

$$N = \{S, A, C, D\} \quad T = \{a, b, c, d, e\}$$

$$P = [S \rightarrow A, A \rightarrow c|AcC, C \rightarrow a|b|dD, D \rightarrow Ae]$$

1. Eliminate left recursion

$$P = [S \rightarrow A$$

$$CA']$$

$$A \rightarrow CA'$$

$$A' \rightarrow cCA' / \epsilon$$

$$C \rightarrow a|b|dD$$

$$D \rightarrow Ae]$$

$$cCc$$

$$cCcC Ae$$

$$ccCdCA'e$$

2. Build sets of FIRST and FOLLOW

	FIRST	FOLLOW
S	a, b, c, d, e	
A	a, b, c, d, e	
A'	a, b, c, d, e	
C	a, b, c, d, e	
D		

	FIRST	FOLLOW
S	a, b, d	\$
A	a, b, d	e, \$
A'	c, e	\$, e,
C	a, b, d	\$, c, e
D	a, b, d	\$, c, e

3. Parse Table

	a	b	c	d	e	\$
S	A	A		A		
A	CA'	CA'		CA'		
A'			cCA'		$\lambda$	$\lambda$
C	a	b		dD		
D	Ae	Ae		Ae		



Produs cu dragoste !

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"Moldagroproduct" SRL, Chişinău, str. Meşterul Manole, 12

Tel. : (+373 22) 47-00-00 Fax : (+373 22) 47-88-88

[www.moldagroproduct.com](http://www.moldagroproduct.com) | [moldagroproduct@mail.ru](mailto:moldagroproduct@mail.ru)

4. Parse 'dacbecbeca'

Production	Derivation
<del><math>S \rightarrow A</math></del>	$S$
$S \rightarrow A$	$A$
$A \rightarrow CA'$	$CA'$
<del><math>C \rightarrow dD</math></del>	$dDA'$
$D \rightarrow Ae$	$dAeA'$
$A \rightarrow CA'$	$dCA'eA'$
<del><math>C \rightarrow a</math></del>	$daA'eA'$
$A' \rightarrow cCA'$	$dacCA'eA'$
$C \rightarrow b$	$dacbA'eA'$
$A' \rightarrow cCA'$	$dacbccA'eA'$
$C \rightarrow b$	$dacbc bA'eA'$
$A \rightarrow \lambda$	$dacbc b eA'$
$A' \rightarrow cCA'$	$dacbc b e e cA'$
$C \rightarrow a$	$dacbc b e e c aA'$
$A' \rightarrow \lambda$	$dacbc b e e c a \#$



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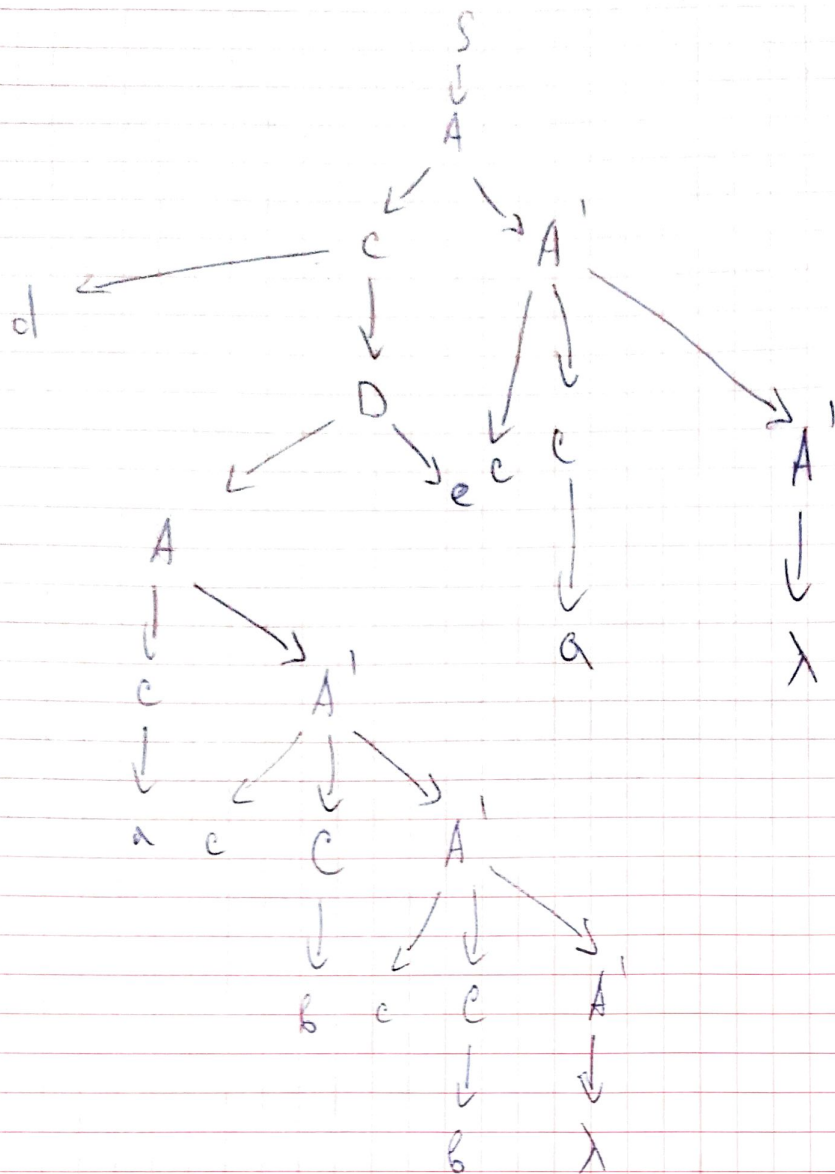
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