Module Functioneel en Logisch Programmeren

Logout

Proof Tree

0. ouder(max, ale)

0.1. ma(max, ale)

Substitute [ ] for [ ] Substitute (e.g. substitute bea for X0)

Check Proof | Reset Tree

Color coding help

- Incorrect rule application
- Incomplete proof
- Correct rule
- Syntax error

Example data

Example data containing the Dutch royal family, the list structure and lookup, and the natural numbers (as discussed in the JCU lecture notes) can be loaded by clicking this link. Beware that this will replace all your existing rules!

Stored Rules

Drag a rule form the list below to a field containing a term in the tree on the left.

- append(nil, X, Y).
- append(A:X, Y, A:Z):-append(X, Y, Z).
- elem(X, X:Y).
- elem(X, Z:Y):-elem(X, Y).
- plus(zero, X, X).
- plus(succ(X), Y, succ(Z)):-plus(X, Y, Z).
- ouder(X, Y):-pa(X, Y).
- ouder(X, Y):-ma(X, Y).
- voor(X, Y):-ouder(X, Y).
- voor(X, Y):-ouder(X, Z), voor(Z, Y).
- oma(X, Z):-ma(X, Y), ouder(Y, Z).
- man(X):-elem(X, claus:alex:con:fri:empty).
- ma(mien, juul).
- ma(juul, bea).
- ma(bea, alex).
- ma(bea, con).
- ma(bea, fri).
- ma(max, ale).