Ertugul KANTAR frlugnd 05190000086 frlugnd 1)i-)S*={A,ab,bb,abbb,bbab,abab,abab,ababab,abbbab,ababbb...} iii-) yes, bbbbababbb - (bb) (bb) (ab) (ab) (bb) ES* IV-) No, bbbaab -> (bbb) a (ab) £T* ~ (bb) ba (ab) €T* V-) bbbbb ET* but bbbbb €S* abbbbET* but abbbb €S bbbabET* but bbbab £S*. {ab,bb}CT* VI-) ababes* and ababeT* abes* and abe.T*
bbes* and bbe.T*
bbbes* but bbbeT* abbbb&=S* but abbbbET* (2) i- Rule-1: aa EL - AA Rule-2:1f XEL-AA, then Ebx, xb, ax x az EL-AA · baabb -> 1 By Rule-1, aaEl-AA By Rule-1, une 1-717 By Rule-2, if aa EL-AA then boa EL-AA, then boab Bif boa EL-AA then boab EL-AA Pif boab EL-AA, then boab EL-A, 11-) Kule-1: [1,0] EL-NOTAA Kule-2: If WEI_NOTAA then &bw, wb, abw, wbo3 EL-NOTAA · bababir @By Rule-1, Q ∈ L_NOTAA PBy Rule-2, if a ∈ L_NOTAA then ba ∈ L_NOTAA By Rule-24, ba EL-NOTAA then boba EL-NOTAA 4 @By Rule-2, if babaEL-NOTAA, then bababEL-NOTAA 3)-)[b+(a00)]* 11-) 0*b0*b0*(b+/)0* 111-) a* [b(bb) *aa*]*[1+b(bb)*] IV-) All words with a suffix (a) or a suffix (abbbb). These words can't have any other suffixes. Y-) Words containing at least one (a) , and if there is more (a), the total (o) is odd. In any case they contain an odd number of (a)s.