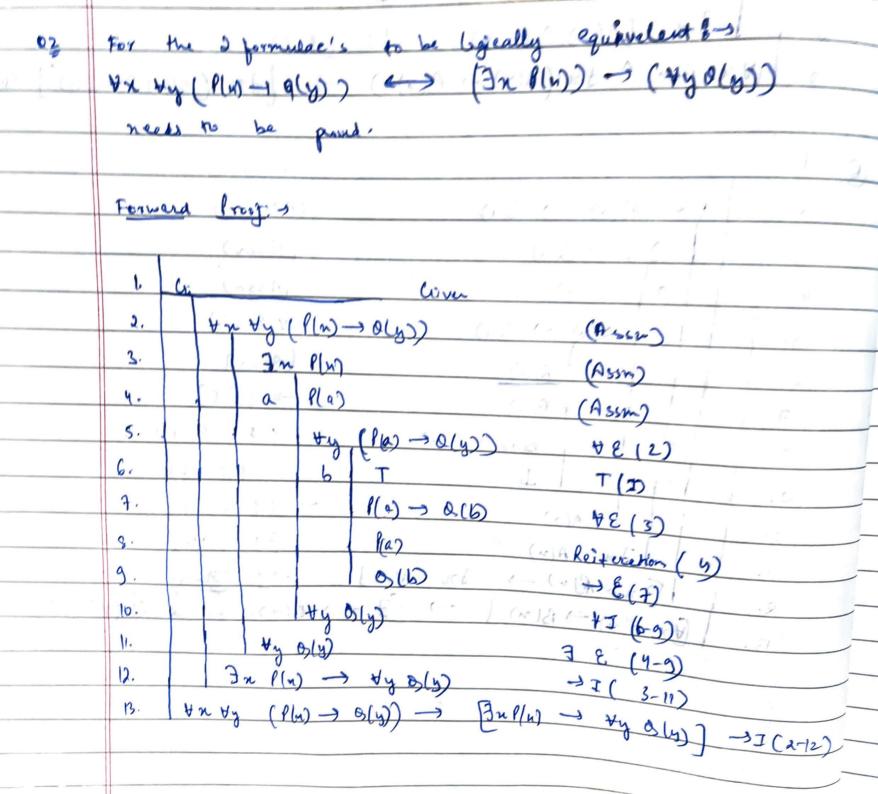
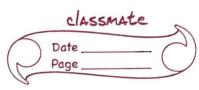
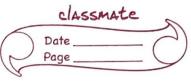
		DS Assignment - 3
		CLOSE CONTRACTOR OF A STATE OF A
ହାଁ 🖾	1.	Child Chicago Cold
_	۵.	(tx A(n) ^ fx (A(n) -> B(n)) [Assm]
	3.	triam (del te (2)
	4.	3n (n(n) → B(n)) 12(2)
	5.	a A(a) -> C(a) [Assm]
	٤.	(A(a) + E (3)
-	a ⋅.	B(a) -> E(I) 1414 - (1) 1414
	8.	(6,7) 1 (6,7)
	5.	3 x (A(n) ^ 6(m)] IF (S, 8)
	10.	(UN ALM) A BROWN - B(N)) - FIX (ALM) AB(N) - JU(2-)
		hand and at its and
(b)	1.	Crive
	Q.	tr (n)(n) -> B(n) (Assmir)
	3.	3n ~ B(n) (Assn)
	ч.	a ~ Bla) (Assm)
	5.	(A(a) · → B(a) (× € (2)
	G.	(MA) A(a) (MI CASSIN)
	7.	B(5)
1	8,	~B(a) ^ B(a) ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
	3,	(8) II (8)
	b ·	~ A(~) ~ I(0, 7-9)
	n.	31 (10)
	R.	[3n~10) -> 3n~A(m)] ->1 (3-11)
	13.	(Ax A(m) -) B(m)] -> (3 x ~ B(m) -> In ~ B(m)
		(1) A I (2-12)
		CHANGE COUNTY COUNTY CONTRACTOR OF THE COUNTY OF THE COUNT
	3 3	





	Backus	and broots	23.013	T 1996	. m.)	. 1	e
			15 35 B	Find & Killing	240		3 ¹
	1.	Coores	12h	Civen (11)		l =	
	۵.	1	-> that	D [Asim]		ng ^a	
	3.	a T		7653		. ?	
	4.			EL PCID		i	
	S.		P	Musn	1 4		
	6.			COIE		<u> </u>	
	٦,	1 1 1		-> E(2) 6		i 4	
4,	8.			¥.E. (3		3	
	9.	(013)	Plas -	& Cho NE 3 I	5,8)		
-	(b. Anis			(b) THE CO			
	11.			SLY) +I(3	1 1		
	12,			3(y)] -> [+x		m) - 0 la	w)
	(2)	(17)				. , → I (2	-11)
	~ 1	2 04 04	Const. 40	that both st	ate new	are	-
		we con	(4)2	we can dem	ve one	chat eme	
	<u>rogicall</u>	equiva	ent as	ica ilima:		- 11	
	from	arother	cend	110 005	*	* ()	

03	1.	Cuive Criver
-	۵.	In By P(n) - Bys] Asin
	3.	Vx P(n) Assm
	٧,	a fy [Plas -> OCys)] (Assim)
	2.	Pla) # & (3)
	6.	16 / 1(a) + & (b) (Assn)
	7.	(S,6)
	8.	3y Q(y) 3/1(3)
5	3-	3y Bly 3I(4-8)
	10.	72 (3-9)
	11.	Vx Plus => 3y osly) -> 1 3-10)
	12.	Fray Plan - Bly J - [HXPlm - Zy Bly] -II
	13.	Hx Pln + By Quy - a la (Ausm)
(010	L 14:	(Asen)
11-5)	15.	(TI)
λ.	16.	That shows (TI) and sails
1 3	16477.	Plad -> BLD (Assm)
	13.	3y Pla) -> B(y) 3I (17)
	20.	1 2x 3y (P(m) + R(y) 7 3x (16)
	21.	an ay (Plm > O(m) ^ San ay Plm> o(m) ^I
	22	20)
	23.	~P(a) + Q(b) ~ I (17-21)
	24.	~ [(a) ^ ~ a (2)] Asser
	U.	/ISCM
	26	(4) ~ B(b) A: NI (24)25
	27.	P(a) ^~ 2(b) ^~ [P(a) ^~ a(b)]
	28.	17 27
	19.	0(6)
	30.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	31.	(P(a) → Q(b) ^ [~ P(a) → B(b)] ^ I (23)
	30	
	J	



33.	11	1 1	P(a) 1~Q(b)		Reitwaha
34.			Plas		18 (31)
35.			~ &(b)		E (33)
36	~_		∀2 P(n)		4 I (34)
33.			y ~ Q(y)	4	FI (35)
38.			3 y & (y)		
<u>ა</u> ე.		h 1	c (o)(c)	((Assa)
4o.			~0s(c)	₩	٤ (37)
41.			SW ~~86	c) .	I (39,40)
42 .			1		LI (41)
43.			1		
44.		3x 3	dy [P(n) → &(y)]		3I
45			y EPIND - Decy)		31
46.	4n	P(n)) -> 3y & (y)	-) 3n 7y	P(m) -> Q(y)
					→I (13-45)
47 .	*3n	34 8	$(y) \rightarrow Q(y) \rightarrow$	[Vn Pln) -> 3	y & (y)]
		0	,	C> I (1-46).	
•					
н	ene,	Pro	ved.		



۵ų	4.	An finz = f(2n) [Uiven]
	۵,	$a f(2a) = f(a) \forall \mathcal{E}(1)$
	3.	b=2a f(b) = f(2b) \times \tau \tau (1)
	4,	+ (2a) = (3(2.2a) (subi)
	5.	6=4a (-5(b)=f(2b) 4e(7)
	6.	\$ (4a) = \$ f(2.4a) (Bull)
	7.	\$ (80) = f(20) Trans (4,6)
	8.	f(8a) = f (a) ? Trans (2, 7)
	3.	In f(x) = f(8n) 13 = (x) f nf
	11	

Sandat Jalan 2022101070 Group-3