

## Checkpoint1

```
[INFO 0,1] checkpoint1: -> checkpoint 1 starts
[INFO 1,2] worker: w 0 round 0
[INFO 0,3] worker: w 1 round 0
[INFO 3,5] worker: w 3 round 0
[INFO 2,4] worker: w 2 round 0
[INFO 3,2] worker: w 0 round 1000
[INFO 1,5] worker: w 3 round 1000
[INFO 3,3] worker: w 1 round 1000
[INFO 3,4] worker: w 2 round 1000
[INFO 1,2] worker: w 0 round 2000
[INFO 0,3] worker: w 1 round 2000
[INFO 1,4] worker: w 2 round 2000
[INFO 1,5] worker: w 3 round 2000
[INFO 0,2] worker: w 0 round 3000
[INFO 1,3] worker: w 1 round 3000
[INFO 3,4] worker: w 2 round 3000
[INFO 2,5] worker: w 3 round 3000
[INFO 0,2] worker: w 0 round 4000
[INFO 3,3] worker: w 1 round 4000
[INFO 2,5] worker: w 3 round 4000
[INFO 1,4] worker: w 2 round 4000
[INFO 0,2] worker: w 0 round 5000
[INFO 2,3] worker: w 1 round 5000
[INFO 2,4] worker: w 2 round 5000
[INFO 3,5] worker: w 3 round 5000
[INFO 0,2] worker: w 0 round 6000
[INFO 1,3] worker: w 1 round 6000
[INFO 2,4] worker: w 2 round 6000
[INFO 3,5] worker: w 3 round 6000
[INFO 1,2] worker: w 0 round 7000
[INFO 3,3] worker: w 1 round 7000
[INFO 2,2] worker: w 0 round 8000
[INFO 3,4] worker: w 2 round 7000
[INFO 3,5] worker: w 3 round 7000
[INFO 3,3] worker: w 1 round 8000
[INFO 0,2] worker: w 0 round 9000
[INFO 1,4] worker: w 2 round 8000
[INFO 0,5] worker: w 3 round 8000
[INFO 0,3] worker: w 1 round 9000
[INFO 3,4] worker: w 2 round 9000
[INFO 3,5] worker: w 3 round 9000
[INFO 0,1] checkpoint1: -> checkpoint 1 passed
```

## Checkpoint2

```
[INFO 2,13] worker: w 6 round 2500
[INFO 1,12] worker: w 5 round 2500
[INFO 2,8] worker: w 1 round 3000
[INFO 1,7] worker: w 0 round 3000
[INFO 2,14] worker: w 7 round 2500
[INFO 1,10] worker: w 3 round 3000
[INFO 3,9] worker: w 2 round 3000
[INFO 2,11] worker: w 4 round 3000
[INFO 2,13] worker: w 6 round 3000
[INFO 1,12] worker: w 5 round 3000
[INFO 1,8] worker: w 1 round 3500
[INFO 2,7] worker: w 0 round 3500
[INFO 3,9] worker: w 2 round 3500
[INFO 2,10] worker: w 3 round 3500
[INFO 2,14] worker: w 7 round 3000
[INFO 1,11] worker: w 4 round 3500
[INFO 3,12] worker: w 5 round 3500
[INFO 3,8] worker: w 1 round 4000
[INFO 1,13] worker: w 6 round 3500
[INFO 3,7] worker: w 0 round 4000
[INFO 3,9] worker: w 2 round 4000
[INFO 3,10] worker: w 3 round 4000
[INFO 1,14] worker: w 7 round 3500
[INFO 1,11] worker: w 4 round 4000
[INFO 1,8] worker: w 1 round 4500
[INFO 3,7] worker: w 0 round 4500
[INFO 2,13] worker: w 6 round 4000
[INFO 2,12] worker: w 5 round 4000
[INFO 3,9] worker: w 2 round 4500
[INFO 1,10] worker: w 3 round 4500
[INFO 1,11] worker: w 4 round 4500
[INFO 3,14] worker: w 7 round 4000
[INFO 3,12] worker: w 5 round 4500
[INFO 3,13] worker: w 6 round 4500
[INFO 1,14] worker: w 7 round 4500
[INFO 0,1] checkpoint2: -> checkpoint 2 passed
```

## Checkpoint3

```
[INFO 0,1] checkpoint3: -> checkpoint 3 starts
[INFO 1,15] eat: philosophers eat 1000 times in total
[INFO 0,16] eat: philosophers eat 2000 times in total
[INFO 3,15] eat: philosophers eat 3000 times in total
[INFO 1,16] eat: philosophers eat 4000 times in total
[INFO 1,15] eat: philosophers eat 5000 times in total
[INFO 0,16] eat: philosophers eat 6000 times in total
[INFO 0,16] eat: philosophers eat 7000 times in total
[INFO 2,15] eat: philosophers eat 8000 times in total
[INFO 1,15] eat: philosophers eat 9000 times in total
[INFO 3,16] eat: philosophers eat 10000 times in total
[INFO 2,16] eat: philosophers eat 11000 times in total
[INFO 3,16] eat: philosophers eat 12000 times in total
[INFO 1,15] eat: philosophers eat 13000 times in total
[INFO 0,16] eat: philosophers eat 14000 times in total
[INFO 2,15] eat: philosophers eat 15000 times in total
[INFO 1,15] eat: philosophers eat 16000 times in total
[INFO 2,18] eat: philosophers eat 17000 times in total
[INFO 1,15] eat: philosophers eat 18000 times in total
[INFO 2,15] eat: philosophers eat 19000 times in total
[INFO 1,17] eat: philosophers eat 20000 times in total
[INFO 3,16] eat: philosophers eat 21000 times in total
[INFO 3,16] eat: philosophers eat 22000 times in total
[INFO 0,16] eat: philosophers eat 23000 times in total
[INFO 1,17] eat: philosophers eat 24000 times in total
[INFO 0,17] eat: philosophers eat 25000 times in total
[INFO 2,15] eat: philosophers eat 26000 times in total
[INFO 3,15] eat: philosophers eat 27000 times in total
[INFO 2,16] eat: philosophers eat 28000 times in total
[INFO 1,15] eat: philosophers eat 29000 times in total
[INFO 1,16] eat: philosophers eat 30000 times in total
[INFO 0,16] eat: philosophers eat 31000 times in total
[INFO 0,16] eat: philosophers eat 32000 times in total
[INFO 1,15] eat: philosophers eat 33000 times in total
[INFO 0,16] eat: philosophers eat 34000 times in total
[INFO 3,16] eat: philosophers eat 35000 times in total
[INFO 0,15] eat: philosophers eat 36000 times in total
[INFO 3,15] eat: philosophers eat 37000 times in total
[INFO 0,15] eat: philosophers eat 38000 times in total
[INFO 2,15] eat: philosophers eat 39000 times in total
[INFO 1,15] eat: philosophers eat 40000 times in total
[INFO 3,16] eat: philosophers eat 41000 times in total
[INFO 2,16] eat: philosophers eat 42000 times in total
[INFO 3,15] eat: philosophers eat 43000 times in total
[INFO 2,16] eat: philosophers eat 44000 times in total
[INFO 1,16] eat: philosophers eat 45000 times in total
[INFO 0,15] eat: philosophers eat 46000 times in total
[INFO 1,15] eat: philosophers eat 47000 times in total
[INFO 2,16] eat: philosophers eat 48000 times in total
[INFO 1,15] eat: philosophers eat 49000 times in total
[INFO 0,15] eat: philosophers eat 50000 times in total
[INFO 0,1] checkpoint3: -> checkpoint 3 passed
[INFO 0,1] synclab_main: all checks passed
```

I spend time doing this assignment for about 2 hours.