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- 6	tree a prolog program for the family
	thee.
	/* Facts */
	male Chandik)
	male C Karan J.
	male Csatish).
	male Cjames J.
	male C simon)
	male Channy).
	female Chelens.
	female (Sophie).
	female Cjess).
	female Clily).
	panent Cjack, jess).
	panent Cjack, jess). panent Cjack, lily). panent Chelen, jess). panent Chelen, lily). panent Coliven, james).
	panent Chelen, jess).
	passent Chelen, lily J.
	panent Coliven, james).
	panent Csophie, james).
	panent Cjess, simon).
	panent C sophie, james). panent C jess, simon). panent C ali, simon). panent C lily, hanny). panent C james, hanny).
	panent Clily, hanny).
	parent Cjames, harry.

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/* Rules */

father (X, Y):- male (X),
parent (X, Y).

mothen (X,Y):- female (X),

grandfathen CX,Y):- male CX), panent CX,Z), panent CZ,Y).

grandmother (X,Y):-female (X),

parent (X,Z),

parent (Z,Y).

sister (X,Y):- % (X,Y or Y,X)%
female (X),
father (F, Y), father (F, X), X = Y.

Sisten CX, Y):- female CX),
mother CM, Y), mother CM, X), X \=Y.

qunt (x, y):- female (x),
panent (Z, y), sisten(Z, x),!

bnothen (X,Y):-%(X,Y on Y, X)%

male (X),

futhen (F,Y), fathen CF, X), X \=Y.

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	brother (X, Y):- male (X),
	mother CM, Y), mother CM, X2, X \= Y.
	uncle (X, Y):-
	parent CZ, YJ, brother CZ, XJ.
	anceston: - pament CX, Y).
	anceston: - panent (X, Y).
	anceston (Z,Y).
	The given statement is a Prolog rule that defines the relationship father (x, y).
_	defines the relationship father (x, y).
	Let's break it down:
	11 fathen (X, Y): - male (X), panent (X, Y).
	// Meaning
	1/ Father CX, Y) is true if:
	// X is male Cmale CXDD.
	11 X is a parent of Y Charent CX, YDD.
	// Meaning:
	11 father CX, Y) is true if:
	// X is male Cmale CXDD.
	// x is a pagent of y Cpagent Cx, you.

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		Date
*	Output	
	2 5 11 - 6 11 11 5	
	? - futher Cx, y)	
	X = JCICK, $Y = Jess$	
	X = jack, Y = jess $X = jack, Y = lily;$ $X = olives, Y = james;$	
	X = ali, Y = simon;	
	X = james, Y = harry;	
2	? - mother CX, YJ.	
pu ^{ty}	X = helen, Y = jess;	
, ev	x = helen, Y = lily;	
A 40 1	X = sophie, Y = james; X = jess, Y = simon;	
	X = Jily, Y = hanny;	
20-	and the state of t	
3.	? - grandfather CX, harry).	1 1 1 1
,	X = Oliven;	7.1
<i>-</i>	x = ali;	· · · · · · · · · · · · · · · · · · ·
1	2	1 1
4.	? - anceston Cjack, hanny).	
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