ICS作业2答案

邢添瑆　2024202862

1

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

2

expression	Binary Representation
us	1101
ui	1100 1100
us << 1	1010
i >> 2	1111 0011
ui >> 2	0011 0011
(short) i	1100
(int) s	1111 1101

3

```
/ * Determine whether arguments can be added without overflow
* This function should return 0 if arguments x and y can be added without causing overflow
*/
int uadd_ok(unsigned x, unsigned y) {
    unsigned sum = x + y;
    return sum < x;
}
```

附: