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Assignment: Family tree using prolog

United states international university

APT1030B

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```
 5  % Facts about fathers
 6  father(dawa, jarso).
 7  father(dawa, halkano).
 8  father(jarso, abdirizak).
 9  father(jarso, abdi).
10  father(halkano, said).
11  father(halkano, abdullahi).
12  father(abdullahi, hussein).
13  father(abdullahi, guyo).
14  father(abdirizak, aisha).
15  father(abdirizak, yasmin).
16
17  % Facts about mothers
18  mother(hakule, jarso).
19  mother(hakule, halkano).
20  mother(abdia, abdirizak).
21  mother(abdia, abdi).
22  mother(sofia, said).
23  mother(sofia, abdullahi).
24  mother(biftu, hussein).
25  mother(biftu, guyo).
26  mother(iqra, aisha).
27  mother(iqra, yasmin).
28
29
30  % Rulr to define father
31  father(X, Y) :-
32      parent(X, Y),
33      male(X).
34
35  % Rule to define mother
36  mother(X, Y) :-
37      parent(X, Y),
38      female(X).
39
40  % Helper predicate to define parents
41  parent(X, Y) :-
42      father(X, Y).
```

parent(X, aisha).
X = abdirizak

mother(X,yasmin).
X = iqra

father(X,abdirizak).
X = jarso
X = jarso

parent(jarso, X).
X = abdirizak
X = abdi
X = abdirizak

parent(X, aisha).
X = abdirizak
X = abdirizak

spouse(X, hakule).
X = dawa

spouse(dawa, X).
X = hakule

?-
sibling(jarso, X).

Examples▴   History▴   Solutions▴   ☐ table results   Run!