2421 Code (2\*4-2-1) (BCD type) \*> MSB 2 Decimal Set-I | Set-IT 2421 (Lower Signifine) (Self Complementing) digg+ 0001 00016 0010 00106 0011 0100 0100-0101 0110 11005 0 1 11 101 1110 1 1 1 1 1111 This is preferred This This This Higher so not used OOIOX tigher significance

7

1

Self Complementing is called Reflective

9 -> Complement of 0 1111 -> 0000 8 -> Complement of 1 1110 -> 0001 7 -> Complement of 2 1101 -> 0010

Decimal	7421	5421	3321	20.37	
0	0000	0000	(2000	8427	7421
1	1000	0001	0001	0111	0000
2	0010	0010	0010	0110	0110
3	0011	0011	0011	0101	0101
4	0100	0100	0101	0100	0100
5	0101	9000	orpro	1011	1010
6	0110	1001	1100	1010	1001
7	1000	1010	1101	100	1000
2	1001	1011	1110	1000	1111
9	1010	1100	1111	111	1/1110

1) Convert (37) 10 to 2421 (ode 2) Decimal equinalent. 010011001110 Ly 2421 code.

Decimal - 3 8421 code add Excess-3 (BCD Code)

$$A \rightarrow BCD \rightarrow A+3$$
 $5 \rightarrow 0001 \rightarrow 0001$ 
 $+0001$ 
 $1000 \rightarrow XS-3 Code$ 

(8)  $X-3 Code$ 

L> X-3 Code donot is unweighted code. L> Y-bit Code (0-9)

Decimal	BCD	XS-3	
0-23956789	7 0000 - 7 0010 - 7 0010 - 7 0010 - 7 0001 - 9 0001 -	→ 0110- → 0111- → 1000- → 1001- → 1010-	2 Se

