5. Fre gramatica en	urm reguli de producție	
3-251 65		
5-ag	2 0 11 000 1	1 - 2 9
5-70	3 => la augumented grammar adaug &	
S1 > a S1 6 S1	4	
9120	5	

goto (I2,a)

a) Constructi edectia camonica si tabelul de analiza LR(1). Gramatica este LR(1)?

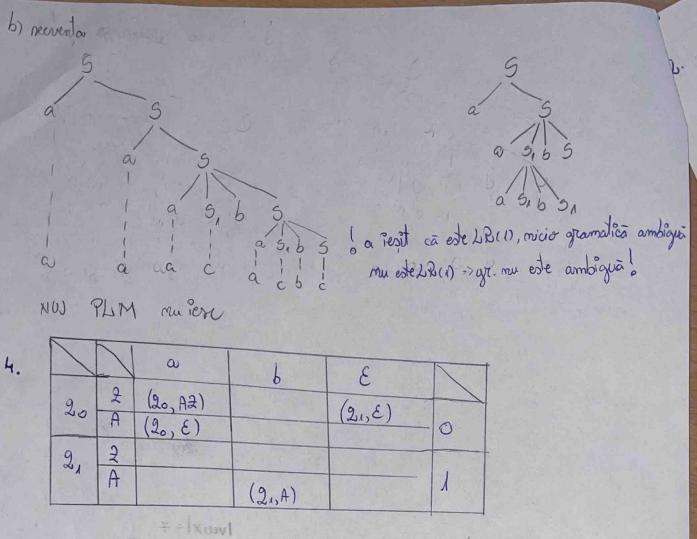
b) Gramatica et e ambigua? gusificati! To: S' → . 5, \$ 5 -> . a. 51 6 5,\$ 57.05,\$ 5-> · c,\$ goto (Io, S) I,: 5'→5.,\$ goto (Io, a) T2; 5 > a. SI 65,\$ 9-) a.s. \$ 51->. a 5, 651,6 Si->.c, b 5 -> a 51 65,\$ 5-3, 05, \$ 3->.c,\$

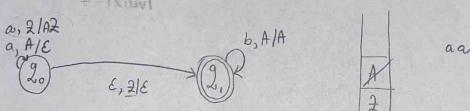
goto (Io, c) Iz: 5-> c.,\$ golo (I2, 51) I4: 5-) a S1. 65,\$ golo (I2, 5) Is: 5-> a S., \$

I6: 9, -> a. 5,651, 5 9->0.5, 65,\$ (5-)a.5, \$ -> TE S, 7. a5,65,6 5, -, 0,6) (5>.a5,65, \$ 5-05,\$ 5 > . c , \$ golo (I2, c) Ix: 5, > c., b 5 > c., \$ golo (I4, b) Ig: 5->05,6.5,\$ (9 >, a 5, b 5, \$ > 1/2 5 . c, \$ > I3 goto (I6, S1) Ig: 5,-2051.65,6 5-)051.65,\$ 900(I8,5) In: 5-05,65.,5

golo (Ig, b) 11: 5, > a 5, b. 5, 6 G-> a 5, 6, 5, 5) -) Tio (S, -), a s, b 5, b 3, ->, 0,6 57.a5,65,\$ goto (I,, 51) In: 517 a 5,651., 6

215.						
	ACTION				6010	
STATE	a	b	C	\$	9	91
0	52		53		1	
				ACCEPT		
2,	56		57		5	4
3				九3		
4		58				
5	52			12		
6	96		54		5	9
7		几5	11	773		
8	52		93		10	
9		SM		- 1		
10				17.1		
11	96		54		15	10
12.		74		101	.0	12





nu e dileuminist j. ca avem 2 moduri sa ajungem in stare firmala.

I. prim adaugoru mr. par de a-uri apai mergem in g.,

I. prim trucere direct im 2.

```
persenja 0000 111 4(6)
2. 5->OAI
    A ->051
    A >a
    L= { 0 2m+1 a 1 2m+1 | m e N }
   îmericam: cu lema de pempare l'imb. independent de context
    2 = UV' Wx'y
   2 3 m
    2 = UVWXY
    Ivwx | < m
    vx ≠ &
                                                    alegem m = 7
                                      2=0000 111
   2=0000 111 => m < 7
                                      W= E
     u = 0
     V = 00
                                      V = 00
                [vwx]= 5 => m≥5
                                                  1vwx = 4
    W=a
                                     w = 001
                 alegem no = 6
    X = 11
                                      X = 11
     4=1
                                      y = E
  2=0(00) a (11) 1
                                     2 = (00) 001 (11)
                                      1=0 >> Oalel yiel
    1=0 => 001EL
     1=1 => 000a111EL YEN
                                     9=1=20000111 EL
tiell => 2=0(00) a (11) 1 EL(6)
 i versseure: 1=0 => 2 = ca1 = 2(6) ... A"
          5->0A1 -> 001
 1 demonstratie: pp 2(k) "A" => 2(k+1). A"
   2(h): 0(00) a(11) 1 e L(6) => 7 o derivore a lui 3 care va oblima o(00) a (11) 1
                                                         ( 5 = +> 0(00) Ra(u) R1)
   acum pt 2 ( k+1): 0(00) k+1 av (11) k+1 1 = 000 (00) k a (11) k 111
```

(aka 7 oderiv. a lui 5 care sã obtina asta)

1. La compilare, cuvintele cheie sunt recunoscute in timpul: analizei lexicale