Question 1.54 F= \(\frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{1} \frac{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \fr We claim allstrings of this must be distinct con izo
Two strings ab" 7 ab's combe distrusted by a c'
ab'c' EF but ab'oc' & F Beceuse all string have distinct equivalences desser, there are indinitely many, therefore no DFA (b) Show that the pumping Lemma nobled accept Pumping Lemma: with pumping length & s=xy.

Ixyl=p st. xy'z isinthe language for 1=20 then j=K, adding more a's by point ping it is the kilmer's within language. Lety=2, x=E, y=ac there is clucys in even number of a's, therefore within the language if i=0 all strings of bu are within the language, pumping still applies