

```
.0.1:5002", "127.0.0.1:5003"]
                                                                                                                                                                                                                                                                                                                                           Finished dev [unoptimized + debuginfo] target(s) in 0.20s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2023-0...16.09.06
                                                                                                                                                                                                                                                                                                                                              Running `target/debug/ring-rs '127.0.0.1:5001' '127.0.0.1:5000'`
2023-02-10T07:09:12.271701Z INFO ring_rs: members: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0.0.1:5002", "
                                                                                                                                                                                                                                                                                                                               2023-02-10T07:09:08.870200Z INFO ring_rs: next: 127.0.0.1:5000
                                                                                                                                                                                                                                                                                                                                2023-02-10T07:09:08.870238Z INFO ring_rs: prev: 127.0.0.1:5002
2023-02-10T07:09:12.271821Z INFO ring_rs: prev: 127.0.0.1:5001, next: 127.0.0.1:5003
                                                                                                                                                                                                                                                                                                                                2023-02-10T07:09:10.263987Z INFO ring_rs: prev: 127.0.0.1:5002, next: 127.0.0.1:5000
2023-02-10T07:09:12.273357Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:10.275480Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001
.0.1:5002", "127.0.0.1:5003"]
                                                                                                                                                                                                                                                                                                                                .0.1:5002", "127.0.0.1:5003"]
2023-02-10T07:09:14.262526Z INFO ring_rs: i am coordinator
                                                                                                                                                                                                                                                                                                                                2023-02-10T07:09:12.264615Z INFO ring_rs: prev: 127.0.0.1:5002, next: 127.0.0.1:5000
2023-02-10T07:09:14.274326Z INFO ring_rs: members: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0.0.1:5002", "
                                                                                                                                                                                                                                                                                                                                2023-02-10T07:09:12.275763Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0
127.0.0.1:5003"]
                                                                                                                                                                                                                                                                                                                                .0.1:5002", "127.0.0.1:5003"]
2023-02-10T07:09:14.274443Z INFO ring_rs: prev: 127.0.0.1:5001, next: 127.0.0.1:5003
                                                                                                                                                                                                                                                                                                                                2023-02-10T07:09:14.266810Z INFO ring_rs: prev: 127.0.0.1:5002, next: 127.0.0.1:5000
2023-02-10T07:09:14.276116Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:14.278433Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:14.278433Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:14.278433Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0 2023-02-10T07:09:14.278433Z INFO ring_rs: announced connection: ["127.0 2023-02-10T07:09:14.27843Z INFO ring_rs: announced connection: ["127.0 2023-02-10T07:09:14.27843Z INFO ring_rs: announced connection: ["127.0 2023-02-10T07:09:14.27843Z INFO ring_rs: announced connection: ["127.0 2023-02-10T07:09:14.2784]
.0.1:5002", "127.0.0.1:5003"]
                                                                                                                                                                                                                                                                                                                                .0.1:5002", "127.0.0.1:5003"]
                                                                                                                                                                                                                                                                                                                                                                                                                                        cargo run -- 127.0.0 ~/P/g/n/d/ring-rs
                                                                                                        cargo run -- 127.0.0 ~/P/g/n/d/ring-rs
```

```
1: cargo run -- 127.0.0 \sim/P/g/n/d/ring-rs \times +
                                                                                                                                                                                                                                                                                           1: cargo run -- 127.0.0 \sim/P/g/n/d/ring-rs \times +
 .0.1:5002", "127.0.0.1:5003"]
                                                                                                                                                                                                                                                                                          .0.1:5002", "127.0.0.1:5003"]
2023-02-10T07:08:59.054771Z INFO ring_rs: prev: 127.0.0.1:5001 -> 127.0.0.1:5000
2023-02-10T07:09:02.253993Z INFO ring_rs: prev: 127.0.0.1:5003, next: 127.0.0.1:5000
                                                                                                                                                                                                                                                                                          2023-02-10T07:09:01.256250Z INFO ring_rs: coordinator has gone!
2023-02-10T07:09:02.260407Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5002", "127.0 2023-02-10T07:09:02.255547Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5002
                                                                                                                                                                                                                                                                                          2023-02-10T07:09:02.262365Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5002", "127.0
 .0.1:5003"]
                                                                                                                                                                                                                                                                                          .0.1:5003"]
2023-02-10T07:09:04.257633Z INFO ring_rs: prev: 127.0.0.1:5003, next: 127.0.0.1:5000
2023-02-10T07:09:04.268181Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5002", "127.0 2023-02-10T07:09:04.260571Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5002
                                                                                                                                                                                                                                                                                          2023-02-10T07:09:04.270469Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5002", "127.0
2023-02-10T07:09:06.259133Z INFO ring_rs: prev: 127.0.0.1:5003, next: 127.0.0.1:5000
                                                                                                                                                                                                                                                                                          .0.1:5003"]
2023-02-10T07:09:06.268195Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5002", "127.0 2023-02-10T07:09:06.261630Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5002
                                                                                                                                                                                                                                                                                          2023-02-10T07:09:06.270455Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5002", "127.0
.0.1:5003"]
2023-02-10T07:09:08.258855Z INFO ring_rs: prev: 127.0.0.1:5003, next: 127.0.0.1:5000
2023-02-10T07:09:08.265417Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5002", "127.0
                                                                                                                                                                                                                                                                                         2023-02-10T07:09:08.260418Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5002
 .0.1:5003"]
                                                                                                                                                                                                                                                                                          2023-02-10T07:09:08.267276Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5002", "127.0
2023-02-10T07:09:08.868303Z INFO ring_rs: next: 127.0.0.1:5000 -> 127.0.0.1:5001
2023-02-10T07:09:10.266707Z INFO ring_rs: prev: 127.0.0.1:5003, next: 127.0.0.1:5001
                                                                                                                                                                                                                                                                                          2023-02-10T07:09:10.269526Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5002
2023-02-10T07:09:10.277899Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:10.279960Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:10.279960Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:10.279960Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5000", "127.0 2023-02-10T07:09:10.279960Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0 2023-02-10T07:09:10.279960Z INFO ring_rs: announced connection: ["127.0 2023-02-10T0
 .0.1:5002", "127.0.0.1:5003"]
                                                                                                                                                                                                                                                                                          .0.1:5002", "127.0.0.1:5003"]
2023-02-10T07:09:12.267517Z INFO ring_rs: prev: 127.0.0.1:5003, next: 127.0.0.1:5001
                                                                                                                                                                                                                                                                                          2023-02-10T07:09:12.270013Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5002
2023-02-10T07:09:12.278067Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:12.280177Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001", "127.0 1:5001
                                                                                                                                                                                                                                                                                          .0.1:5002", "127.0.0.1:5003"]
 .0.1:5002", "127.0.0.1:5003"]
2023-02-10T07:09:14.280781Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:14.282782Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:14.282782Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0 2023-02-10T07:09:14.282782Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0 2023-02-10T07:09:14.282782Z INFO ring_rs: announced connection: ["127.0 2023-02-10T07:09:14.28278Z INFO ring_rs: announced connection: ["127.0 2023-02-10T07:09:14.28278Z INFO ring_rs: announced connection: ["127.0 2023-02-10T07:09:14.2827Z INFO ring_rs: announced connection: ["127.0 2023-02-10T07:09:14.2827Z INFO ring_rs: announced co
 .0.1:5002", "127.0.0.1:5003"]
                                                                                                                                                                                                                                                                                          <u>.</u>0.1:5002", "127.0.0.1:5003"]
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2023-02-10T07:09:08.866774Z INFO ring_rs: prev: 127.0.0.1:5002 -> 127.0.0.1:5001

2023-02-10T07:09:10.271414Z INFO ring_rs: prev: 127.0.0.1:5001, next: 127.0.0.1:5003

2023-02-10T07:09:10.271294Z INFO ring_rs: members: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0.0.1:5002", "

2023-02-10T07:09:10.258962Z INFO ring_rs: i am coordinator

127.0.0.1:5003"]









2023-02-10T07:09:10.273074Z INFO ring_rs: announced connection: ["127.0.0.1:5000", "127.0.0.1:5001", "127.0) cargo run -- 127.0.0.1:5001 127.0.0.1:5000























2023-02-10T07:08:59.061595Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5003

2023-02-10T07:08:59.061611Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5003

2023-02-10T07:08:59.061626Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5003

2023-02-10T07:08:59.061640Z INFO ring_rs: prev: 127.0.0.1:5000, next: 127.0.0.1:5003

distributed-programming-ex/ring-rs on | master [!] is 📦 v0.1.0 via 🦀 v1.67.0 took 1m5s





