Monitor

[intro]

[implementation]

wait(mutex);

if(next\_count>0)signal(next);

else signal(mutex);

x.wait()

{

x\_count++;

if(next\_count>0)signal(next);

else signal(mutex);

wait(x\_sem);

x\_count--;

}

x.signal()

{

if(x\_count>0)

{

next\_count++;

signal(x\_sem);

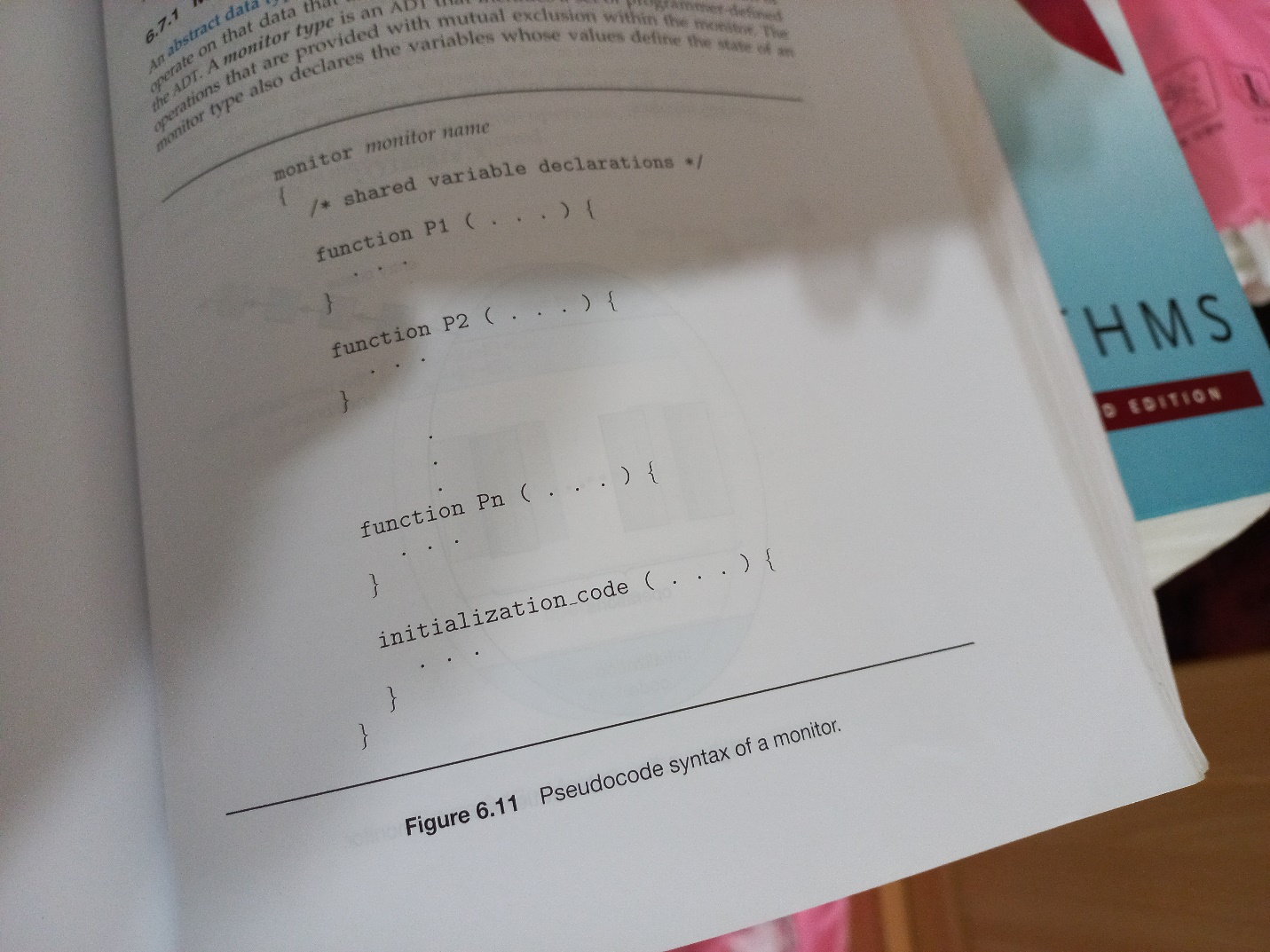
wait(next);

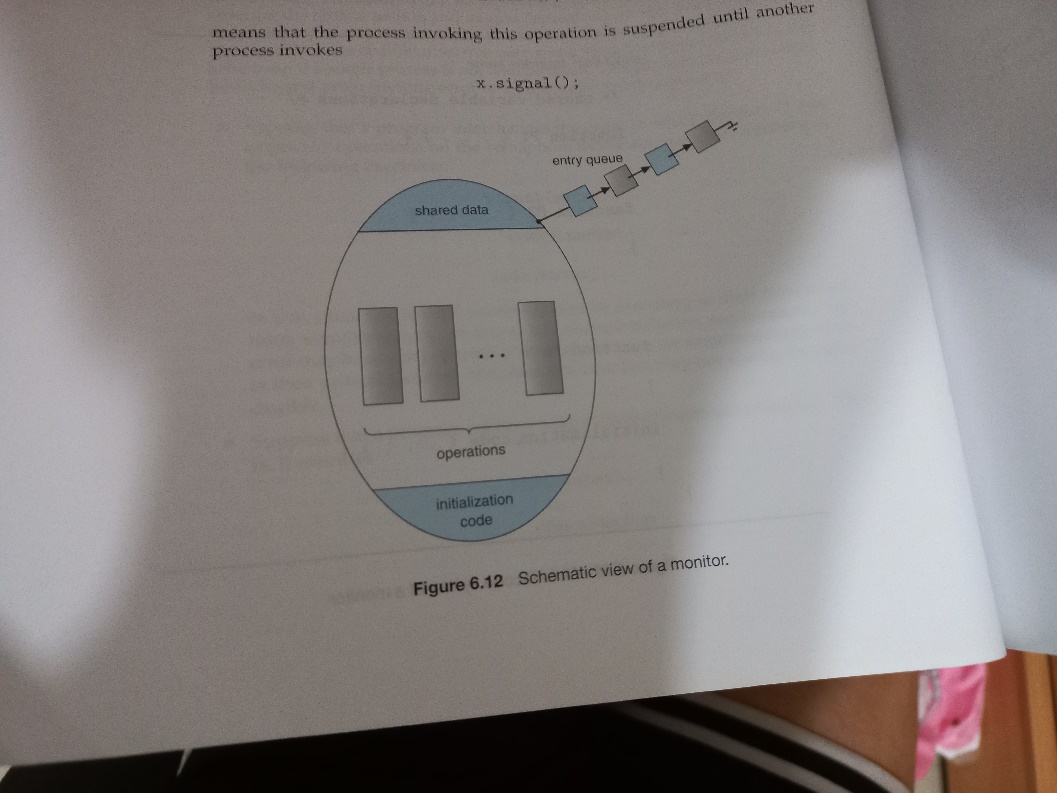
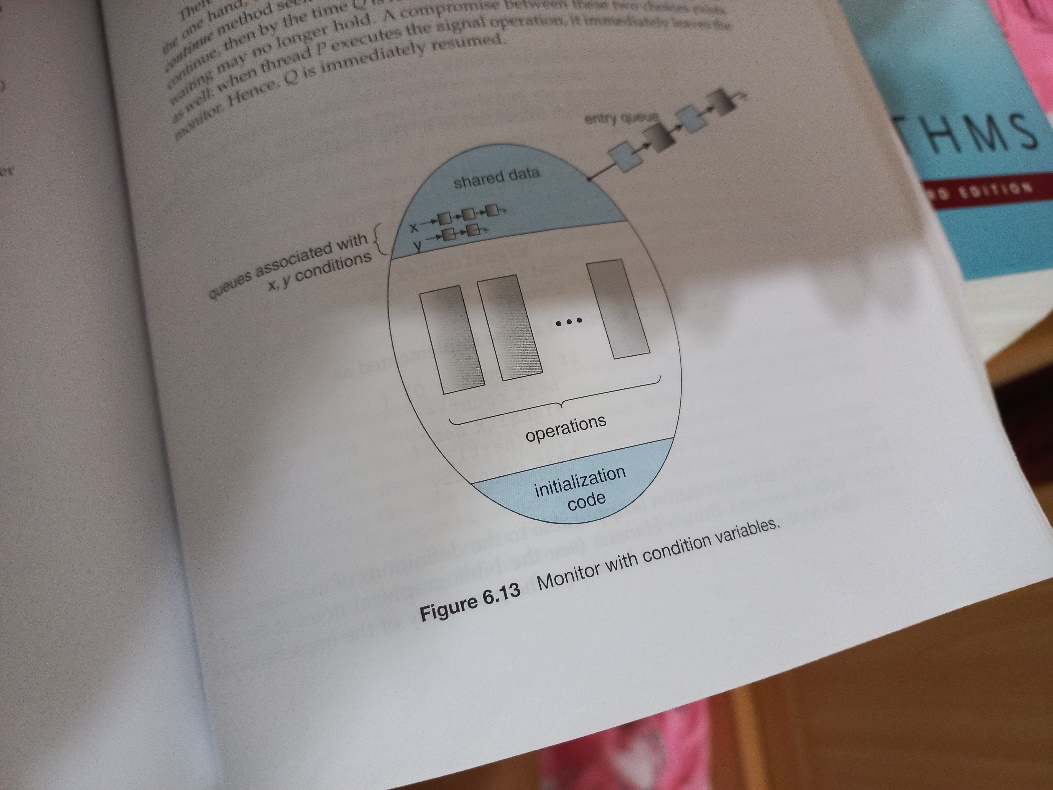
next\_count--;

}

}

[illustration]





[ref]