

Ex 2. No animals one unicarys All unicorns are houses : some horses are not animals a = animal b = unicorns c = hovses a = 16 b = c

c # a

lot sound, as a sound syllogism

will always have an even humber

of (-1) and (=) symbols. a = -16 6 = c Not sound, as a sound syllegism will always have an even humber Ex3. 1 a = b. c = a afb b = c = c = a = b  $\Rightarrow a \neq b c \neq a$   $\Rightarrow a \neq b c \neq a$   $c \neq \neg b$ 

Ex U.

1. 1s Big, is Aber # has Thich Border 2. is Small # - 1s Disc

is Small, is Square F - is Amber

Ex 5,6: In file Things.hs

This property does hold, as every Venn diagram with 3 predicates ear be represented with a unique set of propesitions gathered from the relation ships of any 2 predicates, which can be represented as a 2 predicated Veryn.