

```
haschild(alice, charlie).
haschild(bob, charlie).
haschild(edith, alice).
woman(alice).
woman(edith).
man(bob).
man(charlie).
parent(X) :- haschild(X, _).
grandparent(X) :- haschild(X, Y), haschild(Y, _).
father(X) :- parent(X), man(X).
mother(X) :- parent(X), woman(X).
grandfather(X) :- grandparent(X), man(X).
grandmother(X) :- grandparent(X), woman(X).

?- woman(alice). -> yes.
?- man(alice). -> no.
?- haschild(X, charlie). -> alice, bob.
?- parent(X). -> alice, bob, edith.
?- grandmother(X). -> edith.
?- parent(charlie). -> no.
```