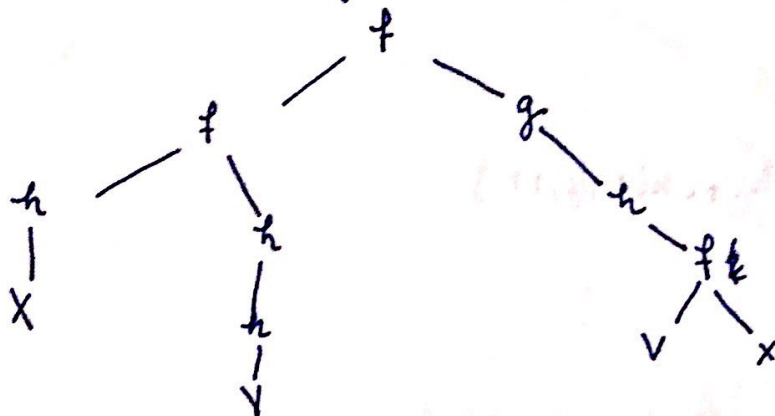
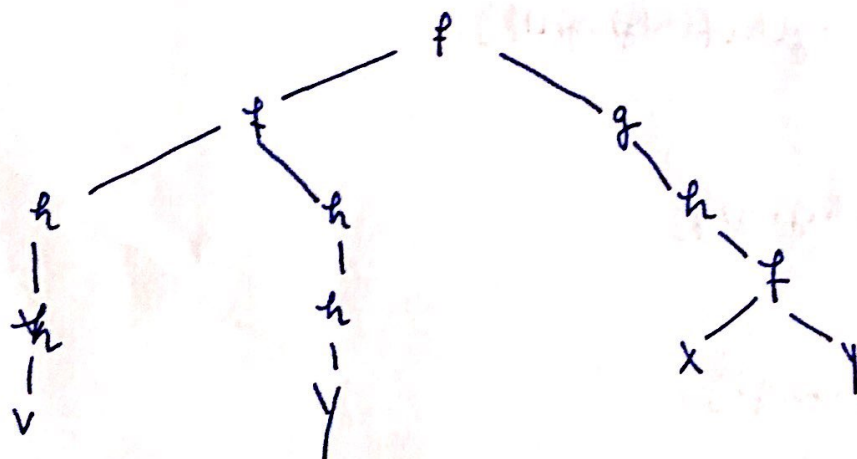


1.

$$f(f(h(x), h(h(v))), g(h(f(v, x))))$$



$$f(f(h(h(v)), h(h(y))), g(h(f(x, y))))$$



$$S = \emptyset$$

$$R = \{f(f(h(x), h(h(v))), g(h(f(v, x)))) = f(f(h(h(v)), h(h(y))), g(h(f(x, y))))\}$$

Decompose

$$S = \emptyset$$

$$R = \{f(h(x), h(h(v))) = f(h(h(v)), h(h(y))), (*)\}$$

$$g(h(f(v, x))) = g(h(f(x, y)))$$

Decompose (\*)

$$S = \emptyset$$

$$R = \{h(x) = h(h(v)), h(h(v)) = h(h(y)),$$

$$g(h(f(v, x))) = g(h(f(x, y)))\}$$

Decompose (\*)

$$S = \emptyset$$

$$R = \{x = h(v), h(h(v)) = h(h(y)),$$

$$g(h(f(v, x))) = g(h(f(x, y)))\}$$

Rezolvă

$$S = \{x = h(v)\}$$

$$R = \{h(h(v)) = h(h(y))\}$$

$$g(h(f(v, h(v)))) = g(h(f(h(v), y)))$$

Rezolvă Descompune (\*)

$$S = \{x = h(v)\}$$

$$R = \{h(h(v)) = h(h(y))\}$$

$$g(h(f(v, h(v)))) = g(h(f(h(v), y)))$$

Descompune (x)

$$S = \{x = h(v)\}$$

$$R = \{h(v) = h(y)\}$$

$$g(h(f(v, h(v)))) = g(h(f(h(v), y)))$$

Rezolvă (\*)

$$S = \{x = h(v), v = y\}$$

$$R = \{g(h(f(y, h(y)))) = g(h(f(h(y), y)))\}$$

Descompune

$$S = \{x = h(v), v = y\}$$

$$R = \{h(f(y, h(y))) = h(f(h(y), y))\}$$

Descompune

$$S = \{x = h(v), v = y\}$$

$$R = \{f(y, h(y)) = f(h(y), y)\}$$

Descompune

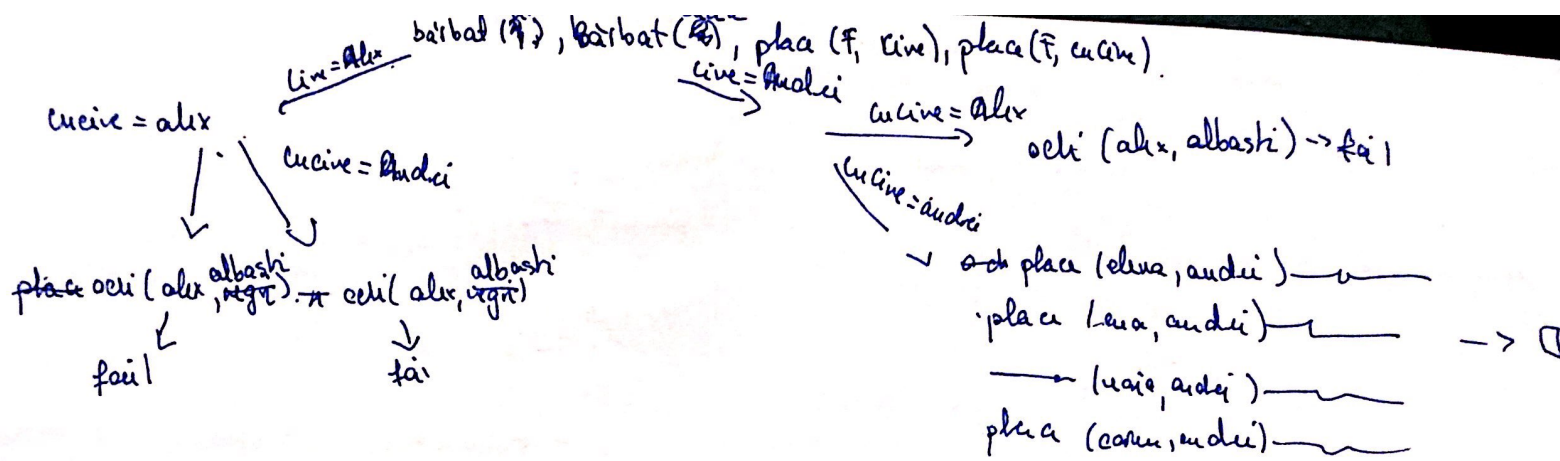
$$S = \{x = h(v), v = y\}$$

$$R = \{y = h(y), h(y) = y\} \rightarrow \text{eroare, un termen unificat}$$

$\text{civali}(\text{line}, \text{cucine}) \begin{cases} \text{1x} & \text{femie}(\text{line}), \text{femie}(\text{cucine}), \text{place}(\text{B}, \text{line}), \text{place}(\text{B}, \text{cucine}) \quad \text{I} \\ \text{1x} & \text{bărbat}(\text{line}), \text{bărbat}(\text{cucine}), \text{place}(\text{F}, \text{line}), \text{place}(\text{F}, \text{cucine}) \quad \text{II} \end{cases}$







$\Rightarrow$  rivali: Carmen - Carmen  
 Carmen - elena  
 andrei - andrei

elena - elena  
 elena - carmen

Ex 3

listintermnr([],[]).

listintermnr([H1|T1],[H1|T2]):- number(H1),listintermnr(T1,T2).

listintermnr([H1|T1],[Lista|T2]):-

not(number(H1)),creeazalista([H1|T1],Lista,Creata),listintermnr(Creata,T2).

creeazalista([],[],[]).

creeazalista([H1|T1],[],[H1|T1]):- number(H1).

creeazalista([H1|T1],[H1|T2],Creata):- not(number(H1)),creeazalista(T1,T2,Creata).