

16 10-2 8 16-10 $\sqrt{1}$

| | | | | | | | | |
|---|---|---|---|---|---|---|---|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 16 |
| 1 | 2 | 3 | 4 | 5 | 6 | 6 | 4 | |
| | | | | | | | | 14 |
| | | | | | | | | 777604 |
| | | | | | | | | 771600 |
| | | | | | | | | 4 |
| | | | | | | | | 48225 |
| | | | | | | | | 48224 |
| | | | | | | | | 3014 |
| | | | | | | | | 3008 |
| | | | | | | | | 6 |
| | | | | | | | | 138 |
| | | | | | | | | 176 |
| | | | | | | | | 72 |

Answer: BC614E₁₆

| | | | | | | | |
|---|---|---|---|---|---|---|-------|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | | | 0 |
| | | | | | | | 62500 |
| | | | | | | | 62496 |
| | | | | | | | 4 |
| | | | | | | | 3906 |
| | | | | | | | 3904 |
| | | | | | | | 2 |
| | | | | | | | 244 |
| | | | | | | | 240 |
| | | | | | | | 4 |

Answer: F4240₁₆

№2

Перевод из 16-й в 10-ю

$$\begin{aligned}
 1) \quad 12345678_{16} &= (1 \cdot 16^7) + (2 \cdot 16^6) + (3 \cdot 16^5) + \\
 &+ (4 \cdot 16^4) + (5 \cdot 16^3) + (6 \cdot 16^2) + (7 \cdot 16^1) + (8 \cdot 16^0) = \\
 &= 268435456 + 33554432 + 3145728 + \\
 &+ 262144 + 20480 + 1536 + 112 + 8 = \\
 &= \underline{\underline{305419896_{10}}}
 \end{aligned}$$

$$\begin{aligned}
 2) \quad 1000000_{16} &= (1 \cdot 16^6) + (0 \cdot 16^5 + \dots + 0 \cdot 16^0) = \\
 &= \underline{\underline{16777216_{10}}}
 \end{aligned}$$

✓3

A88B88!C

A - служебное слово

B - мед

C - мед

Ny

$$A \Rightarrow B = \neg A \vee B$$

| A | B | $A \Rightarrow B$ | $\neg A \vee B$ |
|---|---|-------------------|-----------------|
| 0 | 0 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |

$$A \Leftrightarrow B = (A \wedge B) \vee (\neg A \wedge \neg B)$$

Answer

| A | B | $A \Leftrightarrow B$ | $A \wedge B$ | $\neg A \wedge \neg B$ | $(A \wedge B) \vee (\neg A \wedge \neg B)$ |
|---|---|-----------------------|--------------|------------------------|--|
| 0 | 0 | 1 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 | 1 |