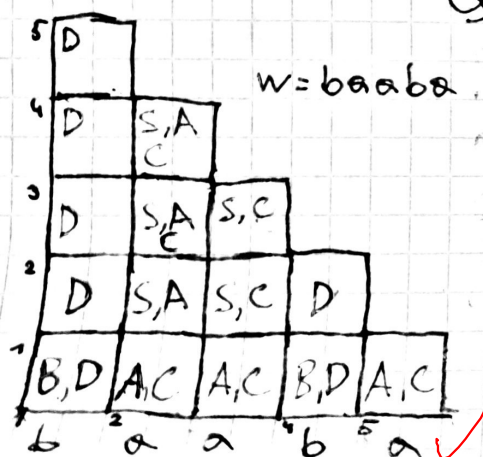


10.12.2023

Př 7.1

a)



Samostatná práce 7

$G = (N, \Sigma, P)$ $N = \{S, A, B, C, D\}$, $\Sigma = \{a, b, c\}$

$S \rightarrow AB | CD | AC$

$A \rightarrow AC | a$

$B \rightarrow BD | b$

$C \rightarrow AD | a$

$D \rightarrow BA | b$

→
přepíšeme

$AB \leftarrow S$

$AC \leftarrow S, A$

$AD \leftarrow C$

$BA \leftarrow D$

$BD \leftarrow B$

$CD \leftarrow S$

$\in X_{1,5}$

b) $u = a b a a a$

Diagram illustrating a Young diagram for the partition (5, 4, 3, 2, 1). The diagram is filled with letters, and the corresponding sequence of letters below it is a, b, a, a, a .

Na konci algoritmu CYK máme S ,
takže touto gramatikou můžeme
vygenerovat slovo $u = a b a a a$

leva' derivative

$$\begin{aligned} S &\xrightarrow{s \rightarrow CD} CD \xrightarrow{C \rightarrow a} aD \Rightarrow a \\ D &\xrightarrow{D \rightarrow BA} aBA \xrightarrow{B \rightarrow b} abA \Rightarrow \\ A &\xrightarrow{A \rightarrow AC} abAC \xrightarrow{A \rightarrow AC} abACC \xrightarrow{A \rightarrow a} abacc \Rightarrow \\ &\xrightarrow{C \rightarrow a} abaaac \xrightarrow{C \rightarrow a} abaaaa = 4 \end{aligned}$$

Spätere

