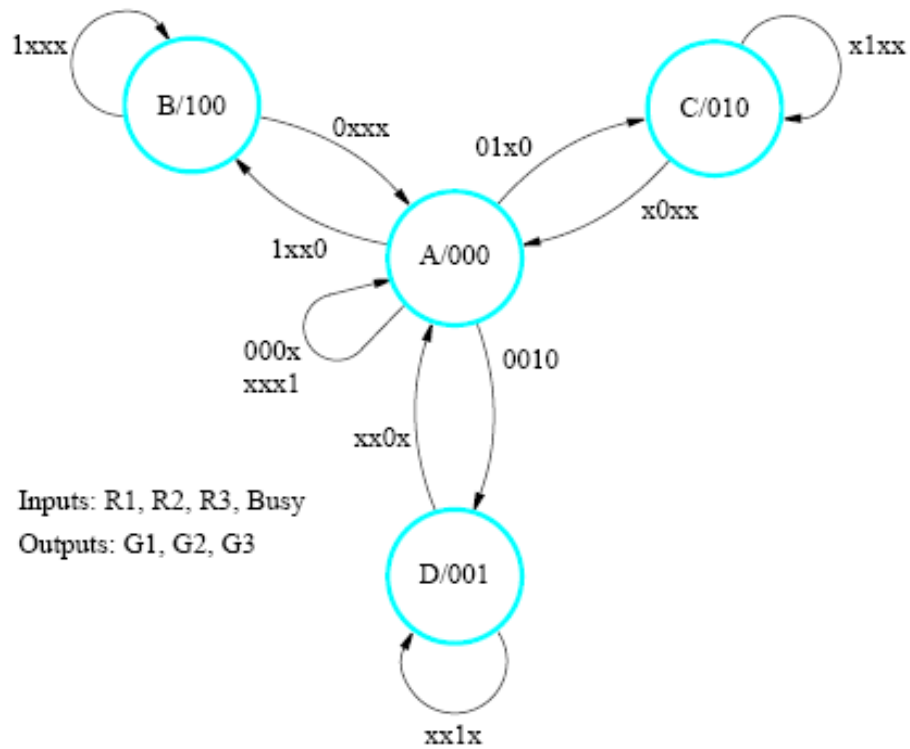
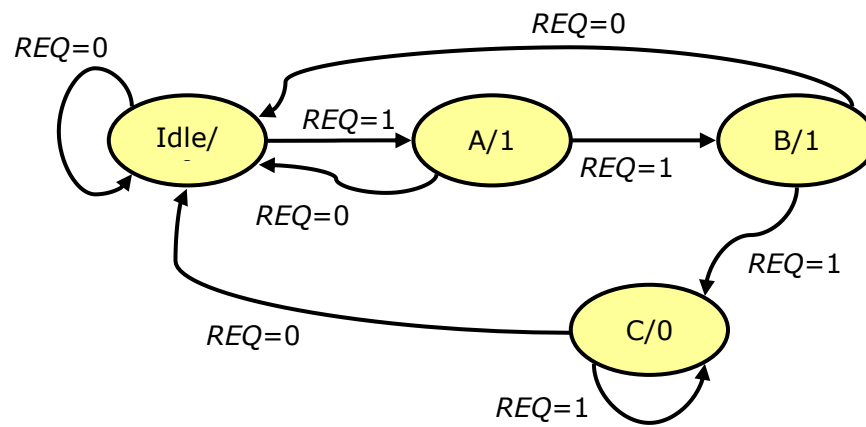


## Solution 3

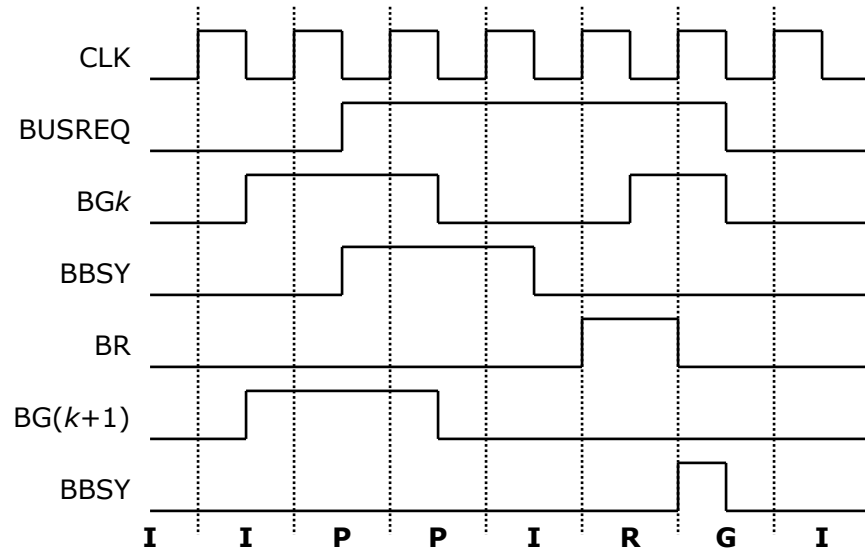
1.



2. Four states: Idle ( $WAIT=0$ ), A ( $WAIT=1$ ), B ( $WAIT=1$ ), C ( $WAIT=0$ ).



**3.**



**4.**

