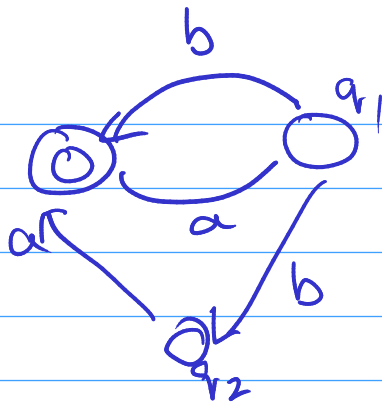
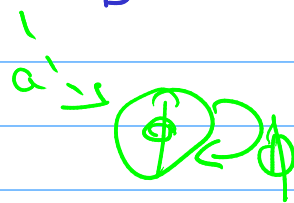
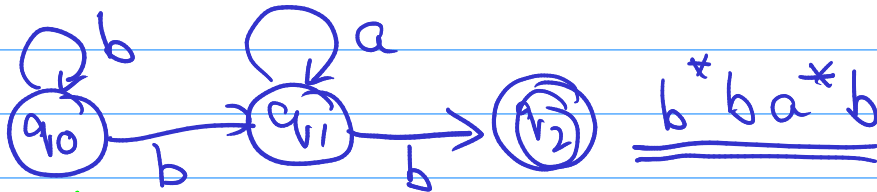
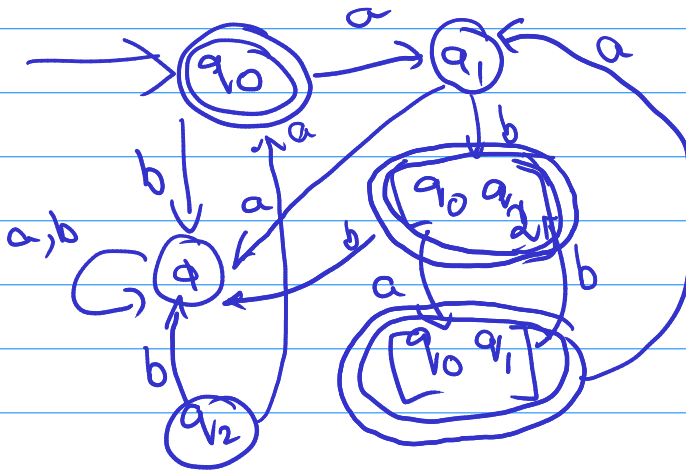


Convert NFA to DFA



State	a	b
q_0	q_1	ϕ
ϕ	ϕ	ϕ
q_1	ϕ	$[q_0, q_2]$
q_2	q_0	ϕ
$[q_0, q_2]$	$(q_0, a) \cup (q_2, a) = \{q_1\} \cup \{q_0\} = [q_0, q_1]$	$\phi \cup \phi = \phi$
$[q_0, q_1]$	$q_1 \cup \phi = q_1$	$q_0 \cup q_2$



(Doesn't solve problem as q_0 has two transitions for B)

b^*ba^*b