- 题目 1
 - Assume we have an integer type of 8 bits, fill in the table below.

Value	Two's complement
37	
-15	
	01010101
	10101010

- 题目 2
 - Consider the following C expressions:
 - short s = -3;
 - unsigned short us = s;
 - int i = -52;
 - unsigned int ui = i;
 - Assume we are running code on 8-bit machine using two's complement for singed integers. Also assume that right shift of signed values are performed arithmetically. A "short" integer is encoded 4 bits. Fill in the table below.

• 题目 2

Expression	Binary Representation
us	
ui	
us << 1	
i >> 2	
ui >> 2	
(short) i	
(int) s	

- 题目 3
 - Write a function with the following prototype:
 - /* 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);