Program 9

Constring of FOIE to (NF

1. Fliminate Bisondilinas unit

2. Implicator & ~ P VQ

3. Apply De Morgan's daws and distribute regotion invents until it applies to atom propositions

4. Each isonials hust have unique non

5. Replace I sustanted quantifies by spelar functions

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5. Replace I sustanted quantifies by spelar functions

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den match in matches [::-1]	prior (for to cost (" trio (s) = ~ flagle)
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return Skolinization (Natar)	apilana de de
(Male)	in comment soil wine

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print("Harshala Rani 1BM21CS074")
print($kolemization(fol_to_cnf("animal(y)<=>loves(x,y)")))
print($kolemization(fol_to_cnf("∀x[∀y[animal(y)=>loves(x,y)]]=>[∃z[loves(z,x)]]")))
print(fol_to_cnf("[american(x)&weapon(y)&sells(x,y,z)&hostile(z)]=>criminal(x)"))

Harshala Rani 1BM21CS074
[~animal(y)|loves(x,y)]&[~loves(x,y)|animal(y)]
[animal(G(x))&~loves(x,G(x))]|[loves(F(x),x)]
[~american(x)|~weapon(y)|~sells(x,y,z)|~hostile(z)]|criminal(x)
```