

Lab-6 Create a knowledgebase using propositional logic & show that the given query entails the knowledge base or not

// combinations = { (true, T, T, (T, T, F), (T, F, T),  
(F, F, F), (F, T, T), (F, T, F), (F, F, T), (F, F, F) }

Variable = { 'p': 0, 'q': 1, 'r': 2 }

kb = ''

q = ''

priority = { '~': 3, 'v': 1, '^': 2 }

// input

Entailment ()

global kb, q

print ('\*' \* 10 + 'T.T Ref ' + '\*' \* 10)

print ('kb', 'alpha')

print ('\*', x10)

for comb in combinations:

s = evaluatePostfix (toPostfix (kb), comb)

f = evaluatePostfix (toPostfix (q), comb)

print (s, f)

print ('-' \* 10)

if s and not f:

return false

return True

// is Operand (c):

// is Left Parathesis (c)

// is Right Parathesis (c)

// is Empty

// peek

// has here equality

// to Postfix

// evaluatePostfix, eval