```
`timescale 1ns / 1ps
// Company:
// Engineer:
//
// Create Date: 10/22/2020 01:19:30 AM
// Design Name:
// Module Name: MUX4 1
// Project Name:
// Target Devices:
// Tool Versions:
// Description:
//
// Dependencies:
//
// Revision:
// Revision 0.01 - File Created
// Additional Comments:
//
module MUX4 1(
  input [3:0] in,
  input [1:0] sel,
```

```
output out
);

assign out = (in[0] & ~sel[1] &
~sel[0])|(in[1] & ~sel[1] & sel[0])|(in[2] &
sel[1] & ~sel[0])|(in[3] & sel[1] & sel[0]);
endmodule
```