Ankit Kesar (1BM 18 (5150) Pam-3 variable = { 'p':0,0':1, 'R':29 priority = {'~' :3, 'n': 1, 'v': 2 } def - eval (i, val 1, val 2); if 1== 1/; Felurn val 2 and val 1 return val 2 or val 1 def is operand ( i) '. getween c. isalpha () and c 1= 'v' def is deft Parantheris (c): return (== = (1 del & Right Paranthesis (c): return (== ')'. def is stack Empty (4); return len(st) = = 0 def peckstack (stack) greturn stack (-1) def has bess or Equalpriority (11,12); toy action priority (c1) <= priority (c2) except keyerron return take

Lef to Postfix ( infix) Stack= 17 Postfix = 11 for can infix: if is Operand (c) postfox + = c elseif is Left Paranthesis (c) stack append () elseif is Right Paranthesis (C) operator = stack popl) while not is heft Parantheses (operator) postfix += operator operata = stack. pop() while (not is Empty (Stack)) and hasdeer Or Equal Priority a park stack)); postfix += stack pap (); actuan postfix def contrate (exp. comb). stark = [] bot i in exp! if is operand i) Stack append (comb(valiable (+3))

elific = +~1 val 1= stack.pop() Stack append (not well) return stock pop w def check Entailment (): Kb = input ('Enter the Knowledge Base; ') every: (input (" Enter the guery")); Combinations = ([Tene, T., T) (T, T, F) ] postfix-dp= to postfix(kb) Postfix - 9 = to postfix ( grey) tor comb in combinations: eval-kb = evaluate Postfix ( Postfix-b, combination) evalu 2 = evaluaty ostfix (postfix - q, combination) paint (combinatio, ": Kb=", eval-kb, ": q=", eval-q); if (eval- kb= = True) if (eval- q = False) part (" Does not entals") netur false put I The grey entails the knowledges ").