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Prof. Beeston
CS 210

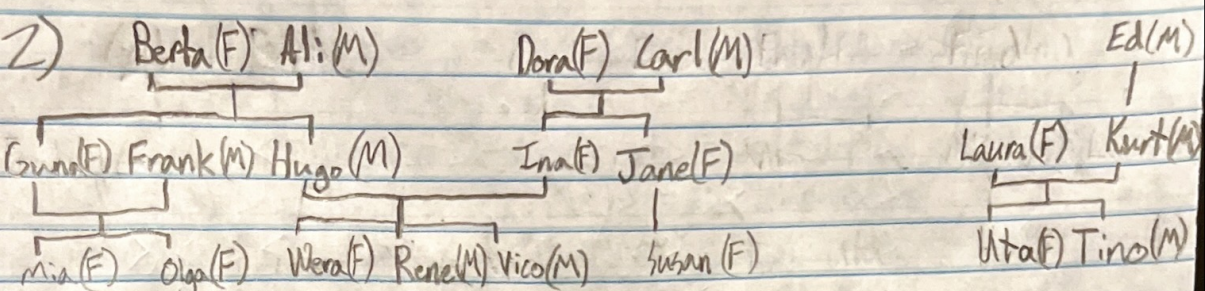
Assignment #3

4/5/2021

1) <clause> ::= <fact> | <rule>
<fact> ::= <term>.
<rule> ::= <term> :- <termlist>.
<termlist> ::= <term> | <term>, <termlist>
<term> ::= <constant> | <variable> | <compound term>
<constant> ::= <integer> | <real number> | <atom>
<compound term> ::= <atom>(<term list>)
<program> ::= <clause> | <clause> <program>

2) Back Side

2)



Rules:

male(ali) ✓
male(carl) ✓
male(ed) ✓
male(frank) ✓
male(hugo) ✓
male(kurt) ✓
male(rene) ✓
male(vico) ✓
male(tino) ✓

female(berta) ✓
female(dora) ✓
female(guna) ✓
female(ina) ✓
female(jane) ✓
female(laura) ✓
female(mia) ✓
female(olga) ✓
female(wera) ✓
female(susan) ✓
female(uta) ✓

parent(ali, guna) ✓
parent(ali, hugo) ✓
parent(carl, ina) ✓
parent(carl, jane) ✓
parent(ed, kurt) ✓
parent(frank, mia) ✓
parent(frank, olga) ✓
parent(hugo, wera) ✓
parent(hugo, rene) ✓
parent(hugo, vico) ✓
parent(kurt, tino) ✓
(kurt, uta) ✓

parent(berta, guna) ✓
parent(berta, hugo) ✓
parent(dora, ina) ✓
parent(dora, jane) ✓
parent(guna, mia) ✓
parent(guna, olga) ✓
parent(ina, wera) ✓
parent(ina, rene) ✓
parent(ina, vico) ✓
parent(jane, susan) ✓
parent(laura, tino) ✓
parent (laura, uta) ✓