

課題9-6(2)

プログラム

circuit.v

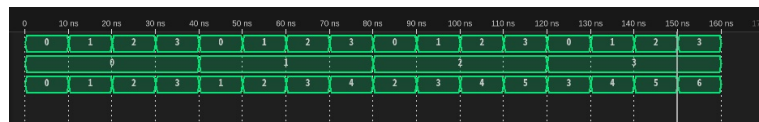
```
module kadai09_6 (  
    input [1:0] a,  
    input [1:0] b,  
    output [3:0] z  
);  
  
    assign z = {2'b00, a} + {2'b00, b};  
  
endmodule
```

実行結果

VCD info: dumpfile kadai09_6_test.vcd opened for output.

0:	a = 00,	b = 00,	z = 0000
10:	a = 01,	b = 00,	z = 0100
20:	a = 10,	b = 00,	z = 1000
30:	a = 11,	b = 00,	z = 1100
40:	a = 00,	b = 01,	z = 0001
50:	a = 01,	b = 01,	z = 0101
60:	a = 10,	b = 01,	z = 1001
70:	a = 11,	b = 01,	z = 1101
80:	a = 00,	b = 10,	z = 0010
90:	a = 01,	b = 10,	z = 0110
100:	a = 10,	b = 10,	z = 1010
110:	a = 11,	b = 10,	z = 1110
120:	a = 00,	b = 11,	z = 0011
130:	a = 01,	b = 11,	z = 0111
140:	a = 10,	b = 11,	z = 1011
150:	a = 11,	b = 11,	z = 1111

タイムチャート



波形