(1) FIND-SET (x);

A = linked list with a potenter to x

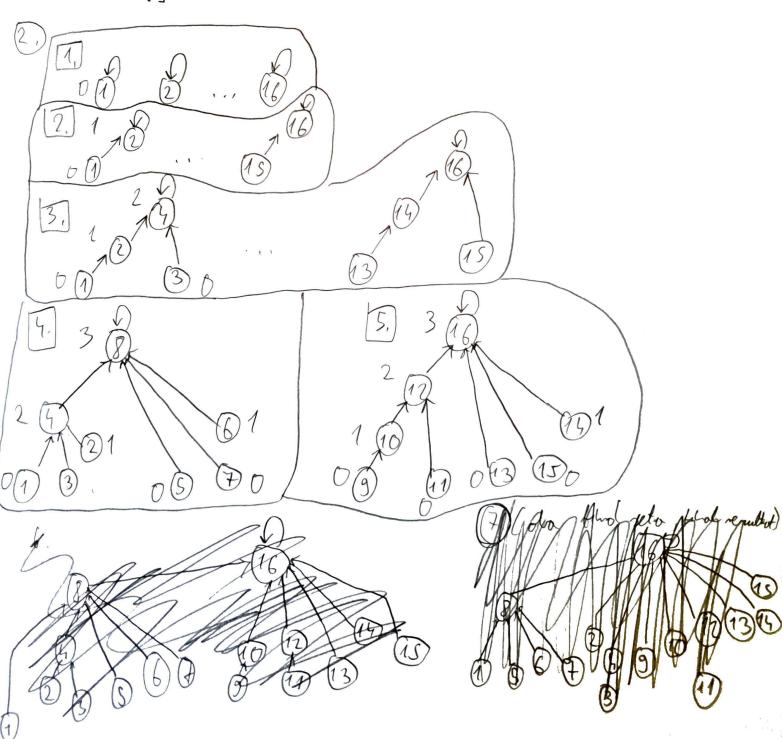
while x + r[x]:

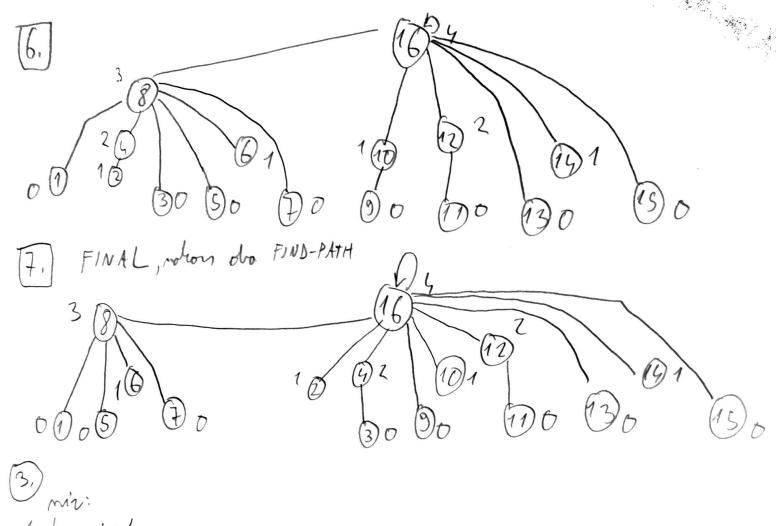
A. Musert (x)

x = r[x]

for lock mode y: A

r[y] = x





3, min:

1. for i'=1...m.

2. make-set (xi)

3. for i'=1...h.

4. for i=1...h.

5. UNION (xi, xi+21-1)

6. for i'=1...m.

b. for 1'=1...m; FIND-SET(X1)

Putrobasho da g m'=2 he morroga potencjo loga 2 strogo marjo ote m.
Notion notre isteroejo unutranje for petile (4) eleventy X1, ..., Xm su

u stoblima thultre i. Notion sto mo gotor: s roceduma (3,-5.)

X1) ..., Xn' ne u istom sturu, ali su representationi stollon delibile

h & D (loga), valion togo un puto roveno FIND-SET na X1, ito emisiono or marjo marjo trovisho pedstanda togi je loga udolfi od evoa,

pa zel ovaj ne operoejo D (m loga).

MAKE-SET(X);

1. majori notle M S atalbutuma rext, value, set

2. majori lubied listu L s head = toil = m, she = 1

3. m. next = N/L

4. M. set = L

5. m. value = X

6. return L

Lz = y, set

FIND-SET(XI: 1. return X. set, head UNION (x,y):

L1 = x, set

L2 = y, set

Mf L1, shre > L2, shre

L1, toul sext = L2, head

T = L2, head

while T != NIL!

T. set = L1

T=T, rext

L1, toul = L2, toll

L1, she = L1, shre + L2, shre

setum L1

else

we sto somo pongeni x m y

1' L1 m L2,

To note itam ships nopolino pointer sigi polito na rooly element sched siste, roolo no note ship moteno noch regionor pedstantia (rooly el 1 is liste) tolio ato coleno no head no no politer hisi pointo na rooly element liste. Posto nomo potimo pointere, VSA se' O(1). MAKE-SET viase site site, a UNION se noto porseiri, tod UNIONA morono potandi majo ship sile veclog (seuristica terrible use). mpoloteoto ponter na redstantia shipa ro majo ship da posinta no novog protondia (rooly el recter shipa).