

```
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.