第一次作业

题目一

Binary	Octal	Decimal	Hexadecimal
10101010110	2526	1366	0x556
111111111	777	511	0x1ff
111000101	705	453	0x1c5
11111011111	3737	2015	0x7df
10000001101	2015	1037	0x40d

题目二

- a) 0x3A
- b) 0xFF
- c) 0xC5
- d) 0xC5
- e) 1
- f) 1

题目三

- a) `return !~x`
- b) `return ~x`
- c) `return (x & 0xFF)==0xFF`
- d) `return (x & 0xFF)==0x00`

题目四

`(x&0x0000FFFF)|(y&0xFFFF0000)`

草稿

1000　8
1001　9
1010　A
1011　B
1100　C.

$7 \times 64 + 5 =$

$$
\begin{array}{r}
64 \\
\times\ 7 \\
\hline
448 \\
+\ 5 \\
\hline
454.
\end{array}
$$

A: 01111111
B: 10111010
&: 00111010 3A
|: 11111111 FF
^: 11000101 C5
~|~: 11000101 C5

0|000000|101

$2 \times 8 \times 64 + 8 + 5$

$$
\begin{array}{r}
129 \\
\times\ 8 \\
\hline
+\ 7 \\
\hline
1032
\end{array}
$$

$$
\begin{array}{l|r}
2 & 2015 \\
2 & 1007 \quad 1 \\
2 & 503 \quad 1 \\
2 & 251 \quad 1 \\
2 & 125 \quad 1 \\
2 & 62 \quad 1 \\
2 & 31 \quad 0 \\
2 & 15 \quad 1 \\
2 & 7 \quad 1 \\
2 & 3 \quad 1 \\
& \quad 1
\end{array}
$$

$2 + 4 + 16 + 64 + 256 + 1024.$

$22 + 64$

$$
\begin{array}{r}
86 \\
\times\ 6 \\
\hline
342 \\
10 \cdot 24 \\
\hline
13.66
\end{array}
$$

$7 + 7 \times 8 + 7 \times 64.$

$$
\begin{array}{r}
73 \\
\times\ 7 \\
\hline
511
\end{array}
$$