

Computer Architecture Practice - COM307P

Lab - 7

ALU

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```
1 a = 0000000000000000000000000000000000000000000000000000000000000000
2 b = 0000000000000000000000000000000000000000000000000000000000000001
3 sel = 100
4 res = 1111111111111111111111111111111111111111111111111111111111111111
5 integer i,j,k;
6
7 a = 0000000000000000000000000000000000000000000000000000000000000000
8 b = 0000000000000000000000000000000000000000000000000000000000000001
9 sel = 101 initial begin
10 res = 1111111111111111111111111111111111111111111111111111111111111110
11 $dumpvars(0, lal);
12 for(i=0;i<4;i=i+1)
13 a = 0000000000000000000000000000000000000000000000000000000000000000
14 b = 0000000000000000000000000000000000000000000000000000000000000001
15 sel = 110
16 res = 0000000000000000000000000000000000000000000000000000000000000000
17 a <= j;
18 b <= k;
19
20 a = 0000000000000000000000000000000000000000000000000000000000000000
21 b = 0000000000000000000000000000000000000000000000000000000000000001
22 sel = 111
23 res = 1111111111111111111111111111111111111111111111111111111111111110
24 end
25
26 a = 0000000000000000000000000000000000000000000000000000000000000000
27 b = 0000000000000000000000000000000000000000000000000000000000000010 = %b\n"
28 sel = 000 end
29 res = 0000000000000000000000000000000000000000000000000000000000000000
30
31
32 a = 0000000000000000000000000000000000000000000000000000000000000000
33 b = 0000000000000000000000000000000000000000000000000000000000000010
34 sel = 001
35 res = 0000000000000000000000000000000000000000000000000000000000000010
```

THE END

