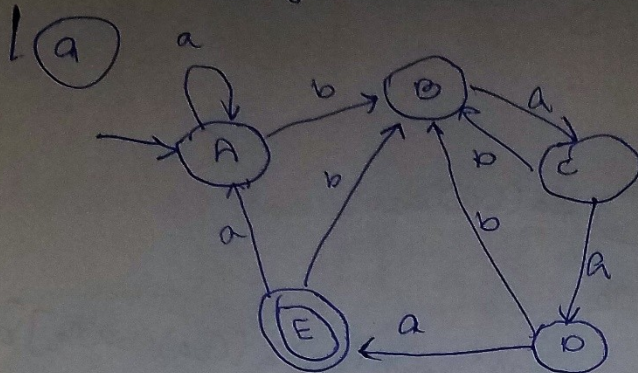
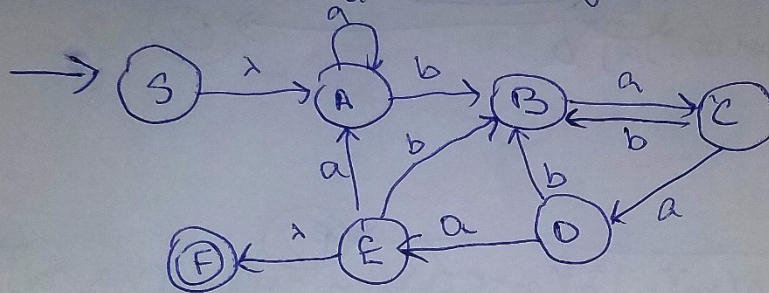


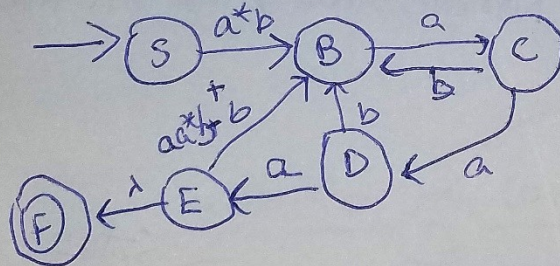
Assignment 2 solution



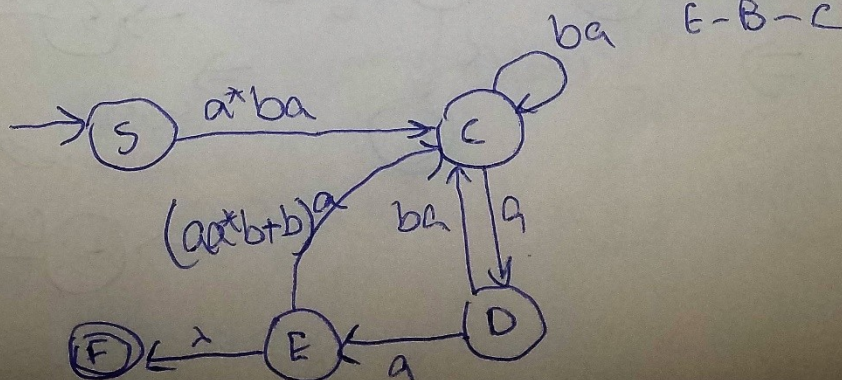
Introduce new start and final state



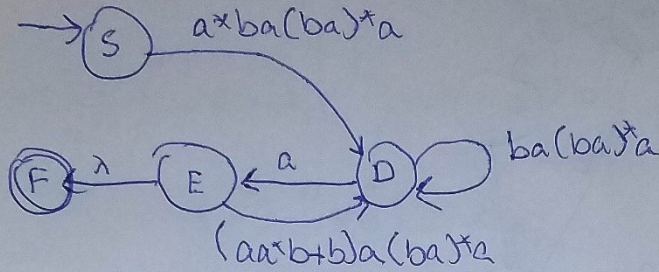
Eliminate state A — being used in $S-A-B$
 $E-A-B$



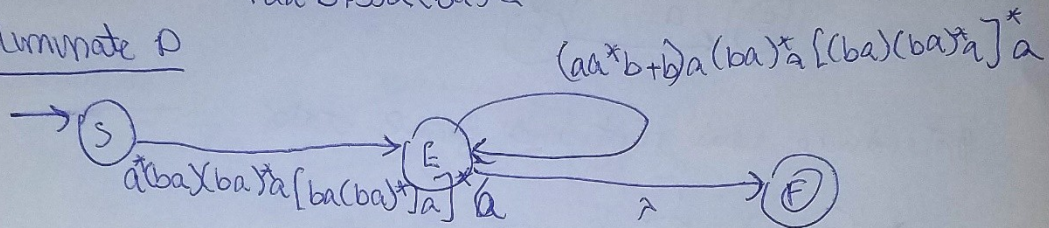
Eliminate state B — being used in $S-B-C$
 $D-B-C$
 $C-B-C$
 $E-B-C$



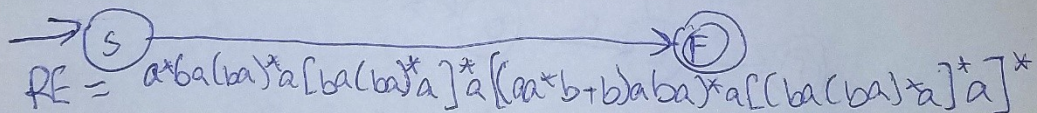
Eliminate state C — S-C-D
 — D-C-D
 E-C-D



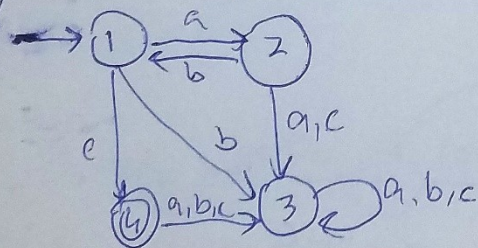
Eliminate D



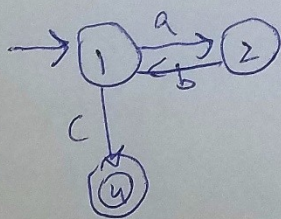
Eliminate E



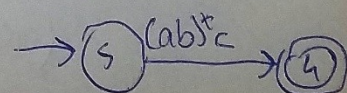
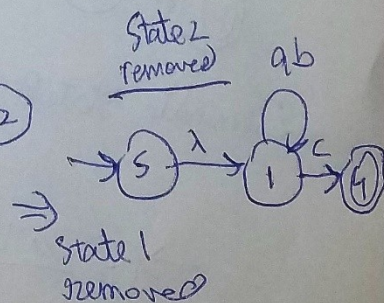
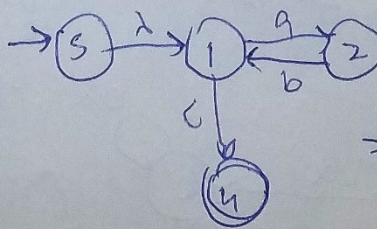
b

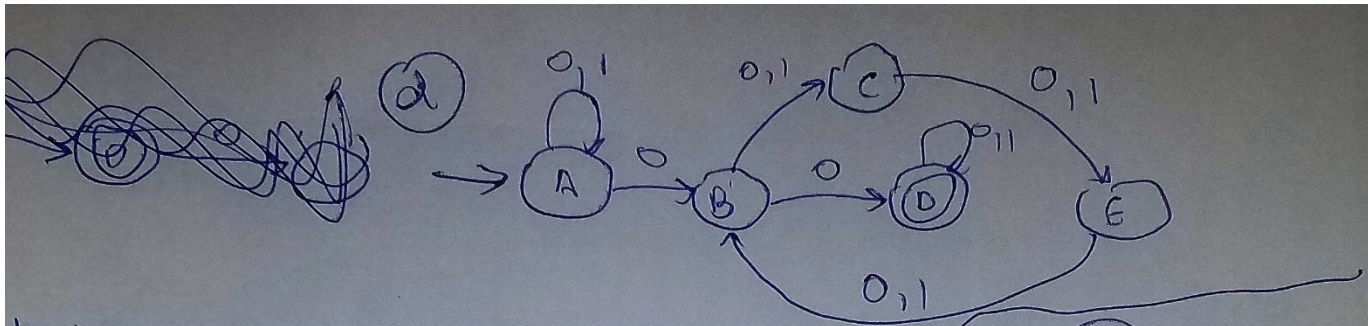


Remove state 3 as it is trap

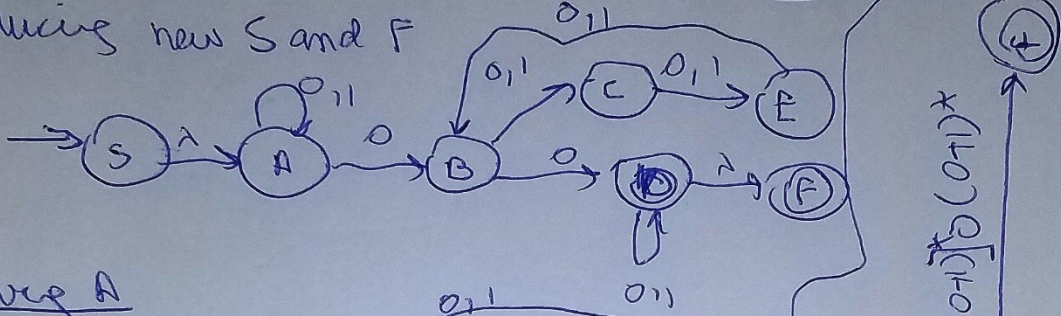


\Rightarrow

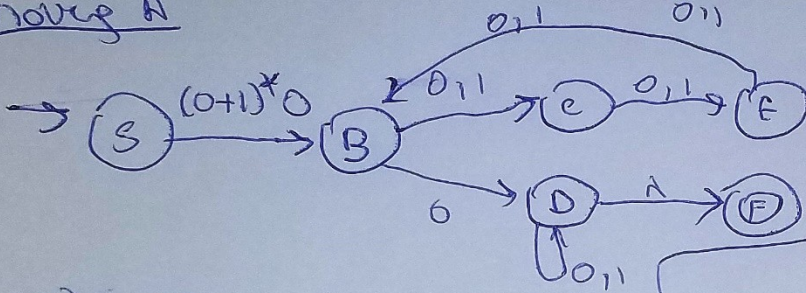




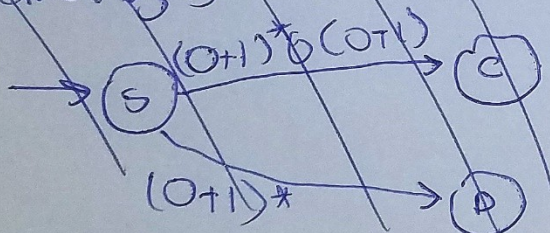
Introducing new S and F



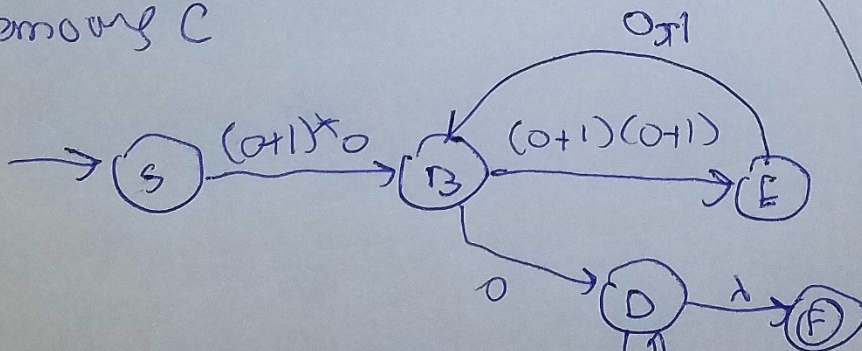
move A



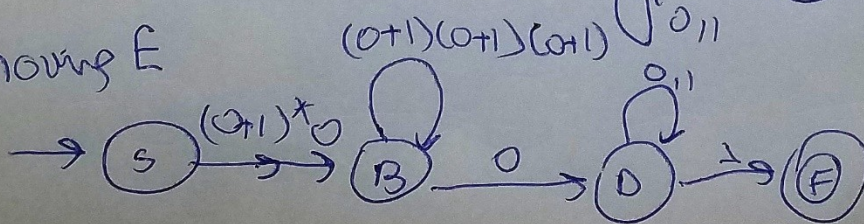
removing B



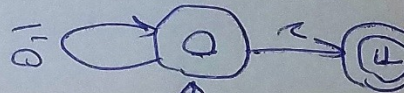
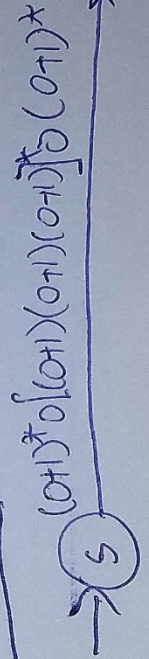
removing C



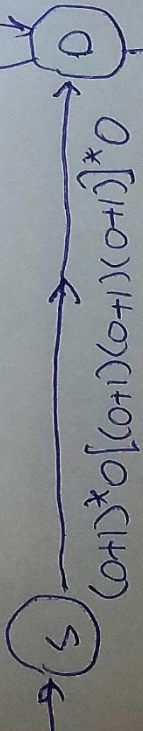
removing E



Remove D



move B



Question 1 c)

