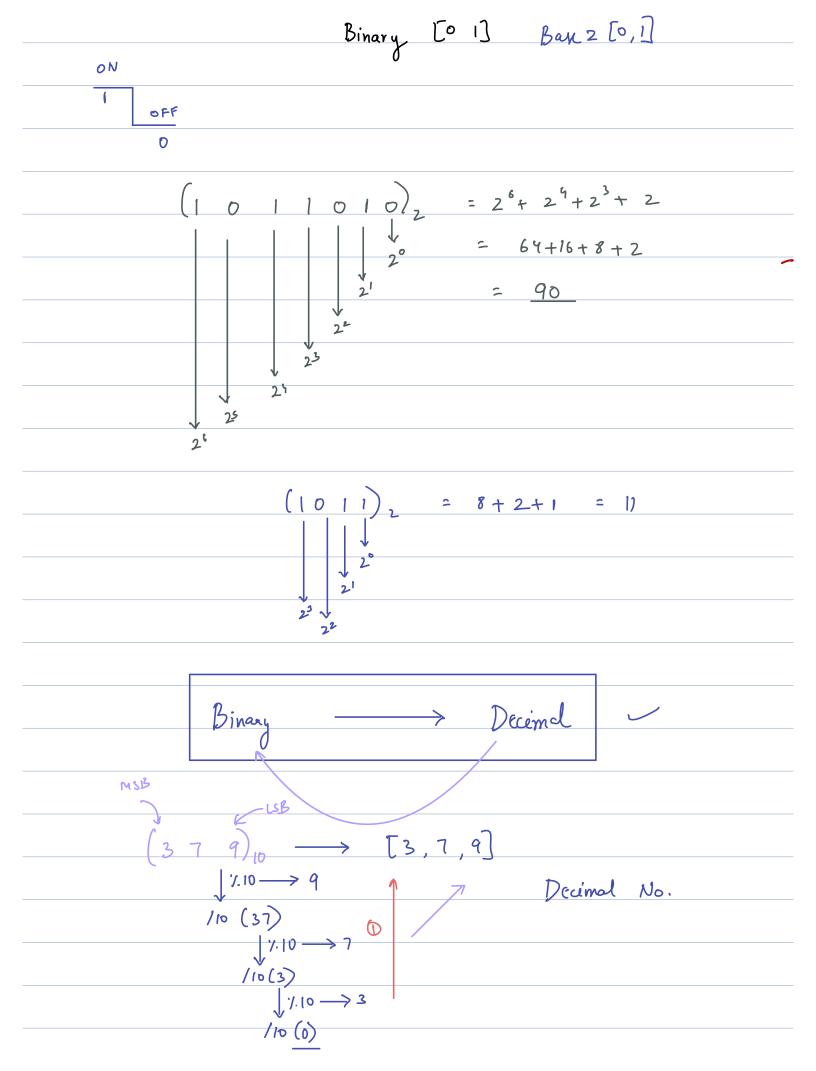
Announcement: 2	3rd Tune	→ <u>Bit</u>	manipulation	on, sorting,
				l modular
			[0-9]	Decimal num system
734: Seven hund	ud thirty	four :	700+ 30+	14: 7x10 + 3x10 + 4x10
6974: 6x10 + 0	1×10 + 7×	10 + 4x	0	
Bits: 0 &	Is			
	AMA	(Just	send a	whatsapp) 8510955377
	Octal nu	umkers	[0-7]	bare is 8
			3 3	$\frac{1}{2} = 3 \times 64 + 3 \times 8 + 1$ $= (217)_{10}$
971)8			82	
	Hallowcen	=	Christmas	?
	OCT 31		DEC 25	
	(31)8			
		Decimol		
([1])g	-7 69+	(+) =	13	



Decimal to binary

 $(20)_{10} = (10 | 00)_{2}$

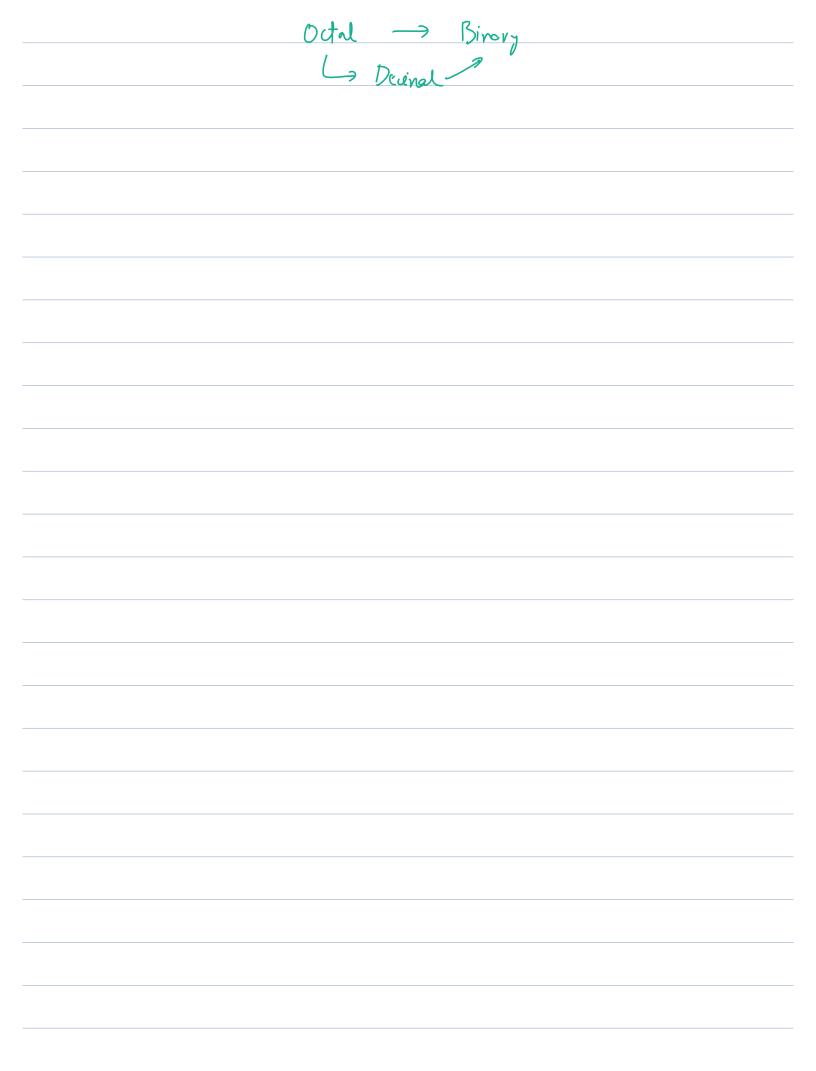
0

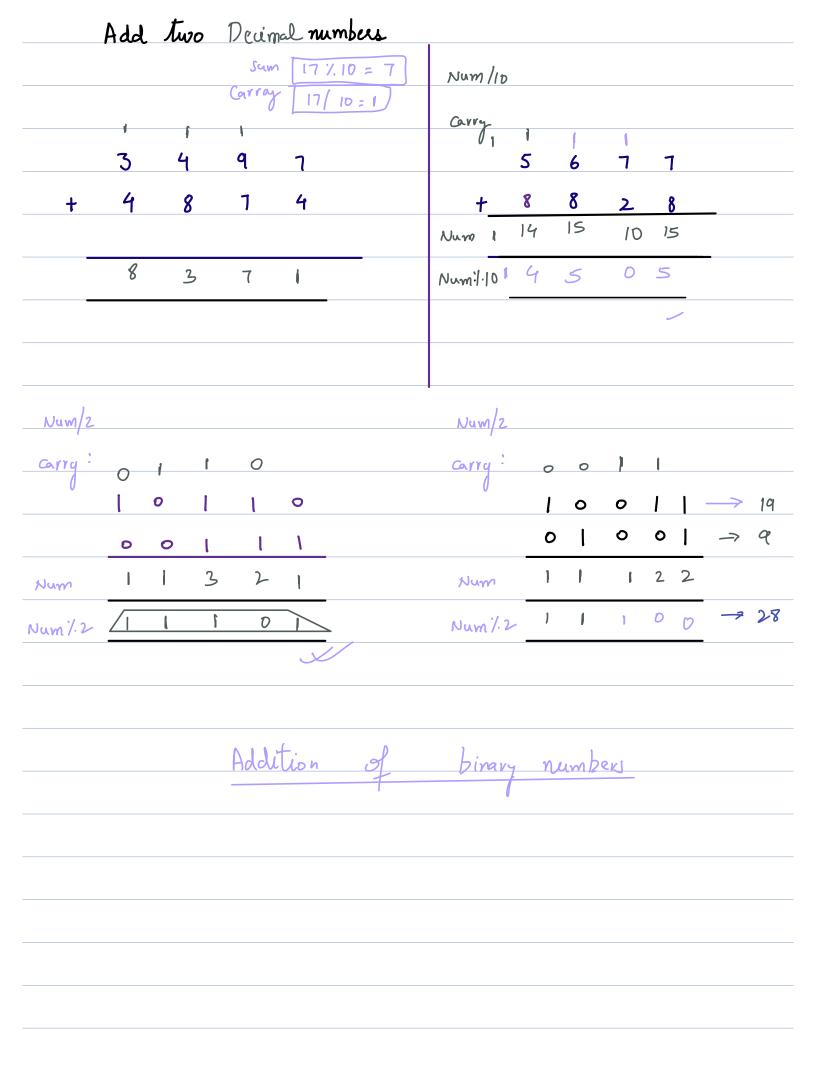
2 1	2	20	
0	2	10	→ ½2 = 0
,	2	5	
	2	2	
(45) ₁₀	2	ı	-> 7.2 =1
			•

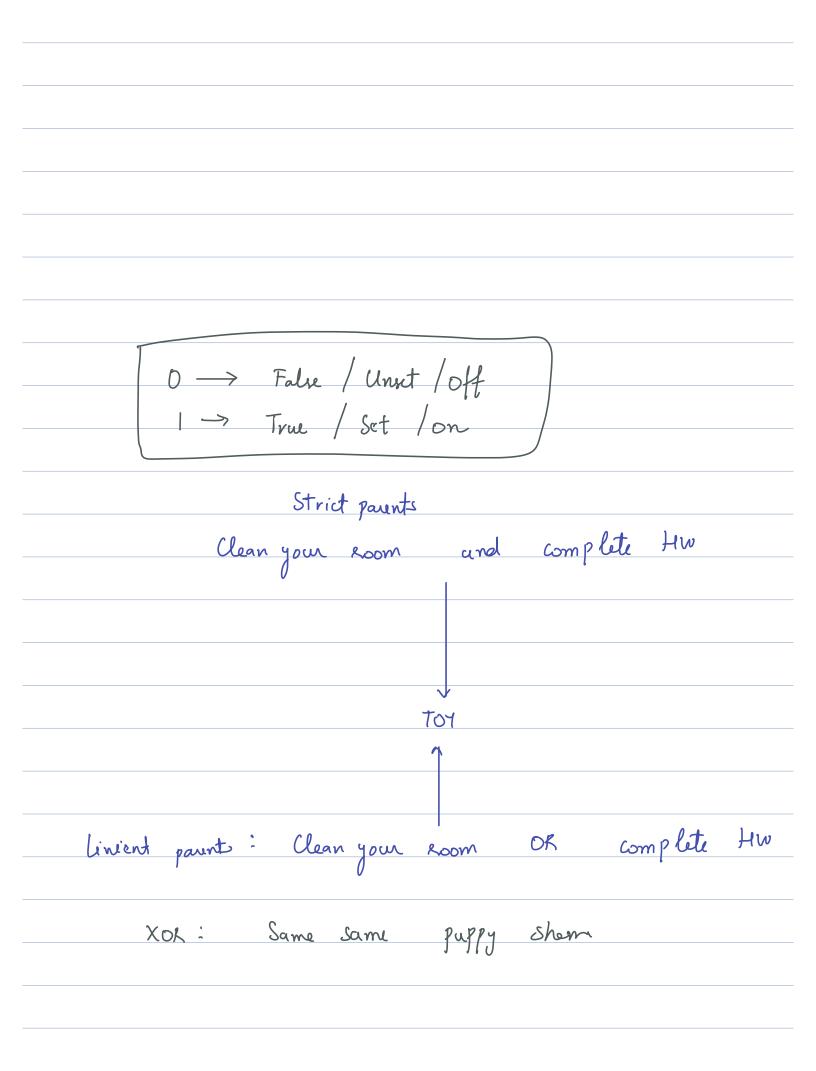
(0110)2 11 7.2 5

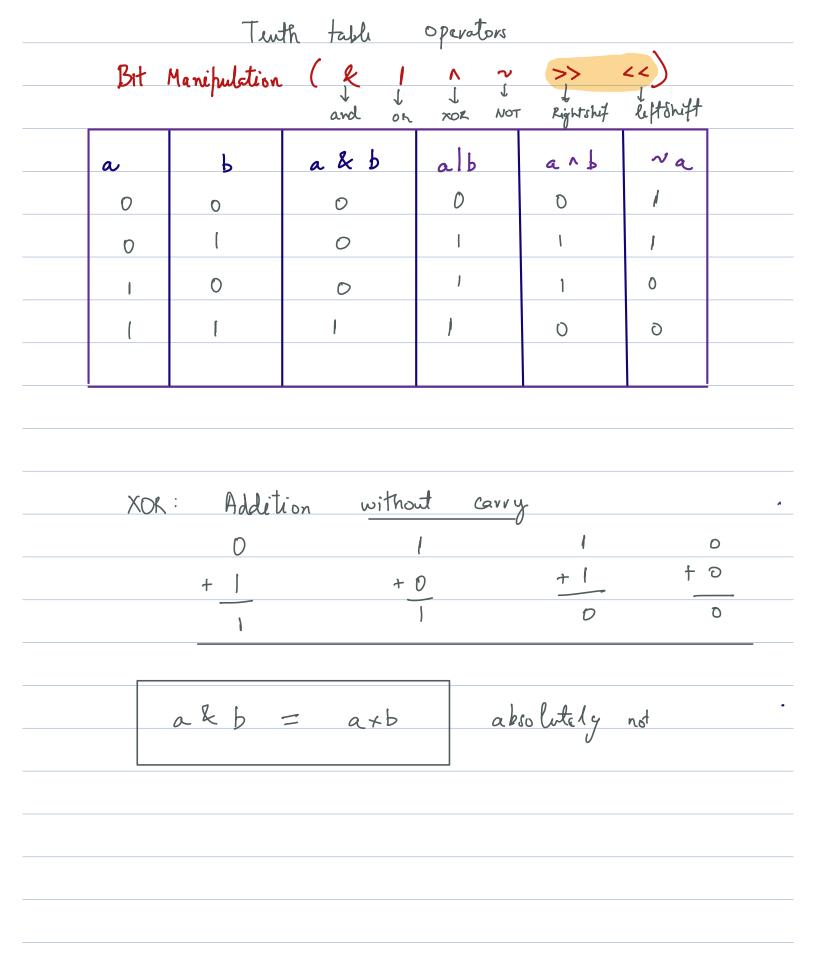
(25) ₁₀	2 2.5 7.2
	$\begin{array}{c c} \hline 2 & 12 & 1/2 & 0 \end{array}$
	2 6 72 0
	2 3
	7.2
	1.6

Decimal to Binary

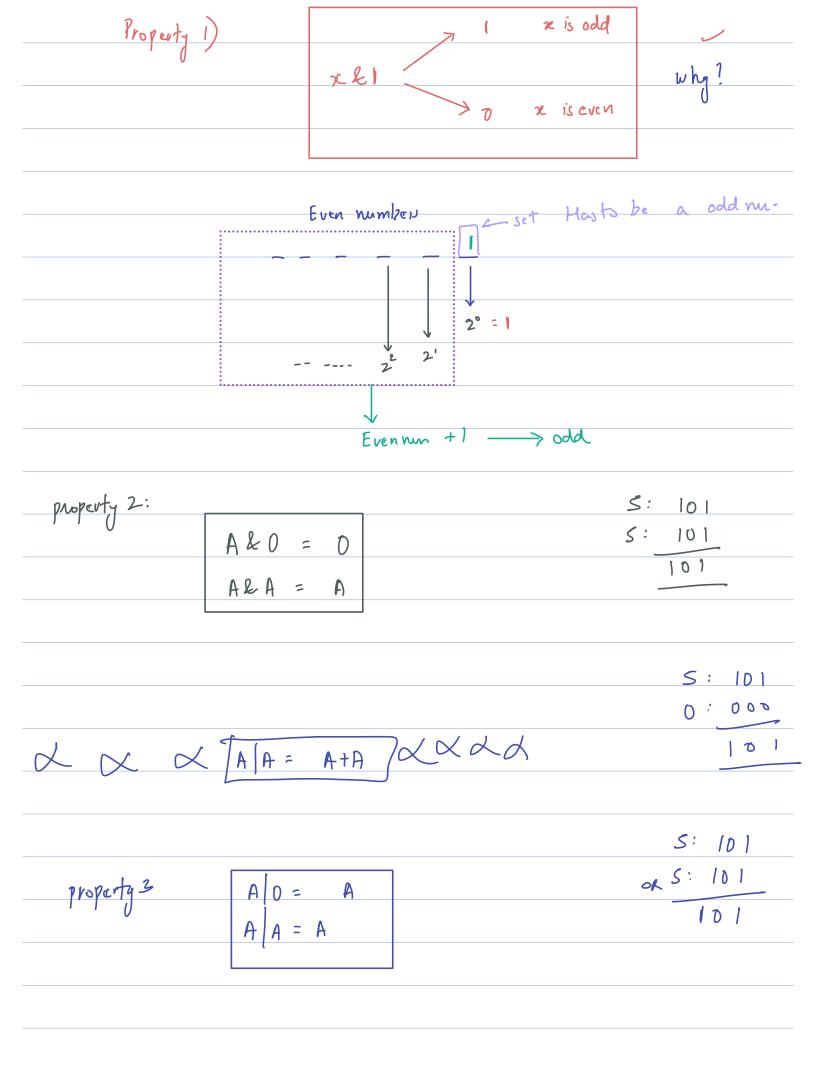




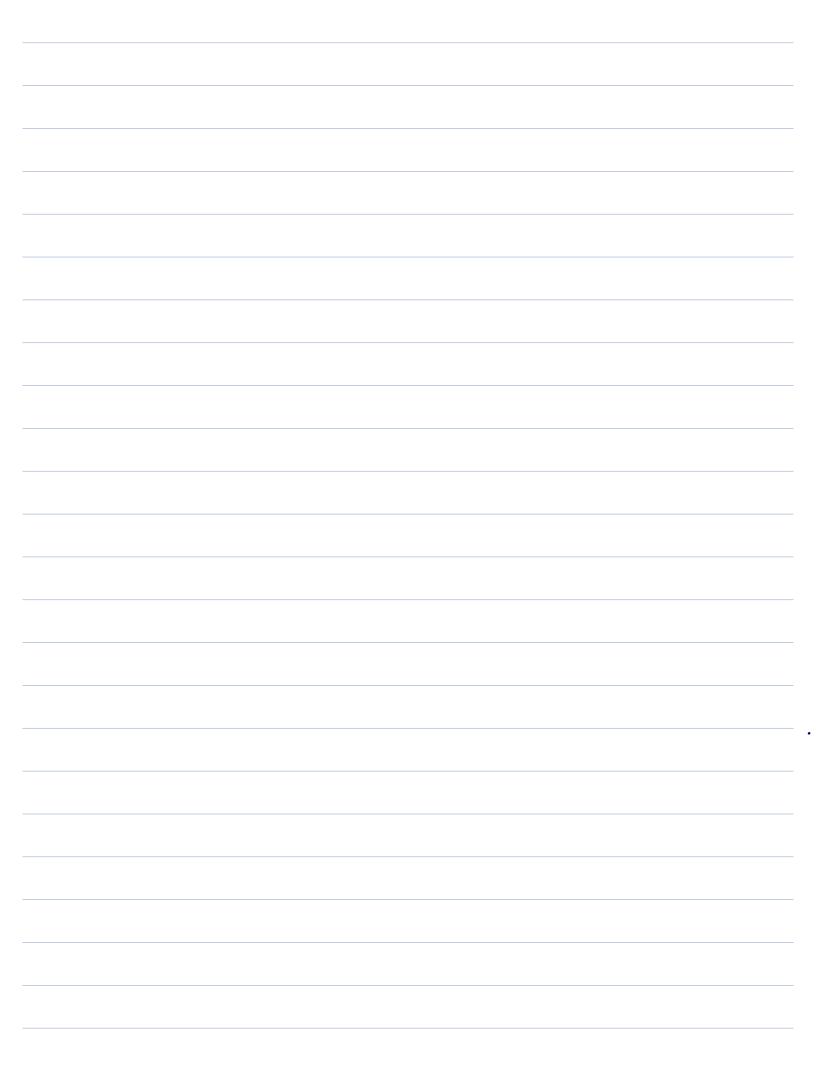




10000



property 4	Ana = 0	A: 101010
1 1 0	A^D = A	A: 10 101 D
	N U = N	00000
1 0 0 =		A: 1001
0 1 0 = 0		0:0000
Ü		1001
	even A+	
Option Hors:	Anl =	5: 101
,	> odd A-1	00
	→	100 = 4
	Toggles the 0th bit	
	70	6: 110
		1: 001
	$A \mid I \longrightarrow$	111 = 7
	Buck (10: 36 - 10:46)	
	VACA (10 50 10 10)	



Commutative property:

A&B = B&A

$$AB = BA$$

Ausociative property

$$(AB)BC = (AC)B = ACBC$$

$$(AB)C = (AC)B = A(BC)$$

$$(AB)C = (AC)B = ACBC$$

anbncnbncndnd=
$\frac{a \wedge b \wedge c \wedge d \wedge d}{\downarrow}$
an bronear and = a
6
$\frac{1}{\sqrt{n}} \frac{3}{\sqrt{n}} \frac{3}{\sqrt{n}} \frac{3}{\sqrt{n}} = \frac{3}{\sqrt{n}} \frac{2}{\sqrt{n}} = \frac{3}{\sqrt{n}} \frac{2}{\sqrt{n}} = \frac{1}{\sqrt{n}} \frac{3}{\sqrt{n}} \frac{2}{\sqrt{n}} = \frac{3}{\sqrt{n}} \frac{2}{\sqrt{n}} = \frac{1}{\sqrt{n}} \frac{3}{\sqrt{n}} = \frac{1}{\sqrt{n}} \frac{3}{\sqrt{n}} \frac{2}{\sqrt{n}} = \frac{1}{\sqrt{n}} \frac{3}{\sqrt{n}} \frac{2}{\sqrt{n}} = \frac{1}{\sqrt{n}} \frac{3}{\sqrt{n}} \frac{2}{\sqrt{n}} = \frac{1}{\sqrt{n}} \frac{3}{\sqrt{n}} = \frac{1}{\sqrt{n}} = $
10 51

(Pi) Given an away of size N. All elements are repeating even no. of times. Except one 2 (Advance) element which is occurring odd no. of times. Find element occurring odd times.
A= \(\frac{2}{2}, 2, 3, 4, 3, 7, 3, 3, 7, 4, 6\)\\ Output: 6
2: 2
3: 4
9:2
7:2
6:1
1) Count occeevanc of all element:
$\bigcirc(N^2)$
$A \wedge A = D$
$A \wedge A \wedge A \wedge A = 0$
$A \wedge A \wedge A = A$

											_		
uniqu	u= 2	0	3	344	9	417	91713	417	4	0	16)	
1	u = 2	2.	3.	4	3	7	3.	3	7	4	6)		
					/					,			
	union so												
	unique = 0 $Unique = 0$												
	for (i=0;i <n;i+) =="" ali)="" d(1)="" ruturn="" sc:="" td="" unique="unique" unique<="" {=""><td></td></n;i+)>												
	Liturn unique "Al"												
					ulur.	n u	mju						

