

(1) GIC\_1= (253, {a,b}, s, P)

Palinchomos

S-3 a 12 1 b 34 l a 1 b l lenbe

(2) \(\perp \) \(\perp

S-> XC LAY

C-> Cc Ic

A -> aAla

X-> axb lab

V-> b Yc I bc

(3)  $L = \{ e^i b^i a^j b^j | i, j > 0 \}$ 

XX (-2

x-> axb1b

- $(4) 1= \{ e^i b^j e^{k'} | 1 | k=i+2j , inj, k \geq 0 \}$   $S \rightarrow a Sc | X$   $X \rightarrow b X cc | X$
- (5) N(a) = 2 N(b) aba aab baa h S-> a Sa S b S | a S b S a S | b S a S a S | h
- (6) N(0) = N(1) + 1 010 10
- S-> AOA A-> OA1A11AOA Ιλ
- $(7) L = \{a^i (b+c)^k | K \} i, i=0 \}$  $S \to a S S | a S C | S b | S C | b | c$

2-> b2c 1 x

(9) L= {a' (b+c) d 1 ;+K>j, ij, K≥0}

A-> aA 1 x
D-> aD 1 x

(10) N(e) = N(a) 4 N(b)

S-> SYSc 1 c SYS 1 x Y-> a 16