

Практическая работа №1

$$\lfloor \frac{48}{2} \rfloor = 24, 48 \bmod 2 = 0;$$

$$\lfloor \frac{24}{2} \rfloor = 12, 24 \bmod 2 = 0;$$

$$\lfloor \frac{12}{2} \rfloor = 6, 12 \bmod 2 = 0;$$

$$\lfloor \frac{6}{2} \rfloor = 3, 6 \bmod 2 = 0;$$

$$\lfloor \frac{3}{2} \rfloor = 1, 3 \bmod 2 = 1;$$

$$\lfloor \frac{1}{2} \rfloor = 0, 1 \bmod 2 = 1;$$

Я таблица		
48/2	24	48mod2=0
24/2	12	24mod2=0
12/2	6	12mod2=0
6/2	3	6mod2=0
3/2	1	3mod2=1
1/2	0	1mod2=1

$$48_{10} = 11000_2;$$

$$(1 \times 2^5) + (1 \times 2^4) + (0 \times 2^3) + (0 \times 2^2) + (0 \times 2^1) + (0 \times 2^0) = 32 + 16 + 0 + 0 + 0 + 0 = 48$$