```
 0010                    0101
+1001                   +1110
 1011 = -5              10011 = 3

(a) M = 2 = 0010        (b) M = 5 = 0101
    S = 7 = 0111            S = 2 = 0010
   -S =     1001           -S =     1110
```

---

```
 1011                    0101
+1110                   +0010
11001 = -7               0111 = 7

(c) M =-5 = 1011        (d) M = 5 = 0101
    S = 2 = 0010            S =-2 = 1110
   -S =     1110           -S =     0010
```

---

```
 0111                    1010
+0111                   +1100
 1110 = Overflow        10110 = Overflow

(e) M = 7 = 0111        (f) M =-6 = 1010
    S =-7 = 1001            S = 4 = 0100
   -S =     0111           -S =     1100
```

**Figure 8.5 Subtraction of Numbers in Twos Complement Representation (M – S)**