## LFTC - SEMINAR 9

Ambigator descendent cu revenire

$$(2,i,\alpha,\overline{\alpha_{j}\beta_{j}})$$
  $\frac{1}{\alpha_{j}}$   $\frac{1}$ 

$$(2, i, \alpha, a_{j}\beta)$$
 | insucces de moment  $(r, i, \alpha, a_{j}\beta)$ 

$$(\pi, i, \alpha, \beta)$$
 revenire  $(\pi, i-1, \alpha, \alpha, \beta)$ 

Nu functioneasio dacă gramatica e rucurenta la stânga! (backtracking)

I. Fie gramatica:

Folorind analizatorul descendent cu reveniri verificați dacă:

a) (2,1,8,5) perpandore (2,1,51, a565) parans (2,2,5, a, 565)

1 expandary (2,2,5,a5,, a56565) [insuces de (7,2,5,a5, a56565)

(5) (2,2,8,0,0) insucces de (7,2,5,0,0) asb5)

(2,2,5, a53, c65) | arams (2,3,5,a53c,65) | arams (9,4,5,a53c6,5)

| expandore (9,4,5,a5,a5,o55,,a5,6)| insucces de (x,4,5,a5,c53, a565)

| alta încurcara (2, 4, 5, a 5, e 652, a 5) | insucces de (12, 4, 5, a 5, a 6) | moment (12, 4, 5, a 5, a 6)

(2, 4, 5, a 53 c 6 53, c) favans (2, 5, 5, a 53 c 6 53 C, E)

) succes (t, 5, 5, a5, cb5, c, E) => acbc eL (6) si Si, S3, S3 giro de prod. coresponentor

b) (2,1, E, 5) perpandare (2,1,51, a565) pinsucces de (2,1,51, a565)

| alta incurcare (2,1,52, a5) | insucces de (52,1,52, a5) | alta incurcare (2,1,53, c)

| avans (2, 1, 5, c, E) | insuccis de (7, 2, 5, c, E) | revenire (7, 1, 5, c)

1 allo inversore (e, 1, E, g)

Inaliza pentru gramatica:

S-> + 55

S-> - 99

S-> a

Si suventa + a-aa.

(2,1,E,5) perpandore (2,1,51,+55) pavans (2,2,5,+,55) perpandaru (2,2,5,+51,+555)

moment (10,2, 5+51, +555) (1) (2,2,5+52, -555) (moment (10,2,5+52, -555)

(2,2,5,+53,a5) | avans (2,3,5,+53,a,5) | expandare (2,3,5,+53,a5,+56)

induce. (10,3, Si+ 53 a 51, + 55) | a.i. (2,3,5+53 a 52, - 55) | avant (2,4,5+53 a 52-, 55)

| expandor (2,4,5,+5, a5,-5, +555) | imsucc. (1,4,5,+5,a5,-5, +555)

(2, x, 5, + 5, a 3, - 5, - 555) (mouce. (7, 4, 5, 5, 5, 5, a 5, a 5, - 5, - 555)

(2,4,5,+5,a5,-53, a5) Javans (2,5,5,+53 a S2-S3 a, 5) + expandore (2,5,5,+53 a S2-53 a S1,+55

Pinsues de (7, 5, 5, + 5, a5, - 9, a5, + 56) | a.i (2, 5, 5, + 5, a 5, - 5, a 5, - 56)

imouce de (17,5, 5, + 3, a 5, - 3, a 5, - 55) /a.1 (2,5,5,+5, a 3, - 5, a 5, - 5, a 3, a)

| avans (2,6,5,+53a52-33a53a,E) | succes (t,6,5,+53a52-33a53a,E)

=> +a-aa & L(6) si virul productilor utilizate este: 5, 53, 52, 53, 53