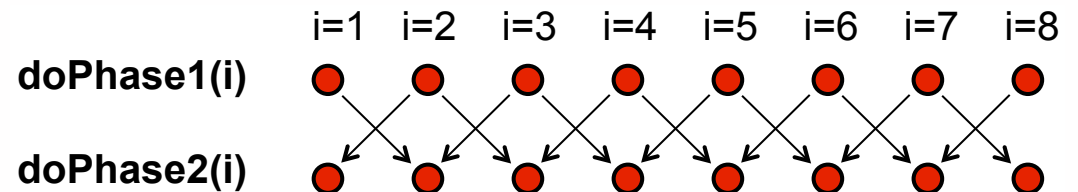


Worksheet #16:

Left-Right Neighbor Synchronization using Phasers

Name: _____

Netid: _____



Complete the phased clause below to implement the left-right neighbor synchronization shown above.

```
1. finish (() -> {
2.   final HjPhaser[] ph =
       new HjPhaser[m+2]; // array of phaser objects
3.   forseq(0, m+1, (i) -> { ph[i] = newPhaser(SIG_WAIT) });
4.   forseq(1, m, (i) -> {
5.     asyncPhased(
       ph[i-1].inMode(. . . . .),
       ph[i].inMode(. . . . .),
       ph[i+1].inMode(. . . . .), () {
6.       doPhase1(i);
7.       next();
8.       doPhase2(i); }); // asyncPhased
9.   }); // forseq
10.}); // finish
```

