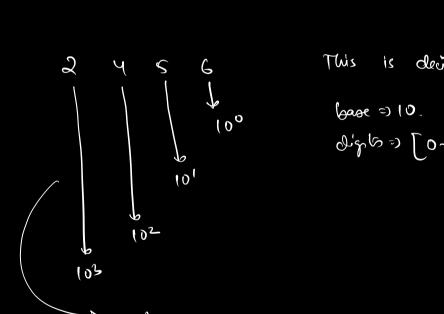
Bit Mani pulantulus

Number System ;-

- 2) 7x100 + 3x10 + 4x1
- => 7x102 9 3x101 +4x100.

6594 => 6x103 + 5x102 + 9x101 + 4x100.



This is decimal no. System

[P-0] (= 012)

200044004 poq 6

Other no system;

octal, haradechnal, temony, bonary

$$(125)_8 = 125$$
 $(125)_8 = 125$
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>> fucomet octal

$\langle \rho \rightarrow \beta \rangle$

$$28 \Rightarrow 28 \Rightarrow 0 \Rightarrow (11100)_{2}$$

$$2 | 14 \Rightarrow 0$$

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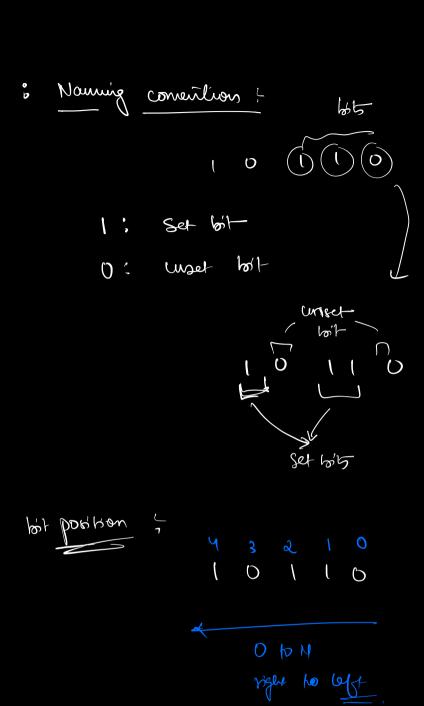
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: Addition I decimal]

$$V:2 \rightarrow 121/10$$

 $C:1 \rightarrow 12/10$

$$V=d \rightarrow 12^{1}/10$$

 $C=1 \rightarrow 12/10$

of every step.
$$V = 8um\%.10.$$

 $C = 8um/10.$

-4:- 1 1 1 1 1 0 0 (-27) 26 25 27 21 22 21 20

-27 + 26 + 28 + 24 + 23 + 22 => -128 + 64 + 32 + 16 + 8 + 4 => (-9)

N hits

[-2N-1, 2N-1]
$$N=5 \Rightarrow \left[-2^{s-1}, 2^{s-1}-1\right]$$

$$\Rightarrow \left[-2^{s}, 2^{s-1}\right]$$

$$\Rightarrow \left[-16, 15\right]$$
Range for M Whi $\Rightarrow \left[-2^{N-1}, 2^{N-1}-1\right]$

Dosotypes

by
$$e^{-2}$$
 & 64 bits $= \begin{bmatrix} -2^{7}, 2^{7} - 1 \end{bmatrix}$
those $= \begin{bmatrix} -2^{15}, 2^{15} - 1 \end{bmatrix}$
int $= \begin{bmatrix} -2^{15}, 2^{15} - 1 \end{bmatrix}$
long $= \begin{bmatrix} -2^{15}, 2^{15} - 1 \end{bmatrix}$

Culong both sides

Donlos

