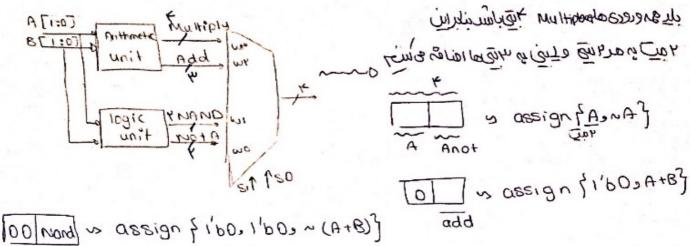
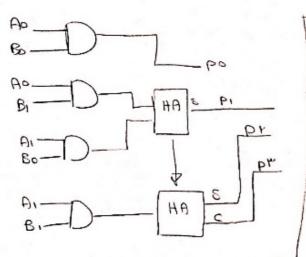
```
ALU - O (John MOR MOR 1010 000)

Chow ero / town Mor / O on 4) inde

and ero eronance on 4) into
```





```
module multiplexer (

source of the content of the
```

a esign y = sel[1]? (sel[0]? w3: w2): (sel[0]? w1: w6

module alu f

input (7:0) A;

input (7:0) B;

input (7:0) Sel;

input (7:0) Sel;

wire [3:0] Add;

wire [3:0] Nord;

wire [3:0] Nord;

wire [3:0] Nord;

assign Add= { 100, }100, }+ { 100,}

assign Nor = { A, ~A};

assign Nond = { 100, 100, ~AB};

assign multiply = { { 100, 100,}

input (88)};

multiplexer mux (Multipy, Add, mand, mot, sel;)

endmodule

```
1 Haif ) क्ष्णालीक
module half Adder (
      input As
      input B
       output sum ,
       out out c
   Xor gi( Sum, A, B);
   and gr (CoAsB);
    module mutiplexer (
    input (3:0) was
    input 13:07 WY,
     17pu (3:07 w79
     input 3:07 was
     input [7:0] sels
     r(0:6) Inatua
($10) ($10) $ (4m:40) $ ($10) $ ($10) $ ($10)
```

);

endmodule

)5

```
module alu ?
 : P[0:17 + Hani
 input [7:0] B.
 input [7:0] sel,
 output 13:074
 3;
  wire [2:0] w;
   wire [3:0] muliples
   wile c:
 11 not
  wire [3:0] Not;
   wire [7:0] and;
   assign anot = NA;
  estonach = + on neisa
 #nand
   chnon [o:8] sin
   : fw (0:F) griw
    ilas A) u = Em neizza
    i ftweod'lead'ly = brand rejease
 # add
   wire [3:0] Add;
   67W [0:5797iw
   (8+A)=RW nesses
   if Ywe Od' 4 = bdd Assign
* Multiple
  wire [2:0) w;
  wire [3:0] Multiple;
  wire (:
     qi(Multiple (0), A(O), e(O)),
      gr (wro), ari), ero))
      84 (ml13,410) 46
      8+ ( w[2] , A[1] ,B[1]);
    half Adder
            c ( >c [T] sigitism, [i] w do] rAH
           H & 2 (W12)3 (, Multiple 72), Multiple (3));
  multiplexer mux ( Multiple, Add, word, wotselly);
```

Slutembrie