

题目 1

| Operand | Value |
|-----------------|-------|
| %ebx | 0x100 |
| \$0x150 | 0x150 |
| (%ebx) | 0x10 |
| (%ebx,%eax) | 0x11 |
| 0x30(%ebx) | 0x13 |
| 80(%ebx,%eax,2) | 0x17 |

| Instruction | Destination | Value |
|-----------------------|-------------|-------|
| addl %eax,%ebx | %ebx | 0x110 |
| subl %eax,(%ebx) | 0x100 | 0 |
| leal 0x50(%eax), %edx | %edx | 0x60 |
| movzbl %al, %ebx | %ebx | 0x10 |
| movsbl %bh, %ecx | %ecx | 0x1 |

| Instruction | OF | SF | ZF | CF |
|-----------------|----|----|----|----|
| leal(%eax),%ebx | 0 | 0 | 0 | 0 |
| subl %ebx, %eax | 0 | 1 | 0 | 1 |
| xorl %eax, %eax | 0 | 0 | 1 | 0 |
| test %eax, %ebx | 0 | 0 | 1 | 0 |

题目 2

```
int function() {
    int i = 3;
    int b = 2;
    int a = 1;
    int temp;
    while (i <= 5) {
        temp = a;
        a = b;
        b = temp + b;
        i++;
    }
    return b;
}
```