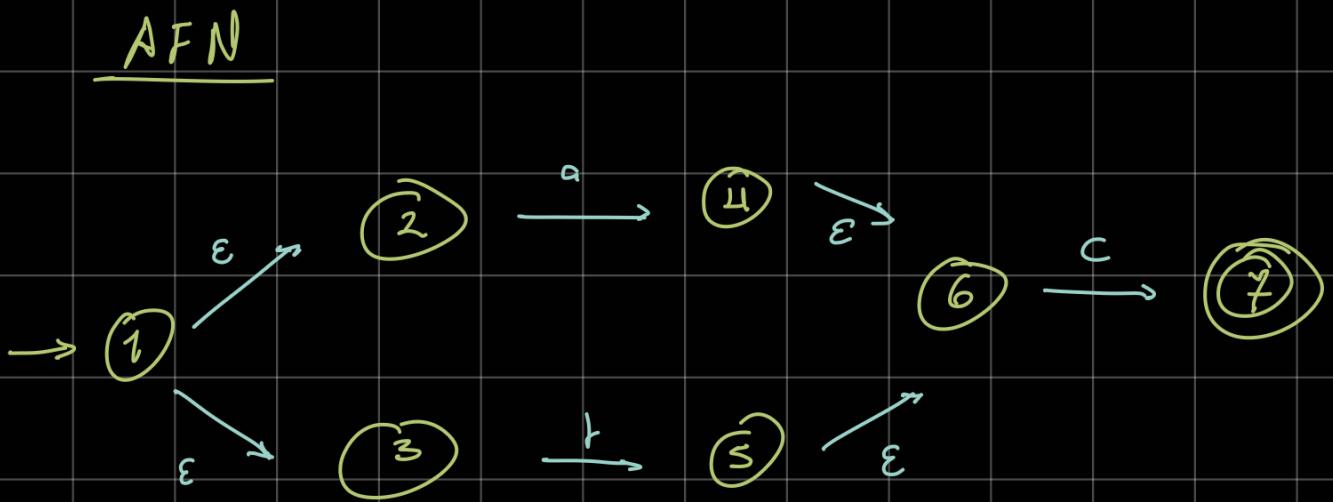


a) $(a \mid t) c$



Tabla

	a	t	c	ϵ
	1			$\{2, 3\}$

A $\{2, 3\}$ 4 5

4

6

5

6

B

6

7

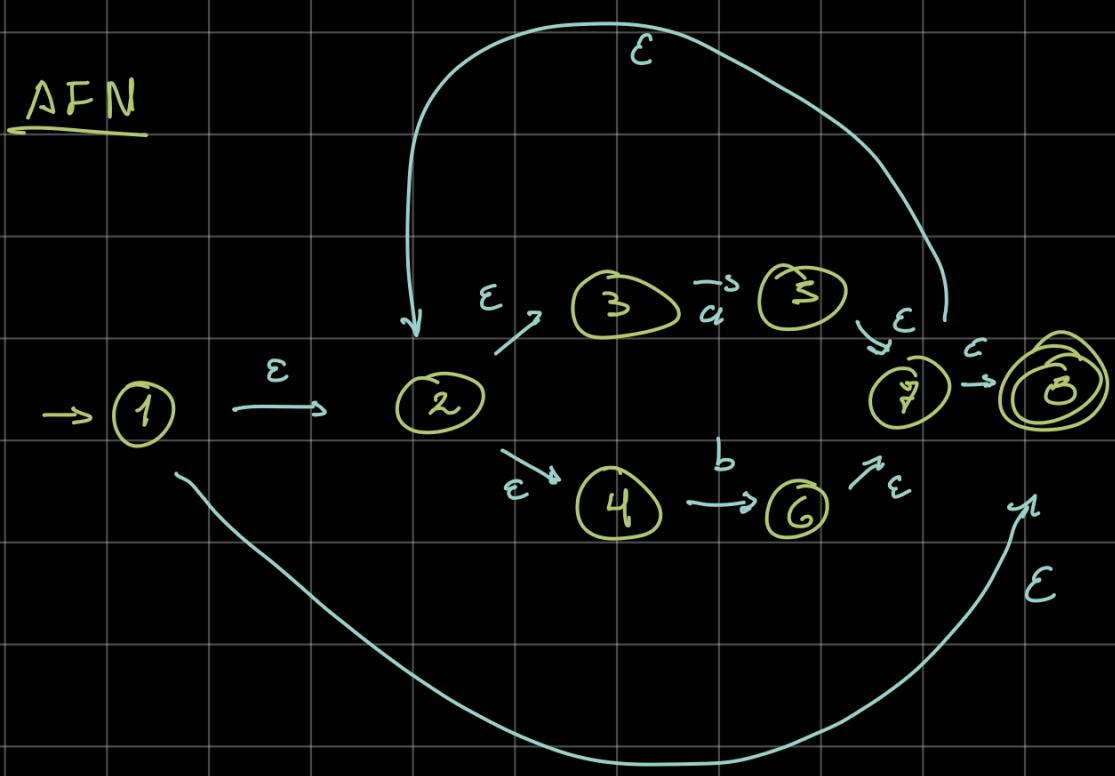
C

7

AFD



b) $(a \mid b)^*$



Table

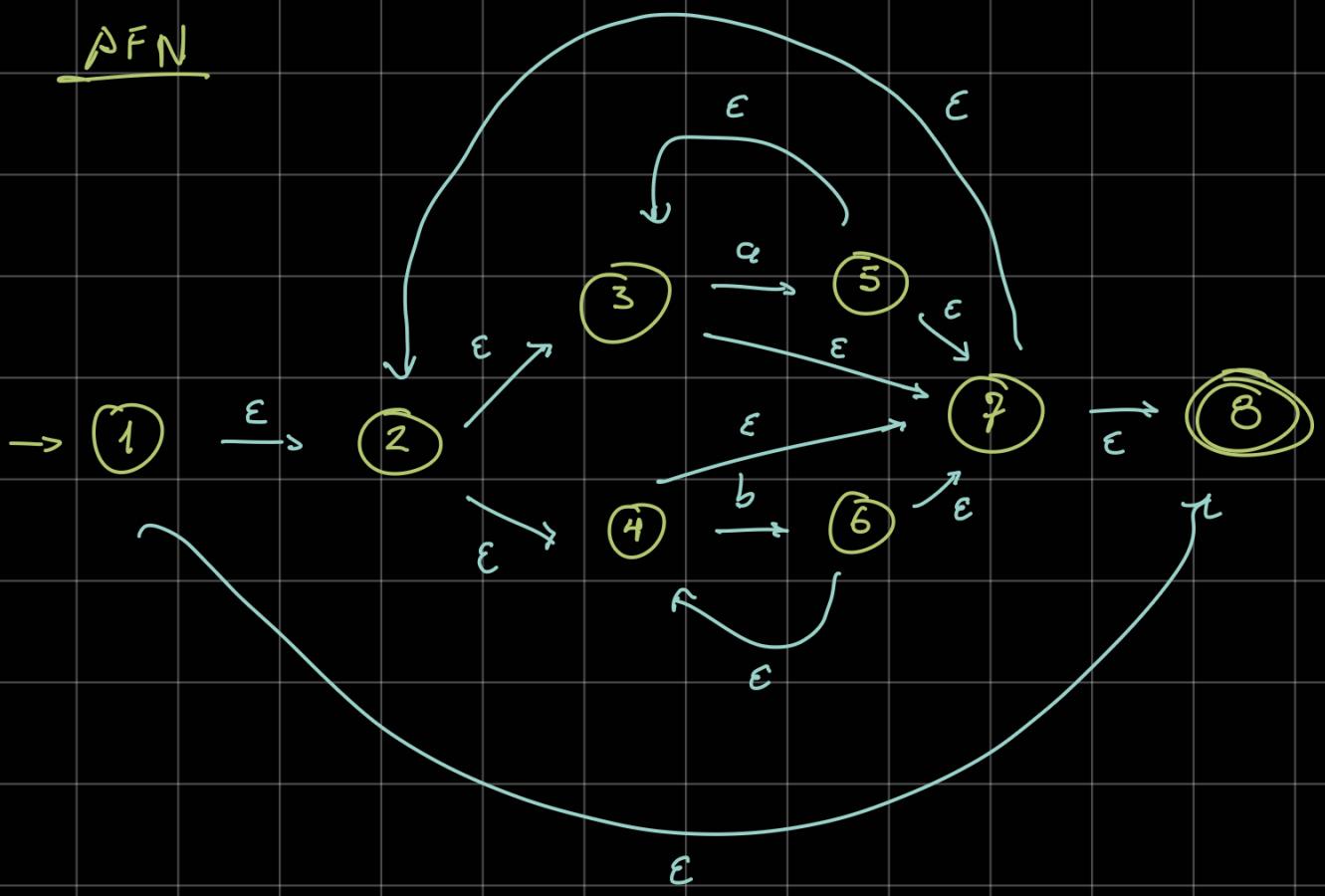
	a	b
\rightarrow	$\{3, 4, 8\}$	$\{3, 4, 8\}$

AFD



c) $(a^* | b^*)^*$

AFN



Tafel

	a	b	A
$\rightarrow x$	$\{3, 4, 8\}$	$\{3, 4, 8\}$	$\{3, 4, 8\}$

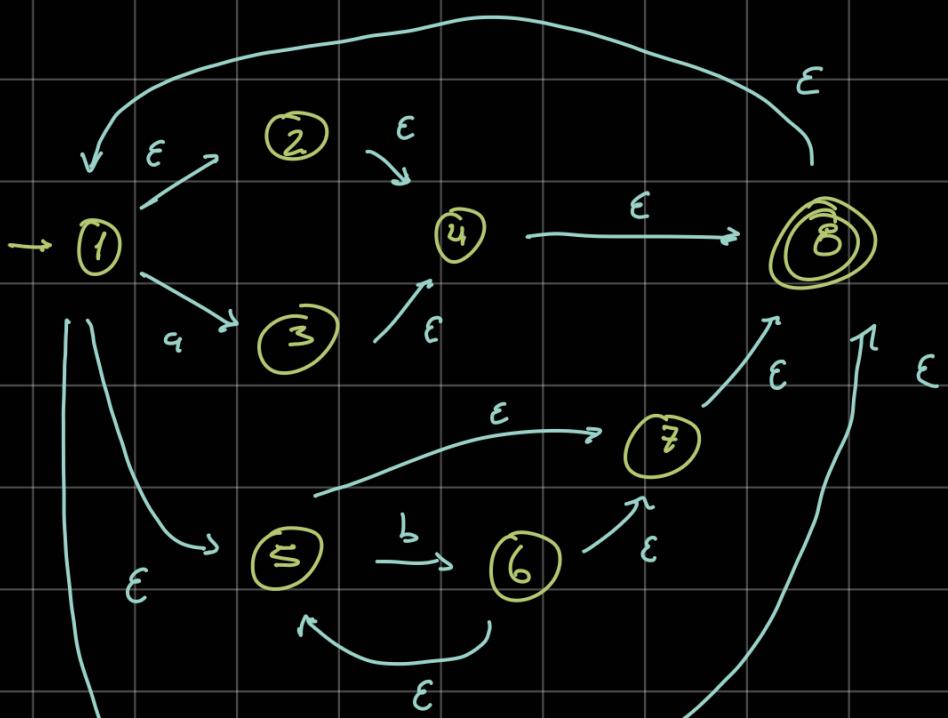
AFD

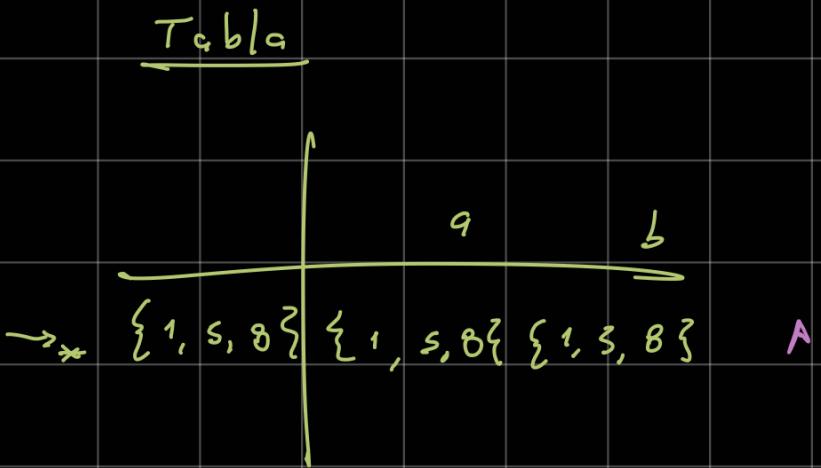


↓)

$((\varepsilon | a) | b^*)^*$

AFN





PFD



c)

$$(a|b) * \text{abb} (a|b) *$$

AFN

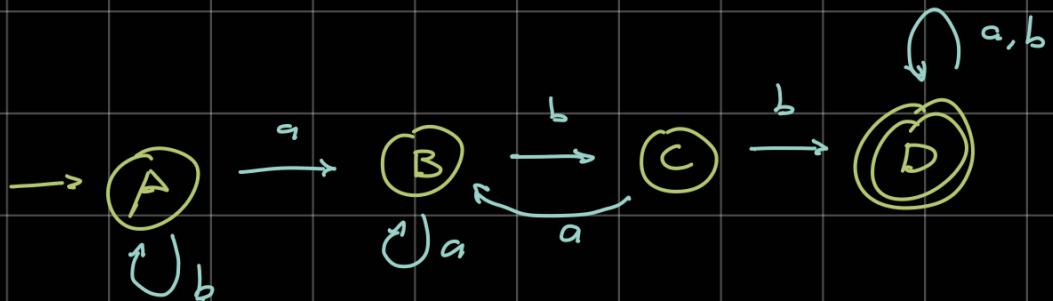




Tablea

	a	b	
$\rightarrow \{1, 4\}$	$\{4, 1, 5\}$	$\{4, 1\}$	P
$\{4, 1, 5\}$	$\{5, 4, 1\}$	$\{1, 4, 6\}$	B
$\{1, 4, 6\}$	$\{1, 4, 5\}$	$\{1, 4, 7, 10\}$	C
$\ast \{1, 4, 7, 10\}$	$\{1, 4, 10, 7\}$	$\{1, 4, 10, 7\}$	D

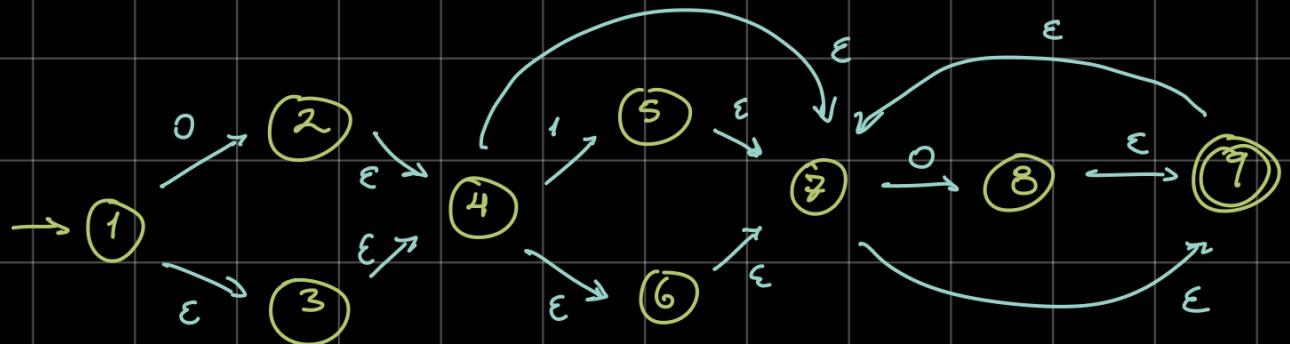
AFD



f)

$O ? (\cdot ?) ? O \ast$

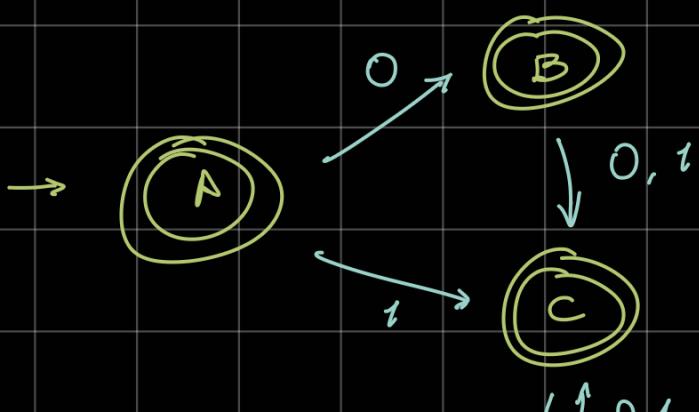
AFN



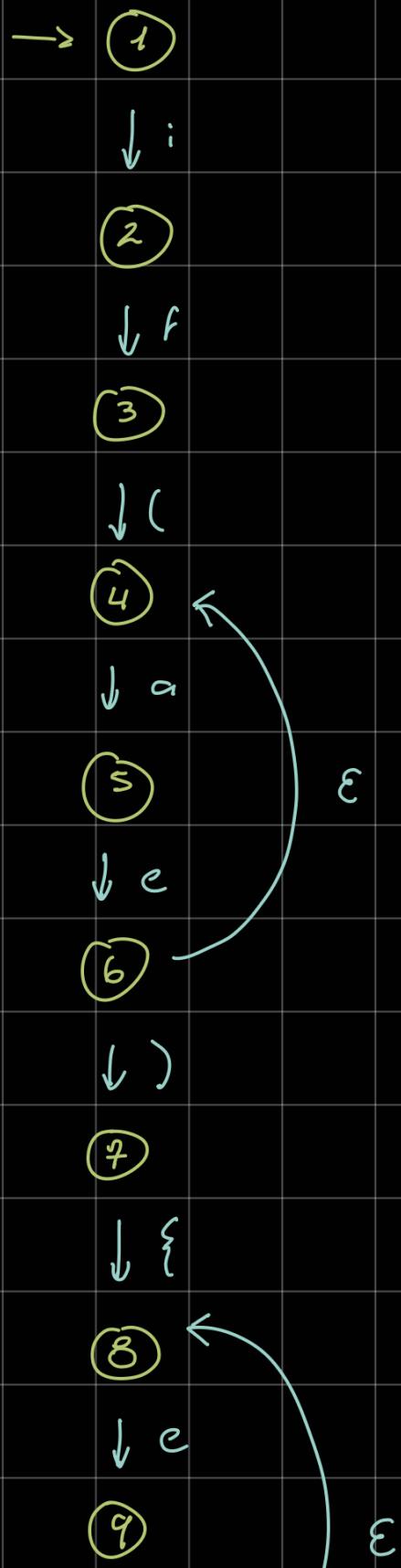
Table

	0	1	
→ ∞ {1, 4, 7, 9}	{4, 7, 9}	{7, 9}	A
* {4, 7, 9}	{7, 7}	{7, 7}	B
* {7, 9}	{7, 9}	{7, 9}	C

AFD



g) $i \backslash ([ac] \cup \backslash) \backslash \{ e; \} \cup \{ (\backslash n (else \{ [j] \cup \{ \})) \}$





↓ }
2-1

Tabla

16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

P

Q

R

S

19

{20, 20}

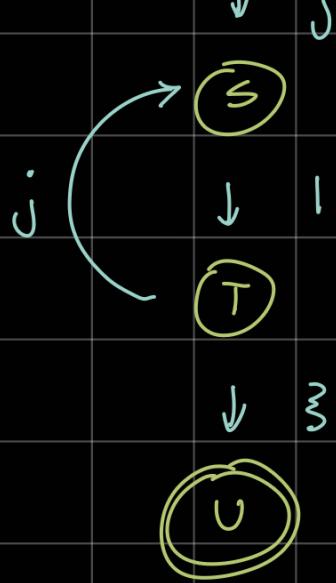
19 T

* C

AFD

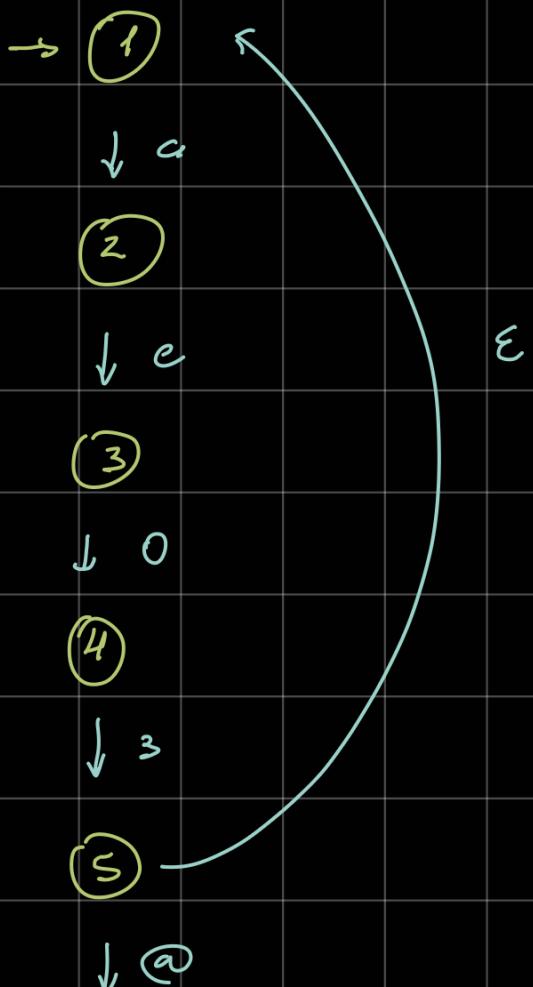


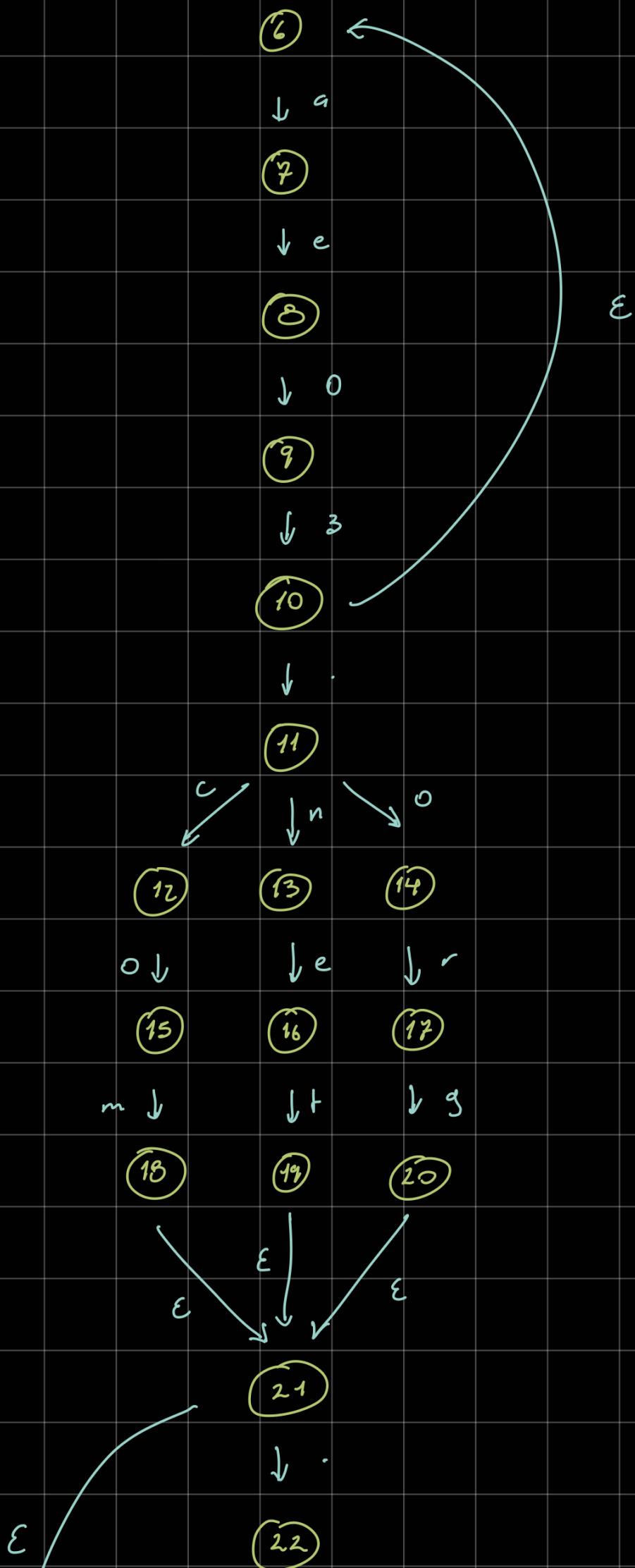


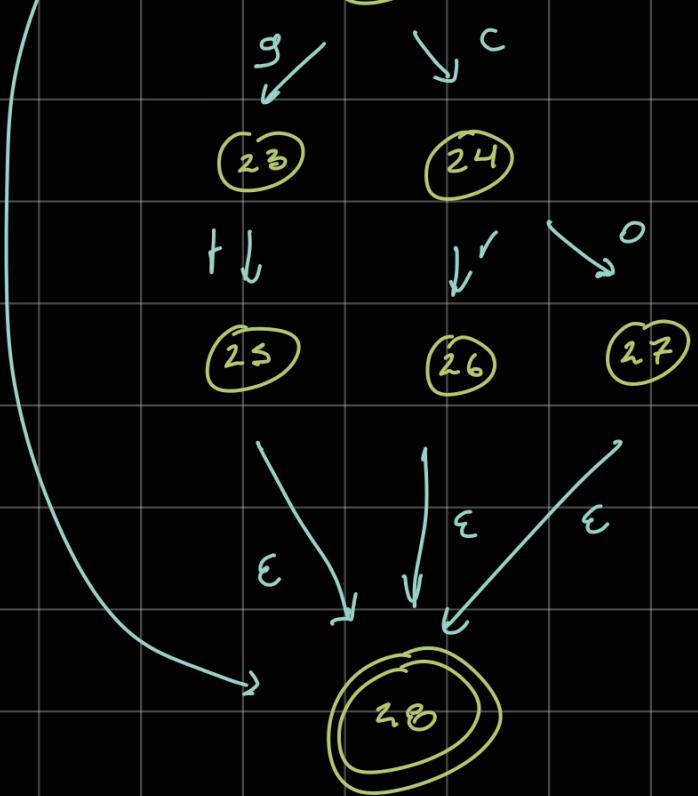


b) $[\text{ae03}] + @ [\text{ae03}] + . (\text{com} | \text{net} | \text{org}) ((\text{gt} | \text{cs} | \text{co})) ?$

A = N







Table

a e 0 3 @ . c n o m g l r

1 | 2

→ ↗

2

B>

4

C

4

1

$$\{5, 1\}$$

6

$$\{S_1, T\} \quad 2$$

1

6

4

2

6

8

9

{ 10, 6 }

61

1

$\{10, 6\}$	7	11	12	13	14	15	\exists
16							\forall
$\{21, 28\}$	22	23	24	25	26	27	\perp
28	29	30	31	32	33	34	O
13	16						R
16						$\{21, 28\}$	S
14						12	T
17					$\{21, 28\}$	\vee	\cup
28						\times	V

PFD



