Worksheet #22:
Interaction between finish and actors

Name: _____   Net ID: _____

What output will be printed if the end-finish operation from slide 13 is moved from line 13 to line 11 as shown below? (Hint: see rule re. finish and actor start operations at bottom of slide 9.)

```
1.    finish(() -> {
2.       int threads = 4;
3.       int numberOfHops = 10;
4.       ThreadRingActor[] ring = new ThreadRingActor[threads];
5.       for(int i=threads-1;i>=0; i--) {
6.         ring[i] = new ThreadRingActor(i);
7.         ring[i].start();
8.         if (i < threads - 1) {
9.           ring[i].nextActor(ring[i + 1]);
10.       } }
11.    }); // finish
12.  ring[threads-1].nextActor(ring[0]);
13.  ring[0].send(numberOfHops);
14.
```

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