$$\frac{10}{10^8} = 10 = 10^2 = 100$$

( ) I second () CPU took complete 850 mile (roughly) 10 21/21/10

$$\begin{cases}
for(int i=1; i \le 10; i+r) \\
\begin{cases}
//some task
\end{cases}$$

$$(1111111)_2 \rightarrow (255)_{10}$$
 $(10000000)_2 \rightarrow (256)_{10}$ 

int num1;  $\rightarrow$  4 Bytes  $\rightarrow$  32 bits  $2^{32}-1$  [0,4]

$$\begin{bmatrix} 0, 2 - 1 \end{bmatrix}$$

$$\begin{array}{c}
(3) \left[\begin{array}{c} 2^{2} + 1 \end{array}\right] \rightarrow \left[\begin{array}{c} 0 & 3 \end{array}\right] \\
\left[\begin{array}{c} -2 & 2^{2} + 1 \end{array}\right] \rightarrow \left[\begin{array}{c} -2^{4} & 4 - 1 \end{array}\right]$$

$$\begin{pmatrix} L^{0}, L^{-2}, L^{-1} \end{pmatrix}$$

long long num 2; 
$$\begin{bmatrix} 8 \text{ by tes} \end{bmatrix} \rightarrow \begin{bmatrix} 646 \text{ i.ts} \end{bmatrix} \rightarrow \begin{bmatrix} 0.2^{64} - 1 \end{bmatrix}$$
  
chart ch;  $\begin{bmatrix} 1 \text{ By te} \end{bmatrix} \rightarrow \begin{bmatrix} 86 \text{ i.t} \end{bmatrix} \rightarrow \begin{bmatrix} 0.2^8 - 1 \end{bmatrix}$   $\begin{bmatrix} -2^3 + 2^{63} - 1 \end{bmatrix}$ 

A	β	/ X = A.B
0	0	0
<b>S</b>	0	0

$$XOR$$

$$A \mid B \mid X = A \oplus B$$

XOR

A 1	B	X= ABB
0	0	0
, 9	1	1
Ţ	0	1
1	1	0