Deolo Besuontentra panatura naputane Bueno OG= LE, V, S, R>, weglto:

* Z-upaña azogua * V-upaño ux-bo ot pponerruba * SEV- nazarra pponerruba * REVX(ZUV)*-upañno ux-bo ot npabura

Nounepu:

S-256 | E : 0.56

aasbb

aabb L= { a b b | n E /V }

L = 30 m 6 m c n+m/ m, n E/N } αŠι Z = 80,63 S->asc aa scc V = & S, M } S > M aa Mcc

MabMc R={(5,056),(5,M) aabUccc M → E aabccc Dego 3a nousb. Jest rpanotuus $G = \langle \Xi, V, S, R \rangle$ u $l \in \mathbb{N}$ geobarupane
penayueta $\Xi \subseteq (\Xi \cup V) \times (\Xi \cup V)^{*}$ ungyutubra * X & X , AXE SUV * Auo XEV, X; EZUV, 6 G unane npaburoto X→ X,... Xn u X; di za monon liEMU diE(EUV)*, to X 2 2, ... Ln, l= max 8 l1... ly 3 *Tyu ce baposta u crysaa E, T.a. max (\$) = 0, X & E x 4 Nou myriga (padota c peragueta bry menorus reparaturu), morrer ga numer n unero ha usnonzbareta rpanatura, nonpuner X 36 L, y 3 B * Also una LEN taubla, re X 2 L, to MOHEN ga zanumen u X 21 L

Dedo Ezun va rponerruba Neuro G= LZ, V, S, R> oferce. rp. u A ∈ V. Tordbo es mot no npon. A me ofege душте со сомо от азбунота Toraba ezumer na rpanatumata 6 L(G) = LG(S) Procamara rpo mensula Ezur L rapurane desnouteucter aus vous. desu rpanatura 6 tanaba, te 2 = {0061 n EN 3 e obezu. Tb[EzuwaT rpanatura S→aSB[E D-60: Pazrn.

1) L(6) E L Tpeoba ga novamen, re aus

L(G) = L:

Me nou, re

SALE E*, to LEL Ukgyuyus no l: * l=0: S2 S € 5* V * Neua e uzn. 3a menor lEN * Pagrn. S & LEZ* Toraba che parotture egno or npaburata: 1 cn. 1 S -> E, Toraba 2 = E = a°6° EL 201.15 > asb, Toraba 52,30 whoe BEE* 4 2 = aBb Or U.K. BEL => B=a"B" a d=aBb= - 0 a 6 6 = a 4 6 4 € L => L(6) <= L 27/ EL(G) Me nou, le 30 bleurs nEN:5 dans n T.e., le aux upissue gyus LEL, To 12 morte ga dege rerepupara ot rpanaturata

Dou. C unayour no h (no genhuhata na gymand, le odare e 2n) $S \stackrel{?}{>} S = S \stackrel{?}{>} E = a^{\circ}b^{\circ}$ $S \stackrel{?}{>} a^{\circ}b^{\circ}$, $u S \rightarrow aSb$, orwegero U.X. $S \stackrel{?}{>} a \cdot a^{\circ}b^{\circ}b = a^{\circ}b^{\circ}b^{\circ}$

Ja grannence:

ТВ Езингт L= 8d2 (en (d ∈ E*) е безиоктенстен: S-> a Sa (b Sb (E

We now, to L(G) = L: 1) $L(G) \subseteq L$. We now, to ano $S \not\subseteq B \in S^*$, to $g = 2d^{rev}$, ang. no ℓ :

V Neur S J LEZ*, npurosituem che: 1(4.) S-> E. Toraba d=E=EErev 2 cn.) S > a Sa, Toraba S > p 3a whose p E Z * u & = a pa OT U.K. n=BBrev u d = aBBrea = = aB(aB)rev => d EL 341.) S -> 656 - anaror. $2)L \subseteq L(G)$ lera oбратно с инаушили по d use pour re S HIH LEEN: * S \ S u ppu S >> E: S \ E = E E rev * d=XB, or U.X. S JBBrev 4 Tana ano LEL, to L=BBrev 3a monde BEE*, ho 3a B 3naen, te 5 21 BBrev t.e. LELIG)

3a uno: Pazrnegatre ezugure a gouarnere re la dezu: 1 ¿ an la cuta | n, a e M } & ahemambulu, m EM3 ganba n>u} €014++184 | U, t €/N3 Onepayen, za nazbanja obeznontenci-Never G; = < Z, V;, Si, R; >, i=1,2 Odequue nue: Ou= < \, V, UV2 US, S, R, UR2 U \((S, S,))\(S, S_2)\\\

S -> S₁|S₂ -> zanozbane ga renepupane gym b lgan or gbata gym b lgan or gbata lonua Tenanul G. = LE, V₁UV₂US, S, D₁UR₂US(S,S₁S₂)3 > 3bezga va Unufur $G_{*} = \langle \xi, V, U S, R, U | S, SS_{1} \rangle, (S, E)$ 3 $S \Rightarrow SS_{1} | E$ 30 yrp. worse go gou, Te $L(G_{0}) = L(G_{1}) \cdot UL(G_{2})$ $L(G_{0}) = L(G_{1}) \cdot L(G_{2})$

2(6x)=L(6,)+