HWS Qiaowei Li 9xe161930

76001 1(3x 3) N(x) NF(x) N DA) N L(y) N IMT (x,y) => PTBK (y,x))

- 1. =x =y Ly) ~ G(y) ~ N(x) ~ IMT (x, y) ~ W(x) => PTBK (y, x
- 2. $\exists x \exists y \quad man(x) \land woman(y) \land IMT(x,y) \land (T(x) \Rightarrow w(x))$ $\land (D(y) \Rightarrow T(x))$
- 3. =x =y man (x) A woman (y) A (F(y) => G(x))
- 4 \x Lady (x) => wman (x)

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TG:

VXY NOO ~ FIX) ~ D(Y) ~ L(Y) ~ IMT(X,Y) ~ 7 PTBK (Y, X)
     7G: NX)
           F/x)
           D(7)
           L(V)
           IMT(x,y)
          PTBK (Y, X)
   1.3x37(T(A) V (P(A) V NON V INT (x.A) V M(X)) A DIBK (X'X)
     3x3y 7/4) x 76(4) x 7Nx) x 2MT(x,4) x Wx) x PTBK (4, x)
         7L(b) v7G(b) v7N(a) v7INT(a, b) v7W(x) vPTBK(b, a)
        =x 37 man(x) & woman (y) & IMT (x, y) & ( T(x) v w(x)) & (D(y) v T(x)
        man (e) A woman (d) A IMT (ad) A (Tro) v W(e) / (70(d) v Tro)
           mon (1)
           Woman (d)
           IMT (c, d)
          7T(1) V W(0)
          Did) v T(c)
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3. Ix If man (x) A woman (y) A (Tr(y) V GIX))

man (e) A woman (f) A (Tr(f) V G(e))

man(e)
woman (f)

7
F(f) v G(e)

4. TL(x) V Woman (x)

we have L(x) = noman (x)

From 1. wand 76.

From 2 and 6

W(1) v 701d) //d W(1) -/

From 3 and G

7F(f) v G(e) 7/4 G(e) _ C

From a.b. c.

we have when subjected of the result well to (e)

is contradictory, we can have the conclusion the lady

persuade the noble to want to be king.

otherwise the lady may not persuade the hobbe

want to be the king.