```
boolean blocked[2];
                              1) Suppose P1
int turn;
                              runs first
void P(int id)
 while (true) {
          blocked[id] = true;
          while (turn != id) {
                     while (blocked[1-id])
2) Suppose
                               ;/* do nothing */
P1 is
                     turn = id;
switched
                                  5) P1 is
out before/* critical section */
                                  switched in
executing blocked[id] = false;
                                  and changes
"turn=id" /* remainder */
                                  turn, enters
                                  its critical
                                  section
void main()
          blocked[0] = false;
          blocked[1] = false;
          turn = 0;
          parbegin (P(0), P(1));
```

```
boolean blocked[2];
                           3) P0 starts to
int turn
                           run
void P(int id)
 while (true) {
          blocked[id] = true;
          while (turn != id) {
            while (blocked[1-id])
                    ;/* do nothing */
                    turn = id;
          /* critical section */ 4) PO enters
          blocked[id] = false; its critical
          /* remainder */ section and is
                               switched out
void main()
          blocked[0] = false;
          blocked[1] = false;
          turn = 0:
          parbegin (P(0), P(1));
```