Content Free Grammar (CFG) Bp = finite Set of productions G= (V, T, P, S) (2) T = Set of terminals Variables 171= finite IVI = finite

VAT = Ø

G S = Starting Variable

S E V

4

Example: G= ({E3, {+, \*, (,), id 3, P, E}

P

60

D-3

P

e, 0, 1

t, 0, 1, 00, 11, 010, 0110, 101, 1001 -- etc.

P:- 9 9

Example:

P.

6,0,1,00,11,010,0110,101,1001-etc.

P

A -> RAX/E

A = ) RAX=) RRAXX=) RRXX A = ) RRXX G

$$G = (V, T, P, S)$$

Q

Example! - 
$$G_1 = (V_1 T_1 P_1 S)$$
  
 $V = \{S\}$   $T = \{a_1 b\}$   
 $P = \{S\}$  asb[ab]

$$L(G) = \{ab, a^{\gamma}b^{\gamma}, a^{3}b^{3}, ---a^{\eta}b^{\eta}\}.$$

(P) (8)