



a	b	c	d
0	0	0	0
0	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

```

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

```

```

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

```

```

20  // initialize inputs
21
22  a = 1;
23  b = 0;
24  c = 0;
25  // Wait 100 ns for global reset to finish
26  #100;
27
28  a = 1;
29  b = 1;
30  c = 0;
31
32  #10
33
34  a = 1;
35  b = 1;
36  c = 1;
37
38  #10
39
40  // Add stimulus here
41
42  end
43
44 endmodule

```

