1.
$$32 = 1000000$$
$$2^{(+} \cdot 2^{1}$$

$$0x1f = 0x0001\,1111$$

$$\sim\ 0x\cancel{111}$$

$$\mathcal{A} \cdot !$$

$$-8$$

$$M[ecx + 4 \cdot ebx] \to eax.$$

$$M[ecx] = 0$$
$$M[ecx+1] = 1$$
$$movl$$

char = 2 byte $10 \to 16 = \cancel{1111}\,000\,00\cancel{0000}$
$= \boxed{-15}$ 1111000

3·8
4   15·8
10   8