Linguagens Formais

Exercicio 1

S = Cde | deA
A = Ea | D | S
C = ded
D = deA | S
E = ead

Cde = dedde
deA = deEa = deeada
Ea = eada
deA = deD = dedeA = dedeS = dedededde
deA = deS = dededde

Exercicio 2

b, 101000101010101

P = {S = ASBB | BSAA | 0 , A = 01 | 01A , B = 1 | 110B

BSAA

10BSAA
1010001A
101000101A
10 1000 10101A
10 1000 10 10 101A
10 1000 10 10 10 101

3

S : ABC
C : BaB 10 c
B : b | bb
A : a

1, ABC
a b c

2, ABC
a b b c
a b b BaB
a b b bab

3, ABC
a b b aB
a b b b a b b

Exercício 4

S = S1
if C then S1 else S2
if p then T else if C then S
if p then a else if q then S1
$\downarrow$
$\downarrow$
a