#### UNIVERSIDADE FEDERAL DE RORAIMA DISCIPLINA CONSTRUÇÃO DE COMPILADORES PROF.: DR. LUCIANO FERREIRA ALUNO: FELIPE DERKIAN DE SOUSA FREITAS

### LISTA 2

## Compiladores - lista 2 - Feliji Werkin

(2.1) a) Cs = {x | x \in N \times 7}

C1={013,2,3,4,5,6}

c) C3 = C1 UC2

C3={0,112,3,4,5,6,7,8,9}

e) C5 = C1 - C2

C5 = {0,1,2,3}

8) C7 = {x(x = x}

C7= { \$ \$ }

b) Cz = {x1xex13 < x < 103

CZ={4,5,6,7,8,9}

d) C4=C3AC2

C4= {4,5,6}

Al 66 = C2-C1

C6= {7,8,93

A) C8=(CSUCZ) - (CSNCZ)

C8= C3-C4

C8={0,1,2,3,7,8,9}

(2.2) A= {0, b, c, d} Verdaduio ou folso?

a) a E A : R: Verdachin

b) {2} ∈ A: R: Eolso.

Clack & R: Colso

d) {o} CA&R: Verdacleiro

Felipe Berlin B+ 20,13 a) {550 mmon m70} D={1, 11,010,000,1111,0000,0000,0000,...} b) {1 0 m | m >0} B-f 100, 110000, 111000000, 100. c) {(01) "0" | M7,03 B= 5 010,010100,010101000, 3 b)231200

b)2>1200 G= {103, 223, 22>12003, 23 C) 2>0120 B G= {103, 223, 22>12003, 23

#### Jely Werkion

(2.6) a) 000 7111

27E , 27021, 2700711, 270002111

4) 01

776 177021,01x

900001111

778,770007 1111 50000 £111 1 5000 £ 111 ,0000 £ 1111

(2,7) G= (63,95,N,Q,R3,P,8)

5-ana a) And i a clamificação de 60 pela liverarquis de Overnoty? AN > OX KN ->NNR Gramatica tipo 3, gramatica regular. RQ -> NNQ

b) Di quatro examplos de senteros que poolem ser derivados portes do simbolo sentencial S. Noa 076

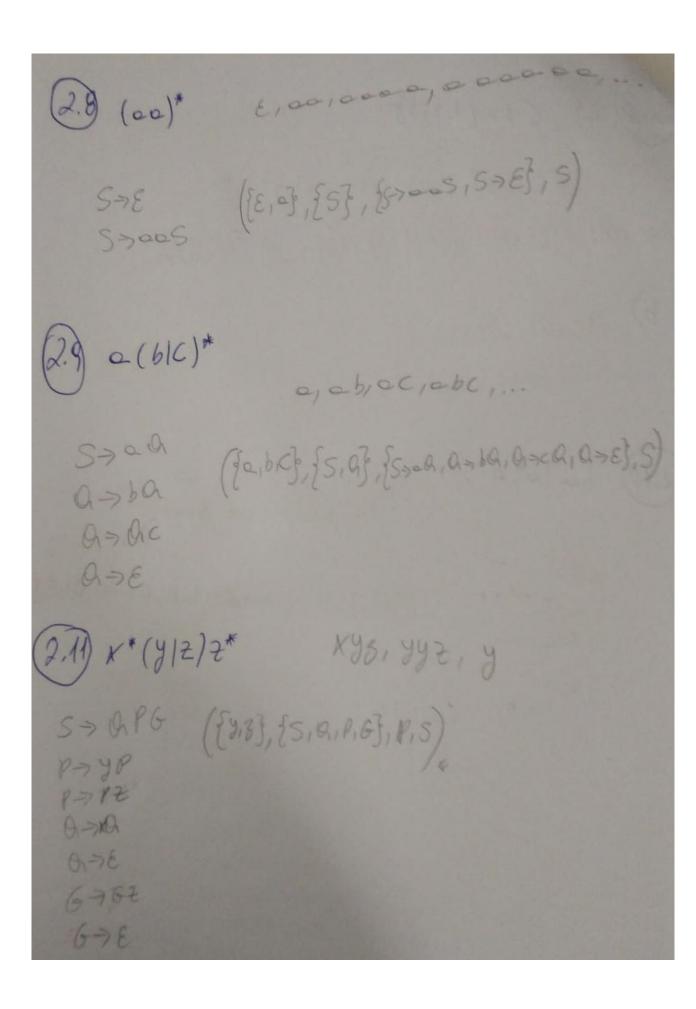
05 > 9 4 4 3 5 > ANR QN>QRQ

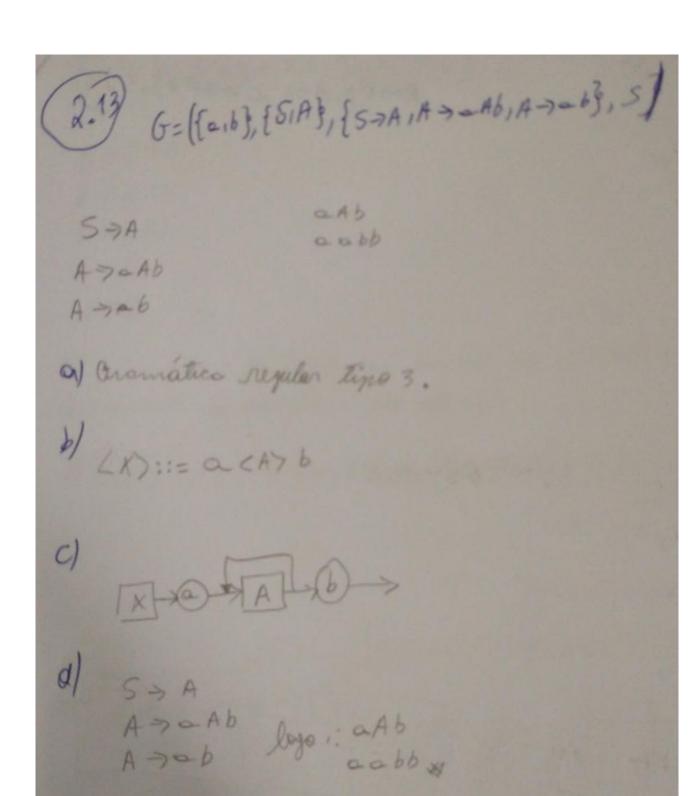
AQ > Q NN Or x (2) S> ONG en > aha 8

(9) SAGNA GN-> OLL RAZGNNA N-) accax

9-7-00

478

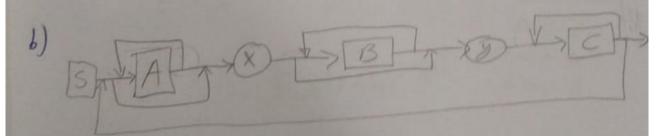




# 2.14) G=({x,y,3}, {5, A, B, C}, {5 > Axby C, A > KAX, A > E, B > By, B > E, C > ZAZB, S)

S>AxByC A>XAX A>E B>By B>E C>ZAZ

 $(A) := \{A > K < B > y < C \}$  (A) := [X < A > X] (B) := [ < B > y ]  $(C) := \{A > A > E \}$ 



O) XXXYYZXXX B>XXXYYZXX B>XXXYYZXXX A>XXXYYZXXX B>XXXBYC A>XXXYYZXXZX B>XXXBYYC A>XXXYYZXXZX

Enx+xxyx

STU 57052 TOX T=> bT USB UDUX a) ( 23, { 5, T, U}, R, 5) b) = xb3, = bxbz, = xxbbz,... 57058 57052 57057 STOTUE 5-) OTUZ STATUE STOTTUVZ SAABTUZ T->OXUZ T-70-6XUZ UNOXBE T-) EXXVUE Vapxbz V-) OKK bb 7