

```

/*The protocol generated is stable!*/

const N= 10..Inf

global protocol simple_ProToCoL (role MPI_COMM_WORLD[0..N-1])
{
  Data(MPI_INT) from MPI_COMM_WORLD[rank:0..7] to
  MPI_COMM_WORLD[rank+1];

  Data(MPI_INT) from MPI_COMM_WORLD[rank:1..8] to
  MPI_COMM_WORLD[rank-1];

  Data(MPI_INT) from MPI_COMM_WORLD[rank:1..8] to
  MPI_COMM_WORLD[rank-1];

  Data(MPI_INT) from MPI_COMM_WORLD[0..N-1] to MPI_COMM_WORLD[0]

  Data(MPI_INT) from MPI_COMM_WORLD[0..N-1] to MPI_COMM_WORLD[5]

  Data(MPI_INT) from MPI_COMM_WORLD[0] to MPI_COMM_WORLD[0..N-1]
}

```