**ГЛАВА 15**

**1.**

a. 3 = 0000 0011

б. 13 = 0000 1101

в. 59 = 0011 1011

г. 119 = 0111 0111

**2.**

а. 00010101 = 21(10), 25(8), 15(16)

б. 01010101 = 85(10), 125(8), 55(16)

в. 01001100 = 76(10), 114(8), 4С(16)

г. 10011101 = 157(10), 235(8), 9D(16)

**3.**

а. ~3 = ~0000 0011 = 1111 1100

б. 3 & 6 = 0000 0011 & 0000 0110 = 0000 0010

в. 3 | 6 = 0000 0011 | 0000 0110 = 0000 0111

г. 1 | 6 = 0000 0001 | 0000 0110 = 0000 0111

д. 3 ^ 6 = 0000 0011 ^ 0000 0110 = 0000 0101

е. 7 >> 1 = 0000 0111 >> 1 = 0000 0011

ж. 7 << 2 = 0000 0111 << 2 = 0001 1100

**4.**

а. ~ 0 = 1 Не правильно! Будет 1111 1111 = 255

б. !0 = true

в. 2 & 4 = 0000 0010 & 0000 0100 = 0000 0000

г. 2 && 4 = true

д. 2 | 4 = 0000 0010 | 0000 0100 = 0000 0110

е. 2 || 4 = true

ж. 5 << 3 = 0000 0101 << 3 = 0010 1000

**5.**

0111 1111(2)

127(10)

0177(8)

0х7F(16)

**7.**

struct tinkerbell {

unsigned int count\_drives : 2;

unsigned int : 1;

unsigned int count\_disk\_drives : 2;

unsigned int : 1;

unsigned int cont\_hard\_drives : 2;

};

б.

struct klinkerbell {

unsigned int cont\_hard\_drives : 2;

unsigned int : 1;

unsigned int count\_disk\_drives : 2;

unsigned int : 1;

unsigned int count\_drives : 2;

};