```
Ready to simulate the execution of the MPI program now! There are 1 communicator groups involved

The param role name is MPI_COMM_WORLD

The actual roles for this param role are:

The role 0 is MPI_COMM_WORLD[0..N-1]

The role 1 is MPI_COMM_WORLD[0..0]

The role 2 is MPI_COMM_WORLD[1..N-1]

The role 3 is MPI_COMM_WORLD[1..1]

The role 4 is MPI_COMM_WORLD[5..5]

The role 5 is MPI_COMM_WORLD[6..0]

The role 6 is MPI_COMM_WORLD[2..4]

The role 7 is MPI_COMM_WORLD[3..6]

The role 8 is MPI_COMM_WORLD[11..N-1]

The role 9 is MPI_COMM_WORLD[0..2]

The role 10 is MPI_COMM_WORLD[7..10]
```