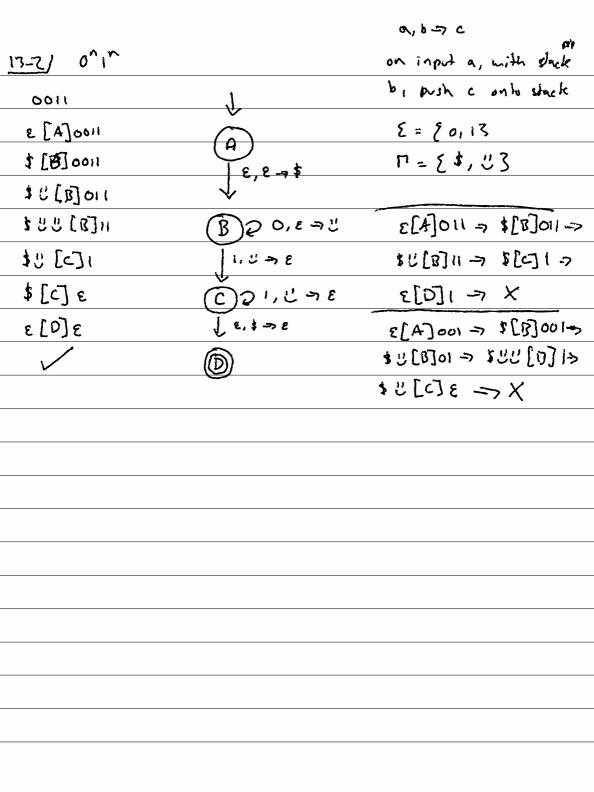
CFG 600 REX 13-1) Context-free gramanan context-free languages CFL 6-> REG CO DFAs push-down automata DFAs: (Q, E, go &Q, S'Q x E >Q, F = Q) NFAs: (Q, E, gofa, S:QxM(E) = P(e), FEQ) PDAs: (Q, Z, T, B.EQ, S: Q x M(E) x M(n) = P(a x M(n)) F = Q) < > States Stack input



13-3/ PDA: Q - friety set of states P E - an alphabet for input P - an alphabet for stack goeq - start state S: Q x M(E) x M(n) => P(QxM(n)) F C Q - accept states weL(p) iff E[go] w > x [go] E 3.1. gf FF we Ex, x en= BEP*, QEM(T) 9; eQ , ce M(E) S(8:, c, a) & (8:,8) we Ex, 8 EM(17) Ba [q:] cw = Br[q:]w q: 60

13-4/ Fogl: PDAs to represent an algorith for accepting CFLs PDAs an CEGs O YPEPDA, Fg + CFG, L(p) = L(g) 6 tg &CFG. 3p EPDA. L(g) = L(P)

