combinations =

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[ (Frue, True), (True, false), ( False, false), (False, True)] variable = { 18120, 11: 13

Kb 2 1

priderity: { (~):3, (v):1, (, °) ; 2}

dy input-rules(); global Kb, 9 Kbz (input ("Enter rule:") que zimpet "Enter query & i")

entail ment (1;

globel Kb, or p'rint ( 'Truth Table')

print ('Kb', (alpha')

for comb in combinations:

S= evaluate Postfix (to Postfix (Kb), comb) 5= e valuatipostfix (+opostfix (9), comb) Print (5,6)

is and not go return false

outurn True

deg +olostfix (infix): stack 2 [] postrix = " for cin postpringix: if isoperand (is: postfix += c else i is left faranthusis (c); stack. append (c) elig is Right Parantausis Cer: operator = stack. pop() while not is left Paranthesis (op): postfix to operator operator = stack-pop() while ( not is Empty (stack)) and nasless Or Equal Pri Derity (C, peck (stary) postfix+= stack. popl) stack. append(c) while ( not is Empty (stack)): postfix += stack. POP() outur postiix.

ausian TUSV deg evaluatePostfix (exp, comb): Stace = [] for in exp: it isoperand (i): stack, append (comb [variable[i]]) elif izz 'n': vall = stack. pop() val 2 = stack popl) Stack. append (-eval (i, val 2, val)) outurn stack. popl) der -eval (i, vali, val 2): if i zz 'h': outwin valz and val! duturn vall der val 2 in put\_ vulls() ans = entail ment() ib print ("Ko entails query") else: print ("Kb aousn't entail query")