7.1

$\{a, b\}$

$a + a(a+b)^{*} a$

$a \circ a(a+b)^{\times} a$

7.2

Variablen = v...

global V lokal v

Funktions Methodenparameter p...

Klassenparameter P

sonst a-z A-Z

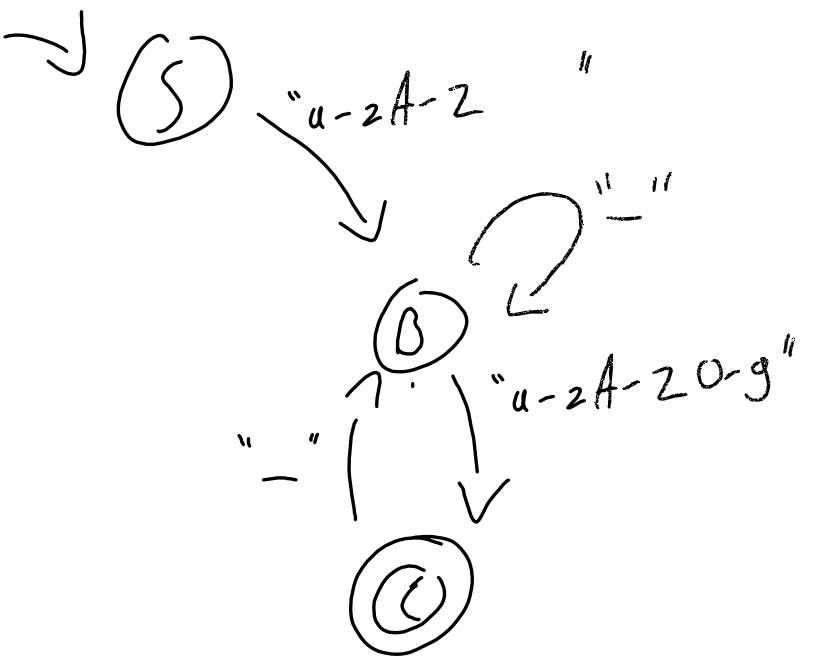
{ Buchstaben, Ziffern, _ }

min 2 Zeichen

! _ enden a-z = (a-z A-Z)

(a-z A-Z) (a-z A-Z_0-9)* (a-z A-Z 0-9)

7.2

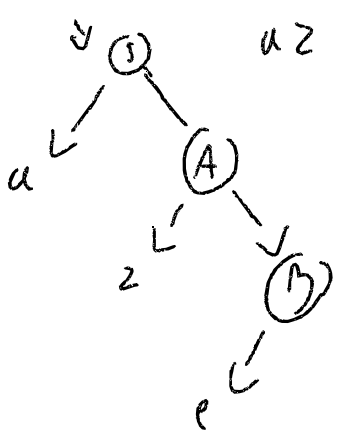


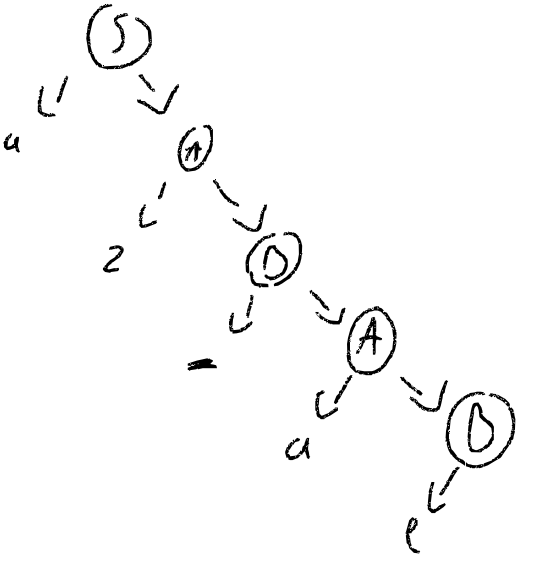
7.2

S -> (a-z)A

A -> _A | (a-z)B | "_"A | (a-z)A

B -> e

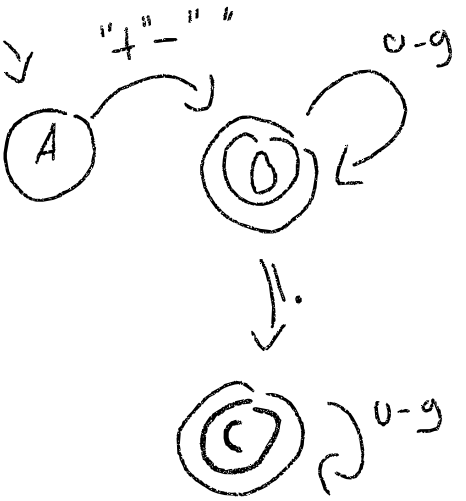




(1.)

Python

[+-]?.[0-9]*(.)([0-9]*)? [. = .]



1.4 $(a-2)^{+}$ (a) $(a-2) \cdot (a-2)$

$+$ fehlt

$a+b-c$ da $(a-2)$ nicht definiert $+$ fehlt sonn

$\lambda \cdot x$ möglich

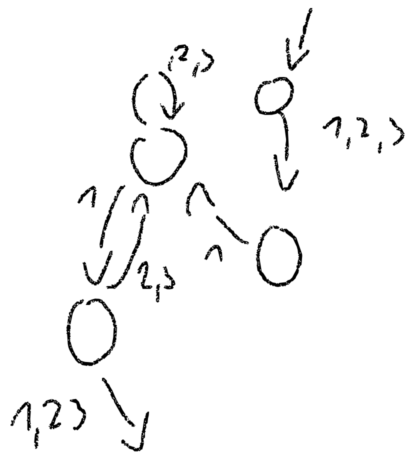
$a-2$ erlauben nicht $+$ Zahlen

$\Sigma = \{1, 2, 3\}$

$\left(aX \quad a+ \quad Xa \;\middle|\; a \in \Sigma,\; x \in \Sigma \right)$

(1.5)

$L = \{ \quad \}$

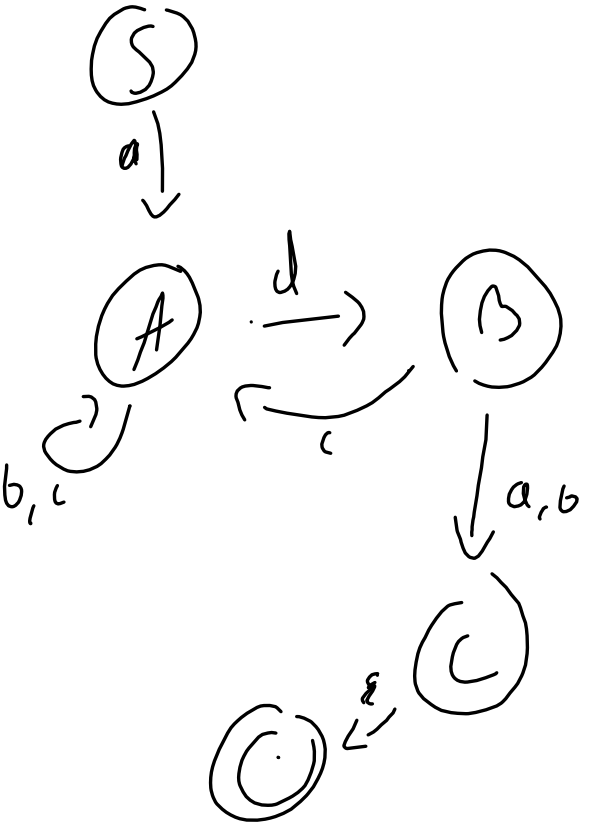


$A+D$ oder

A^+ 1-n

A^* 0-n

7.6



a b c b d c b d a

a (b c)* d ((c (b c)* d)* (a + b) ε