BEZKONTEXTOVE	JAZYKY
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- sestable hest gramabilm, Aleta generaje jary?

L= { 2 a 2 a 5 b 2 5 m 2 l m, m ≥ 0 }.

Uvosajte par vietu z aza bba bba, seslavle pro milevom derivam, derivam strom 9 tuátornele v nem fráze, jednoduche fráze a l-frázi.

-P: S->2AB2 A-> aAa/2 B->6Bb/2 6=(2S,A,B4, 29,6,23, P,S)

- S => Q ABR => EARABR => EARABR =>
= arabbebe => rarabbebbe => rarabbebbe

- det strom:

5 mjen, frålemi

a A a b

l-fråle

fråle

gduodnehe frå

Idstraneru' nedoskupných a zbyleiných symbolii
XENUZ je nedoslupun GJ JX, BE (NUZ): S > XXB
XENUZ je vedeslupuj Got JX, BE (NUZ)*: S\$XXB XENUZ je zbyleinj Got JX, BE (NUZ)*JWEZ*: S\$XXB\$W
- Motranery rogleenich symbolu
1. Floustru by se un-a Ne neletin. gen. term référe Nt= 8 AEN ** FWEZ*: A \$ w 3
Nt= { AEN (ME JWEST: A SW3
Ut se porcéla élevatione:
$-N_{\pm}^{0}=\emptyset, \dot{c}=0$
- N= 8, (=0 - N= 1 = {A=N 3 (A=x)eP: xe(\(\frac{2}{2}\)\)\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Ne sot - Ne
$V_{t}^{(t)} + V_{t}^{(t)} = V_{t}^{(t)}$
2. Odstrouie visely neserially sleve negson v Nt (mios) © providle zalozerá na ledla symbole d
O providla zalozená na Ledla symbolad
3. Zous muye se unost a costajo an office a.
Vo = 283, C=0
EVIEN = EXENUX 1 3(A > XXB) EP: A EVI, X, BE(NUZ) + J UV.

Odstroni-e Medplagne' synboly a pravidla na nich Mêre gramatien 6=({S,A,B3, {a,63,P,S), lede P: S=a|A,A=AB,B=5 Odstranse Ebyleine symboly (algoriturichy). NET = ES, B3., NE = ES, B3 = NET = NE 2. 6'= (ES, B3, Ea, 63, 25-a, B-53, S) Vo= ESI, Vn= 20,53, V2= 20,53=Vn=V G" = ({S3, 2a3, 2s > a3, 5) Odstranem E-providel NE = EAEN / A SE & - Zapiste alg., Elery upporete NE. (X = EE 3 Votago: beel gr. 6= (N,Z,P,S) Vystop: NE = EAEN | A => E3 treloda: 1. No. = 0, i=0 2. Net = EAENI J(A-X)EP: QE(NE) 3

3. j-li NE = NE pal loule a KE = NE jival i++ a preched na beel 2. Odstroueru E- monidel A - x₀ B₁ x₁ B₂ - x_n B_n x_{n+1} gld B₁, F₂ - B_n ∈ N_E nabradue a 2 providel del, se masse vsedy lombinace Bi ZE - Algorithuich odstrante & providle & granality
s providly: S -> BC/d B-> DI bCdS 5- Clas NE = 0, Ne = EC3, NE = EC, D3, NE = EC, D3, NE = EC, D, B3, NE = EC, D, B, S3 = NE = NE - nora prepisoroei providla S-> SIE (hde 5' g'nong' st. symbol) S -> BC (CLB (X) d B -> DIXI 6 CdS | 6ds | 6Cd | 6d $C \rightarrow f \times$

i.

D-01× 108 19 Odstranem gednodadyde providel (A>B, A, BEN) - HAEN spréhe NA = { BEN /A >BS - nåslede HB > x, Ide x fN, majde vsida A EN Lelena, ve BENA, doplie A > x (måslede myposhie jodu. pran.) - Ugpaal NA: -NA - EA3, ==0 - WAT = EBEN / 3 (C-) XBB) EP: CENA , X, BENETS UNA - Odstrønte jednodudra providla a granetil, Ileta vznikla v predetosim prillade a ma tedy providla: S-> BC| BICID bdS| fCd | bd 6-5 Clabla - N° = 0, N° = ES3 = N° = N° No. = 25/3, No. = 25/53, No. = 26/5, B,C3, No. = 25/5, B, C, D3 = No. = No.

Ns - ES], No = ES, B,C3, No = ES, B,C, D3 = No = Ns NB- 2B3, NB- 2B, D3, NB= 2B, D, C3=NB=NB N° = EC3 = N° = N° ND = & D3 + ND = & D, C3 = NS = ND s' > BC/d/bCds/bds/bCd/bd/f/aB/a/E S -> BCIdIbCdS/bdS/fCd/fd/f/aB/a B- 6CdS/fdS/fCd/fd/5/aBla D -> ablalf Zopriste algerituus testu; tota dana' gramatika obsaluge 6 = (N,Z,P,S) berl. granaliler ANO, poled 6 absolute yellers (FAEN: A => A) NE final Meleda. 1. Vyporte Ne 2. Lovedeure relaci & CNXN Lat, te YA,BEN. APB & J(A→XBB)EP: X,BENet. 2. Vypoile et upr. Warshallough alg.

4- AND, je-li AEN talend, re ASTA Odstrauery live returne (A => Ax) - odstronem prine levé velure A > A Ky | --- | Axm | By | --- | By. A > Axin > A KizKin > D. DAXINKing ... Kij >> A > Bn (--- | Bn | B, A' | --- | Bn A' > Bjoxin - xin A > x1 --- | xm | x1 A | --- | xm A | - report à levai vel: prevede se na primon dosazonal. - Méjre granatikus providly S-> Sal Ac 16 Odstraule levou vekurzi (algoritich) - S -> Ac | b | Acs | 65 odstrauen pri e' leve vel, na symbolu S S' -> a las! A -> Sd If - prievod repri-e leve vel ra prilon: S -> Aclb | Acs 16s1

SI-> a (asl A -> Acd | bd | Acs'd | bs'd | f - odstranem Princi Pleve velurse ma By boln A S > Ac | b | Acs | bs | s' > a | as | A > bd | 65d | f | bdA | 168dA | fA | A) > cd | cSd | cdA | cSdA | "y'sledner" - Chomshelo NF: A>BC|q (prip. S>E) - Greibachene NF: A -> ax , XEN+ - Mèje gramatilu s providly A S Bc C/d Da Da D B- aBlCd/L C -> bBla. D -> dD/c Prevedle de GNF (algoritario). 1. Odstroné ! E-providel a levé velurce - v-tombo pripado nedejde le zuiène 2 - Lestourie relaci < ENXN Lakovou, te

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ASIAYEXE PXXX - U nasem pripade: ALB B~C (7 A) BcC) (7 B-> Cd) - Relaci < zupluine lik. sprisohen propor. A<B<C<D Dosable providle do sebe od nejv. sybolu, pold as leve stree prové str. prep. pr. je neber. A > Bcc | d DaDa b B- aB | bBd | ad |. It dosaten' C providel C-> 6B(a D> dDlc A > aBcc / bBdcc / adcc / Acc / d DaDaD B -> aB | bBd | ad | f C -> bB | a (dovasence B prendel) Bodble Odstrouvie termially, Sleve nejson na lene posici more stren : A > a BCC 16 BDCC 1 a D'CC 1 F C'C 1 a DA'DA'D cl>c > d Al>q Book | bBD | ab | L

- Méj-e 6= (ES3, Ea, 63, ES> aSb | E3, S) a L= 2a464/u203. Odlaste re L(6)=L. Duker: L(G) E L: Induku & délocislara. Volledom & Lonny, delly stand induled pres suda visla. - båtorn' pripard: i = 0 Jedie slovo dély 0 j E, ale vie, le E E L, prohete E = a'b EL (prom=0) - judutimi kvol: - Predpatlaideper te torreur plah pro liberahe! slavo WEUG) sudidely panej se i (=0. - Uharèle se torreur plah i pro slava delly it? - Slovo delhy i+Z absalze alespon dra sylvoly a ledy vsile deriven S ⇒ a Sb ⇒ a w b; Na rallade ind. medpoleledy mil, te WEL (vice toliè ce s s w a lw = i \(i \) .

- Z WEL Me, Rè W= anby pro n≥0. Ouse a anby b= ambus eL.

LEL16) Indulu' na déllay i slava e L, pricès z def. perdid h plye, të relëze E L men della sudon sudon (2nede L= & amb (N203, Ledy lw = Zn, N20, pro liberale we L) a tedy poshan indulee pres suda ciela - båzonj pripad (i=0). Plahi prolexe jød j rélieur dilly
0 je & or (S>E) CP a ledy & EL(C). -Predpolla'dej-e, cè trosení plahi pro slove WEL fedora', ce |W| & i pro nejsle' sude' i'20. - Oliable, se pat plah' i pro WEL, Ide |W|=i+2. - ledèter weh later, tè lul= i+2, na pedelin a b po nejate n = 0. - 2 John to i+22 2, we to m21, ledy be w vorepsal jako a an 1 6 h

- Ovse | am1 bm1 | = i aledy me am1 bm-1 se noldse ind. Fedpolled aledy am1 bm1 e L16), wholi S= am1 bm1

- Part all mice donotruberal derivaci:

S > a(S) b = aam1 bm1 b = am1 bm

a ledy am5 e L(6).