Hopranua opopusa na Yonaun Me le coma parsonna 6=(N, ZI, S, R)

we varbone re e b vogu, aus

(HA>GLER) [ILI=2] papera )

Bones bc. KCT G. orangolyla KCT G b

Hoy, sanda re za br. W e 14122 e

Bonna, re wel(6) = WEL(G') Arroparan: G=(NJZJS,R) e UCT. I. Barealore realonna or longe A > Xa ... Xn c A > X2 A2, A2 -> X2 A2 >-- > An-2 -> Xn-2 Xn 39 AL-An-2 & N. II. Maxane e-reburases. 1.08pazylone E=ZBIB+\*E3 2. Tipenaxibane Bc. apalonna or Guega A->E 3.39 Bc. BeEm Bc. A->BC una A->CB apsolve A > C.

III. Tipenaxbane na npalenna c garna copana copana communa 1. 1. 32 HXENUZ's soprazylones DCX>= {YENUZIX+\*YS 2. Tiperaxbare Br. noennenglæruge polonna 3. Zone colore br. npalmo A>XY c ASXYY Ze X'EDCX) n Y'ED(Y) 4. 30 varanen unlæn S gobalerne 5-xx'y/ za bc. A > X'y', messoo Tenner: Hena (= (25, A,B3, 2a,B3, 5,25-A1B) ADE [Aab, BDS]aBb3) I. Tpenaxbare inpalmana, wours a c grana SAIB ADEIMAN ADDABA BDDABA BISB

J. Mascare E-npalmara. 1. E= 3A,S,B3 2. Menarborne E-ralmaga 5-3 A1B A->AA1 Ansab B-57aBa BIOBA 6c. A-3BC unn A->(B) 3. Za Bc. BEE 25 obare A>C SAIB A-DAAI AA ALDOB B->5/aBa BA > Bb 1b 1. Therasbaree palenna Ta c gana aparen = 1 1. 0(a) = 2a5 D(P) = 163 D(S)= {A,B,S,A,} O(A) = 2 A, A, 3 D(As) = 2 A2 3 O(B)={5,A,B,A15 D(B1) = 3B1, b3

"npenneny banger "npelenne 2. Neuarbane ABAA An >ab 13-> a B1 B1 -> Bb A>XY C A>X'7'za 3. Zane & bane br. X'ED(X) ~ Y'ED(Y) A->AA2| A2A2 Azsab 13->aB1/ab B2->Bb15b1Ab1A2b 4. Dobabare 5->X'7/ za ba A->X' )/za AED(S) S->AAI IA a Azla Balab A-> AAI ALAL A2-> ab Balab B2-> B61561A61A66

CYK Anropuran 71ena G=(N,Z,S,R) e UCT 6 H\$4. There.  $w \in \mathbb{Z}^* = gyra c |w| = rz$ , wageso  $n \ge 2$  n rena  $w = a_1 \dots a_n$ . 1.3a br. i.je { 1,-., n } , i = j obpansforme NIIII = ZBENUZI | BHZ ai - aj 3, Wegero NEIJEIJ= 2013 2. Or robate 6 e 0 HD4 more, re 20 br. i < 1 Atga:--ai 7.c.7.k. (3A>6XY)[XH6a:-an &YH69m-ai] Cneedbaienne nomen es urberen lepteznana NCIJEJJ = UJES (EJELIJE) (EJELIJE) (EJELIJE) [B-ZXY] we2(6) 3.0.T.K. 3. Tonda mare, Te SENELIEIWI]

Jemep: S-> AA1 | A1 A2 | aB1 | ab A> AA1 | A2 A1 A1-> ab B-> aB1 | ab B1-> Bb| Sb | Ab | A2b

Novere ea reserve gann w= a a bb (2/6)

1 2 3 4 Seneral

2 2 3 S.A.B B1

3 5 D

N[1][3] = {B|B->XY, X EN[1][1], Y EN[2][3]}

U {B|B->XY, X EN[1][2], Y EN[3][3]}

N[2][4] = {B|B->XY, X EN[2][2], Y EN[3][4]}

U {B|B->XY, X EN[2][3], Y EN[4][4]}

N[1][4] = {B|B->XY, X EN[1][1], Y EN[2][4]}

U {B|B->XY, X EN[1][2], Y EN[2][4]}

U {B|B->XY, X EN[1][2], Y EN[3][4]}

U {B|B->XY, X EN[1][3], Y EN[4][4]}

Babenemura: Ha moro neuro , za ga ce npurara CYK e Boznicomma inegnara gedonnunge na HPY. My Henra T=(NJT, 5, P) e U(T. Poreloa Te 6 HP4, and be npalmo e or buga DX->a 3) X->XX CYU 6 rogu or yrani 1. N[i][i] = ZAEN | X >w; EP3  $32i=\overline{1.101}$ 2. N[:][j] = {AENI(3ke}i...,j-13) (JA-XXEP) [XeNli][k]& 4 ENCK+17[9] Uger: Viorano recuerare NSiJLJJ 21--- 21/2442--- 2j. Trasba ga una XE di-dh & YEdun --- dj o 9.0. XENCIICMI & JENCHATITIE

Japana / Tipunep)

Vaio unnonglace CYK, npolapere

gann baabae L(r), usesso

F=(25,A,B,C3,7a,b3,5,2

S=ABIBC>

A->BAIA>

R=>C(lb)

C->ABIA3)

 b
 2a
 b
 a

 b
 2B
 3 {A.S}
 Φ
 AS.A.C3

 a
 {A.C3
 2B3
 2B3
 2S.A.C3

 a
 {A.C3
 2S.C3
 2B3

 b
 {A.C3
 2A.C3
 2A.C3

s baaba el CG)

Cnomnocr B na ii - nomne congrain