Homework M. - Abrudan Rebeca - 931 Consider the grammar: S - AB $A \rightarrow 01A \qquad \stackrel{?}{\cancel{E}}$ $B \rightarrow 0B \qquad \stackrel{?}{\cancel{E}}$ Construct FIRST, and FOLLOW, for nonterminals of the grammar First K = First K terminal symbols that can be generated from at Follow, = Next K symbols generated after A FIRST, Fo FI = F = Finst 5 0 0,1,8 0,1,8 A 0,1,E 0,1,E 0,1,E 0, 8 0, 8 FIRST, (S) = FIRST, (AB) = FIRST, (A) = (0, 1, E) FIRST2 (A) = 10,1, E) FIRST, (B) = {0, 8}

FOLLOW2 FOLLOW, (S) = E FOLLOW, A) = E and FOLLOW, (S) and FIRST, (B) = 0, E FOLLOW (B) = & and FOLLOW (S) LI=L2=FOLLOW 3 3 Ø 0 B FOLLOW, (S) - JE'S FOLLOW, (A) = {0, E} FOLLOW 2 (B) = { E}