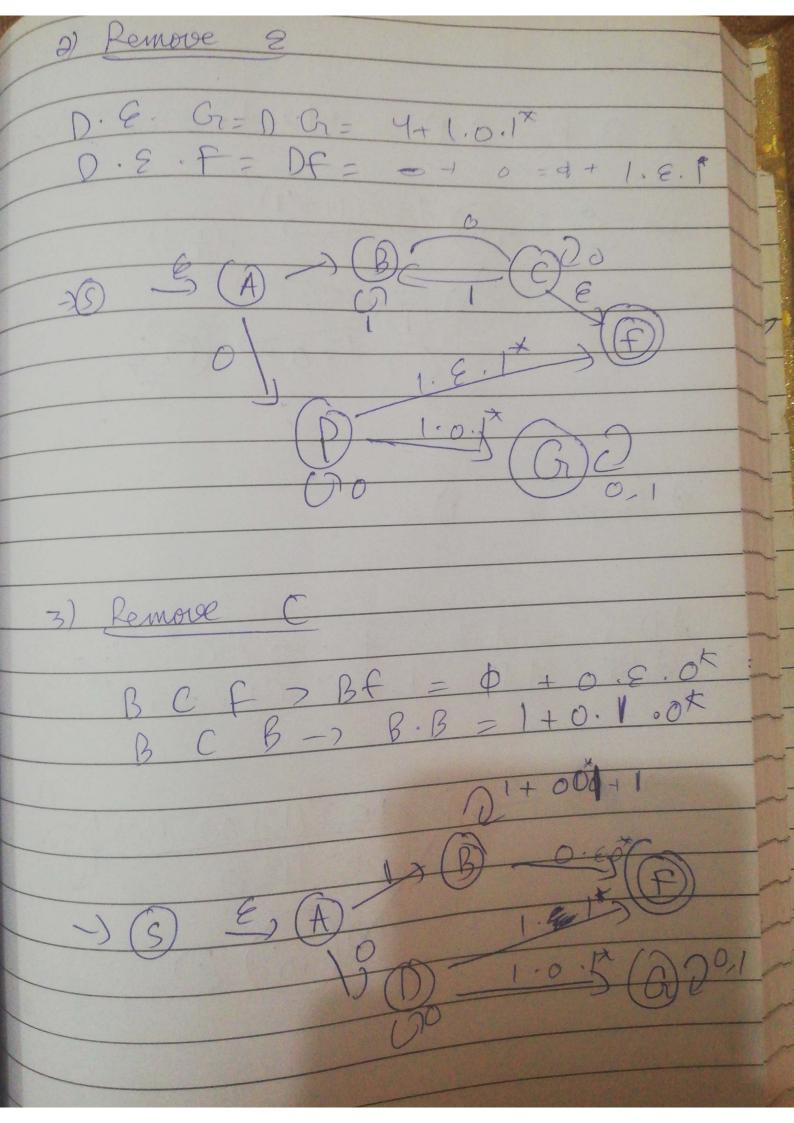
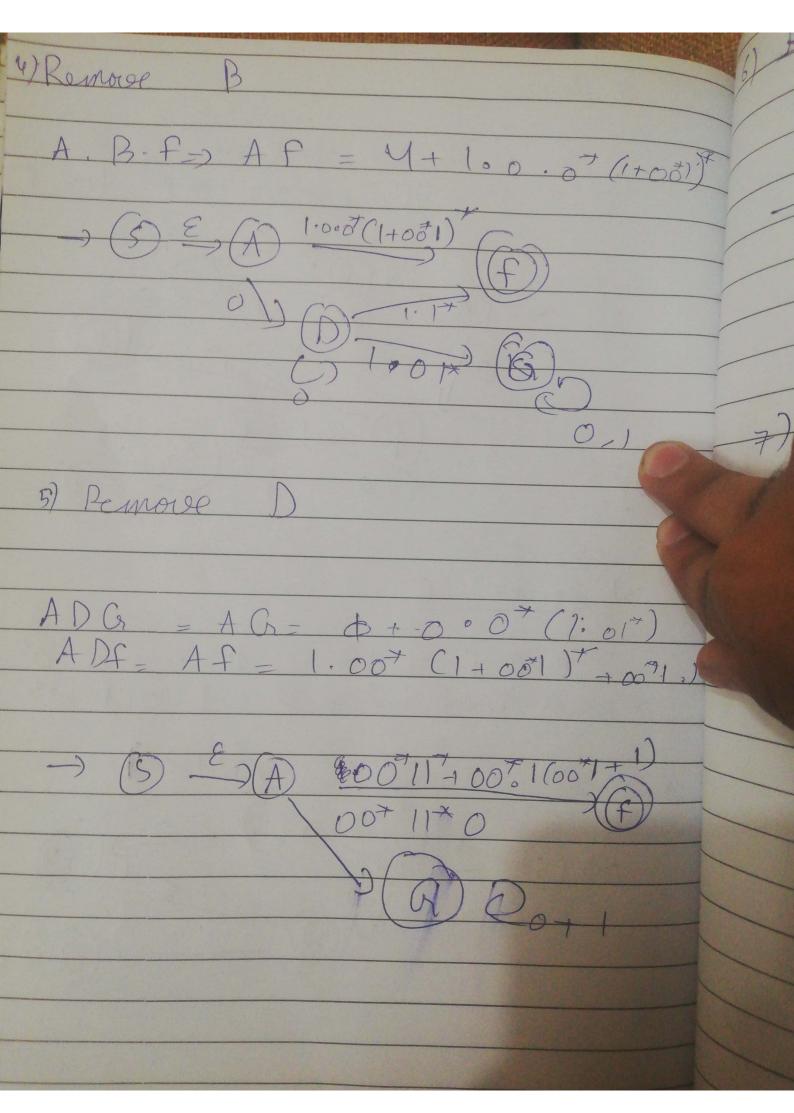
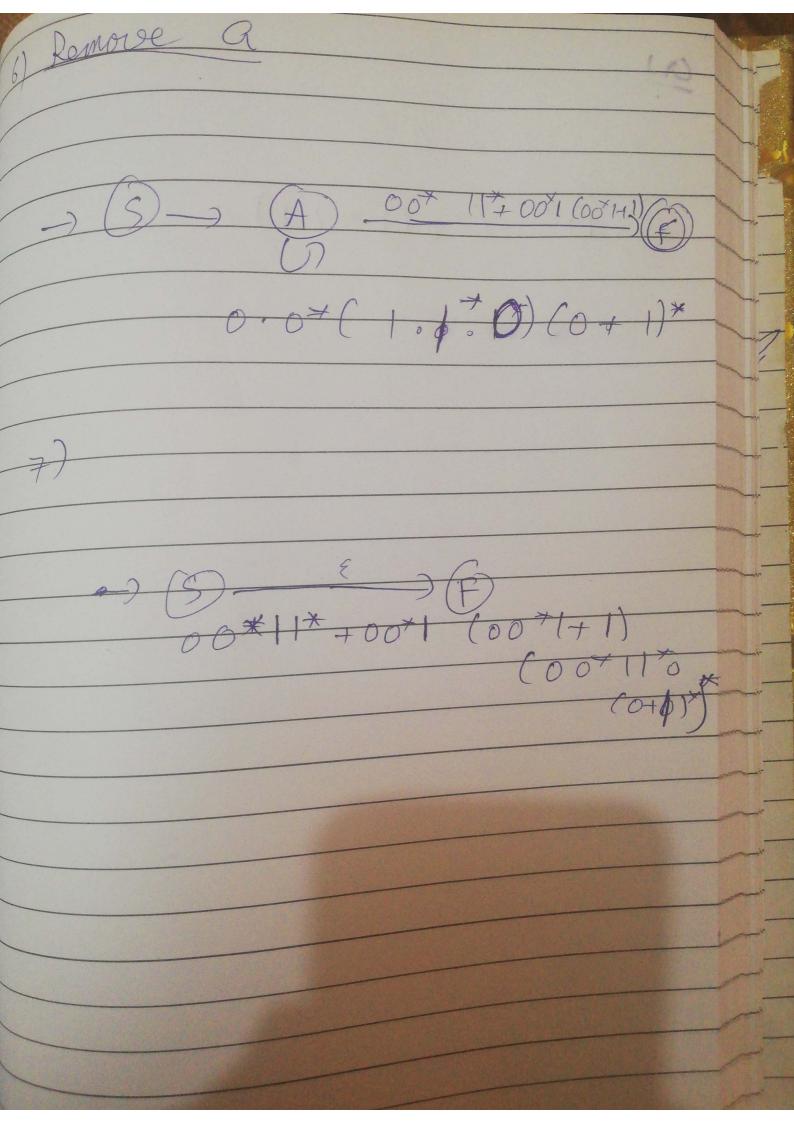
Malik Zohaib Mustafe 01-134192030 BS CS-48 Port a)
L= 30m/n | n=3n3 -By contradiction, let 1 be regular -- P/C constant should excist - consider w = 0 3N In S. F. III o-By pumping comma, we should be able to break w = ocy z 1) 4 = 0 2) 12cy | < N 3) for all K> 0, the string xy'z is also in l Now devide the w into 3 parts and by the rule 9(=0, 4=0 o-By (3), any string of the form

= 3n) 303 Part 6 IW1=3N+ then Foroved

Enrollment: 01-134192-030 # Even will be reproved insert







Part b 030 (0+1) = (11110) C0+1)