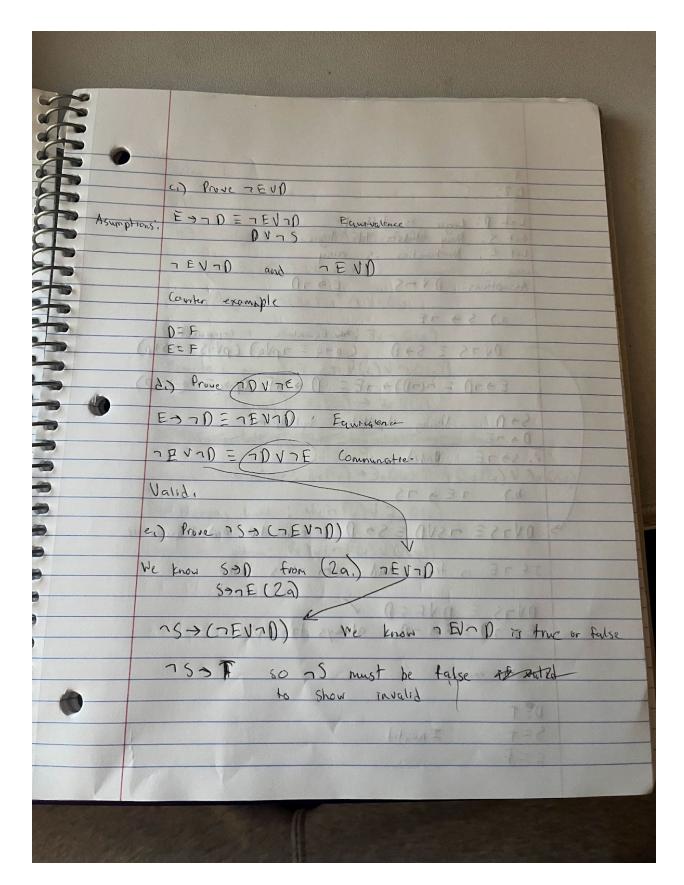
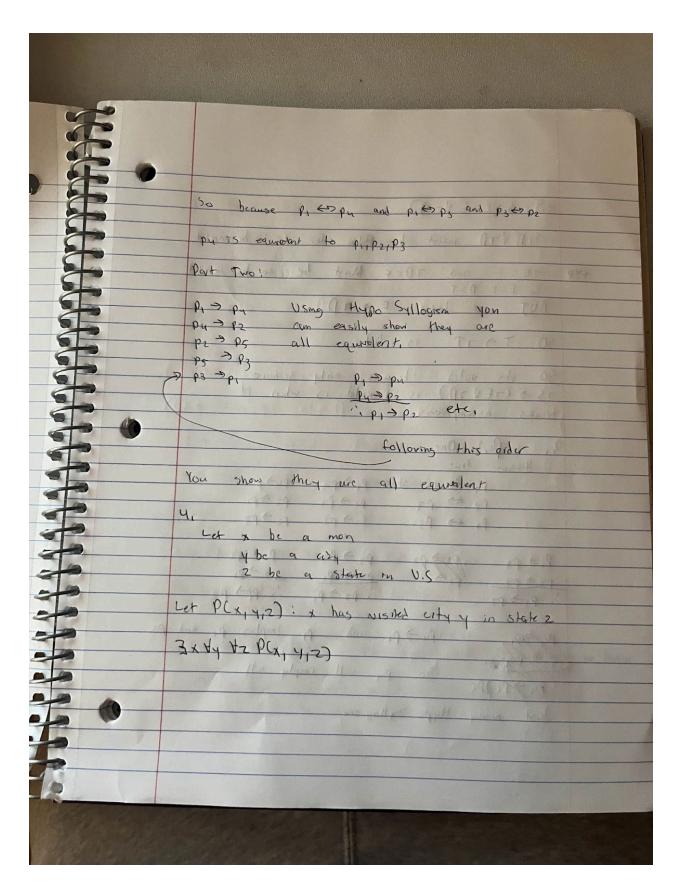


	(
	(
	6
(2:	
Q2:	
1 et 0' ,	
Let 5' My all all land	
Let E' May Students like logic	
2, markanatics is easy	
Let D' Logic 15 difficult Let S: Many students like logic Let E: Marthanatics is easy Assuntance: D. V. T.S. E. D. T.O.	
(1) [[] [] [] [] [] [] [] [] []	
a) S -> 7 E	T.
4) 3 7 1	
DV75 = S + D (p + q = 7 pVq) (pV75 = ~SVp)	
(p>q= 7pVq) (pV-S= ~SVp)	
E > 10 = 1(10) > 7 = 0 > 7 = (p>q= 1q > 1p)	
S+D Using Hypothetreal Syllogism	
: SATE Valid mound Tolde Course	
b.) 7 E > 75	
01/25 2 210	
DV75= 75VD=5> D Communitive and Equivalence	
The contraction and Equipalence	
If TE is true and when 75 is false	
DV7S = DVF=D /	
always true VIII	
Courter example)	
DET MONEY	10
S=+ Invalid	
E=F	

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とりつらうにしたりつ TEVID must be false for it to be install TE=F and 70=F Must be to be invold 200 50 E=T 0=T BUT WE KNOW E > 17 D 50 T > 7T TS false So its valid because only scenario 75 7 (TEVAD) is invalid is when it breaks assumptions 4 3. Part One Assume true 4 p, 60 py shors p, 3 py py py P2 67 P3 P1 79 P3 P3 79, W P1 (2) P3 P3 P2 P2 P3 P, > P3 Proper proper 23 × P1 P2 >P 1, p2 > p, 1, p= p2 Py -> p, and p, implies pz and ps So py will imply all Just many Hypo Syllogism



S. Prove	
Si Prove no 2 integers & and 3 sahrsky	4
12 = 2(2j+1)	9
kās au l	-0
kis even because $k^2 = 2$ (integer) is even	-
50 let k = 2 m	9
(2.2	
$(2m)^2 = 4j+2$	
4m2 = 4j+2	-
2m² = 2j+1	
$2m^2-2j=1$	
2(m²-2j)=1 mand j are integers	(
50 let m2-2; = L	
2(1)=1	
L=1/2 1/2 is not an integer	
contradicting given k and] are integers	
integers Ic and j satisfy 12=4;+2	
50 no integers 1c and ; satisfy 12=4jt2	

					1
					150
0					
				Value of the same	, S. J.
61	2552 15	have the	NAK PL		
	Alrec: C			1141	
	John: 7)	0 000		(1=15)5 - 51	
	carlos: D			110 12 12	
	Draw : 70				
Management of the second secon	naxa 6 da	1 2 2 3	C. Galacie	od 1049 09	4
THE RESIDENCE OF THE PARTY OF T	est cases	S. C. Branden	Charles of		
		miles of	Barrell S. P.	- 1950 / W	
A	Issume True	Con proper			A80
41	nee did It	John	(0.105	piana	
	are die	MI DIA			
Self-Asis Line	F	F	TE	+ [I + Souls	
	T	F	+ (COT TO	
0	+	F	F	T	
	T	T	+	SP CAS	
	2	1	(3)	2	
	and the same of	0	1	-65 - curs	
63	John did 17	her de	thats		
4(1)					
	case where I	Tue		126110	
1	> Y	(1)	it	heart	
2	i) Yes then	A1 82 619	- 1) c	
	that only	ease	one h	11/19	
		A SUBJECT	141		
	SIGNATA PEL	AND LAST	21 - 1	entur es	

	7. Prove XL(2 K)X>
	THE REAL PROPERTY OF THE PROPE
(1)	x < x ²
	042-4
- 60	O(x(x-1) only true iff x >0 and (x-1)>0
	Both regative x<0 x-1<0
	Given that x is positive vail number
	positive von number
	x20 and (x-1)70 must be true
	X-100 TS XD1 therefore X(x2 -> xD1 is
12.10	true
Lilian Lilian	Park b x>1 => x < x2
	42 > X
	11.7
4	x'ext he true
	50 +Lx2 (> x>1
II.PR	

8 P 1 14 sounce in is an integer a: Prove that no early in digit from set co, 1, 4, 5, 6, 93 PSQ then a is not an integer 91