



~~IIII~~

IIII

VIIII

0 1 2 3 4 5 6 7 8 9 A B

10
↑

X
↑
10ⁿ

Thousands ten
| |
2501
| |
hundred one

X · 10ⁿ

Base - 10
decimal

Octal (base 8)

123

83

8^2 8^1 8^0

64 8 1
3

$$64 + 16 + 3 = 83$$

|

1^3 1^2 1^1 1^0

... | | (| |) | | | |

binary

$$\begin{array}{r} 2501 \\ - 2048 \\ \hline 453 \end{array}$$

$$\begin{array}{r} 3 \overline{)453} \\ -256 \\ \hline 197 \\ -128 \\ \hline 69 \\ 64 \\ \hline 5 \end{array}$$

octal 4705

← 100,111,000,101

base-16

hexadecimal

100 | 1100 | 0101
9 C 5

0 → 9 a → f

binary

- do not write

rare

0b0011001

octal

- 01352

0.1352

decimal

- 1352

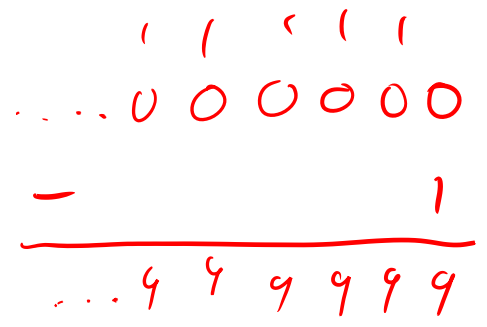
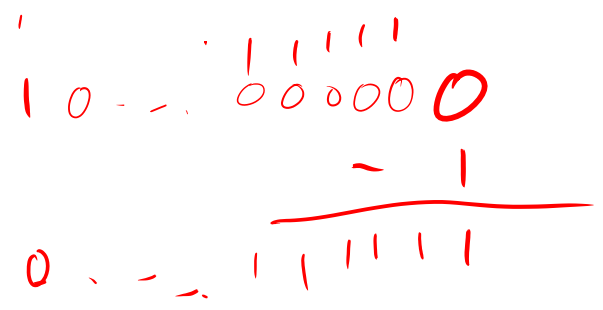
hexadecimal

- 0x1352

1-356-123

123-45-678-901
↑

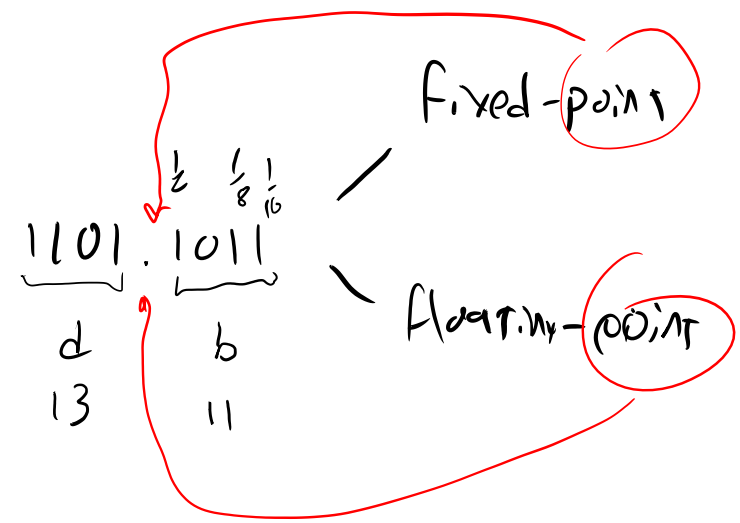
Negative



NOT - integer

12.25

$10^1 \cdot 10^0 \cdot 10^{-1} \cdot 10^{-2}$



IEEE FP

