

Semana 11

Prog \rightarrow completo
| Incompleto

Completo \rightarrow if cond Then Completo else Completo
| outro

Incomplete \rightarrow if cond then Prog
| if cond then Completo else Incomplete

Autómato LR(0)

->.Prog \downarrow

 og ->. Completo
 og ->. Incompleto
 completo ->.if. cond. then. Completo else Completo
 completo ->. outro
 incompleto ->.if. cond. then. Prog
 incompleto ->.if. cond. then. Completo else Incompleto

if/cond/then

Completo \rightarrow if cond then .Completo else
Incompleto \rightarrow if cond then .Prog
Incompleto \rightarrow if cond then .Completo else Incompleto

Prog \rightarrow .Completo
Prog \rightarrow .Incompleto
Completo \rightarrow .if cond then Completo else Completo
Completo \rightarrow .other

Follow (Prog) = Follow (Incomplete)
 $\forall d'g'p = d's'p$

↓ complete

Complete \rightarrow if cond then Complete. else Complete
Prog \rightarrow Complete.

(()) ()
(())
()

$S \xrightarrow{P_1} 'c's's$

$\quad \quad \quad P_2$

$\quad \quad \quad \epsilon$

$L_A(1) = \{ 'c'p \}$

$L_A(p) = \{ 's's'p \}$

$$Z \rightarrow S \$ \mid 0 \xrightarrow{S} Z \rightarrow S \$ \mid 1 \xrightarrow{\$} \text{rec.}$$

S-7. ('S')'S
S-7.

$\xrightarrow{S'} \begin{array}{|l} S \rightarrow (' S')' S^L \\ S \rightarrow (' S')' S \\ S \rightarrow . \end{array}$

$\Rightarrow S \rightarrow ('S.')S^L$

$$\xrightarrow{y'} \boxed{\begin{array}{l} s \rightarrow '(' s')' . s \\ s \rightarrow . '(' s')' s \\ s \rightarrow . \end{array}}$$

S → S → ('S')S.

Capitula \rightarrow '1' Capitula '1'
 '0' Capitula '0'
 '0'
 '1'
 1

111 árvore de derivação

```
graph TD
    A[111] --- B[capitula]
    B --- C['1']
    B --- D[capitula]
    B --- E['1']
    D --- F['1']
```

$t \rightarrow$ transita

capicua \rightarrow

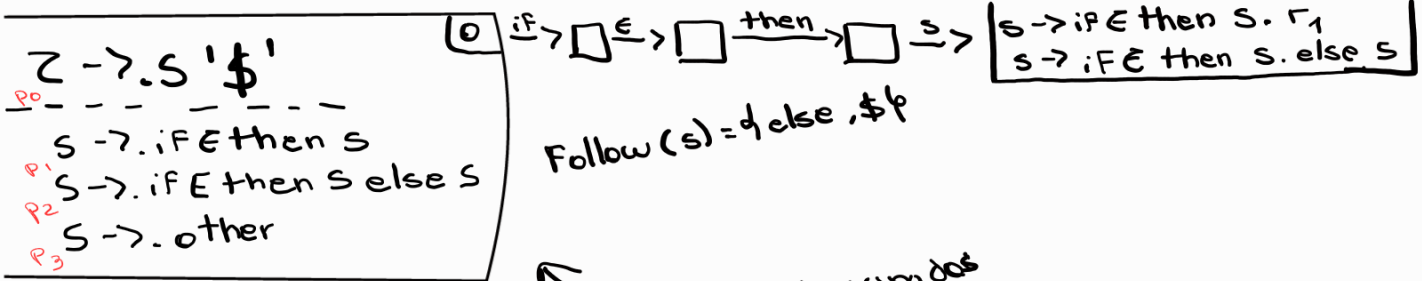
capicua	:	\$	0
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 $\xrightarrow{\$}$ rel

Z → .Lapicwa '\$'
 — — — — —
 Lapicwa → . 'i' Lapicwa 'i'
 Lapicwa → . 'o' Lapicwa 'o'
 Lapicwa → . 'o' Lapicwa 'o'
 Lapicwa → . 'i' Lapicwa 'i'
 Lapicwa → .

$\text{Capiwa} \rightarrow '1' \text{Capiwa}'1'$
 $\text{Capiwa} \rightarrow '1'$
 $\text{Capiwa} \rightarrow '1' \text{Capiwa}'1'$
 $\text{Capiwa} \rightarrow '0' \text{Capiwa}'0'$
 $\text{Capiwa} \rightarrow '0'$
 $\text{Capiwa} \rightarrow '1'$
 $\text{Capiwa} \rightarrow .$

	1	0	\$	2	Capitula
0	t_2/c_s	t_3/c_s			t_1
1				
2	$t_4/c_{a/c_s}$	$t_2/c_{a/c_s}$	c_{a/c_s}		t_x



	'(')'	'\$'	Z	S
0	t_2/r_2	r_2	r_2		t_1
1			rec		
2	t_2/r_2	r_2	r_2		t_3
3		t_4			
4	t_2/r_2	r_2	r_2		t_5
5	r_1	r_1	r_1		