

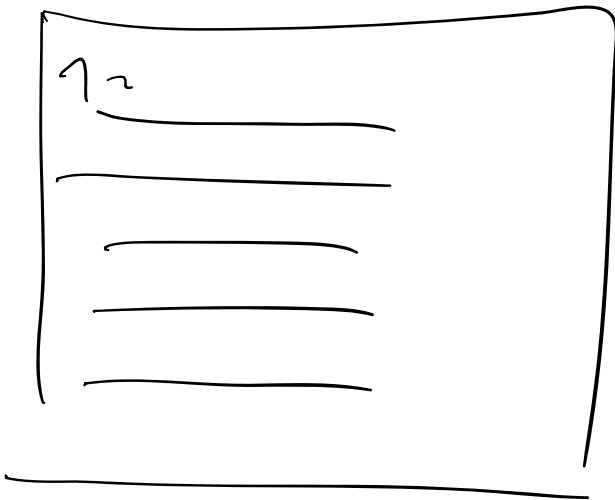


Immuniz,
 vyhovar, tne
 vieme yhodontik

20.2.2018

FUNKCIONAČNÉ PROG.
 LISP

- rezultia
- dynamická alokácia pamäte
- beztypový jazyk FIRST!!
- globálne premenné [x] → x



čísleť.

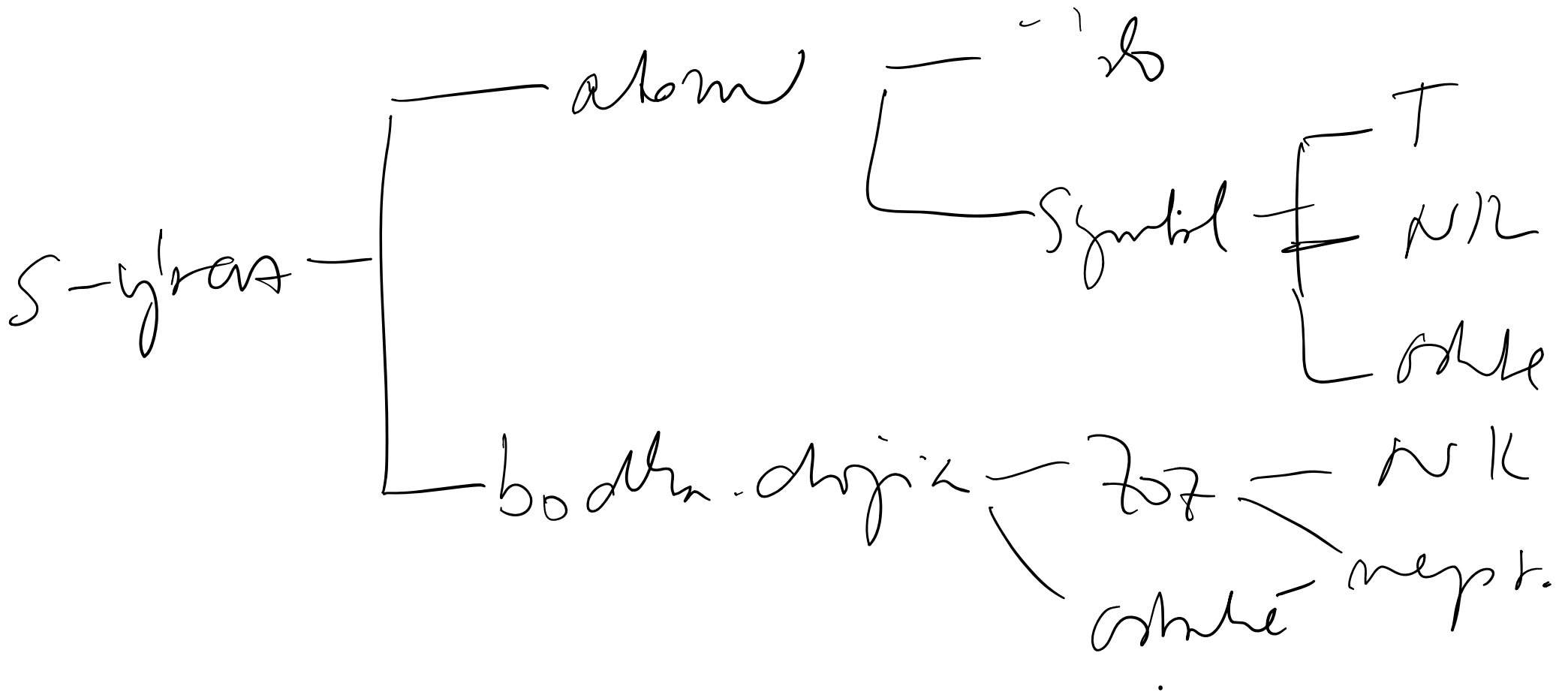
→ referenční příklad

$$\begin{array}{c} \text{X} + \text{Y} - 5 \\ \swarrow \quad \searrow \end{array}$$

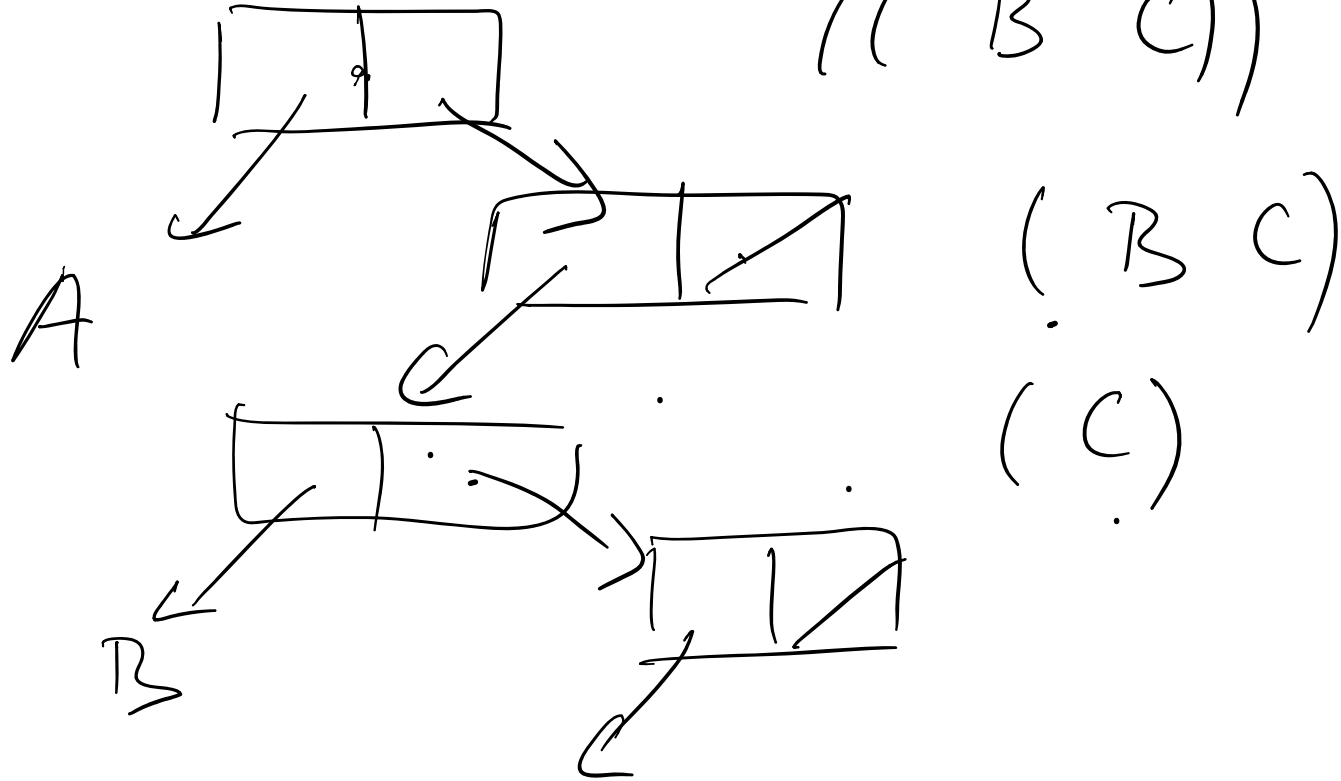
$$\begin{array}{l} \text{X} = 2 \\ \text{Y} = 3 \end{array}$$

→ mechanický abstrakce

→ lineární vyhodnocování



(A (B C))



(A • ((C) • NIL))

= CONS NIL KONSTRUKTOR

APPEND
LIST

- FIRST, REST

SELEKTOR

- NULL

DISKRIMINATOR

NULL: $\alpha \rightarrow$ bool

(NIL) \rightarrow (NIL . NIL)



(EVAL S/E)

FORNA

(FN ARG1 ARG2 .. ARGN)

(EVAL 3)

3

IPF

NIESP

(DEFUN NENOF 27-ARG FORNA)

MY-NULL :: (SU) → bool
 SU / atom → NIL → T
 ↓ mbe → NIL
 SU / bo dha dijia → ~~NIL → T~~
 ↓ mbe → NIL
 (DEFUN MY-NULL (SU))
 (COND ((ATOM SU)
 (T. NIL)))

UNGER

NUMBER-N :: [2] x int \rightarrow 2

(DEFUN NUMBER-N (Z0Z N)
(COND ((EQ N 1) (FIRST Z0Z))

(T (NUMBER-N
: (REST Z0Z)
(- N 1))))

6
3 \rightarrow 2 \rightarrow 1

(~~a~~ ~~b~~ (c) d e)

(SET(Q) SYMBOL FORNA)

do tab symbolow & symbolow

sa phiradi - hodush "FORNA"

"SYMBOL"