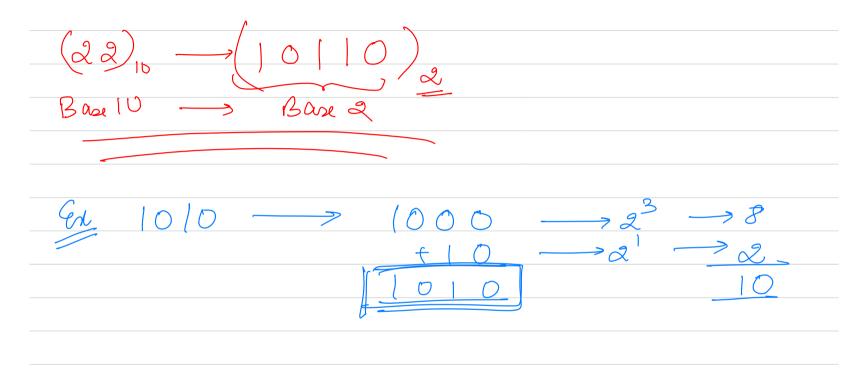


Decimal -> Binary (40 -1 0+1-1 # Binary -> Decimal 141010 -> Let's say we have, 10110 - convert - Decimal = 5/0000 72 9t is the addition +100 f2 epiwalint of these 3

B+0 -6



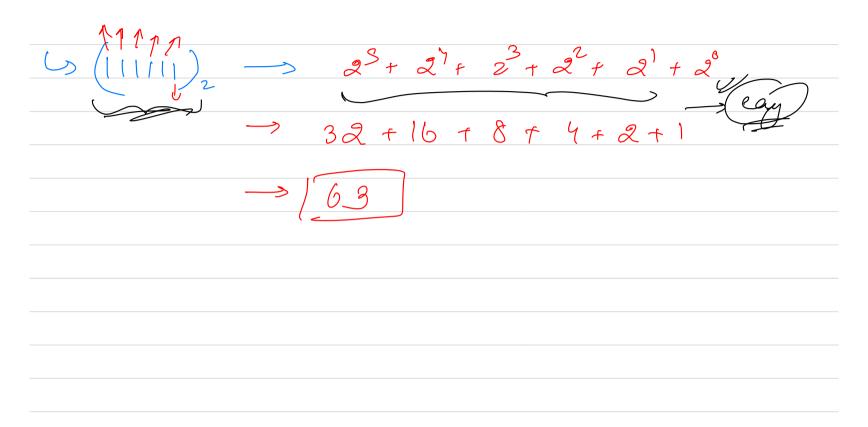
1 1 20 th 4th + 10 0000 24 Eg uwalent +2+) → 23

$$\begin{array}{c} 10 | 10 \longrightarrow (1 \times 2^{4}) + (0 \times 2^{3}) + (1 \times 2^{3}) +$$

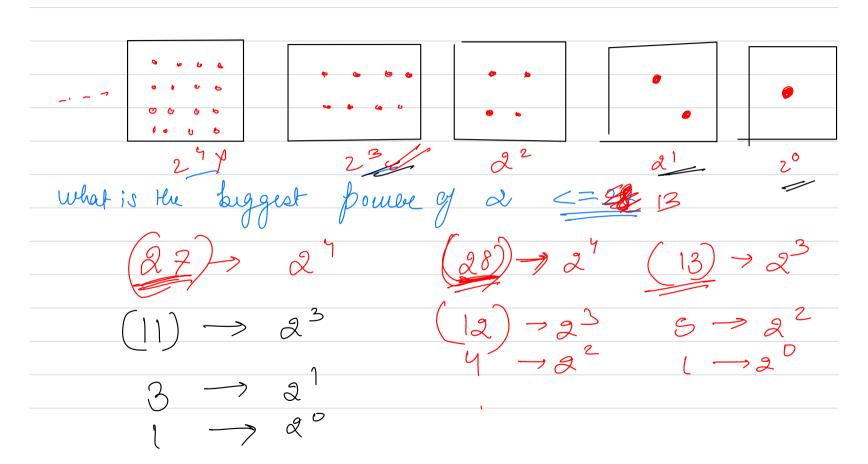
$$(x2^{\frac{1}{2}}) + (0x2^{\frac{6}{2}}) + (0x2^{\frac{6}{2}}) + (0x2^{\frac{1}{2}}) + (0x2^{\frac{3}{2}}) + (0x2^{\frac{3}{2}}) + (0x2^{\frac{3}{2}}) + (0x2^{\frac{1}{2}}) + (0x2^{\frac{1}{$$

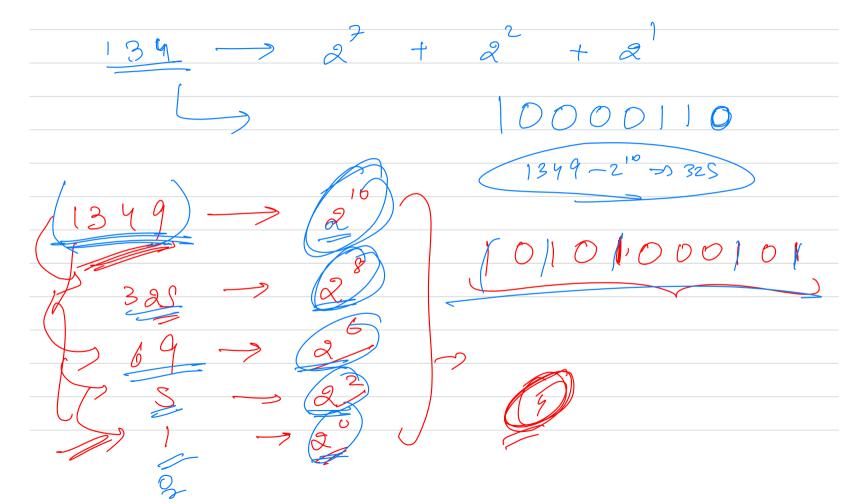
En > 1011 > 2+0+2+2° > 11 [00000 → 32 111111 -> 63 1001011 21+26+27+21+2

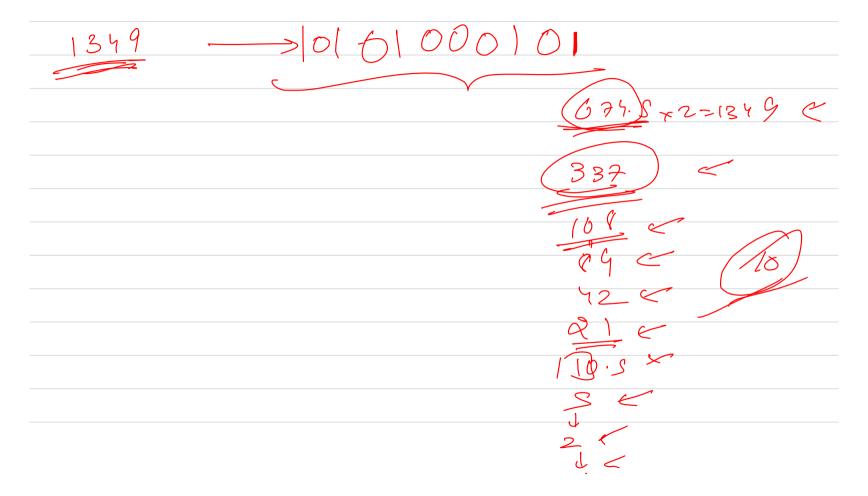
Benaz 39 72=78 Benazy 142-2



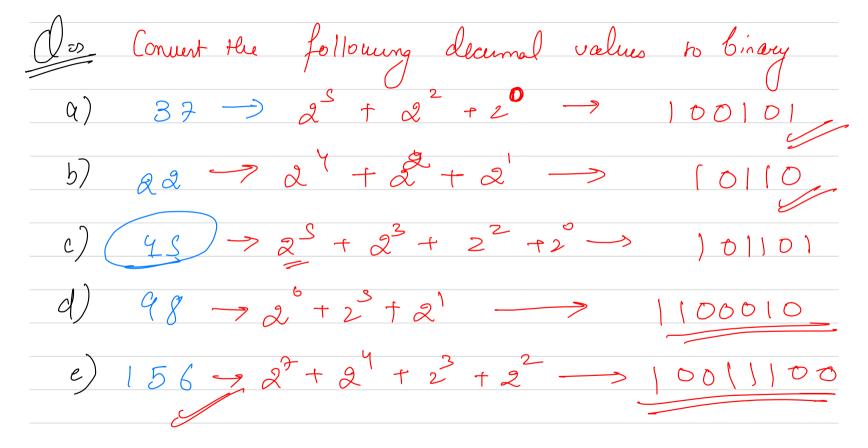
We want to represent decimal a bower of 2

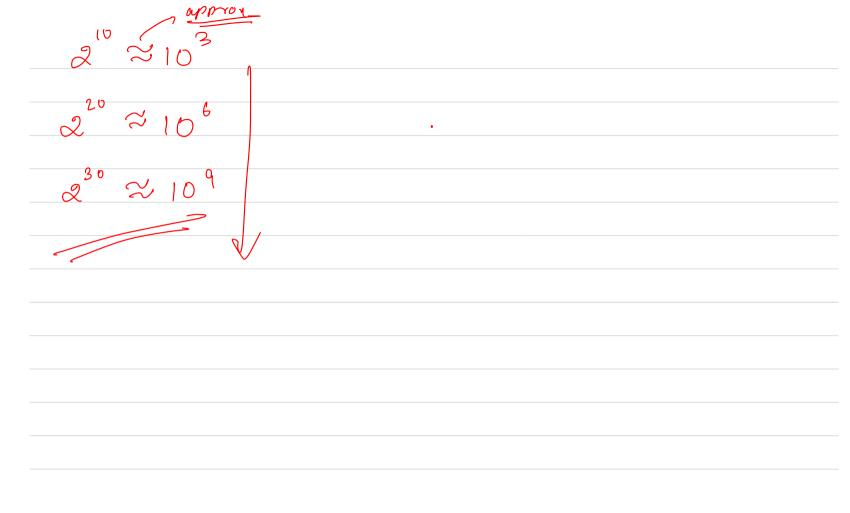


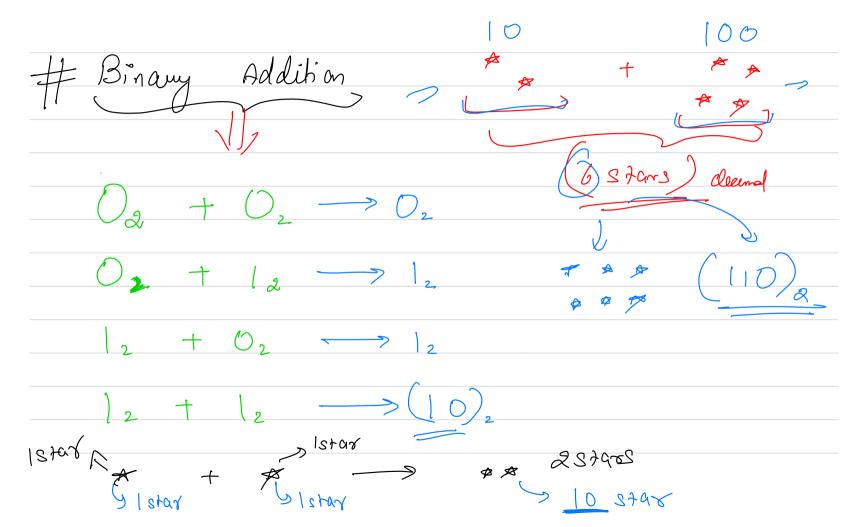


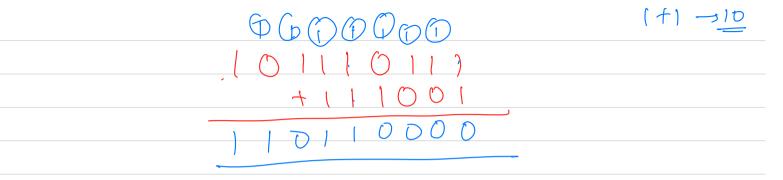


De Enample - Cenunt 89 to binary 89-64= 25



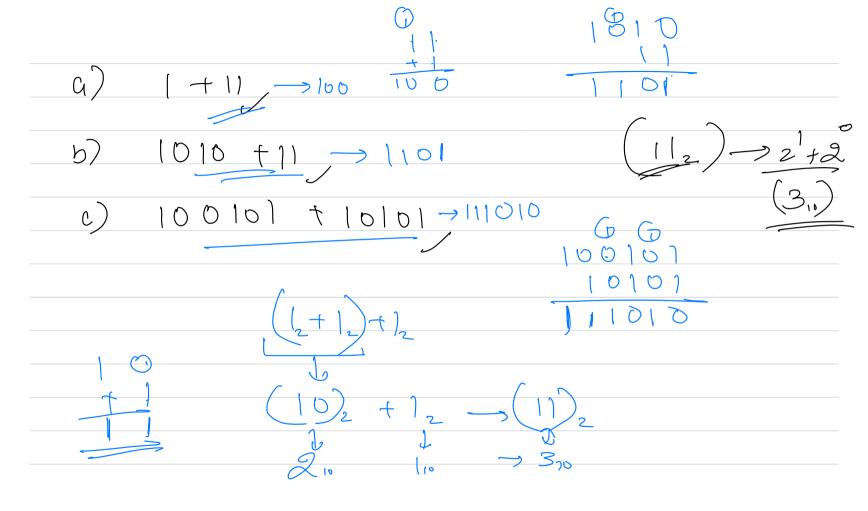






$$\begin{array}{c}
(1+1)+1_2 \\
(10)+1 \\
10 \\
\end{array}$$

$$\begin{array}{c}
1 \\
1 \\
1 \\
1 \\
\end{array}$$



HPUZZLE -> Aman throws a party & everyone from PEC is invited. Amon how 1000 bottles of blockmal.

Cold drinks le there is one bottle which is poisoned. Now Aman has to elemenate this bottle. For this he has got 10 rats man can let rats drunk the cold drunk from bottle la if me vats fell aslet then They drank from the poisoned bothes.
Poison takes this boshow the 37 mb dom, Bo almost this 1 eft for fourth.

1 10 1000 botto - ilabel 61 rous We labelled every 60H/e a king Symbal Now take each bolle one by one choose the in if im but is 13 12 200

100000 - bottley_ > How many mir hats you repune for the expens

3 fearl electronic circutes Called as lopic gales - Input pine, output pur NOT & AND * OR * NOT

6/10 0 O -> Bulb ηV

