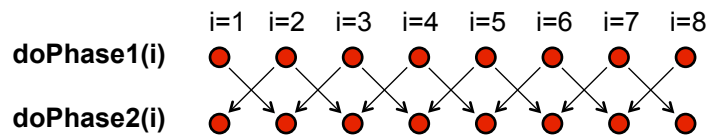


# Worksheet #15:

## Left-Right Neighbor Synchronization using Phasers

Name: \_\_\_\_\_

Netid: \_\_\_\_\_



Complete the phased clause below to implement the point-to-point synchronization shown above for m tasks (generalization of slide 11)

```
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
```

