

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung

female(mary)

parent(mary,M,F)

parent(john,M,F)

female(mary).

parent(C,M,F):-
 mother(C,M),
 father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
 parent(mary,M,F),
 parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung

female(mary)

Call: female(mary)

female(mary).

parent(mary,M,F)

parent(C,M,F):-
 mother(C,M),
 father(C,F).

mother(john,ann).
mother(mary,ann).

parent(john,M,F)

father(mary,fred).
father(john,fred).

?- female(mary),
 parent(mary,M,F),
 parent(john,M,F).

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female(mary)

Call: female(mary)

Exit: female(mary)

female(mary).

parent(mary,M,F)

parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

parent(john,M,F)

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung

female(mary)

parent(mary,M,F)

parent(john,M,F)

Call: female(mary)

Exit: female(mary)

Call: parent(mary,M,F)

female(mary).

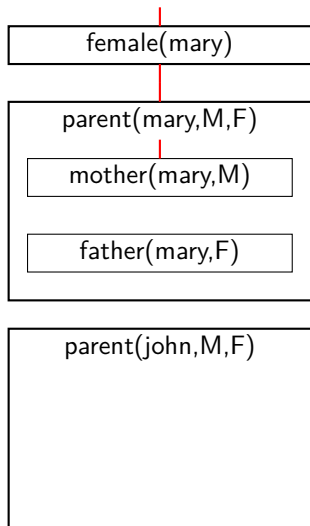
parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung



Call: `female(mary)`

Exit: `female(mary)`

Call: `parent(mary,M,F)`

Call: `mother(mary,M)`

`female(mary).`

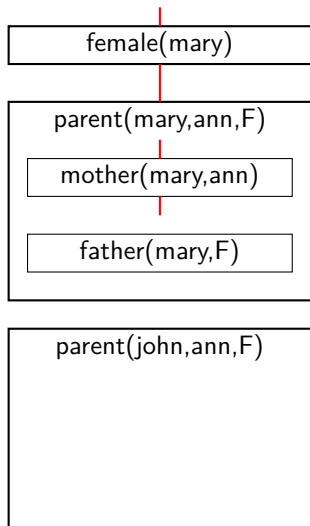
`parent(C,M,F):-
mother(C,M),
father(C,F).`

`mother(john,ann).
mother(mary,ann).`

`father(mary,fred).
father(john,fred).`

?- `female(mary),
parent(mary,M,F),
parent(john,M,F).`

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Call: female(mary)

Exit: female(mary)

Call: parent(mary,M,F)

Call: mother(mary,M)

Exit: mother(mary,ann)

M = ann

female(mary).

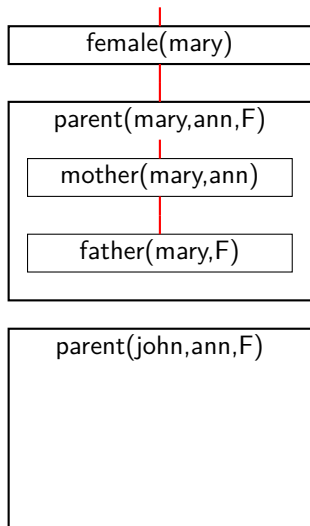
parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

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Call: female(mary)
Exit: female(mary)
Call: parent(mary,M,F)
Call: mother(mary,M)
Exit: mother(mary,ann)
Call: father(mary,F)

M = ann

female(mary).

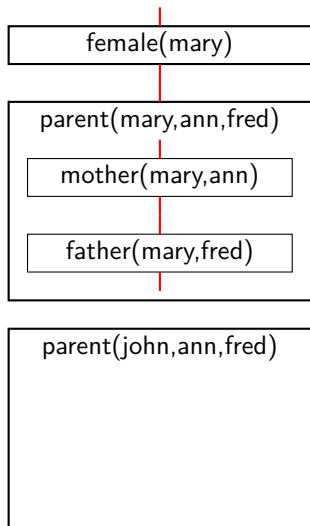
parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung



Call: female(mary)
Exit: female(mary)
Call: parent(mary,M,F)
Call: mother(mary,M)
Exit: mother(mary,ann)
Call: father(mary,F)
Exit: father(mary,fred)

M = ann
F = fred

female(mary).

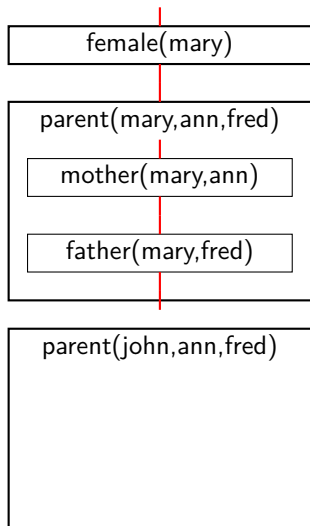
parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung



Call: female(mary)
Exit: female(mary)
Call: parent(mary,M,F)
Call: mother(mary,M)
Exit: mother(mary,ann)
Call: father(mary,F)
Exit: father(mary,fred)
Exit: parent(mary,ann,fred)

M = ann
F = fred

female(mary).

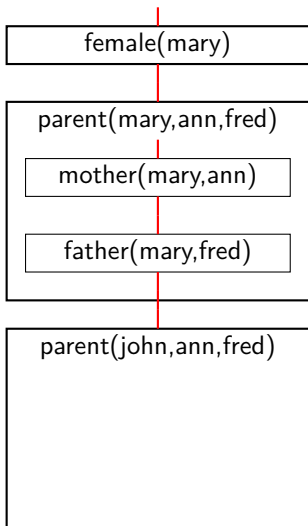
parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung

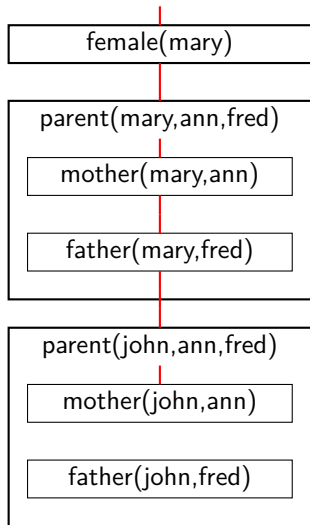


Call: female(mary)
Exit: female(mary)
Call: parent(mary,M,F)
Call: mother(mary,M)
Exit: mother(mary,ann)
Call: father(mary,F)
Exit: father(mary,fred)
Exit: parent(mary,ann,fred)
Call: parent(john,ann,fred)

M = ann
F = fred

female(mary).
parent(C,M,F):-
 mother(C,M),
 father(C,F).
mother(john,ann).
mother(mary,ann).
father(mary,fred).
father(john,fred).
?- female(mary),
 parent(mary,M,F),
 parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung



Call: female(mary)
 Exit: female(mary)
 Call: parent(mary,M,F)
 Call: mother(mary,M)
 Exit: mother(mary,ann)
 Call: father(mary,F)
 Exit: father(mary,fred)
 Exit: parent(mary,ann,fred)
 Call: parent(john,ann,fred)
 Call: mother(john,ann)

M = ann
 F = fred

female(mary).

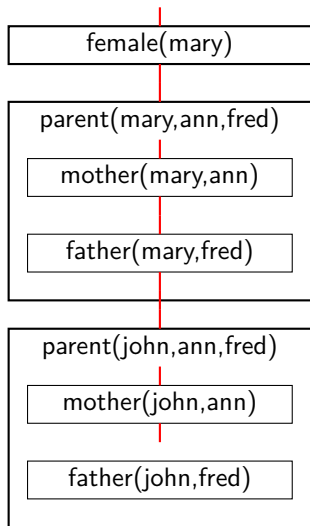
parent(C,M,F):-
 mother(C,M),
 father(C,F).

mother(john,ann).
 mother(mary,ann).

father(mary,fred).
 father(john,fred).

?- female(mary),
 parent(mary,M,F),
 parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung



Call: female(mary)
Exit: female(mary)
Call: parent(mary,M,F)
Call: mother(mary,M)
Exit: mother(mary,ann)
Call: father(mary,F)
Exit: father(mary,fred)
Exit: parent(mary,ann,fred)
Call: parent(john,ann,fred)
Call: mother(john,ann)
Exit: mother(john,ann)

M = ann
F = fred

female(mary).

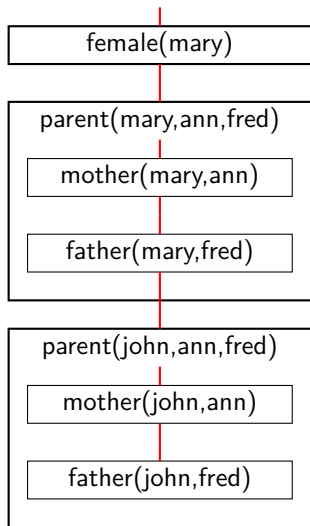
parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung



Call: female(mary)
Exit: female(mary)
Call: parent(mary,M,F)
Call: mother(mary,M)
Exit: mother(mary,ann)
Call: father(mary,F)
Exit: father(mary,fred)
Exit: parent(mary,ann,fred)
Call: parent(john,ann,fred)
Call: mother(john,ann)
Exit: mother(john,ann)
Call: father(john,fred)

M = ann
F = fred

female(mary).

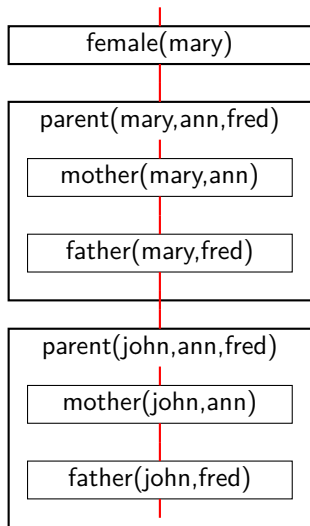
parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung



Call: female(mary)
Exit: female(mary)
Call: parent(mary,M,F)
Call: mother(mary,M)
Exit: mother(mary,ann)
Call: father(mary,F)
Exit: father(mary,fred)
Exit: parent(mary,ann,fred)
Call: parent(john,ann,fred)
Call: mother(john,ann)
Exit: mother(john,ann)
Call: father(john,fred)
Exit: father(john,fred)

M = ann
F = fred

female(mary).

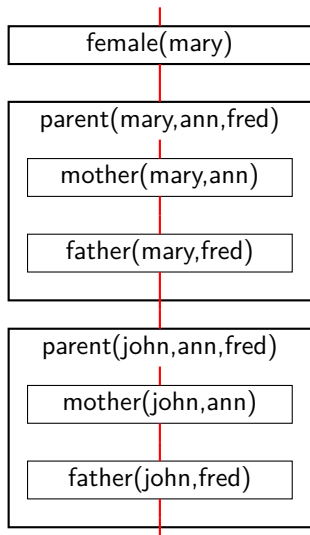
parent(C,M,F):-
mother(C,M),
father(C,F).

mother(john,ann).
mother(mary,ann).

father(mary,fred).
father(john,fred).

?- female(mary),
parent(mary,M,F),
parent(john,M,F).

Beispiel Clocksin Mellish S.38: Ablauf der Abarbeitung



Call: `female(mary)`
Exit: `female(mary)`
Call: `parent(mary,M,F)`
Call: `mother(mary,M)`
Exit: `mother(mary,ann)`
Call: `father(mary,F)`
Exit: `father(mary,fred)`
Exit: `parent(mary,ann,fred)`
Call: `parent(john,ann,fred)`
Call: `mother(john,ann)`
Exit: `mother(john,ann)`
Call: `father(john,fred)`
Exit: `father(john,fred)`
Exit: `parent(john,ann,fred)`

M = ann
F = fred

`female(mary).`

`parent(C,M,F):-
mother(C,M),
father(C,F).`

`mother(john,ann).
mother(mary,ann).`

`father(mary,fred).
father(john,fred).`

?- `female(mary),
parent(mary,M,F),
parent(john,M,F).`