1, 1, 1].
[REQ-TOKEN] 3 sends request(3, 3) to 1!!!
[REQ-RCVD] 1 received request(3, 1) from 3.
Updated RN(1) = [1, 1, 0, 1].
[REQ-TOKEN] 2 sends request(2, 2) to 1!!!
[REQ-RCVD] 1 received request(2, 1) from 2.
Updated RN(1) = [1, 1, 1, 1].
[REQ-TOKEN] 1 sends request(1, 1) to 2!!!
[REQ-RCVD] 2 received request(1, 1) from 1.
Updated RN(2) = [1, 1, 1, 0].
[REQ-TOKEN] 3 sends request(3, 3) to 2!!!
[REQ-RCVD] 2 received request(3, 1) from 3.
Updated RN(2) = [1, 1, 1, 1].
[REQ-TOKEN] 2 sends request(2, 2) to 3!!!
[REQ-RCVD] 3 received request(2, 1) from 2.
Updated RN(3) = [1, 0, 1, 1].
[REQ-TOKEN] 1 sends request(1, 1) to 3!!!
[REQ-RCVD] 3 received request(1, 1) from 1.
Updated RN(3) = [1, 1, 1, 1].
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[EXIT-CS] 0 finishes CS.

[TOKENQ-UPDATE] 0 has added 1 to the queue. Now queue of token is: deque([1]).
[TOKENQ-UPDATE] 0 has added 2 to the queue. Now queue of token is: deque([1, 2]).
[TOKENQ-UPDATE] 0 has added 3 to the queue. Now queue of token is: deque([1, 2, 3]).
[TOKENQ-UPDATE] 0 removes 1 from tokenQueue = deque([1, 2, 3]).
[REQ-TOKEN] 0 sends token(deque([2, 3]), [1, 0, 0, 0]) to 1.
[TOKEN-RCVD] 1 receives a token(deque([2, 3]), [1, 0, 0, 0]).
Updated tokenQueue = deque([2, 3]), LN = [1, 0, 0, 0]
[ENTER-CS] 1 received token and enters CS.

[REQ-TOKEN] 0 wants to request for a token to enter CS.
[REQ-TOKEN] 0 sends request(0, 0) to 1!!!
[REQ-TOKEN] 0 sends request(0, 0) to 2!!!
[REQ-RCVD] 2 received request(0, 2) from 0.
Updated RN(2) = [2, 1, 1, 1].
[EXIT-CS] 1 finishes CS.

[TOKENQ-UPDATE] 1 removes 2 from tokenQueue = deque([2, 3]).
[REQ-TOKEN] 1 sends token(deque([3]), [1, 1, 0, 0]) to 2.
[TOKEN-RCVD] 2 receives a token(deque([3]), [1, 1, 0, 0]).
Updated tokenQueue = deque([3]), LN = [1, 1, 0, 0][REQ-RCVD] 1 received request(0, 2) from 0.
Updated RN(1) = [2, 1, 1, 1].

[ENTER-CS] 2 received token and enters CS.

[REQ-TOKEN] 0 sends request(0, 0) to 3!!!
[REQ-RCVD] 3 received request(0, 2) from 0.
Updated RN(3) = [2, 1, 1, 1].
[REQ-TOKEN] 1 wants to request for a token to enter CS.
[REQ-TOKEN] 1 sends request(1, 1) to 0!!!
[REQ-RCVD] 0 received request(1, 2) from 1.
Updated RN(0) = [2, 2, 1, 1].
[REQ-TOKEN] 1 sends request(1, 1) to 2!!!
[EXIT-CS] 2 finishes CS.

[TOKENQ-UPDATE] 2 has added 0 to the queue. Now queue of token is: deque([3, 0]).
[TOKENQ-UPDATE] 2 removes 3 from tokenQueue = deque([3, 0]).
[REQ-TOKEN] 2 sends token(deque([0]), [1, 1, 1, 0]) to 3.
[TOKEN-RCVD] 3 receives a token(deque([0]), [1, 1, 1, 0]).
Updated tokenQueue = deque([0]), LN = [1, 1, 1, 0]
[REQ-RCVD] 2 received request(1, 2) from 1.
Updated RN(2) = [2, 2, 1, 1].
[ENTER-CS] 3 received token and enters CS.

[REQ-TOKEN] 1 sends request(1, 1) to 3!!!
[REQ-TOKEN] 2 wants to request for a token to enter CS.
[REQ-TOKEN] 2 sends request(2, 2) to 0!!!
[REQ-RCVD] 0 received request(2, 2) from 2.
Updated RN(0) = [2, 2, 2, 1].
[REQ-TOKEN] 2 sends request(2, 2) to 1!!!
[REQ-RCVD] 1 received request(2, 2) from 2.
Updated RN(1) = [2, 2, 2, 1].
[REQ-TOKEN] 2 sends request(2, 2) to 3!!!
[EXIT-CS] 3 finishes CS.

[TOKENQ-UPDATE] 3 removes 0 from tokenQueue = deque([0]).
[REQ-TOKEN] 3 sends token(deque([]), [1, 1, 1, 1]) to 0.
[TOKEN-RCVD] 0 receives a token(deque([]), [1, 1, 1, 1]).[REQ-RCVD] 3 received request(1, 2) from 1.

Updated RN(3) = [2, 2, 1, 1].
Updated tokenQueue = deque([]), LN = [1, 1, 1, 1][REQ-RCVD] 3 received request(2, 2) from 2.

Updated RN(3) = [2, 2, 2, 1].
[ENTER-CS] 0 received token and enters CS.
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