S-225

TARUSI MITTAL

Tomuri Mutch 1901CS 65

Oue 1:

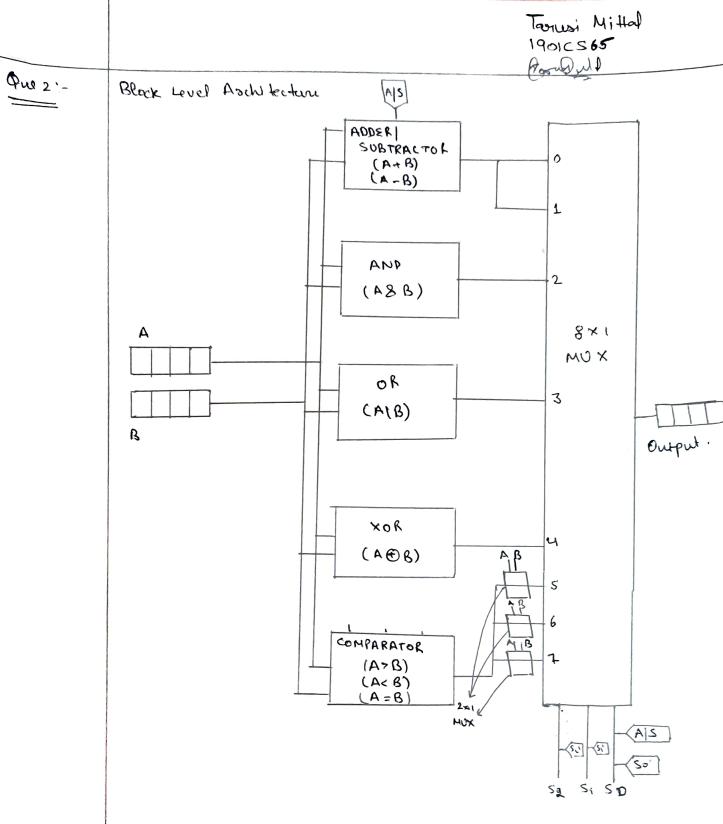
Touth Table

tsol	Bits	operation
Sı	So	(A, B = 4 bit inpub)
υ	0	F = A + B
0	١	F = A-B
i	٥	F= A8B
١	١	F=A B
0	0	F = A ⊕ B
0	١	F = A>B ? A: B
1	0	F= A <b?a:b< td=""></b?a:b<>
١	ı	A=B output. AnB
	0 0 1	S, S, O O O I I O O O I

Persith bit

A A		<u></u>		1		1	-		40-		
A_i	Bi	00	50	00	1	610	011	100	161	110	111
			gmy		Brow	&	١	•	7	<	2
0	0	0	0	0	0	0	0	0	0	ð	Α
0	1	1	٥	1	0	٥	l	ı	B; 1	A; 0	0
1	0	1	0	١	1	0	i	١	A) I	B; 0	0
01	61	0		0	0	١	١	0	1	1	B
						1		p .	I.	1	

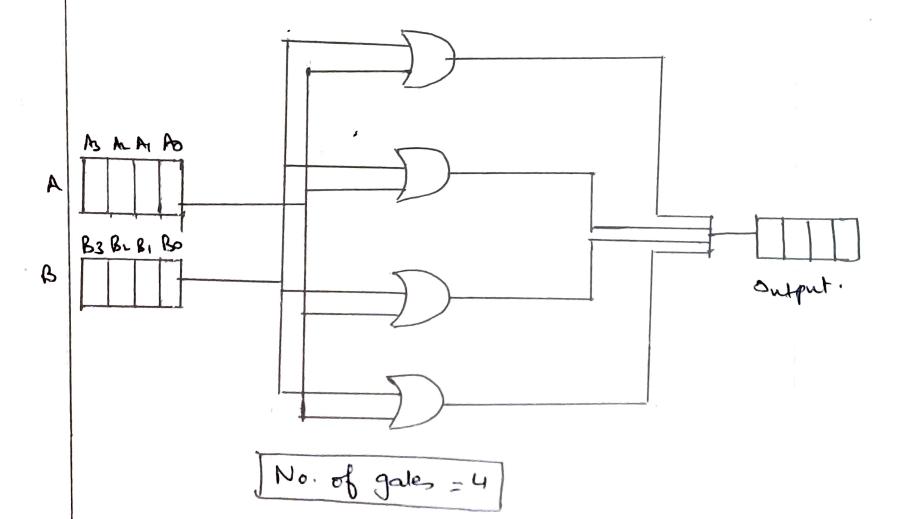
This is the tarthe Table for a single bit (i)



TARUSI MITTAL 1901CS65 (Pur 3:- (a) Adder Subt vactor Parolid al CONTROL (control Br Br Ri Bo B MUZ DIFFERENCE FA Overflow Full Adder Cin . gas und = 4+4x5 -24 O CARRY

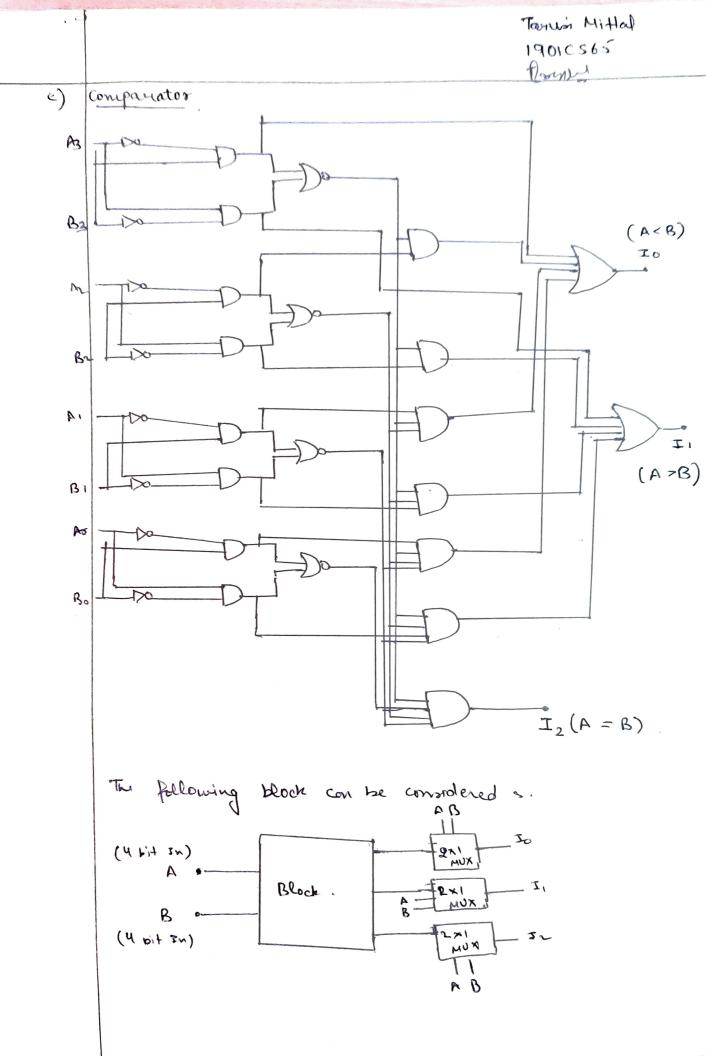
b) AND (A&B) AS AL AT AO B3 B2 B1 B0 Output. No. of gales = 4 d) KOR (ADB) AS AL A A. A B3 RB, Bo B Output. No. of gales = 4

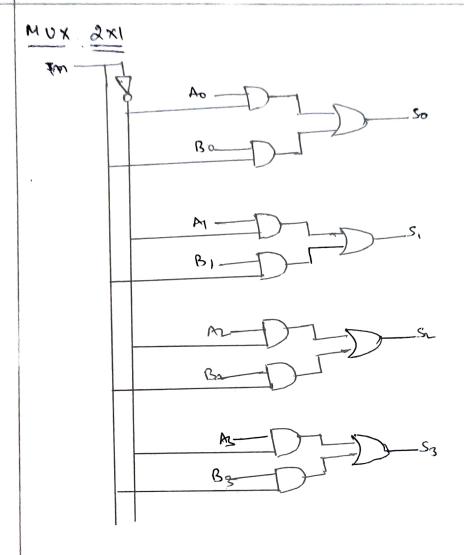
c) OR (A/B)

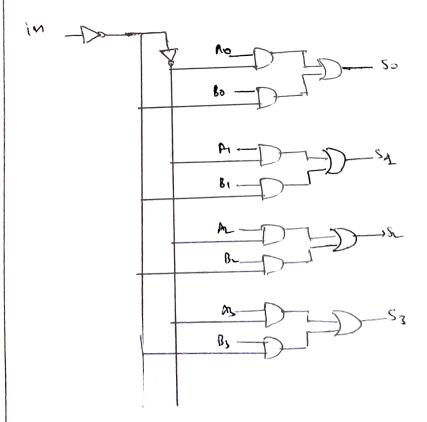


0)

0 1 - 1-







Tanun Muthal 1901 CS65 Agrupatil

ue 4'-					
	Block	No of gabs			
()	Adder Subtractor	24			
2)	AND	4			
3)	OR	ч			
4)	XOR	ч			
5)	Comparator + 3x (2x 1 HVX)	u1 + (13×3) =80			

- x - x - x FND OF ASSIGNMENT -x -x -x-