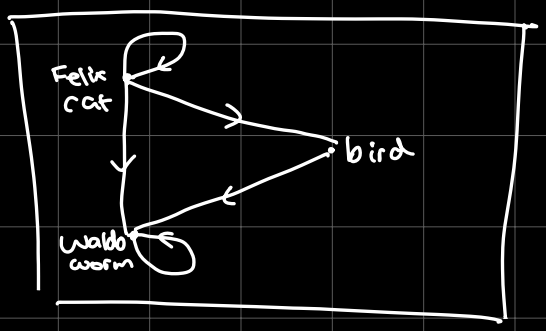
4b. Everything on the table is red and everything green is in the box

5aii. $\exists x, y, z\,(child(y, z, x))$

5aiv. $\forall x, y\,(sibling(x,y) \rightarrow [\exists z[father(x,z) \vee father(y,z)] \vee \exists m[(mother(m,x)) \vee (mother(m,y))])$

5c. $\forall x, y\,[x = father\_of(y) \iff [male(z) \wedge \exists z[child(y,z,x)]$

6f.



There exists a u that is chased by everything.

Yes, the worm

6h. There exists an animal that chases everything. the cat.

7i. $E\ \forall x,y[[triangle(x) \wedge triangle(y)] \rightarrow [(above(x,y)) \vee above(y,x))]$

7i H. $\exists x([\neg circlec(x) \wedge \forall y[left(x,y) \vee left(y,x)] \rightarrow \neg circlec(y)])$

7ii. True $\rightarrow E$

False $\rightarrow H$