$$8 \quad 4 \quad 2 \quad 1$$

$$1 \ 1 \ 0 \ 1_{(2)}$$

$$1101_2$$

$$13_{10}$$

$$1 \cdot 2^3 + 1 \cdot 2^2 + 0 \cdot 2^1 + 1 \cdot 2^0$$

$$8 + 4 + 0 + 1 = 13_{10}$$

print(x)

$$\overset{64}{1}\ \overset{32}{1}\ \overset{16}{0}\ \overset{8}{1}\ \overset{4}{0}\ \overset{2}{1}\ \overset{1}{1}$$

$$64 + 32 + 8 + 2 + 1 = 107_{10}$$

DEC $\rightarrow$ BIN

$74_{10} = (\qquad)_2$?

$64 + 10$

$64 + 8 + 2$

$2^6 + 2^3 + 2^1$

1001010_2

$$DEC \rightarrow BIN$$

$$: 2$$

74	0
37	1
18	0
9	1
4	0
2	0
1	1
0	

$$\rightarrow 100\ 10\ 10_2$$

$$74 : 2 = 37$$
$$37 : 2 = 18 \text{ RESTO } 1$$

$$
\begin{array}{ccccccc}
 & \overset{1}{0} & \overset{1}{1} & 0 & \overset{1}{1} & \overset{1}{1} & 0 \\
 & 0 & 0 & 1 & 0 & 1 & 0 \\
\hline
 & 1 & 0 & 0 & 0 & 0 & 0
\end{array}
$$

$+$

$16 + 4 + 2 = 22$

$=$

$8 + 2 = 10$

$\underline{32}$

$= 32$

2^5

$$\frac{00}{0} \qquad \frac{0\ 1}{1} \qquad \frac{1\ 0}{1} \qquad \frac{1\ 1}{0}$$

$2 \rightarrow 0\ R1$

$3 \rightarrow 1\ R1$

$$\frac{1\ 00}{1} \qquad \frac{1\ 0\ 1}{0} \qquad \frac{1\ 1}{0} \qquad \frac{1\ 1}{1}$$

$$-1 \quad +2$$
$$1 \; 0 \; 1 \; 1 \; 0 \; - \qquad 22-$$
$$\underline{0 \; 1 \; 0 \; 1 \; 0} = \qquad \underline{10}$$
$$0 \; 1 \; 1 \; 0 \; 0 \qquad\qquad 12$$

$$10011100$$

$$\boxed{-1}\,^{+2}$$
$$01- \qquad 1-$$
$$\underline{10} \qquad \underline{2}$$
$$11 \qquad 3$$