



« E (V+T)V(V+T) BE (V+T) { B #E } AaB > bb x Aa >bb V Note: In CSh we donot have any production to henevate empty strong E. i.e the Language which is genevated by (SG. does not contain 6 Type-2 Gramman - Context Free Grammon -) 9+ generates (ontext Free Language about) accepted by Push down automata. -) The Comman C is said to be Type(2) of CFG if the production is in the form  $\angle EV$ ,  $|\angle|=1$ no of variable and be BE(V+T) So at LHS only one variable, but at RHS no sestantim. CFG IJPe-3 Gramman CFL PDN

Type-3 Gramman - Régulas Gramman -> 9+ generates regular language cetich is accepted by finite automata. Left Linear Grammon Right Linear Gramman A-ralaB A-a Ba A, B EV, 1A-1=1B1=1 A, B = V, |A|= |B|= 1  $a \in T^*$