Eliminating Ambiguity from the Gramman S -> AB/aaB A-)alAa It for a story, I am jet two paose tree or derivation tree, Soit is Ambiguous grammar. Voambiguous granmaz unell be A -> a/Aa 0-2 $S \rightarrow SS |a|b$ For the stony W= aaa for the story acce as have the parre tree. So this grammar is combiguous Joanmar Unambiguour grammar and be Language generated by the grammas and L(4)= L((a+b)2(a+b)) L= {aa, ab, ba, bb, aaa tuo or mose FA and be S ab A a, b B Right linear gramman until be SaAlbA A-)aB|bB B-ran | bB | X This is the gramman which is unambiguous S-AB A ->aAblab BrabBla WEab Tuo passe tores ax generated. So it is a tombiquoies gramman.

Language generated by grammar. L(a)= labo : n>1 } U] (ab) = n>0 } L= 3 ab, a2 b2, a3 b3 - - - 3 U3 x, ab, (ab), (ab) S-AIB A - aAb | aabb BoabBlx 5#5/505/a en that this ight associative @ left aerociative and the precedence of # >@ T & in lower procedence and IP left anociative TIP) # is higher precedence and right anociative

Closure properties of Context Free Language.

- 1) The intersection of two context Free languages, My not context Free.
- (2) The complement of CFL is not closed.
- 3) The intersection of a CFL and segular language 148 Context Free.

Ex $L_1 = \{a^0 | b^0 c^m : n > 0, m > 0\}$ $L_2 = a^m b^0 c^0 : n > 0, m > 0\}$ $T^{0}L_1, \text{ the grammon will be}$ $S \rightarrow AB$ $A \rightarrow aA | \lambda$ $B \rightarrow bBc | \lambda$