Decimal	Binary	Octal	Hexadecimal
Base 10	Base 2	Base 8	Base 16
0	0	0	0
1	1	1	1
2		2	2
3		3	3
4		4	4
5		5	5
6.....		6	6
		7	7
		10	8
		11	9
		12	A
		13	B
		14	C
		15	D
		16	E
		17	F

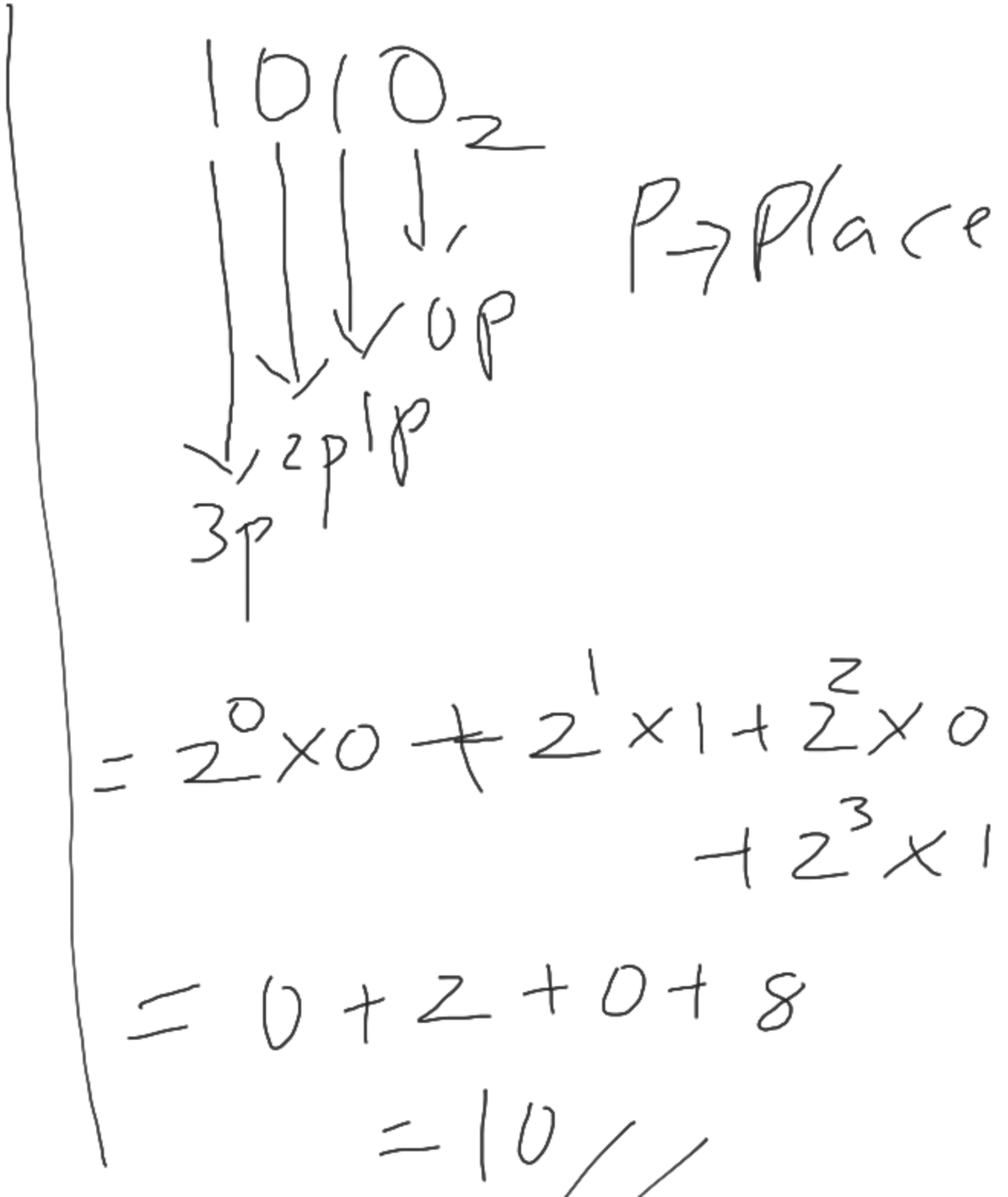
Binary to Decimal

example

1010

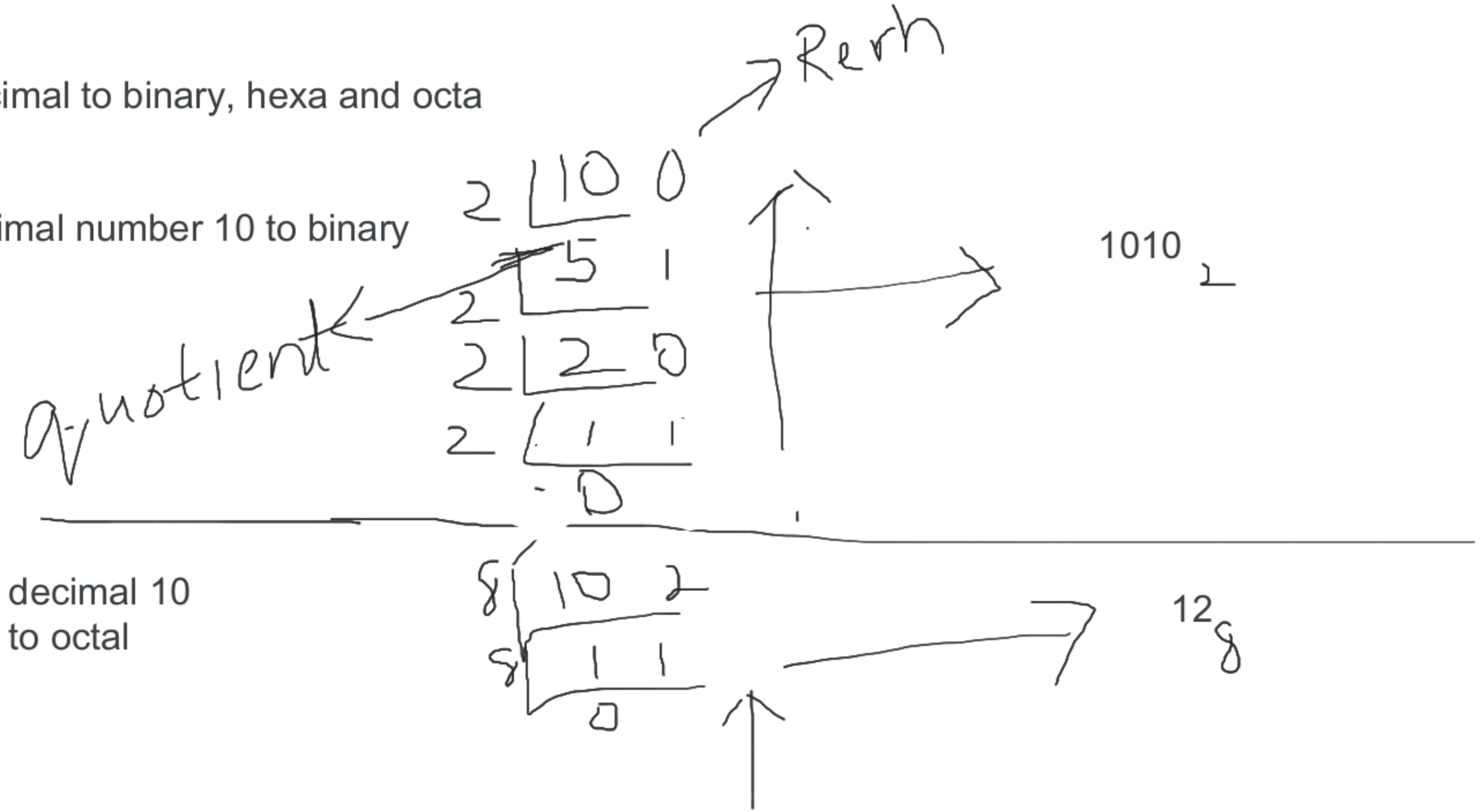
(2^0 * 0) + (2^1*1)+(2^2 *0)+(2^3*1)
=(1*0) + (2*1) + (4*0) + (8*1)
= 0 + 2 + 0 + 8
=10

octal to decimal and hexa to decimal would be similar.



Decimal to binary, hexa and octa

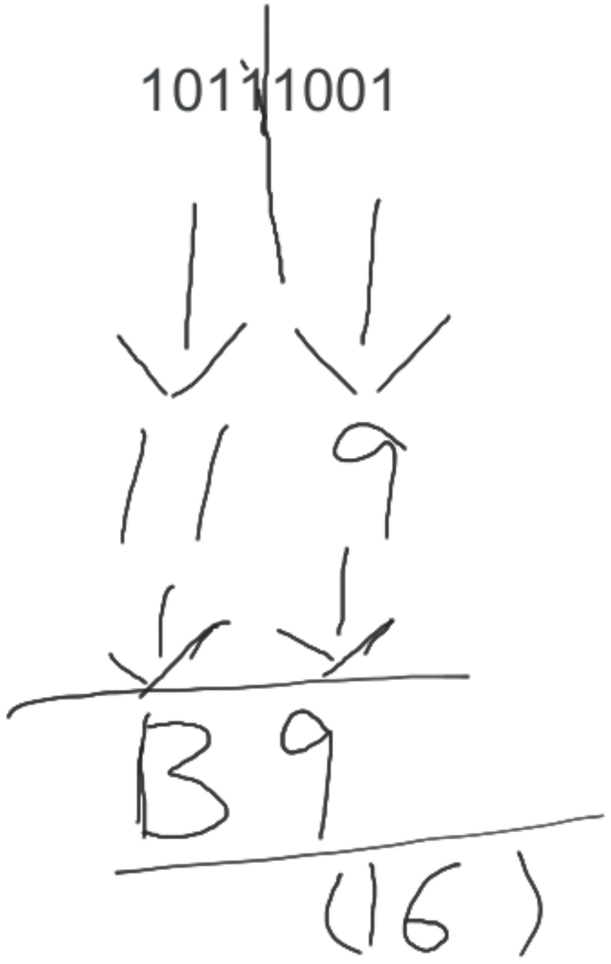
decimal number 10 to binary



decimal 10
to octal

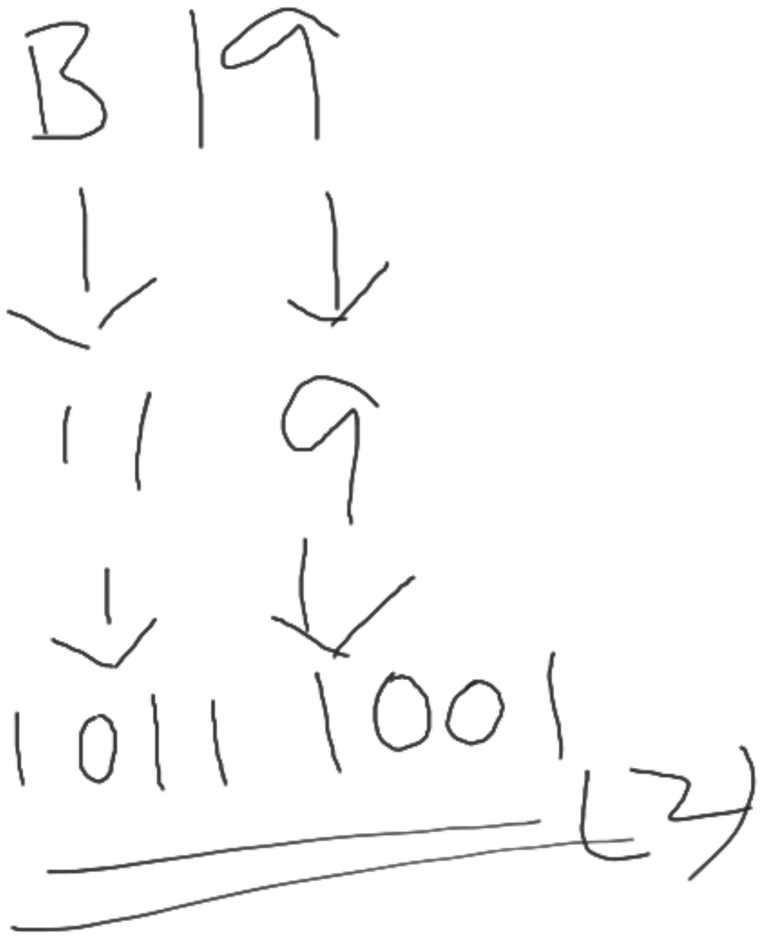
Binary to hexa

10111001
hexa----16---2^4



hexa to binary

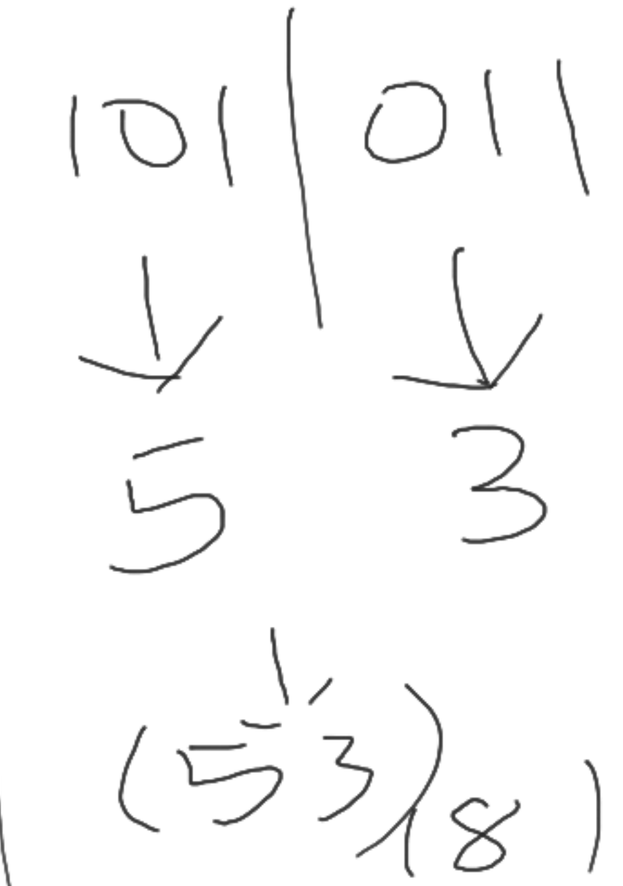
B9
16



octa to binary

101011 (2)

octa - 2 (3)



hexa to octa

hexa-----decimal-----octa
hexa-----binary------octa

octa to hexa

octa------decimal-----hexa
octa-------binary------hexa

Decimal Number	4-bit Binary Number	Hexadecimal Number	Octal
0	0000	0	0
1	0001	1	1
2	0010	2	2
3	0011	3	3
4	0100	4	4
5	0101	5	5
6	0110	6	6
7	0111	7	7
8	1000	8	10
9	1001	9	11
10	1010	A	12
11	1011	B	13
12	1100	C	14
13	1101	D	15
14	1110	E	16
15	1111	F	17