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Alessia Mazzone CS 1571
                                   HW 5
               Proposition Symbols
 #1
                     A = mammal
                    H = horne/
            y = mythrical
            = immortal M= magrical
 Numberge Base
M <= H
Conjunction Albert Form
                       = y v(TIA 4)
            775 v (7± x &)
7y=7(7±1A) =
(±vA)=7H =
            T (IVA) V H
H=7 M =
            THV MV
1) move 7 inwards (7#174) V H
7 ( = VA ) VH =
(3) Distribute
 y ( ( ) = ( y v 7 = ) x ( y v A )
 (TENTA) VH = (HVTA) N (HVTE)
No in CNF = (Ty VI) 1 (TH VM) 1 (yV7=) 1(yVA) 1 (HV7A) 1 (HV7I)
   X = Universe is horned. = H
  «3 = Various is my thrical = y
BBATH (TYVI) A (THVM) A (YV7I) A (HV7A) A (HV7I) A TH
 (HV7y), (yVA)
           (HVA) (HV7A)
H 7H
                                 Controdiction. Thus KB = 0,
 \frac{C_1}{\text{nepsk}} \propto_2 \rightarrow \propto_2 = M \rightarrow \neg M
 HBA Z2 = (7yVF)A (7HVM)A (YVTF)A (YVA)A (HV7I)A 7M
                   (H v M), (H v ¬ F)
                         (M \vee \gamma I), (\gamma y \vee I)
                            (M \vee 7 y) (y \vee A) (H \vee 7 A)
                                                                           Contradiction.
                                    (M v H), (¬H°, M)

M, ¬M

X
                                                                             thus NB # dz
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 $\frac{\alpha_{3}}{\alpha_{3}=y} \rightarrow \text{nefakt } \alpha_{3} = \neg y$ $\text{NB} \land \neg y = (\neg y \lor I) \land (\neg H \lor M) \land (y \lor \neg I) \land (y \lor A) \land (H \lor \neg A) \land (H \lor \neg I) \land \neg y$ $\frac{(y \lor A)}{(y \lor H)} \frac{(\neg H \lor M)}{(\neg H \lor M)}$ $\frac{(y \lor H)}{(\neg H \lor M)} \frac{(\neg H \lor M)}{(\neg H \lor M)}$ $\frac{(y \lor H)}{(\neg H \lor M)} \frac{(\neg H \lor M)}{(\neg H \lor M)}$ $\frac{(y \lor H)}{(\neg H \lor M)} \frac{(\neg H \lor M)}{(\neg H \lor M)}$ $\frac{(y \lor H)}{(\neg H \lor M)} \frac{(\neg H \lor M)}{(\neg H \lor M)}$ $\frac{(y \lor H)}{(\neg H \lor M)} \frac{(\neg H \lor M)}{(\neg H \lor M)}$

#2