Cammon	ous syste	em for 4 registers		
Shows t	he register	- that is selected by the bus for		
each of the	our Possibl	e binary value of the selection lines		
***************************************	A CONTRACTOR OF THE PROPERTY OF THE PARTY OF			
5,	So	Resister selected		
0	0	A		
0	1	В		
		C		
1 - 8 2 -	9 9			
Logic Microolerations:				
logic micro	operations	specify binary aferations for strings		
of hits staved in registers				
These operations consider each bit of the register selarately and				
treat them as binary variables R3 = R1@R2				
RI I O I O				
F2 (+)				
RI after f=1, 0, 12 1, 0,				
10 + 1 + 1 + 0 melio , o ing lino				

The part of the part of the

Boolean Function Fo = 0 Fo = 0 Clear F = X Y F = ANB AND F = X Y F = ANB F = X Y F = ANB	Date:	7	age:
E = XY $E = XY$ E	Boolean Function	Transperator	Nane
$F_2 = X'Y$ $F_4 = A \wedge \overline{B}$ $F_3 = X$ $F_4 = A \wedge \overline{B}$ $F_4 = A \wedge \overline{B}$	Fo = 0	F. C.	Clear
F3 = X F4 A Transfer A	E = xy	FLANB	ANO
	Fz = X'Y	FLANB	
FY- X'Y FLANB	F3 = X	F_A	Transfer A
	Fy = X' y	FLANB	
F=y F=B Transfer B	F= y	F ← B	Transfer 3
F=X = Y F = A = B EXCLUSIVE-OR	= × ⊕9	F - A B	EXCLUSIVE-OR
Fy= X+Y F AVB OR	+		OR
$F_8 = (x+y)'$ $F_6 = \overline{AVB}$ NOR			NOR
Fg (X & Y)' F = A & EXClusize - NOR	Fg = (X ⊕4)'	F ← A ⊕B	EXClusize-NOR
FIOT Y' Fo B Complement B	F10= 4'	F ~ B	Complement B
FH= X+Y' FE AVB	FH= X+Y'	F- AVB	
Fig = X' F A Complement A	F12 - X'	FFĀ	Comple ment A
FIZEXYY FEAVB FIZE(XYY) FEAAB NAND			NAND
F15=1 Fe all 13 set to all 1's	$F_{15}=1$	A	



