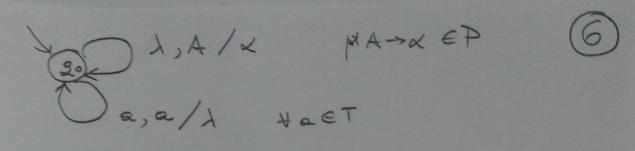
En | Construiti APD penteu L=2 alubn | n > 13 (8) I de la la a introduc A modivira - cu et suplimentaria - la la se relimibé etersa - se su mai extresa à la sterge A I de 2 /- a introduce A in stiva L-le prime b-se soluirle storce - et e m mai (20, a/b, 20) - (21, ab, 20) - (20, ab, AZ0) - (g1, ab2, AZo) - (g0, b2, AAZo) -- (g2, b, AZ) - (g2, \lambda, Zo) - (g2, \lambda, \lambda)
- (g3, \lambda, Zo)  $a, \frac{1}{2}/AZ_0$   $a, \frac{1}/AZ_0$   $a, \frac{1}{2}/AZ_0$   $a, \frac{1}{2}/AZ$ 

-penton 2, - penton showent 'a' - doce of stiver (4) este A' - il stera elfel blocare - pt st encent b' - doce of strivei e'B' il storg altifel blocarce abac ba (go, abècbà, Zo) - (go, bècbà, AZo) -Н (go, bcba, BAZo) Н (go, cba, BBAZo) - (p1, 62a, B2AZo) - (p1, 6a, BAZo) --(g,,a,AZ) -(g,, ),Zo) c, X/X + X € {A,B, Zo} 1, Zo/20 > (22)



Ex: pt G 5 -> a5b/ab constraint, APD A echivalent (L(G) = L(A))

(20, a<sup>2</sup>b<sup>2</sup>, 5) [- (20, a<sup>2</sup>b<sup>2</sup>, ab) - (20, ab<sup>2</sup>, b) + (20, ab<sup>2</sup>, 5) - (20, ab<sup>2</sup>, 5)

[ (go, ab, abb) - (go, b<sup>2</sup>, b<sup>2</sup>) - (go, b, b) - (go, h) [ (go, ab, asbb) - (go, b<sup>2</sup>sb<sup>2</sup>) - (go, b<sup>2</sup>, abb<sup>2</sup>) + - (go, b<sup>2</sup>, asbb<sup>2</sup>) + 20) 2,5/ab s -> ab a, a/l recumsoste a b, b/l recumsoste b

T. L(APD) = L(CFG)Simbisjele recumerante de automatele push-down(atmo)

mut luibajele generate de gramaticile midrependente

de content (eg<sub>2</sub>)

pt + G  $\in$  CFG =>  $\exists$  A APD ai L(G) = L(A)[Alg](N,T,S,P) (B, $\Xi$ , $\Gamma$ , go, Zo,S)  $\Sigma$  go] T NUT  $\Im$ 

B I dee interes intra

- doca of stivei e neterminal -> se pune in stiva

membral dreapta al mei productii

(re informente neterminalul ou membral dreapta

al unei productii -> se simuleana derivarea !

pe automat)

- of stivei a terminal - mili

- doca of stive e terminal -> verific doca s-a

Stimt simbolul current din aurantul de intrare

doca-da - re elimina din stiva (e recunescut)

-mu - se blocheorie -> s-a produs alt aurant

 $S(g_0,\lambda,A) = \{(g_0,\alpha) \mid A \rightarrow \alpha \in P\} \times A \in N$   $S(g_0,\alpha,\alpha) = \{(g_0,\lambda)\} \times \alpha \in T$