UYSHNAVIMAN BMIRCSIZS 5'C' EZ

Program 2:

consider 3 and T as valuables

i) a: 7 (svT)
ii) c: T V7T

and show whether 'a' extails 'c')

dy Process Rule (vuli):

rule : rule. replace ('n', not)

vale = vul. replace ('n', 'and')

Tule = rule. ruplace ('v', cor')

seturn rule

dy formet Rule (rule, B. 4):

B, TE SER(S), SER(A)

rule: rule. replace (151, 3)

vule = vule . veplace (171, +)

seturn sule

des checkEntailment (rule, grung): model = [(False, False), (True, True), (Tralse, True), (True, False)]

rule : process Rule (rule)

entails : True

for B, T in models:

formattud Rule = formattule ('s, T)

print (b' Evaluating: { formatted Rule ?')

KB = leval (formatted Ruli) - query = s if query = = 's' ulse T Print 16' Knowledge Base: { KB}

anny: { -query};) entails = entails and xB and -query ifento ib print ('Knowledge Base entails the query') print ('knowledge Base doesn't entail the query') obleck Entailment (oule, query)