CMPSCI4250 Project3 Question1

10/20/19

```
1
    male(pete).
2
    male(mark).
3
    male(john).
4
    male(frank).
5
    male(tom).
6
    male(matt).
7
    male(henry).
8
    male(todd).
9
10
    female(lilly).
    female(kate).
11
12
    female(anne).
13
    female(alice).
    female(jenny).
14
15
16
    parent(pete, mark).
    parent(pete, tom).
17
    parent(pete, anne).
18
19
    parent(mark, lilly).
    parent(mark, john).
20
21
    parent(mark, frank).
22
    parent(tom, kate).
23
    parent(anne, alice).
    parent(anne, matt).
24
25
    parent(alice, henry).
    parent(matt, jenny).
26
    parent(matt, todd).
27
28
    sister(Sis, Sibling) :- female(Sis), parent(Parent, Sis), parent(Parent, Sibling), Sis \= Siblir
29
30
    brother(Bro, Sibling) :- male(Bro), parent(Parent, Bro), parent(Parent, Sibling), Bro \= Sibling
31
32
    sibling(Sibling1, Sibling2) :- parent(Parent, Sibling1), parent(Parent, Sibling2), Sibling1 \= $
33
34
35
    father(Dad, Child) :- male(Dad), parent(Dad, Child).
36
    mother(Mom, Child) :- female(Mom), parent(Mom, Child).
37
38
    grandparent(GrandParent, Child) :- parent(Parent, Child), parent(GrandParent, Parent).
39
```

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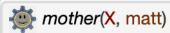




false



false



X = anne

false



true