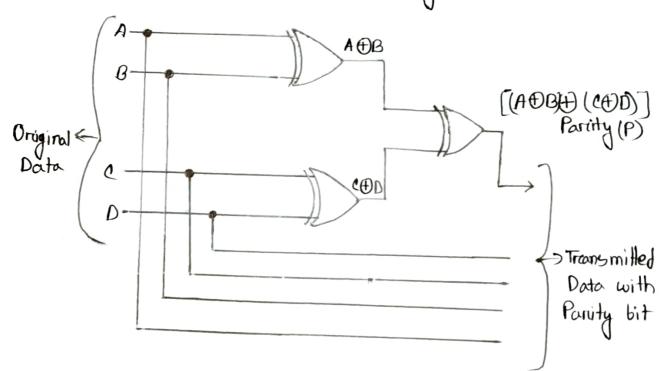
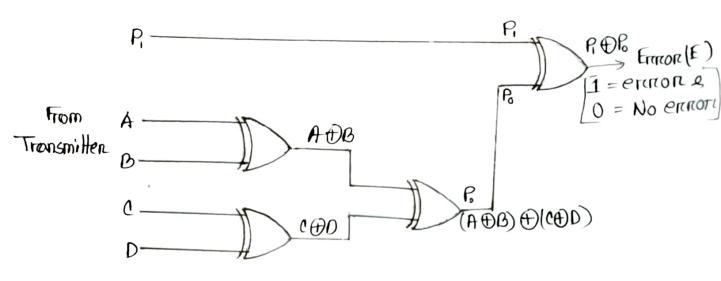
- Design and Implimentation of partity generators and checkers.
- The Objective: To design and implement an Even Partity generators and Even Partity checkers using XOR gate.
 - 4 Required Components and Equipments:
 - 1) Breadboard
 - (1) Connecting wires.
 - (11) XOR Chate
 - Experimental Setup : * Even Parity Generator,



* Even partity checkers,



Results in Tabulated Form?

Even parity Generator

A	В	C	D	AOB	CDD	P=(ADB)D(CDD)
0	0	0	0	0	0	0
0	Ò	0	1	0	1	O
0	0	1	0	0	1	1
0	0	1	1	0	٥	0
0	1	0	0	7	0	1
0	1	0	1	4	1	0
0	1	*	0		1	0
0	1	1	1	1	O	1
1	0	0	0	1	Ô	1
1	0	0	1	1	1	0
1	0	1	0	1		0
1	0	土	1	1	0	1
1	-1	Ô	0	0	0	0
	1	0	1	0	1	1
1		1	0	0	1	1 1
1	1	1	1	ð	0	0

Even	Partity	Cheaker:

Pi	A	B	C	D	ADB	CDD	B=(ADB)(COD)	P: OR	
0	0	0	0	0	0	0	0	0	
0	0	0	0	1	\mathcal{O}	0	1	1	
0	0	0	1	0	0	7	1	1	
0	0	0	1	1	0	7	ð	0	
0	0	1	0	Ò	1	0		1	
0	0	7	0	1	1	0	0	0	
0	0	1	1	0	1	7	O	0	
0	0	1	1	1	7	1	1	1	
0	1	0	0	0	1	0	1	1	
0	1	0	0	1	1	O	0	ð	
0	1	0	1	0	1	1	0	O	
0	Ţ	0	1	1	1	1	1	1	
0	1	1	0	0	0	O	O	0	
0	1	1	0	1	0	0	1	4	
0	1	Ī	1	0	0	1	1	1	
0	1	Ī	1	1	0	1	0	0	
1	Ō	0	0	0	0	0	0	1	
1	0	0	0	1	0	0	1	0	
1	0	0	Ĭ	0	0	7	1	1	
1	Ó	0	1	7	0	1	0	0	
1	0	1	0	0	1	0	1		
1	0	1	0	7	4	0	0	1	
1	0	1	1	0	1	$\frac{1}{1}$		Ö	
1	0	1	1	1	1	0		Ŏ	
1	1	0	0	0	1	0	0	1	
7	1	0	1	0	1	1		1	
1		0	1	1	1	1		0	
7	1		1	0	0	0		1	
1	4	1	0	1	0	0		0	
1	1	$\frac{1}{1}$	1	0	0	1	1	0	
1	1	1	1	1	0	0	0		
171	7	1_	1 +		an Orași Navenavin i s	er militarist en en en	tana dinibili da salah dari sanasa salah salah salah salah salah	numari 2002 - Harrison	

The Result and Discussion 8

We have acquirced the concept of partity checkers and generator through this experiment. In this experiment we have learnt that this process helps a device to detect wheather the data is transmitted on not. There are two types of parity. Here, we have used the even parrity in this experiment. Even Parcity means there are even numbers of 13 procession in the data which will result in the even parity of 0. On the other side, if there are odd numbers of 1's in a data, the proceess will turn the odd number to even numbers partity by adding another I in the process.