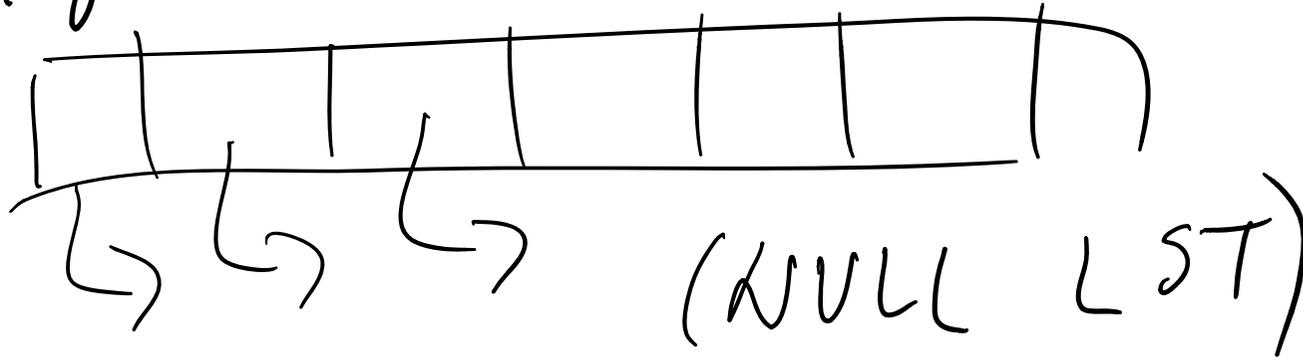
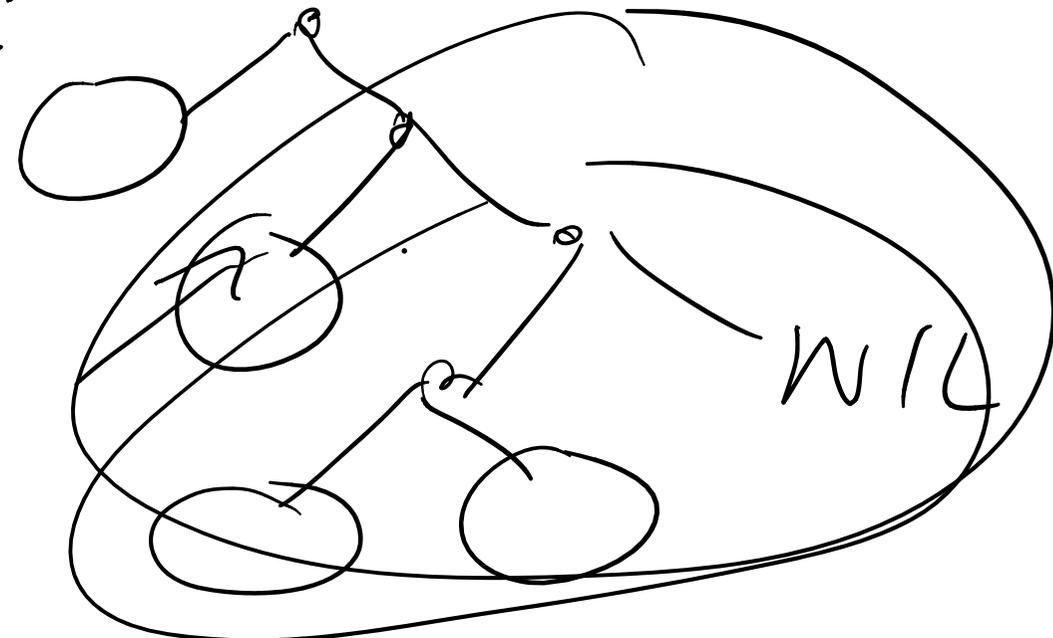
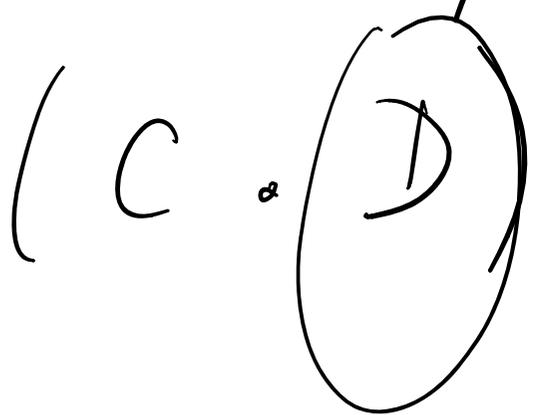


na najvišjoj úrovni

6.3.2018



na nižnjim' úrovni



DEFINOVATĚ NEJAKŮ FUNKCI ZOBRAZENÍ

Funkci, kt. je zadáno zobrazení
úzel na zobrazení shyb čísli
0 1 v čísli.

INC :: [int] → [int]

(DEFUN INC^{AUX} (LST) AUX

(COND ((NULL LST) NIL)

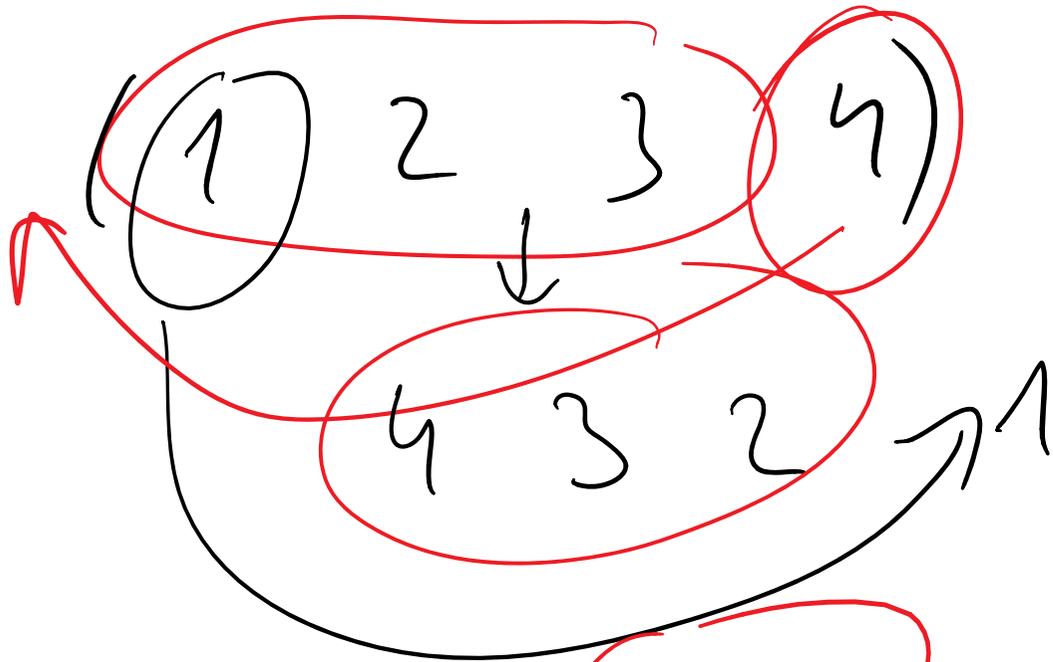
(~~CONS (+1 (FIRST LST))~~)

(NUMBERP (FIRST LST)) (INC^{AUX} (REST LST)))

(INC-AUX (REST LST))

(CONS (+1 (FIRST LST)) AUX))

ODDP EVENP



(APPEND
'(4 3 2)
'(1))

(CONS (LAST LST)
(REVERSE (NOT-LAST LST)))

(APPEND (REVERSE (REST LST))
(LIST (FIRST LST)))

(DEFUN REV-AUX (LST AUX)

(COND ((NULL LST) AUX)

(T (REV-AUX
(REST LST)

(CONS (FIRST LST)

AUX))))))

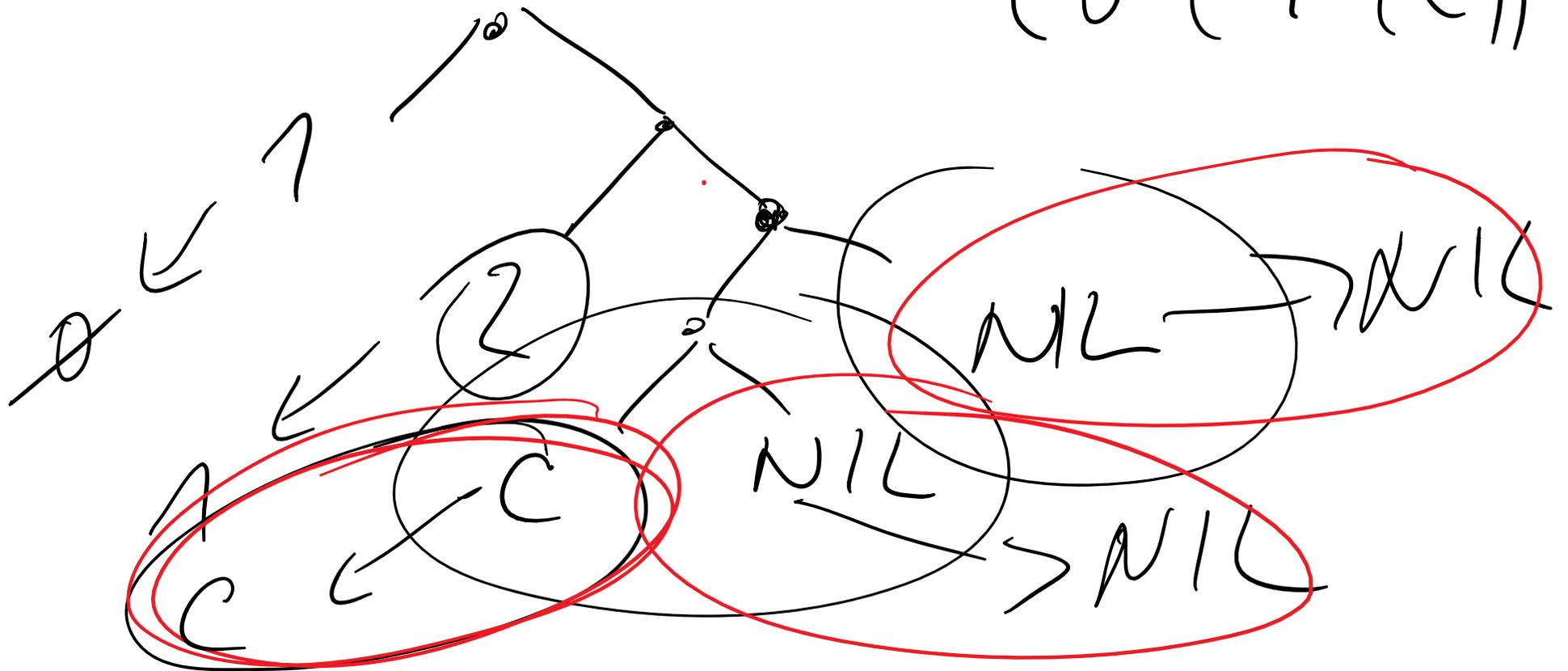
```

(DEFUN DELETE <MAP-SOME> (LST)
  (COND
    ((NULL LST) NIL)
    ((<TR> (FIRST LST))
     (CONS (<TR> (FIRST LST))
              (MAP-SOME (REST LST)))
      (CONS (FIRST LST)
            (MAP-SOME (REST LST))))
    (T (CONS (FIRST LST)
             (MAP-SOME (REST LST))))))

```

MAP na listu unosi

$(\text{SUBT-D } (1 (2 (c))) \rightarrow (0 (1 (c)))$



FUNKSIONAL FUNKSI

→ ARG FN

- nilai arg kedudukannya FN

(LAMBDA (arg...) formula)
New F

MAPOVANIE PRVKOU
S NEJAKOU VC

(LAMBDA ...)

(MAP MY LST FN

) (MAP MY '(1 2 3) #'INC)

(FUNCTION SYMBOL)

(QUOTE SE)

(DEFUN INC (N) (+ 1 N))

MAP-NY :: [~~int~~] x (~~int~~ → ~~int~~) → [~~int~~]

(DEFUN MAP-NY (LST FN)
(CONT) ((NULL LST) NIL)
(T (CONS (FN (FIRST LST))
(MAP-NY (REST LST) FN)))

(MAP-NY
(FN arg1 ... argn))

FUNCALL funcia arg₁ ... arg_n)

(MAP-PIY '(1 2 3) #'INC)

↓
#'LAMBDA (X) (+ 1 X))