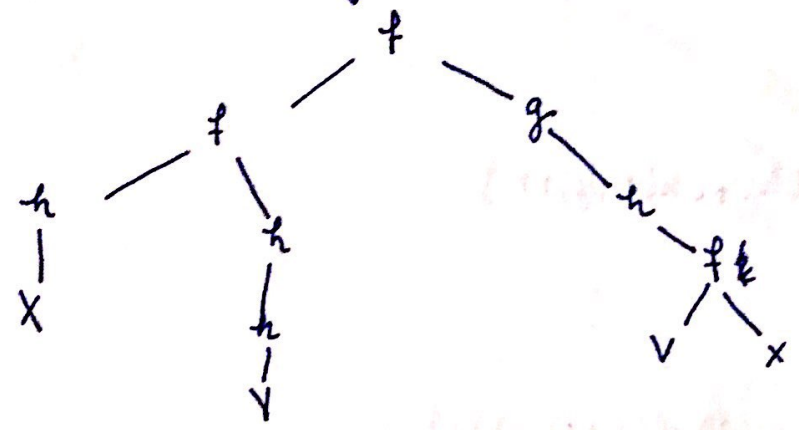
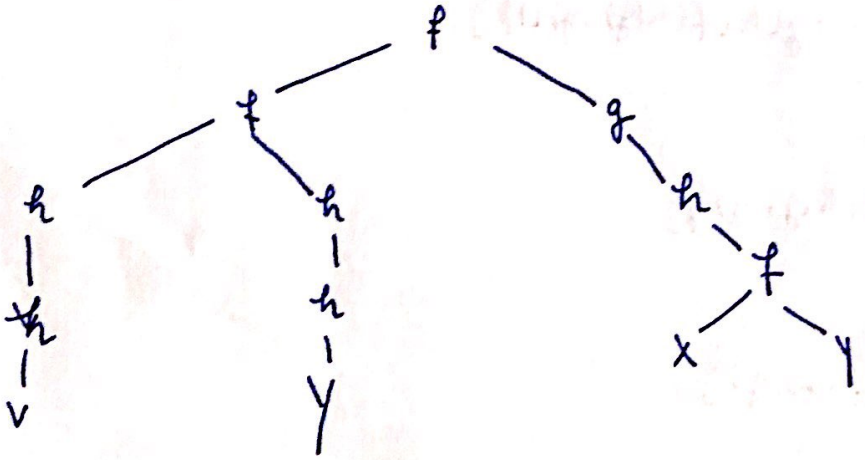
Examen Programare Logică

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



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



$S = \emptyset$

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

Descompune

$S = \emptyset$

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

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

Descompune (*)

$S = \emptyset$

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

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

Descompune $\circledast$

$S = \emptyset$

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

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

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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 h~~ $h(v) = h(y)\}^{(*)},$

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

Descompune (x)

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

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

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

Rezolvă (*)

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

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

Descompune

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

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

Descompunere

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

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

Descompunere

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

$R = \{y = h(y), h(y) = y\}$ -> eroare, nu avem unificator

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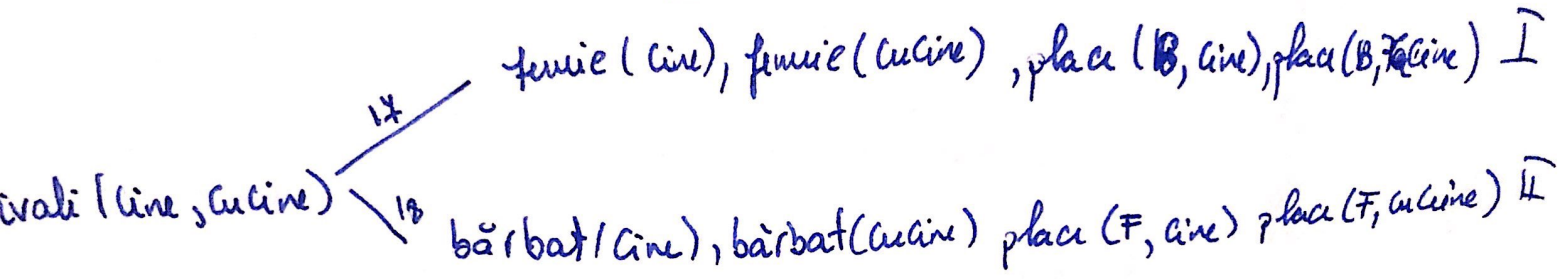

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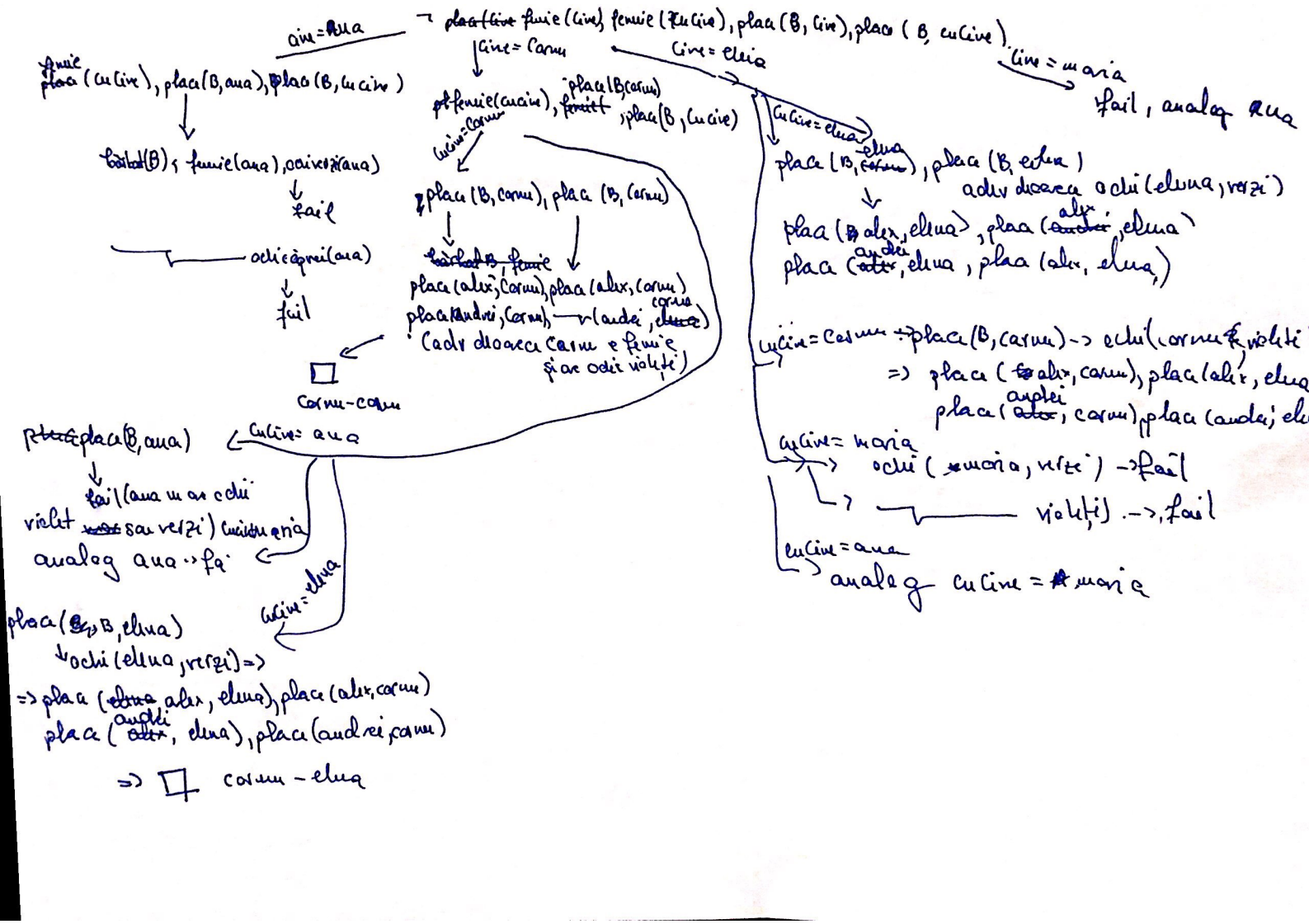
cine=ana
cine=carmu
cine=elena
cine=maria
fail, analog ana
cucine=elena
cucine=carmu
cucine=ana
cucine=maria
analog cucine=maria
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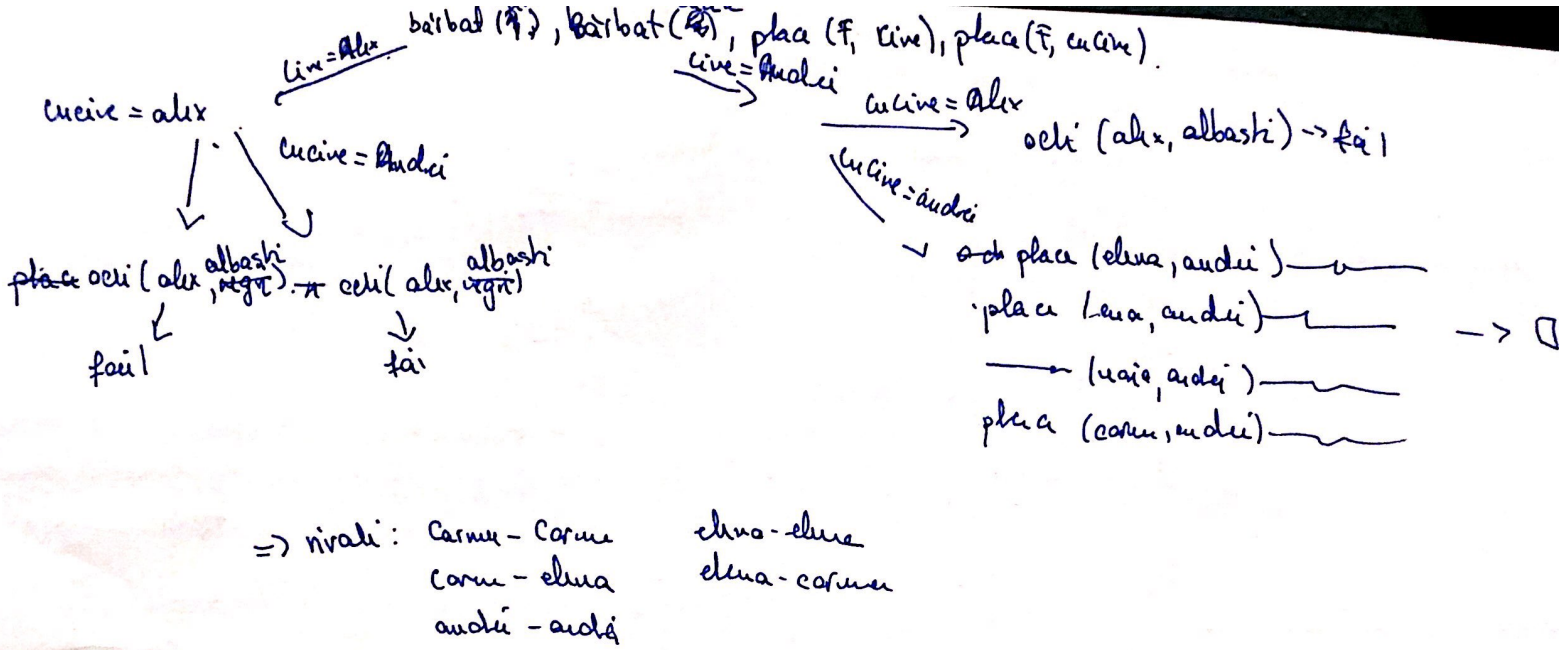

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