SON Scheme: 07.10 • (if (> x 2) "00ps") · (let [(x 5) (y 3)] (+ x y)) + 0632aba ce MeHDUHMA CPEGA, Kōgero x=5, y=3. · (quote (1 2 3)) = '(1 2 3) Специанни форми: - deline, lambda, il, cond - let, let*, letrec, quote € Da DTROMENO OYEHA Bake - and, or - delay, force Annuxuruben Hopman en metod Cipurino (mopoenulo ogenabane . CICHTAGRO nopbo ce oyensbat apprinenture Ha gageno opus u $(? (+ 5 3)) \rightarrow$ (* (+ 5 3) (+ 5 3)) → (* 8 (+ 53)) -> (* 88) noche ce usburbs opymaners a bere agenerate aproprenta | deline $(\frac{1}{4} \times) (* \times \times)$ (q (+ 5 3)) -> (q 8) -> (+ 8 8) -> 64! . шързеливо, реали»: (let [(x (+ 5 3))] (* x x)/ Jet [(x 8)] (* x x)) → (* 8 8) → 64

Oyenabar le aprymenture como beduralm. Brierro
exconnentyuanno Scanned by CamScanner

- MEPSERUBO:

$$(+(1 \pm 0) 2)) \rightarrow 5$$

- Capucito:

Moreger neerobop son Haskell:

- Data List
- pattern matching
- list comprehension

- Nausoda dymuyuu let f= /x → x * 5

Moresen neerobop 301 Scheme: -map, Pilter, Foldr, accumulate

```
of the state of th
                                                                                    Dagaren
II
21.03.09 | Und 1300.5
          (define (count-sub l1 l2)
                 (cond [(null? l2) 0]
                                              [ (Begins? U l2) (+ 1 (count-sub l) (cd. (2)))]
                                                             Lelse (count l1 (cdr (2))])
      (define (begins? U l2)
                         [b# (1) ? ll (mull? ll) #t]
                                                              [ (null? (2) # } ]
                                                              [ (not (= (car l1) (cor l2)1) # ]
                                                            [else (begins? (cdr U) (cdr (2))])
1. 10.09-2018/Und / sadara 3.
 (deline (sum Max Roots & U)
                      (apply +
                                          (Rolder select list '()
                                                              (map (lombda (l)
                                                                                                     (filter (lambda (x) (= (f x) 0)) ())
                                                                                                                              (1/(\mathcal{J}))
             (deline (select list l1 l2)
(if (>= (length l1) (length l2)/ l1
```

15.04.2014, 1 KH 30g.4 magic f 0 = (/x = x) magic & 1 = f magic fi
lany (1x > fl x /= fl x) [0...] = fl. fl

T magic f x 1 x e lotherwise = total Min [magic] x 1 x = [0...-1] where fl = magic & (i-1)
fl = magic & (i-2) chamblin Compositions = [magic file [0-3] import Data Ord (company) import Data hist (minimum by) totallin Is=minimum by (comparing (\$0)) Is (comparing (19 =) 0)) (deline (chain lun Comps) (deline (helper i) (cons-stream (magic & i) (helper (+ i 1)))) (Relper D)

2 See 14 mil loves de al 10.09. 2009, Mupl 302.3 (deline (count My Head lat) (cond [(null? 2st) 0] (null? (cdr lst)) 1] (+ 1 (count My Head (cd. lst)))] [(= (car lst) (cade lst)) Lelse 1] (deline (compress lst) (let I (count (count by theod lst))]
(if (count > 1) (cons (cons (car lst) count) (compress (drop wound lst))) (cons (cor lst) (compress (cdr lst))))) При погоди: регулавани за списън и после погоди: nosoya buecos crucoya

Perm []: [[]]

Perm [st = [(x:p) | x = lst, p = perms (delete x lst)]

(dat. do) boot plt.

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· d(v) = crener Ha bpox v= brow pebpo, unyugenthu c v
(Heopuentupan rpad)

• G=
$$(V, E)$$
 $|V|=n, |E|=m, 0=m=(2)=\frac{n(n-1)}{2}$

30 HEOPLEHTUPAH FROM

 $m = n \frac{1}{2} + n \in c$ npunku

· Zd(v)= 2m // Bopxobere or Hereing weren a reight ispai

· Dbydenen rpade

Zdlvl=m = Zdlv)

veVz

· Knursbo zueno el (G)-spoù bepase b mai-rommata lenux

«Хронатично сисп» ХССП- шининален Брой цветве, нушни За оцветяване на преровете, така те всеко ребро од Мина за кранија всрхове с различен цвет.
«Хронатичен шидекс - същото но за ребра

30 aven

This G Codoping Dunepolo not, koûto he e yukon c-> G е сверзан и има тогно 2 верха от негетна степен. всеко принка се брои г пъли към слепента на врех Yv: d(v)= (n-1)+2=n+1 • Графъі е пълен => Графъі е свързан. ·Kong dlul e Terro? dlu)=n+1=> n Tpx5Ba Da e HETETHO. 3) 09.09.20147. Donyavance repossible prosonte us u une ca cocedu. uz us Una noue onje eans book ochen us_Ux, Jangoro 10=1. 6.0.0 contant le prospo ususa of Uk Kom Dryma limite притиван, защого графът е сверзан. 600. Cairane, re unes ce chapsha c un. Mongruxme no-denor noi oi le... le , noero e mporteboperne. 4/ 15.07. 2014,-Myser Tpados: He e Jeskpach Vi Vo Vy e) Ha não ciónica uje Mudagen of bagget

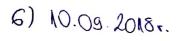
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Tpado Bes yunny e ropa = MHOIHECTO 0. Depletos
Also rpado 6. e coppan => Deplo V_ V2 V5 V4 ... -. Vd - V+1 ... Vk HRMG nobere nobe bopxobe flew Vk=Uo Heren lo... luc e Hari-Donze noi lo Gr. Or Us ushus at note d people. Or to he mother da ususa person won borr, pasmuzen or Uz. le, samoso me e nostuboperue a Mañ-Donor Not. Toralos d=k. 2 2000 beglo: (po: p) big 6 mone gett 40-41-42 --- - - Lep I

5) 10.07.2018, Обикновен граф = неориентиран, пенулги, без принки DaHIHOTO e, re c X(G)-1 Where we have as ce a present of the sec my boxole of 1 yes X(G) MOIHE (X(G)) = m the moine go mand musto I pedos.

Langero Menily booky 2 yberd man persos $\binom{n}{k} = \frac{n!}{k! (n-k)!} = \frac{n \cdot (n-1) \cdot (n-2) \cdot (n-k+1)}{k!}$ $\binom{n}{2} = \frac{n(n-1)}{2}$ $(\chi(G)) = \frac{\chi(G)(\chi(G)-1)}{2} = m$ $\chi(G)^2 - \chi(G) - 2m \leq 0$ $\chi(G)_{1,2} = \frac{1+\sqrt{1+8m}}{2} = \frac{1}{2} + \sqrt{\frac{1}{4}+2m}$ $\chi_{2} \chi (G) \leq \chi_{2}$ $= \chi(6) \leq \frac{1}{2} + \sqrt{\frac{1}{4} + 2m}$

17



Dongarane noorabrono: 300V: dlv) 5x-2. X (G-vo) = K-1

Dayson d (Vol = k-2 u notre source)

Neura da rema pesson c Vergen son

userobere u ka yber

4) 05.07.2008,

T2:



73:

Hera an= 5poù 66-pennu bopxobe tra In

ao = 1

Q1 = 1

a2 = 2

a3 = 3

an= an-1 + 2an-2 -1, no. 1"

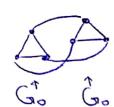
x = x + 2x -2 /1:x -2

x2 = x + 2

x2-x-2=0

$$x_{1,2} = \frac{1 \pm \sqrt{9}}{2} = \frac{1 \pm \sqrt{9}}{2}$$
 $x_{1=2} = \frac{1 \pm \sqrt{9}}{2} = \frac{1 \pm \sqrt{9}}{2}$
 $x_{1=2} = \frac{1 \pm \sqrt{9}}{2} = \frac{1 \pm \sqrt{9}}{2}$

$$0_{77}: a_{7} = \frac{(-1)^{2} + 3 + 2^{2+1}}{6}$$



30 peopara.

$$x^{n+1} = 2x^{n}$$
 $x - 2 = 0$
 $x = 2$
 $x = 2$
 $x = 3$

=> UHA POJE NOTE (DENILIUHA = 12+1+ 2 = K+1 => 4

DENHULLUNA MA MAI-DENFUR MOT DEME K.

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