Assigment-6

1. Consider a system consisting of four resources of the same type that are shared by three processes, each of which needs at most two resources. Show that the system is deadlock free.

A: 当每个进程都占用一个资源时，还空闲一个资源，因而必定有一个进程可以拥有两个资源而完成任务，进而释放资源，所以不存在死锁的可能，这个系统是deadlock free的。