```
module Waiter[5]
  op getforks(), relforks();
body
  process the_waiter {
    while (true) {
      receive getforks();
      receive relforks();
    }
  }
end Waiter

process Philosopher[i = 0 to 4] {
  int first = i, second = i+1;
  if (i == 4) {
    first = 0; second = 4; }
  while (true) {
    call Waiter[first].getforks();
    call Waiter[second].getforks();
    eat;
    send Waiter[first].relforks();
    send Waiter[second].relforks();
    think;
  }
}
```

Figure 9.20 Distributed dining philosophers.