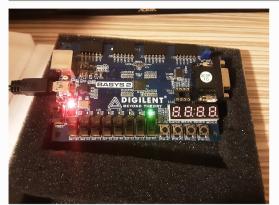


```
1
    timescale 1ns / 1ps
2
   module main(a,b,c,d
3
4
      );
5
       input a,b,c;
6
7
       output d;
8
       assign d = a&b&c;
9
10
11
   endmodule
12
13
```

```
1 NET a LOC = "P11";
2 NET b LOC = "L3";
3 NET c LOC = "K3";
4 NET d LOC = "M5";
```

```
// initialize inputs
20
21
           a = 1;
b = 0;
22
23
           c = 0;

// Wait 100 ns for global reset to finish
24
25
26
27
           a = 1;
b = 1;
28
29
           c = 0;
30
31
           #10
32
33
           a = 1;
b = 1;
c = 1;
34
35
36
37
           #10
38
39
           // Add stimulus here
40
41
        end
42
43
44 endmodule
```



a	ه	C	d
0	0	0	0
O	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1