

# Homework2

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这是 [Homework2.pdf](#) 的标准答案。

## Q1

Value	Two's complement
37	00100101
-15	11110001
85	01010101
-86	10101010

## Q2

Expression	Binary Representation
us	1101
ui	11001100
us«1	1010
i»2	11110011
ui»2	00110011
short(i)	1100
(int)s	11111101

## Q3

```
int uadd_ok(unsigned x, unsigned y)
{
    unsigned sum = x+y;
    if(sum < x && sum < y)
        return 1;
    else return 0;
}

#include <limits.h>
int uadd_ok(unsigned x, unsigned y):
{
    return (x > UINT_MAX - y);
}
```

