

Homework1

这是 [Homework1.pdf](#)的标准答案。

Q1

Binary	Octal	Decimal	Hexadecimal
101 0101 0110	2526	1366	0x556
1 1111 1111	777	511	0x1FF
1 1100 0101	705	453	0x1C5
111 1101 1111	3737	2015	0x7DF
100 0000 1101	2015	1037	0x40D

Q2

A = 0x7F = 0111 1111; B = 0xBA = 1011 1010; (a)A & B = 0011 1010 = 0x3A; (b)A | B = 1111 1111 = 0xFF; (c)A ^ B = 1100 0101 = 0xC5; (d)~A | ~B = ~(A & B) = 1100 0101 = 0xC5; (e)A &&B = true; (f)A || B = true;

Q3

(a)!(~x); (b)!x; (c)x & 0xff; (d)!(x & 0xff);

Q4

注意使用32位掩码

(x & 0x0000ffff) + (y & 0xffff0000);