```
module expression_5(a0, a1, a2, a3, a4, a5, b0, b1, b2, b3, b4, b5,
y0,y1,y2,y3,y4,y5,y6,y7,y8,y9,y10,y11,y12,y13,y14,y15,y16,y17);
  input a0,a1,a2,a3,a4,a5;

  input b0,b1,b2,b3,b4,b5;

  output y0,y1,y2,y3,y4,y5,y6,y7,y8,y9,y10,y11,y12,y13,y14,y15,y16,y17;

  or(y0, a4, a2);
  assign y1 = (a4^~b0);
  nand(y2, b4, a4);
  assign y3 = (1'b0);
  assign y4 = (a4^~b1);
  assign y5 = ((a4^~b5)?~a4:(a0^~b5));
  assign y6 = ~a1;
  assign y7 = (((a4|a0)?(b0?b2:b2):(b0?a1:a1))?(a4^~a4):(1'b0));
  assign y8 = ((b2?b2:b2)?(b0?b0:b0):(b1?b2:b1));
  assign y9 = (((a0?b2:b2)?~b4:~b4)?((b0?b0:a2)?(a0?b2:b2):(1'b0)):(a4&a4));
  assign y10 = (a5|a5);
  assign y11 = ~b0;
  assign y12 = ((b0?b2:b2)?(b2?b1:a0):(a2?b0:b2));
  assign y13 = (1'b0);
  nor(y14, a5, b3, b5);
  assign y15 = ((b0|a1)?(a5&b5):(a0?a0:b2));
  nor(y16, a5, b4, a2);
  xor(y17, a0, b1, a0, a0, a5);
endmodule
```