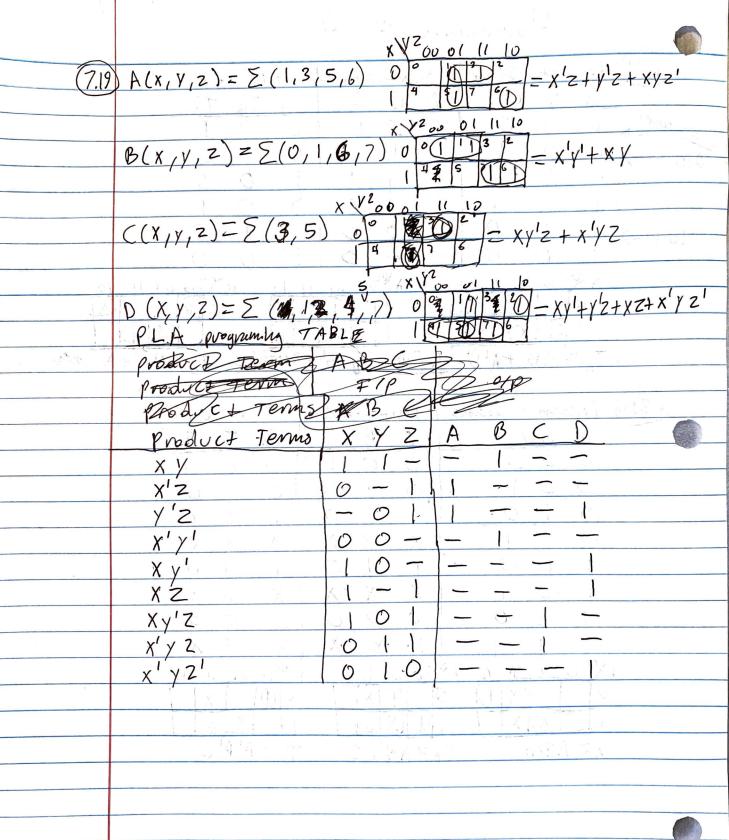
Daniel Delgado Acosta 5-13-22 CSE 3100 Homework # 4 Next State T.F.F I/P Present State TA TB TC B A B C C 0 0 0 0 0 1 0 0 0 1 0 0 10 1 0 fot 0.0 0 0 0 A 600 01 A BC 00 111 A BC 00 01 11.10 11 0 T(X) TA = AB' + A'B = A & B TB = B'C+BC'=BOC T, = A'C'+AC (6.28a) Present State Next State Ip to D.F.F. ABC TA TB TO B 001 00 0 10 6 10 0 00 100 1-0 XXXX 1 0 1 00 0 0 -1 X X X X X 0 0 0 0 00 0 X X χ X X X ABC 00 01 11 10 A BC 00 01 11 12 10 χ TB=AB+C TA = ABB



7.25 0 0 0 11 10 A= YZ' + XZ' + X'Y'Z x 130 01 11 10 0 1 D B = x y + x'y' + y Z 0 1 1 D D = Z + X'Y PAL Programly Table

I/p to AND GATES

X Y Z A 0/p's B = xy + x / y + y Z

(7.28) F, = A'B + AC + A'BC', F= (AC + AB+BC)' = A'B' + A'C' + C'B' BB CC DA'BC'