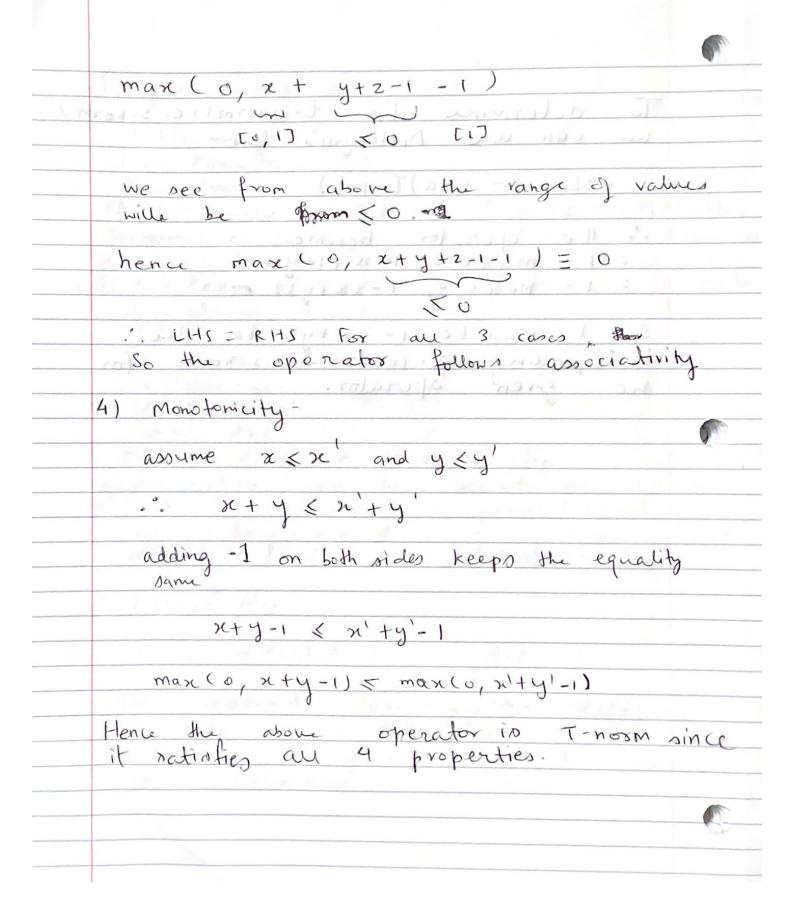
	Problem 4	
	The second of th	
	max (0, x+y-11)	
	Checking the above on 114 T-norm open	ator
	properties	
	0 -1 - 3 + 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	1) Boundary conditions -	
	(1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	i) Assume x=x, and y=0	
	max(0, x,+0-1)=0	
	ii) Assume X = X1 and 11 = 1	
	ii) Assume $x = x_1$ and $y = 1$ max $(0, x_1 + 1 - 1) = x$	
	Both boundary conditions salisfy	-
	Bath segulary cora trong harristy	
	2) Commutativity -	
	2) Commutativity -	
	max (0, x+y-1) = max (0, y+x-1)	
	The copy of the co	
	3) Appociativity - (1-)	
	37 1.830 4.64 1.19	
f. a	LHS = max (0, x+ max (0, y+z-1)-1)	
-the	(0) (1) (1)	
	RHS = max (0, max(0, x+y-1)+z-1)	
	(1)	
	Case 1 - y+2-1-70 2 x+y-170	
	11 - 1 - Vall Cook has I also	
	UZI-XIH FOOTH WAR LACK WILL FUR MORT	

	So , I standard
	SO, LHS= max(0, 2c+y+2-2)
	the control of the state of the
	RHS = man(0, x+y+2-2)
19/10/10	10 MELHS FRHS male will relieved
	of the state of
	Case 2 - x+y-1 < 0 and y+2-1 < 0
	Trend Planes " whaterwood ()
	LHS = $\max(0, x-1)$
	RHS = man (0, 2-1)
	RHS= man (0, 2-1)
40	since x and z range between [0,1] so
	both LHS and RHS will always be
	zero. Hardan arad itana pristamed illas
	Case 3 - 2+4-170 and 19+2-1501-
	- Case 3 101-170 - and 972-120
	RHS= max (o, xtytz 1-2)
	LEHS = max(0, 2-1) - HistoricaAls
	> LHS will alway be zero since x is EO, 1]
	For RHS sirralarmontyry
	max (0, 2+y+2-1-1)
	From our initial condition y+2-1 <0



	LI- HSHH TXLO DIMETER
	To determine it's t-conorm (i.e. s-norm)
	he can use DeMorgan's law -
way	$aSb = (1 - (1 - a)T \cdot (1 - b))$
11411	Mr. O. Derrich II de della
	the operator becomes
	=01 - max(0, 1-x+1-y-1)
	= 1 - max(0, 1-(x+y))
	So, 1- max (0, 1- (x+y)) is the
M	the given operator.
×	me given sperator.
	- I the state of t
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	Liber 10 Sept 1