

## 課題12-8

### プログラム

#### sub.v

```
module sub( a, b, diff );  
    input [3:0] a, b;  
    output [3:0] diff;  
    wire dummy; // coにダミーを接続  
  
    // a-b = a + ~b + 1'b1  
    add4 a1(a, ~b, 1'b1, diff, dummy);  
endmodule
```

### 実行結果

```
0001 - 0000 = 0001  
0001 - 0001 = 0000  
0000 - 0000 = 0000  
0000 - 0001 = 1111
```