Semaphore
Rendezvous Puzzle

```
1  statement a1        1  statement b1
2  statement a2        2  statement b2
```

Q: How to guarantee that
   1. a1 happens before b2, and
   2. b1 happens before a2

   $a1 \rightarrow b2;\ \ b1 \rightarrow a2$

Hint: Use two semaphores initialized to 0.