EXAM 15.02, 18

 $\forall \times (G(x) \land S(x)) = 7 (\exists c \land (x, B) \land \exists c \land (x, N))$

 $\forall \times (R(x) \land S(x)) = \Rightarrow \in \omega + (x, B)$

 $\forall \times (\neg G(x) \land S(x)) = \nearrow 2(x)$

S(Fro)

Clausel form;

NB= { }7G(x),7S(x), Ext(x,B)3, {7G(x)

7G(x) V7S(x) VEct(x,B)

7 S(x), Ect(x, M)32, 27 R(x), 7S(x), Ect(x, 8)3

7 G(X) V7 S(X) V EOX (X,M)

₹G(X), ¬S(X), R(X) ₹4, ₹S(Fre) ₹5 €.

7 R(x) V7 S(x) V Eat (X, B)

G(x) V 7 S(x) V R(x)

S(Fro)

The thesis is: Ect (Fra, Bread) V Ect (Fra, Notella). I have to regate it! 3 - Ect (Fra, B) 36, 2 - Ect (Fra, N) 3+

1 and 3 => {7G(x),7S(x),7R(x), Ect(x,B)38

2 and 8 => } -G(x), -S(x), -R(x), Ect(x,B), Ect(x,M)39

4 and 9 => } 7 S(x), Eat(x, B), Eat(x, N) }io

5 and 10 => } Eat(Fra, B), Eat(Fra, M) ; 11

6 and 11 => { Eat (Fro, M)312

7 and 12=> 33

Hodel M = 2 S(Fro), G(Fro), Eat(Fro, B), Eat(Fro, M)?Is possible to replace G with R.