LAB-OFT -: Propositional Logic: -P-19 (if P is true, Hore g is true) (We known P is true) Konsoledge Brised: Alire is nother of Bob Bob is the father of charlie. A jather is a parent A mother is a poront All the parents have children 06 If smeane is a parend, their children are not Seplings of Alire lis married to David Hypothesis: "charlie is a sibilings of Bob" Propositional Logic M(A,B): Alice is mother of Bob FCB, C): Bob is father of charile Parent (x): x 13 apparent Child (4, X): 4 is child of a Siblings (x, g) 2 x & y one Siblings Married (A, D): Alice is married to Paraid Parent (2) has children (4) who are Siblings (xqy).

	DatePage
Logical Reasoning:	
1) From Statement (DEG) 17(A,B) E(y,2) -> Alice is	Orașt
(CA,D) q(g,X) Alice B	Langin
2 From statement 2 & G	
(2) From statement (2) &(4) F(B,C) &(4,2) -> Bob is a	parent
O'	
3) From Statement 1 4 5 4 1	41
M(A,B) & F(B,C) & (2 & (2,4))
-> bob & charile most of	iblings.
of de ylast appellar is a grant?	N O
#Code :- was at Ma") has	The second secon
also Valia Harry you double	
class Knowoldge:	(x)
dy - inite = (Soly): Sely - rule = [] Sely - jacts = Set ()	A
Self-lacts=Set()	50
dej add fact (soly fact ()):	Y A'
sey jacts add (jact)	day
doy add-rule (soly promise, conc soly-rule-appoint ((pormis,	LUBA):
sey-rule-appoind (pornis,	(andulan))
dog infer (soly):	
doj infer (solj): new_inferum = True while new_inferum:	
while new inferm :	
if all (fact in sey facts	for just in
is conclusion not neey - 10	acts!
is conclusion not n sey je self jads add (long	clusion)