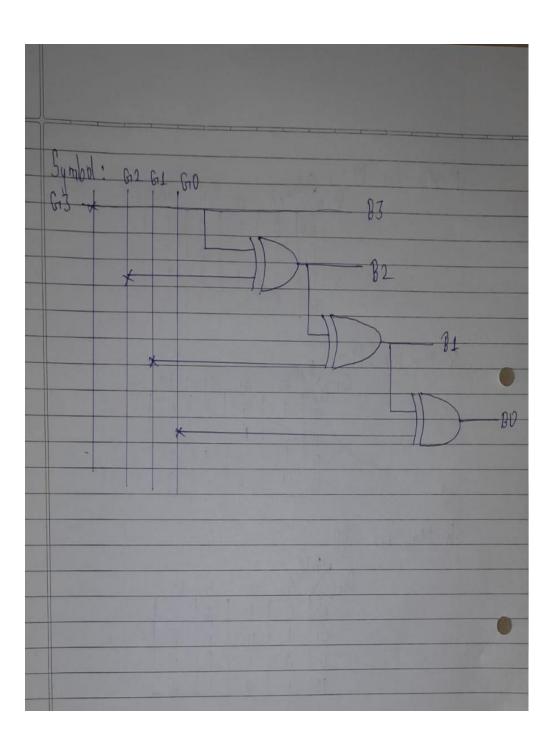
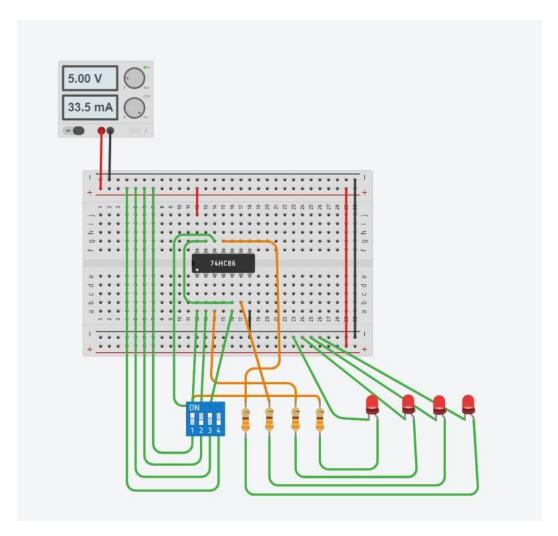
	Anish Sharma 80003220045
	Exp: 3 LDCA ID11
	Aim: Design and implementation of 4 Bit Binaxy to Gray rode and gray to Binaxy code Component: IC 7486
	Apparatus: Power supply, wires, probes, etc
•	Theory: Gray code is tron-weighted code. It is not an arithemetic code. It has a very special feature that only one bit in the gray code will change each time the decimal trumber is incremented. The gray code is cyclic code is also exhibits the reflective property.
A	Birrary to Giray Code
	84-614
0	BJ - 61J
	B2 612
	A - 0) 0 - G11
Sundaram	FOR EDUCATIONAL USE

	K-Map fox Giz:
	B1 B0
	B3B2 00 01 11 10
	01
	11 1 1 1
	10 11 1 1 1
4 4 4	G3 = 83
1-1-1	0.3 - 83
	K-Map for G2:
	B3B2 00 01 11 10
	8382 00 01 11 10
	01 1 1 1
	10 1 1 1 1
	G12 = 83 ⊕ 82
	K-Map of G1:
	BIBO
	B3 B2 00 01 11 10
	00
	0) 1 1
	G1=82081
Sundaram	FOR EDUCATIONAL USE

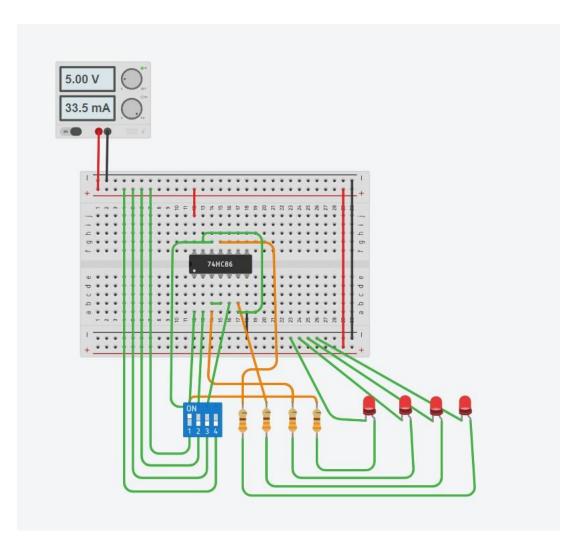
		-				-		
K-	Mapfo	x la	0:			- de la	otour.	
	Y		B1 BC			Hill	ME THE	
		B	70 DC	00	11 11	10		
		·	DI		11	111		
			01		11			
			11		1	1(1)		
			10]		+/	1		4 1 2 10
				G	T= B1 (1)	RO		
				019	T- 01 ()	DV	0	
	utti -	Table	,		9		No.	1 1 1 -
B3	B2	B3	80	[GJ	62	Pal	160	
0	0	0	()	0	0	0	0	2 1 1 1 1
0	10	0	Ĭ	0	0	0	1	0 1 1 1 1 1
0	0	1	0	0	0	1	0	6-1111
0	0		1	0	0	1	11	A HERE
0	1	0	0	0	1	0	0	
0	1	0	1	0	1	0	11	
0	1		0	0	1		0	
0	1	1	1	0			1	2
	10	0	0	1	0	0	1	
	0	1	0		0	1	0	ENT - IN ENT
1	0	1	1		6	113	1	
1	1	0	0		10	0	0	
	1	0	1			6	0	
1		1	0	1	1	1	0	
11 \							1	

	K-Map fox B2: G3G1200 01 11 10
	01 0 1 0 1
	10 0 0
	K-Map for B1: Gi Go 00 01 11 10
	00 0 1 0 1
	10 1 6 1 6
	K-Map Fox BO:
	00 0 1 0 1
	10 1 0 1 0
uram)	FOR EDUCATIONAL USE





B to G Converter



G to B Cinverter