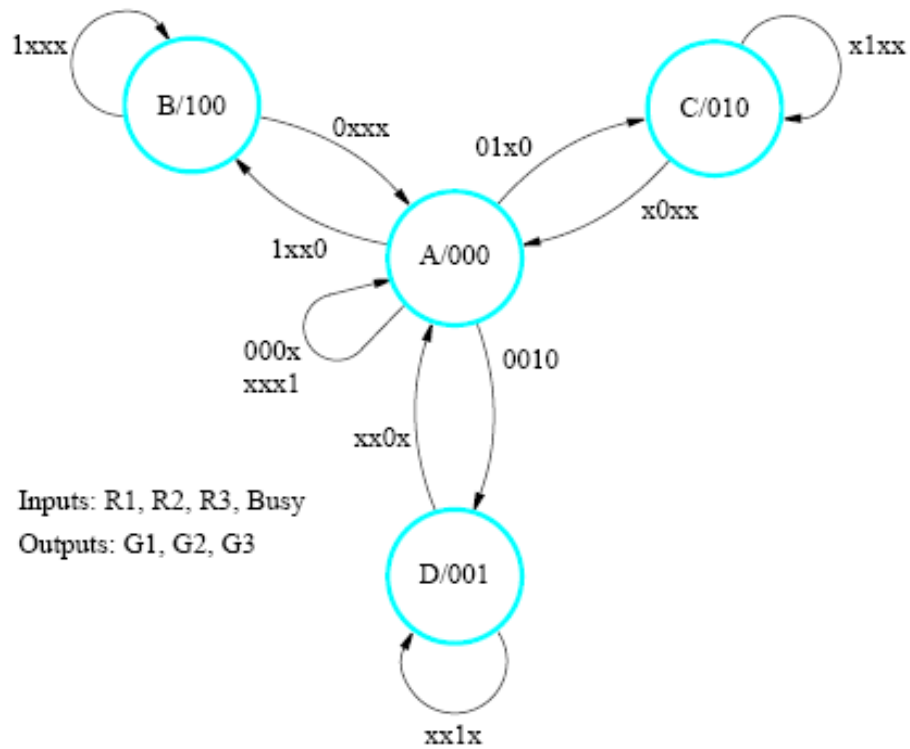
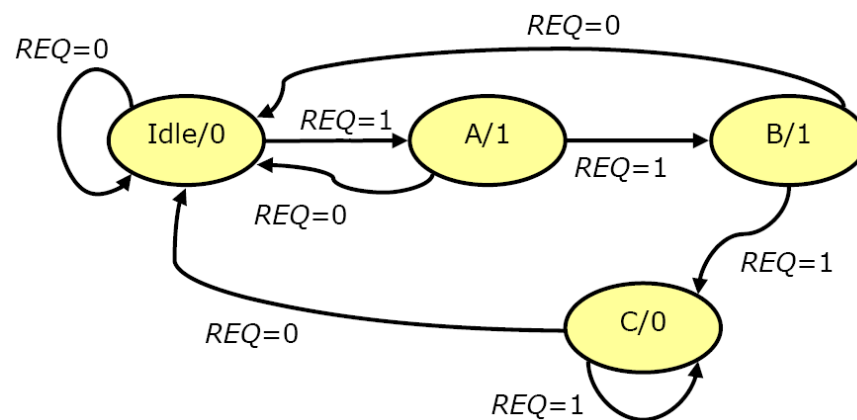


Solution 5

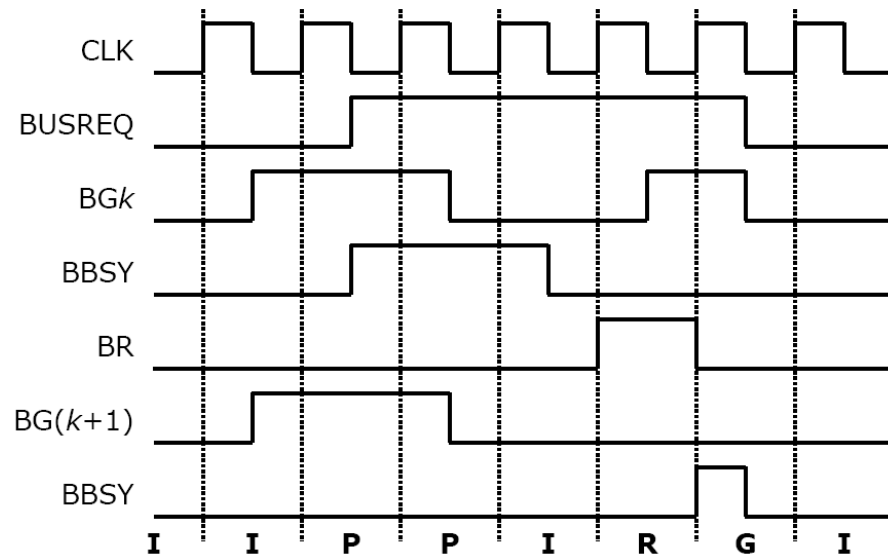
1.



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



3.



4.

