```
sem arrive1 = 0, arrive2 = 0;
process Worker1 {
  ...
  V(arrive1);    /* signal arrival         */
  P(arrive2);    /* wait for other process */
  ...
}
process Worker2 {
  ...
  V(arrive2);    /* signal arrival         */
  P(arrive1);    /* wait for other process */
  ...
}
```

Figure 4.2 Barrier synchronization using semaphores.