Elif Cemre Durgut - 26493 - #

91)

Decimal

$$\frac{546}{546} = \frac{1}{243} \frac{1}{2}$$

$$\frac{128}{5} = \frac{2}{131} \frac{1}{12}$$

$$\frac{128}{5} = \frac{2}{13} \frac{1}$$

$$00000011.1101 = 3.3125$$

a 111111111111 Subtract 1 11111111111 (complement) 00000000.0001 =
$$\frac{1}{16}$$
 => -0.0625

$$\frac{127}{64} = 1 \frac{63}{64}$$

ने १. गामा

$$\frac{63}{64} \cdot 2 = \frac{63}{32} \qquad (1)$$

6 61ts we needed to represent the fraction part in binary.

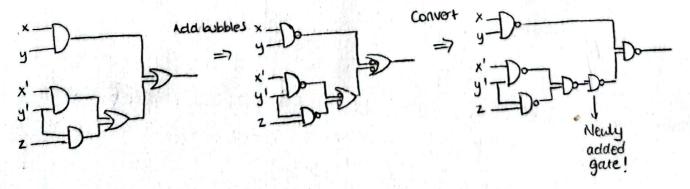
$$\frac{31}{32} \cdot 2 = \frac{31}{16}$$

$$\frac{15}{16} \cdot 2 = \frac{15}{8}$$
 (1)

$$\frac{7}{8} \cdot 2 = \frac{7}{4}$$
 (1)

$$\frac{3}{4} \cdot 2 = \frac{3}{2}$$

$$\frac{1}{2} \cdot 2 = 1 \qquad \qquad (1)$$



$$F = (x'y + xy')(z + t) = x'yz + x'yt + xy'z + xy'$$

C) 24				
xy	00	01	u	10
00	-			
01		(1	0	D
11 10		1	0	1

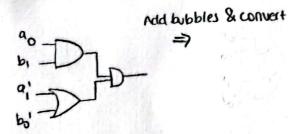
4 H's still the same. Can not be simplified .

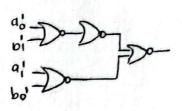
a	1 00	6,	bo	di	do
0	0	0	0		_
0	0	0		0	0
0	0	1	0	0	0
0	0	1	1	0	0
0	1	O			-
0	1	0		0	0
6		1	0	0	-
5	-		and the second	0	-
L	0	0	0	-	0
1	0	0		0	0
	0	1	0	0	
-	0	1	-		
and the same		0	0	-	0
1	1	0	-	0	
			0	0	

bib	0				
9,90	-	00	01	11	10
	100	×	0	0	0
	1	×	0	0	0
(×	0	0	0
1	0	×	0	1	0

190	00	01	11	10
00	×	0	0	0
01	×	0	1	1
u	×	0	0	1
10	×	0	0	0

1		
F(do) =	aiaobit	400,00





	000	001	011	010	110	111	101	100
020,00	10	0	0	0	0	0	0	0
003	0	0	0	0	0	0	0	0
	1	1	0	0	0	0	0	0
011	1	1	0	0	0	0	0	0
010	1	-	1	1	0	0	1	1
	H	-	1	d		0		0
111	1			Titl	0	0	0	U
101	1	1	1	11	0	0	0	0

 $F(g) = a_2b_2' + a_2'a_1b_2'b_1' + a_2a_1b_2b_1' + a_2'a_0b_2'b_1'b_0' + a_2a_1a_0b_1b_0' + a_2a_0b_2b_1'b_0' + a_2'a_1a_0b_2'b_1b_0'$