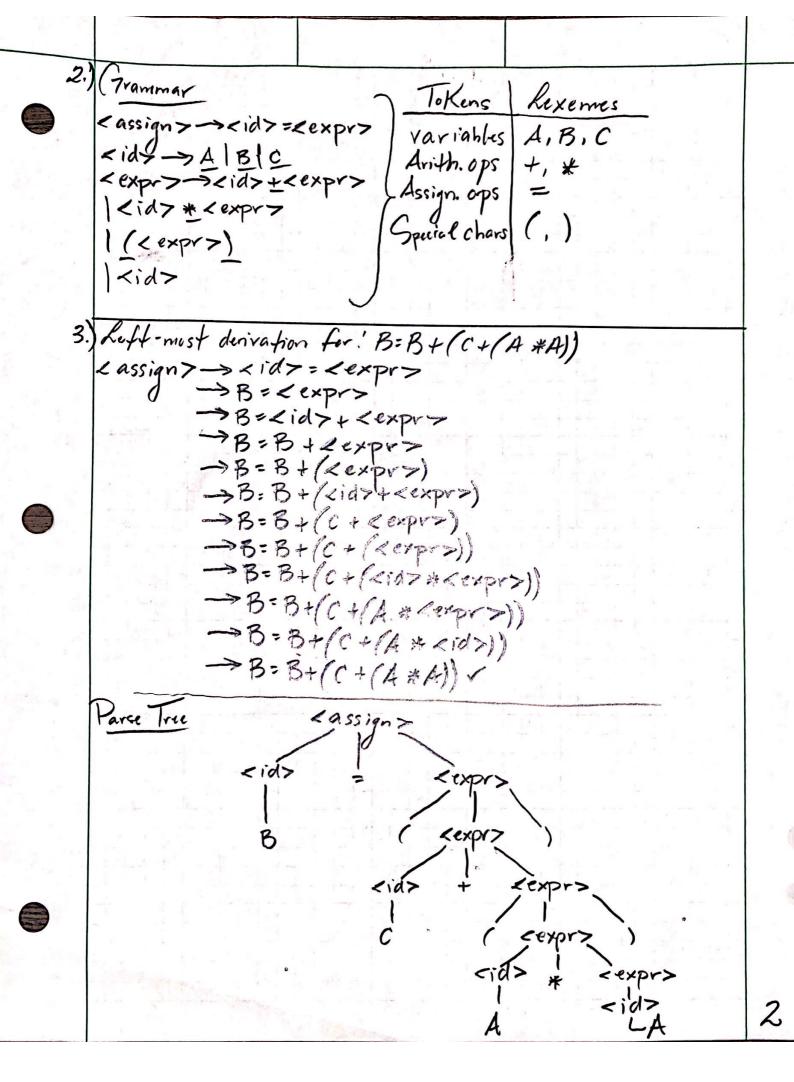
Book Secignment Lidas Oden COMP-3220 a) baab (Trammar. x5>->/A>a<B>b (A>>b «S>-> <A>a <B>b -> ba<B>b <A> -> <A> 6 | b 18>>a -> baab <B>-> a <B>/a .. baab is valid ! b) bbbab bbbab is not 157-7/A>a(B>b くムンーノムフし generated by the -><4>ba<B>b <A7-><A>16 Ogrammer, Oso is -><A>bba<B>b <4>>> 6 d invalid 1 -> bbha<B>b c) bbaaaaaa 157 -><A>a<8>b : sentence -> <A> ba<B> b .... <A> -> <A> b -> bba<B>b..... 15 invalid → bbaa<B>b.... (B>-> a<B> > bbaaa<8>b----<8>> -> bbaaaa (B>b --- 1887 -> a < B> -> bbaaaaa <B>b. -- (B) -> bbaaaaaaKB76-1687-a d) bbaab 15>-><A7a<B7b ツノムフbaとおフb レムアーライムフb (A>>b -> bha<B>b 1B76 -> bbaab .. bhaab is derived from the granimer and is there fore valid!



4.) (Trammar By removing the left recursion! A=A a (B => A=BA' 5->Aa 186 A->Aa |AbC |C A'= QA'/E B->5/66 (Trammer after removing the recursion! (->c S->AalBb A -> CA' A' -> aA' | bCA' | & B->5/66 ( -> c 7: "a' is common thru out grammar 5.) (Trammar A->aA' A->aBclacla; A'->BC/C/E B->6/aB So . - using left fectoring for grammer results in A - aA' A-Bolc/E B-76/08 O Closure: F'>F 6.) (Frammar E->E+T E->E+T/E\*T/T E-DE\*T T->(F) 1id F->T T->(E) T->id (continued on next page)

