5. (1) 0:5' -> 5. 2: 5 -> AS 3: 5 -> A.S 4: 5 -> AS. 5:5->b 6:5->b. 7: A -> · SA 8:A -> S.A 4:A -> SA. b: A → · a 11: A → a. 12) LR(0)项目集积范族 In: 5'3.5 5-AS S-b A-s.SA A-s.a $I_{i}: A \rightarrow a'$ $G(I_{3},a)$ $I, \quad S \rightarrow b \quad G(I_0, b)$ I, S'-> S. A>S.A A>SA A>G S-AS S-B I4: S A·S S ·AS S ·B A ·SA A ·· a Is: A -> SA A -> SA A -> a S -> . AS S -> . b Ib: A>SA. S>AS S>B A>SA A>.a 识别活前缀DFA: a a (3) 不是 Follow (A) = {a,b} Follow (S)= {a,b,#} Follow (S')= {#} 0: 5' >> 1: 5 > AS 2: 5 >> b 3: A -> SA 4: A -> a 对于 A ->· SA 属于Li, 且 GO (Li, a)=I, : Action [6, a] = 5, A -> SA·属于 I6, 且 a & Follow (A), . . Action [6, a] = 13 二、有移进-归约冲突 7. ①文法: 0: S >> A 1: A >> Ab 2: A >> bBa 3: B-aAc 4: B-a 5: B-aAb ② 构造 LR(0)顶目集规范族: GO[0,A]=1 GO[0,b]=2Io: S -> · A A > · Ab A -> · bBa G0[1,b]=3 acc $I_1: S \rightarrow A \cdot A \rightarrow A \cdot b$ I, A > b.Ba B > a Ac B > a B > . a Ab GO[2, B] = 4 GO[2, a] = 5 I3: A → Ab. 60[4,a]=6 I4: A → bB. a It: B-a.Ac B-a. B-a.Ab A-.Ab A-.bBa GO[S,A]=7 GO[S,b]=2 Ib: A→bBa. GO[7,c]=8 GO[7,b]=9In: B-aA·c B-aA·b A-A·b I8: B→aAc. Iq: B-aAb. A->Ab. (3) Follow (5)= {#} Follow (A)= (b, c; #} Follow (B)= {a} 可得 SLR(1)分析表 ACTION GOTO 状态 可得该文法是SLR(1)的,但不是LR(0)的。因为同一行(如状态与存在冲突)