

Seven Seg display

B1	n2	n3	n4	A	B	C	D	E	F	G	#
0	0	0	0	1	1	1	1	1	1	0	0
0	0	0	1	0	1	1	0	0	0	0	1
0	0	1	0	1	1	0	1	1	0	1	2
0	0	1	1	1	1	1	1	0	0	1	3
0	1	0	0	0	1	0	0	0	1	1	4
0	1	0	1	1	0	1	1	0	1	1	5
0	1	1	0	1	0	1	1	1	1	1	6
0	1	1	1	1	0	1	0	0	0	0	7
1	0	0	0	1	1	1	1	1	1	1	8
1	0	0	1	1	0	1	0	0	1	0	9
1	0	1	0	1	1	1	0	1	1	1	10
1	0	1	1	0	0	1	1	1	1	1	11
1	1	0	0	1	0	0	1	1	1	0	12
1	1	0	1	0	1	1	1	1	0	1	13
1	1	1	0	1	0	0	1	1	1	1	14
1	1	1	1	1	0	0	0	1	1	1	15

Full adder

A	B	Cin	S	Co
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	0	1
1	0	0	1	0
1	0	1	0	1
1	1	0	0	1
1	1	1	1	1

	1	1	2	4	1	2	4
	S40	S1	S2	S3	S4	S5	S6
1	1	0	0	0	0	0	0
2	1	1	0	0	0	0	0
3	1	1	0	0	1	0	0
4	0	1	0	0	1	1	0
5	1	1	0	0	1	1	0
6	1	0	1	0	1	1	0
7	1	1	1	0	1	1	0
8	1	1	1	0	1	1	0
9	1	1	1	0	1	1	0
A 10	1	0	0	1	0	1	1
b 11	1	1	0	1	1	0	1
C 12	1	0	1	1	1	0	1
D 13	1	1	1	1	1	0	1
E 14							
P 15							

[Signature]

4/7/2022
12:45 PM
AP
5947