**Opdracht kennisbanken (AI)**

**Link naar resultaat**

* <http://tpcg.io/_6K5D56>

**Code**

:- initialization(main).

% Gender relaties

male('James I').

male('Charles I').

male('James II').

male('Charles II').

male('George I').

female('Elizabeth').

female('Sophia').

female('Catherine').

% Parent relaties

parent('James I', 'Charles I').

parent('James I', 'Elizabeth').

parent('Charles I', 'James II').

parent('Charles I', 'Charles II').

parent('Charles I', 'Catherine').

parent('Elizabeth', 'Sophia').

parent('Elizabeth', 'George I').

% Definieer sibling relatie

sibling(A, B) :-

parent(P, A),

parent(P, B),

A \= B.

% Definieer sister relatie

sister(A, B) :-

female(A),

parent(P, A),

parent(P, B),

A \= B.

% Definieer brother relatie

brother(A, B) :-

male(A),

parent(P, A),

parent(P, B),

A \= B.

% Definieer tante relatie

aunt(A, B) :-

female(A),

parent(P, B),

sibling(A, P).

% Definieer oom relatie

uncle(A, B) :-

male(A),

parent(P, B),

sibling(A, P).

% Definieer grootouder relatie

grandparent(A, B) :-

parent(A, P),

parent(P, B).

% Definieer neef/nicht relatie

nephew\_or\_niece(A, B) :-

parent(P, A),

sibling(P, C),

parent(C, B),

A \= B.