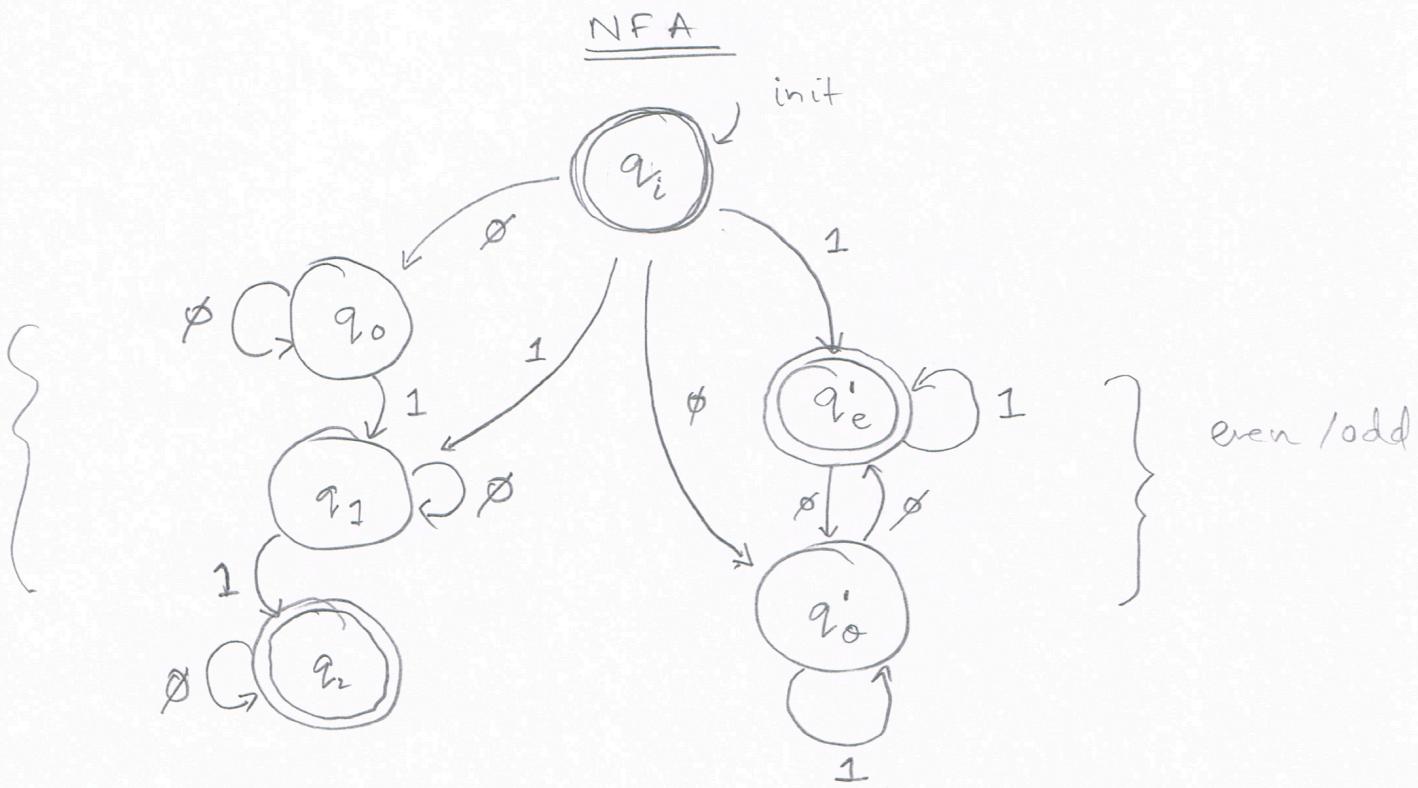
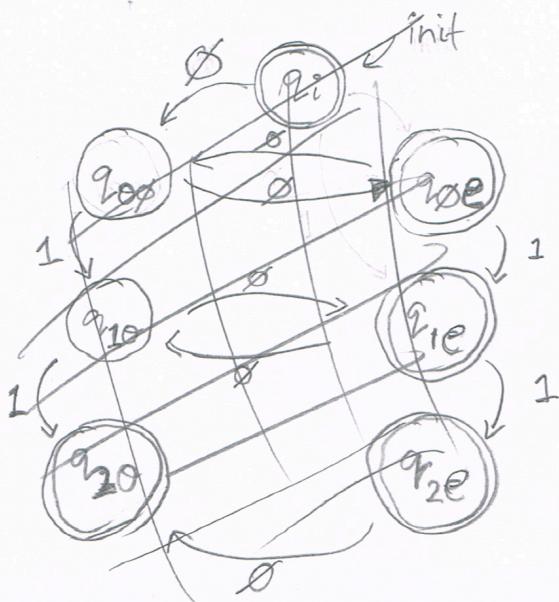


Problem 2 :-



q	\emptyset	1	ϵ^*
init $\rightarrow \dot{q}_i$	\emptyset, \emptyset	$\epsilon', 1$	i
\emptyset	\emptyset	1	\emptyset
1	1	2	1
\dot{q}_2	2	-	2
\dot{q}_e	\emptyset'	ϵ'	ϵ'
\emptyset'	ϵ'	\emptyset'	\emptyset'



q	$\emptyset \epsilon^*$	$1 \epsilon^*$
\dot{q}_i	\emptyset, \emptyset'	$1, \epsilon'$
\emptyset, \emptyset'	\emptyset, ϵ'	$1, \emptyset'$
\dot{q}, ϵ'	$1, \emptyset'$	$2, \epsilon'$
\emptyset, ϵ'	\emptyset, \emptyset'	$1, \epsilon'$
\dot{q}, \emptyset'	$1, \epsilon'$	$2, \emptyset'$
\dot{q}, \emptyset'	$2, \emptyset'$	\emptyset'
\dot{q}, \emptyset'	\emptyset'	ϵ'
\emptyset'	ϵ'	\emptyset'

Diagram on next page.