```
procedure enter(int mName) {
  find descriptor for monitor mName;
  if (mLock == 1) {
    insert descriptor of executing at end of entry queue;
    executing = 0;
  }
  else
    mLock = 1;    # acquire exclusive access to mName
  dispatcher();
}
procedure exit(int mName) {
  find descriptor for monitor mName;
  if (entry queue not empty)
    move process from front of entry queue to rear of ready list;
  else
    mLock = 0;    # clear the lock
  dispatcher();
}
procedure wait(int mName; int cName) {
  find descriptor for condition variable cName;
  insert descriptor of executing at end of delay queue of cName;
  executing = 0;
  exit(mName);
}
procedure signal(int mName; int cName) {
  find descriptor for monitor mName;
  find descriptor for condition variable cName;
  if (delay queue not empty)
    move process from front of delay queue to rear of entry queue;
  dispatcher();
}
```

Figure 6.6 Monitor kernel primitives.