Artificial Intelligence Shashank Kumar 1BM18CS098 def process Rule (rule): rule= rule . replace ('n), hot)) rule = rule «replace ('N', 'and')
rule = rule b', replace ('V', 'or') de format Rule (rule, P, Q, R). P, Q, R= str (P), str (Q), str (R) rule = rule replace ('P), P) rule = rule. replace ('Q',Q)
rule = rule. replace ('R',R) return rule det check Entailment (rule, query): models = [ (False, False, False), (False, False, True), (False, True, False), (False, True, True), (True, False, False) (Trul, False, Fals Teme) (True, True, False) (True, True, True) rule = process Rule (rule) entails= True

for P,Q,R in models 8 formatted Rule = format Rule (rule P, Q, R)
print (j'Evaluating & Fjorm atted Rule)) KB= eval (formatted Rule 33) query = = 'P'else Q print (j'Knowledge Base & EKB3 Query 3 { query}) y KB: entails &= KB and - query else print ('Knowledge Base doesn't entail the query)

entail the query)

entail the query) rule, query=(RV~P)V(RV~Q) ^ (iRVP) ^
(~PVQ),(R) check Entailment (rule, query)