

## 課題10-2

### プログラム

#### function.v

```
module kadai10_2(  
    input a,b,c,  
    output z  
);  
  
    function MDC;  
        input a,b,c;  
        MDC = (a & b) | (b & c) | (c & a);  
    endfunction  
  
    assign z = MDC(a, b, c);  
endmodule
```

### 実行結果

```
VCD info: dumpfile gate3_test.vcd opened for output.  
a = 0, b = 0, c = 0, z = 0  
a = 0, b = 0, c = 1, z = 0  
a = 0, b = 1, c = 0, z = 0  
a = 0, b = 1, c = 1, z = 1  
a = 1, b = 0, c = 0, z = 0  
a = 1, b = 0, c = 1, z = 1  
a = 1, b = 1, c = 0, z = 1  
a = 1, b = 1, c = 1, z = 1
```