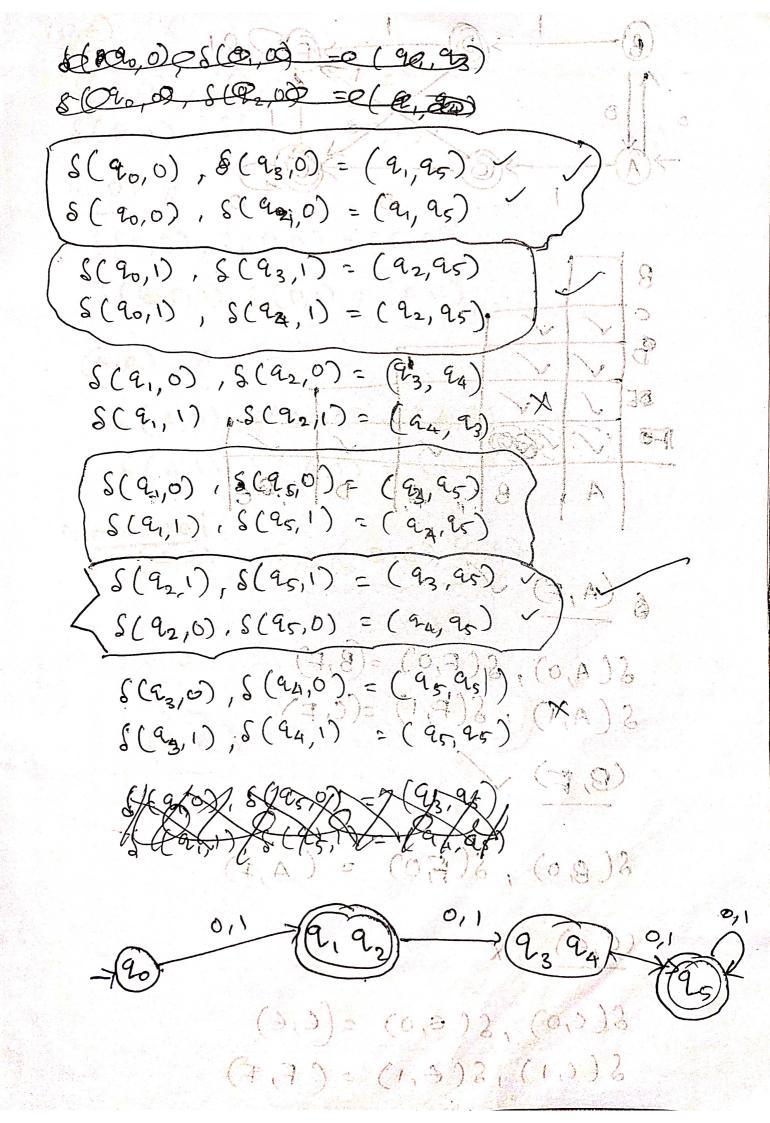
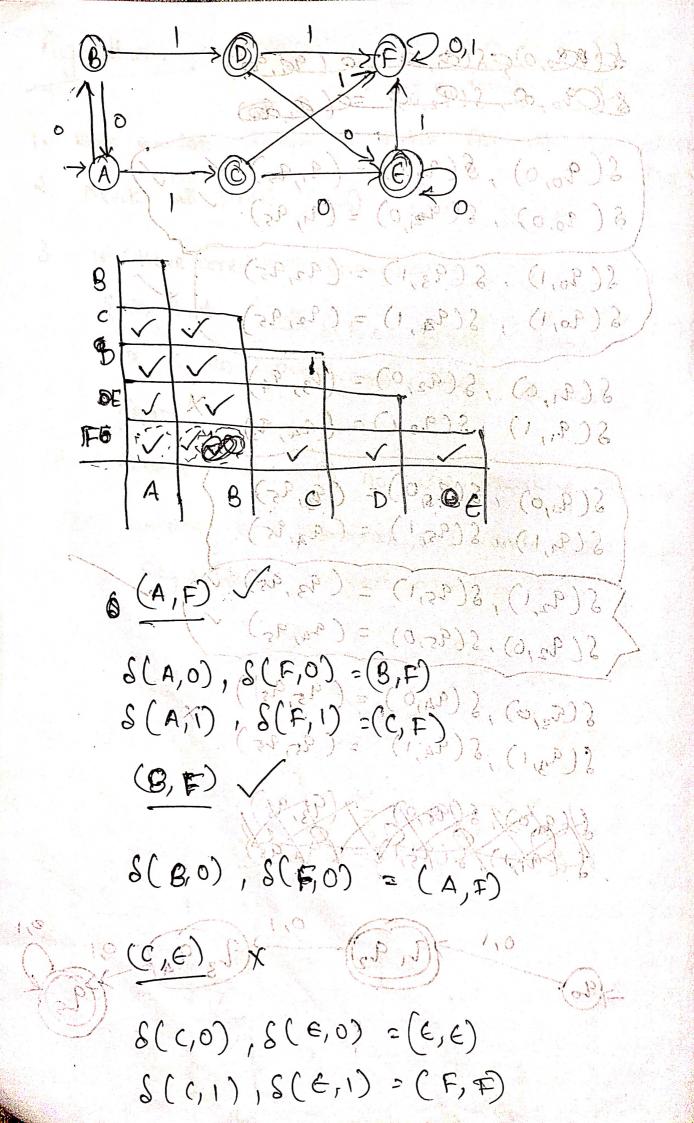
Myhill-prevode Theorem (must monimization, sof OFA) * neccessary and sufficient op Par prove the Longeways * Based on equivalence relation con ChinR) Strings of Language L'and mand y arre the 22, yz EL or 22, yz € L then ready give said to be lindistinguistable over L by the equivalence relation $X \equiv Y$ Here z is said to be indistinguistable extensión MNR gives finite no: of partition of 16 regulard And the finite no: of partition is the no: of states in minimization of OFA. eg: L= { w, w contains even no : of 0's over sol take 2 strings nady EL

TUM SCHEROOD ATO HE 0000 SIMINIM CO MAKINOPIA Goodfor gilla estatodd no of o's ZE 3* 137 to error 110 rol soveren no of o'sot as ease odd Flynou (29) Period (200) Secret Spbo if there are exist inmanted pairs (P. P. T marz = 000 fL, 0x 9 72 = 00000 16 PS FRUTER Coff, Jodny & Jania as it is 2=00 (P,9) = 0000 EL HYZ 7,000000 ELA theren 2 egrivation de charges in 1+ ATO carminion rugy of start significant cargode with 2 State in OFA L= Sansin n, y e e* x= a2 12= 6m in any NZEL, YZGL g hatural number Portition?

=> minimization of DFA with MNT Crable filling method Rass as tabo Draw of table for all pairs of st mark all pains (p,a) PEF, GENFISO IF there are any unmarked pairs (P,a) F=) F, Such that (pear S(P, x), S(q, x)) It is pranked 2=) No or is an input symbol. Hen (Pra) 4. - Repeat of this worth to more marking possible 5 Combine all unmarked pass, and make then Single steute in your minimize DFA. 0,1





Contex + Free armora (CCFC) = + (Xype) S(0,0), S(E,0)=(E,E) SCD, 1), S(E,1) = (F,F) (2,7,T,11) = D (C,D) & Journal you (a) S(C,0) = (0,0) = (6,5) 2 8(0,1),8(0,1) = (F,F) (A,B) x S(A,O), S(BB,O) = (B,B)) 3 9 (2020) 25-(A1)2) 8 (B1) = (C,D) (A,B), (O,D)(D,E), (C,E) 29072. 319:5100, add soo cordsvires (C190 E) 25: 1001(-),1 ddd Zaras G ddd poo (doot = \$ DECO Shothson rope [