AT LAB TEST-2. Disha B 11/2022 Mas mas Suntiller (seed ton) 5A. 1). abilité a program so creatia knowledge base using propositional logic and show that the given querej entaile the knowledge base combinations: [(True, True, True), (True, True, False) (True, False, True), (True, False, False), (False, Toue, True), (False, Frue, False), (False, False, True), (False, False, (False) variable = { 'p':0, 'q':1, '91:29 poisoriety = { ~'; 3, 'v': 1, '1:2} def input-valer (): global Kb, q Kb=(input ("Enter rade:")) gr-ioput ("Enterthe query:") dif entailment(): global Kb, q Sound(***10+'Truth Table Reference"+ '* (*10) pount ('kb', alpha') pount ('*/*10) for could in combinations: e=evaluatePoetfix(foPoetfix(xb),comb)
of:evaluatePoetfix(foPoetfix(q,),comb) pount (s, f) pient (- +10) if & and not f: + reliver False return Frue

dit informant (c):

Puttien c. inalpha () and c! = v' Dilha B.

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def is Right Parawtheries (c):

outurn c == ')'

of istropty (stock): mas) xightor dandous. Its outeur stack - 15 def har Lus Or Equal Privarity (C1, C2):

try:

outnour privarity [C1] > privarity [C2] except keyError: retuen False def toPostfix (infix): stack: [] w love lange dools (1909. Arole menless. poetfix = ' for c in infix: if apperand Cos: :/sbv 160v ii) love fit postfix += C else:
if isheft Parantherie (c): stack append(c) elif ir Right Parantherer (c) operator = stack pople) while not intelleparantheiser (operator): vers distro real postfix+- operator) surg operator = stack-fop() else: adille (not in Empty (stack)) and hær Less Berkejeal Pouvoity (c, peck (stade): stack. append(c)

while (not in Empty (stack):

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postfix = stack-popl) : (6) rischer 1900 9+ felg. fu enthour poetfix def evaluatiforsfix (exp. comb): stack: []

for i in exp:

if in exp:

stack appund (comb (variable [i]])

elik i-initial elif i== "~!" plusone Hough Dealis. It vali = stack pop() stock append (not vall) vall = estack-pop() valz: stack. pop():// xight alot for eval (ivalz, val1)) stack. append (retuem stack.pop() '= x dhag force in infix: def eval(i vall valz): Duorigue de i == '1': return vale and val! saturn valz en valt expert ralle () west world place file ans = entailment() if ans : who will be have when else: point (" The troubledge Base Locust entail
query") Leaster the feet and the purity (or put the putted here when kB à true if xà alse true butput: only then kB fx. 3