Output file

▼ Command : mpirun -np 8 ./temp 20 5 3

Rank 2: has the token initially

Process with rank 0 and sequence number 1 is requesting critical section

Broadcast message (0:1)

Process with rank 1 and sequence number 1 is requesting critical section

Broadcast message (1:1)

Rank 2 received critical section request from rank 0

Rank 2 received critical section request from rank 1

Rank 0 received critical section request from rank 1

Rank 1 received critical section request from rank 0

Rank 2 has exited critical section

Rank 2 is sending the token to rank 0

Rank 0 has received the token from Rank 2 and entering into critical section

Rank 0 has exited critical section

Rank 0 is sending the token to rank 1

Rank 1 has received the token from Rank 0 and entering into critical section

Rank 1 has exited critical section

Rank 1 received critical section request from rank 2

Rank 1 is sending the token to rank 2

Process with rank 2 and sequence number 1 is requesting critical section

Broadcast message (2:1)

Rank 2 has received the token from Rank 1 and entering into critical section

Rank 0 received critical section request from rank 2

One process added of 3 rank

Rank 3 received critical section request from rank 0

Rank 3 received critical section request from rank 1

Rank 3 received critical section request from rank 2

Process with rank 0 and sequence number 2 is requesting critical section

Broadcast message (0:2)

Rank 1 received critical section request from rank 0

Rank 2 has exited critical section

Rank 2 received critical section request from rank 0

Rank 2 is sending the token to rank 0

Rank 0 has received the token from Rank 2 and entering into critical section

Rank 3 received critical section request from rank 0

Rank 0 has exited critical section

Rank 0 received critical section request from rank 1

Rank 0 received critical section request from rank 2

Rank 0 received critical section request from rank 3

Process with rank 1 and sequence number 2 is requesting critical section

Broadcast message (1:2)

Rank 1 received critical section request from rank 2

Rank 1 received critical section request from rank 3

Process with rank 2 and sequence number 2 is requesting critical section

Broadcast message (2:2)

Rank 2 received critical section request from rank 1

Rank 2 received critical section request from rank 3

Process with rank 3 and sequence number 1 is requesting critical section

Broadcast message (3:1)

Rank 3 received critical section request from rank 1

Rank 3 received critical section request from rank 2

Rank 0 has exited critical section

Rank 0 is sending the token to rank 1

Process with rank 0 and sequence number 3 is requesting critical section

Broadcast message (0:3)

Rank 1 has received the token from Rank 0 and entering into critical section

Rank 1 received critical section request from rank 0

Rank 2 received critical section request from rank 0

Rank 3 received critical section request from rank 0

Rank 1 has exited critical section

Rank 1 is sending the token to rank 2

Rank 2 has received the token from Rank 1 and entering into critical section

Rank 2 has exited critical section

Rank 2 is sending the token to rank 3

Process with rank 2 and sequence number 3 is requesting critical section

Broadcast message (2:3)

Rank 0 received critical section request from rank 2

Rank 1 received critical section request from rank 2

Rank 3 has received the token from Rank 2 and entering into critical section

Rank 3 received critical section request from rank 2

Rank 3 has exited critical section

Rank 3 is sending the token to rank 0

Rank 0 has received the token from Rank 3 and entering into critical section

Rank 0 has exited critical section

Rank 0 is sending the token to rank 2

Rank 0 received critical section request from rank 1

Process with rank 1 and sequence number 3 is requesting critical section

Broadcast message (1:3)

Rank 2 received critical section request from rank 1

Rank 2 has received the token from Rank 0 and entering into critical section

Rank 3 received critical section request from rank 1

Rank 2 has exited critical section

Rank 2 is sending the token to rank 3

Rank 2 received critical section request from rank 3

Process with rank 3 and sequence number 2 is requesting critical section

Broadcast message (3:2)

Rank 3 has received the token from Rank 2 and entering into critical section

Rank 0 received critical section request from rank 3

Rank 1 received critical section request from rank 3

One process added of 4 rank

Rank 4 received critical section request from rank 0

Rank 4 received critical section request from rank 1

Rank 4 received critical section request from rank 2

Rank 4 received critical section request from rank 0

Rank 4 received critical section request from rank 1

Rank 4 received critical section request from rank 2

Rank 4 received critical section request from rank 3

Rank 4 received critical section request from rank 0

Rank 4 received critical section request from rank 2

Rank 4 received critical section request from rank 1

Rank 4 received critical section request from rank 3

Rank 3 has exited critical section

Rank 3 is sending the token to rank 0

Process with rank 3 and sequence number 3 is requesting critical section

Broadcast message (3:3)

Rank 0 received critical section request from rank 3

Rank 1 received critical section request from rank 3

Rank 2 received critical section request from rank 3

Rank 4 received critical section request from rank 3

Rank:0 Simulation Finished!

Rank:1 Simulation Finished!

Rank:2 Simulation Finished!

Rank:3 Simulation Finished!

Rank:4 Simulation Finished!