

Вариант 10.

1) And  $[rax + 4 \times r8x - 2], dl$

0 1 00 1000 REX    00 1000 and.    00 VV    01 mod    010 r    100 r/m    10 011 000 SIB    11111110 cmovs.

2) 0100

0000 0001 add    0000 VV    0000 mod    0000 r/m

16p: add  $[8x + 5], ax$

32p: add  $[eax], ax$

AT&T: add  $\%ax, (\%eax)$

3) F00f sar, rcr, shr

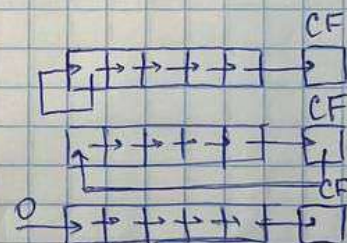
$$F00f_{16} = (15 \cdot 16^3) + (0 \cdot 16^2) + (0 \cdot 16^1) + (15 \cdot 16^0) = 61440 + 0 + 15 = 61455_{10}$$

$$61455_{10} = 1111000000001111_2$$

sar: 11111000000000111  $\rightarrow c=1$

rcr: 1111110000000011  $\rightarrow c=1$

shr: 01111110000000001



4) 0,5

$$1. 0,5_{10} = 0,1_2$$

$$2. 1,0 \cdot 2^{-1}$$

$$3. 0 \_ 01111111$$

$$\frac{0011111100000000 \dots}{3F \quad F \quad 0 \quad 0 \quad \dots}$$