

2. Перевести из 16 в 10 систему 12345678, 1000000

$$\begin{aligned} 12345678_{16} &= 1 \cdot 16^7 + 2 \cdot 16^6 + 3 \cdot 16^5 + 4 \cdot 16^4 + 5 \cdot 16^3 + 6 \cdot 16^2 + 7 \cdot 16^1 + 8 \cdot 16^0 = \\ &= 1 \cdot 268\,435\,456 + 2 \cdot 16\,777\,216 + 3 \cdot 1\,048\,576 + 4 \cdot 65\,536 + 5 \cdot 4\,096 + 6 \cdot 256 + \dots \\ &\dots + 7 \cdot 16 + 8 \cdot 1 = 268\,435\,456 + 33\,554\,432 + 3\,145\,728 + 262\,144 + 20\,480 + \dots \\ &\dots + 1536 + 112 + 8 = 305\,419\,896 \end{aligned}$$

$$1000000_{16} = 1 \cdot 16^6 + 0 \cdot 16^5 + 0 \cdot 16^4 + 0 \cdot 16^3 + 0 \cdot 16^2 + 0 \cdot 16^1 + 0 \cdot 16^0 = 16\,777\,216$$