Linguagens Formais e Autômatos

Ciência da Computação

UFFS

Atividade orientada semana 13

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(1)

~~S::= Aab | Bc | ScAb~~
~~A::= SAc | BaA | ab~~
~~B::= Ac | aBb | ab~~

S::= AabS’ | BcS’
S’::= cAbS’ | ε

~~A::= AabS’Ac | BcS’Ac | BaA | ab~~

A::= BcS’AcA’ | BaAA’ | abA’
A’::= abS’AcA’ | ε

~~B::= BcS’AcA’ c | BaAA’c | abA’c | aBb | ab~~
B::= abA’cB’ | aBbB’ | abB’
B’::= cS’AcA’ cB’ | aAA’cB’ | ε

(2)

S ::= Cab | Ab | b
~~A ::= Bcd | Ac | ab~~
~~B ::= Aca | Bc | Cba | a~~
~~C ::= DaC | Cc | c~~
~~D ::= ac | CaD~~

A::= BcdA’ | abA’
A’::= cA’ | ε

~~B::= BcdA’ca | abA’ca | Bc | Cba | a~~
B::= abA’caB’ | CbaB’ | aB’
B’::= cdA’caB’ | cB’ | ε

C::= DaCC’ | cC’
C’::= cC’ | ε

~~D::= ac | DaCC’aD | cC’aD~~
D::= acD’ | cC’aDD’
D’::= aCC’aDD’ | ε