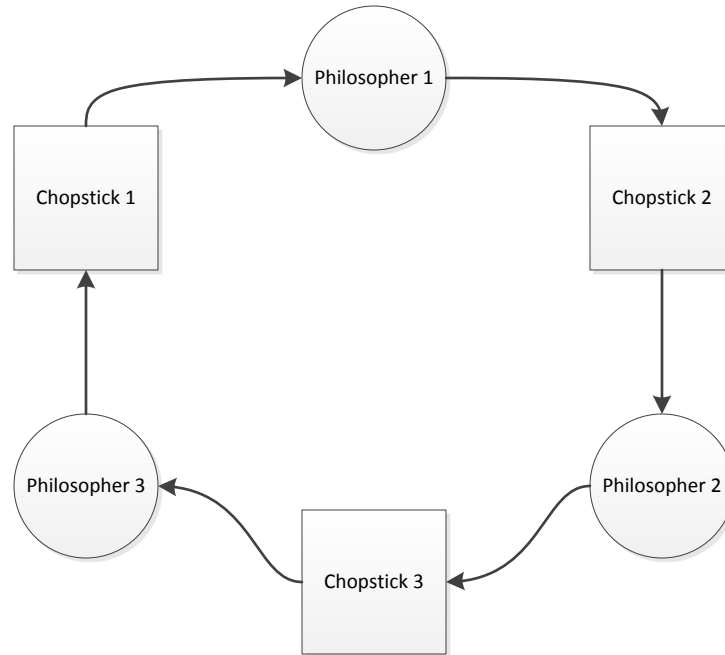


1. a)

Deadlock is possible in this situation because circular wait can exist



1. b)

Circular wait exists between processes Y and Z over resources III and IV, so deadlock is possible.

