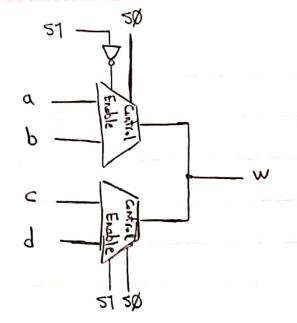


<.



Ь. 51 W 곧

to1 = 7.39 = 46

A not to 7 + MUX to 7

MUX to Z a-

51 굳 W MUX to Z SI-

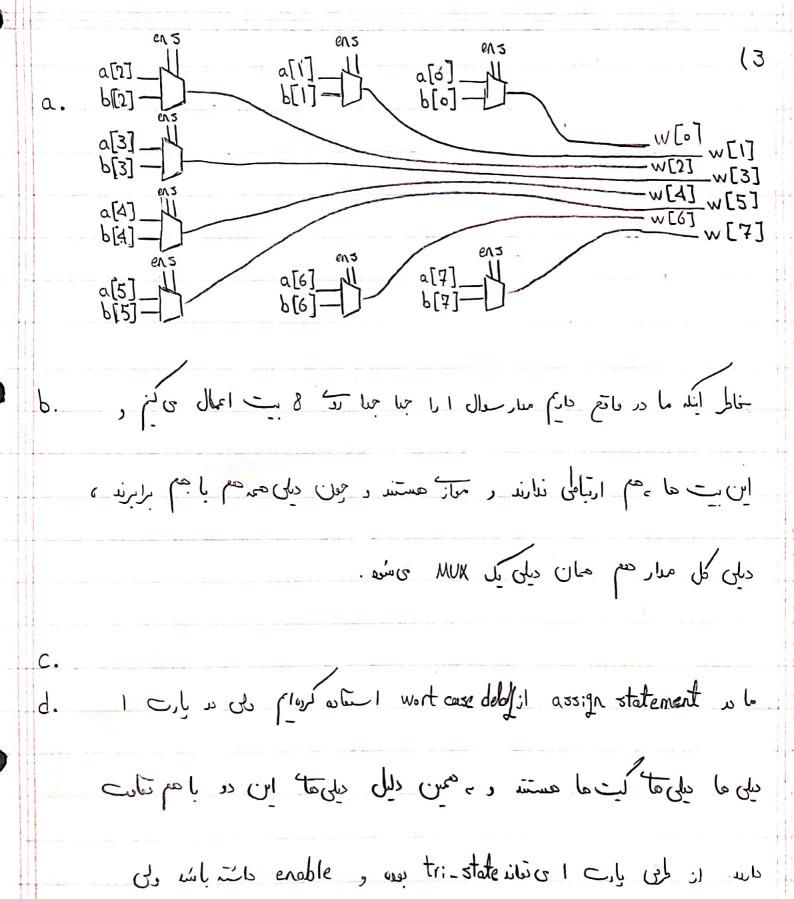
to 0 = 7,43 = 50

+ nut to 1 + MUX to Ø

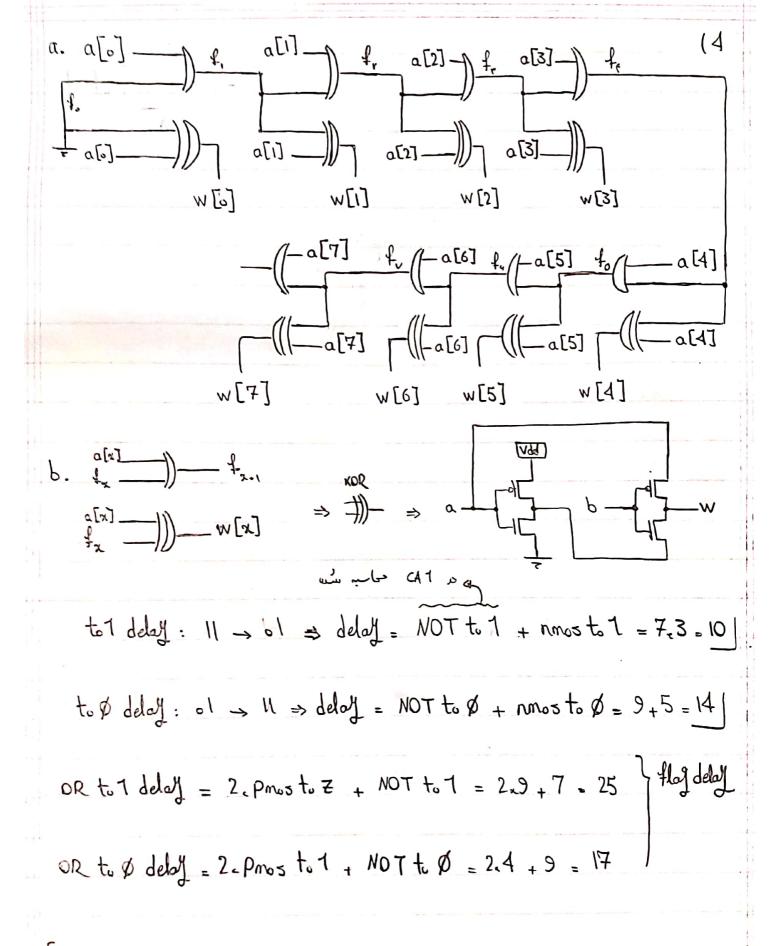
c.

ریان خالب در می ما از المن ما از المن ما انتقاده می استفاده می می استفاده می استفاده می استفاده می استفاده می 9.

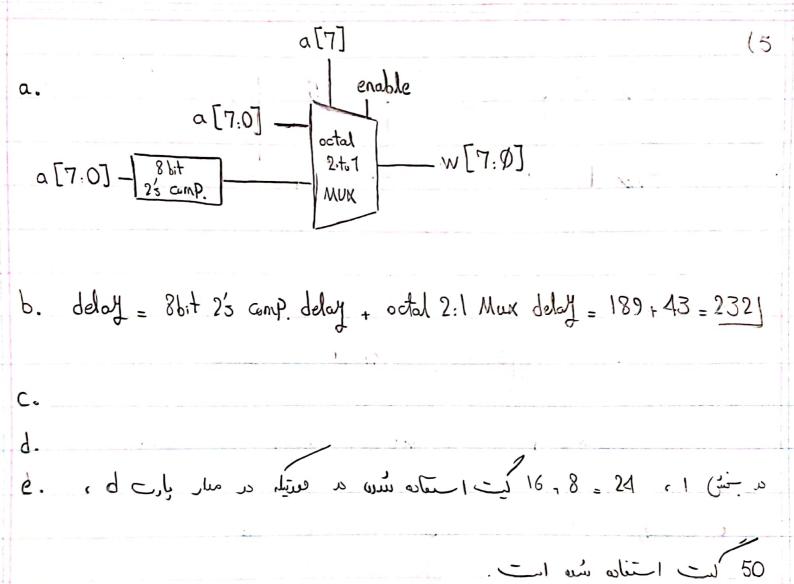
ترزيسترها دماس ي سُعد راين باعث تفادت مد اعداد مى سُعه .



مالي ري محي كار



d. له ريا ما ما سانت ا worst case delay زا assign statements ما الله عنان عنانه عنانه ما ما الله عنانه عنان



```
module absas(a, w);
 wire _000_;
 wire _001_;
 wire 002;
 wire 003;
 wire _004_;
 wire _005_;
 wire _006_;
 wire _007_;
 wire _008_;
 wire _009_;
 wire 010;
 wire _011_;
 wire _012_;
 wire 013;
 wire _014_;
 wire _015_;
 wire _016_;
 wire _017_;
 wire _018_;
 wire _019_;
 wire _020_;
 wire 021;
 wire 022 ;
 wire _023_;
 wire _024 ;
 wire 025;
 wire _026_;
 wire _027_;
 wire _028_;
 wire 029;
 wire _030_;
 wire _031_;
 wire 032;
 wire _033_;
 wire _034_;
 wire 035 ;
 wire _036_;
 wire _037_;
 wire 038;
 wire _039_;
 wire 040 ;
 wire 041;
 wire _042_;
```

```
wire _043_;
wire _044_;
wire _045_;
wire _046_;
wire _047_;
wire _048_;
wire _049_;
wire _050_;
wire _051_;
wire 052;
wire _053_;
wire _054_;
wire _055_;
wire 056;
wire 057;
wire _058_;
wire _059_;
wire 060;
wire _061_;
wire _062_;
wire _063_;
wire _064_;
wire _065_;
wire _066_;
wire _067_;
wire _068_;
wire _069_;
wire _070_;
wire _071_;
wire _072_;
wire 073;
wire _074_;
(* src = "ABSassign.v:2" *)
input [7:0] a;
(* src = "ABSassign.v:2" *)
output [7:0] w;
NAND _075_ (
  .A(_069_),
 .B(_026_),
  .Y(_022_)
```

```
NOR _076_ (
  .A(_069_),
  .B(_026_),
  .Y(_023_)
);
NOR _077_ (
  .A(_023_),
  .B(_017_),
  .Y(_025_)
);
NAND _078_ (
  .A( 025 ),
  .B(_022_),
  .Y( 027 )
);
NAND _079_ (
  .A(_069_),
  .B(_017_),
  .Y(_029_)
);
NAND _080_ (
  .A(_029_),
  .B(_027_),
  .Y( 074 )
);
NOR _081_ (
  .A(_025_),
  .B(_018_),
  .Y(_031_)
);
NOT 082 (
  .A(_018_),
  .Y(_032_)
);
NOT _083_ (
  .A(_025_),
  .Y( 034 )
);
NOR _084_ (
  .A(_034_),
  .B(_032_),
  .Y(_035_)
);
```

```
NOR _085_ (
  .A(_035_),
  .B(_031_),
  .Y(_019_)
);
NOT _086_ (
  .A(_020_),
  .Y(_037_)
);
NOT _087_ (
  .A( 026 ),
  .Y(_038_)
);
NOT _088_ (
  .A(_069_),
  .Y(_040_)
);
NAND _089_ (
  .A(_040_),
  .B(_038_),
  .Y(_041_)
);
NOR _090_ (
  .A(_041_),
  .B(_018_),
  .Y(_043_)
);
NOR _091_ (
  .A(_043_),
  .B(_017_),
  .Y( 044 )
);
NOT _092_ (
  .A(_044_),
  .Y(_045_)
);
NOR _093_ (
  .A(_045_),
  .B(_037_),
  .Y(_046_)
);
NOR _094_ (
  .A(_044_),
  .B(_020_),
  .Y(_047_)
);
NOR _095_ (
  .A(_047_),
  .B(_046_),
  .Y(_021_)
);
```

```
NOT _096_ (
  .A(_024_),
  .Y(_048_)
);
NAND 097 (
  .A(_023_),
  .B(_032_),
  .Y(_049_)
);
NOR _098_ (
  .A( 049 ),
  .B(_020_),
  .Y(_050_)
);
NOR _099_ (
  .A(_050_),
  .B(_017_),
  .Y(_051_)
);
NOT _100_ (
  .A(_051_),
  .Y(_052_)
);
NOR 101 (
  .A(_052_),
  .B(_048_),
  .Y(_053_)
);
NOR _102_ (
  .A(_051_),
  .B(_024_),
  .Y(_054_)
);
NOR _103_ (
  .A( 054 ),
  .B(_053_),
  .Y(_028_)
);
NOT _104_ (
  .A(_030_),
  .Y(_055_)
);
NOT _105_ (
  .A(_017_),
  .Y(_056_)
);
NAND 106 (
  .A(_050_),
  .B(_048_),
  ·Y(_057_)
);
```

```
NAND _107_ (
  .A(_057_),
  .B(_056_),
  .Y(_058_)
);
NOR _108_ (
  .A(_058_),
  .B(_055_),
  .Y(_060_)
);
NOT _109_ (
  .A(_058_),
  .Y(_061_)
);
NOR _110_ (
  .A(_061_),
  .B(_030_),
  .Y(_062_)
);
NOR _111_ (
  .A(_062_),
  .B(_060_),
  .Y(_033_)
);
NOT _112_ (
  .A(_036_),
  .Y(_063_)
);
NAND _113_ (
  .A(_043_),
  .B(_037_),
  .Y(_064_)
);
NOR _114_ (
  .A(_064_),
  .B(_024_),
  .Y(_065_)
);
NAND 115 (
  .A(_065_),
  .B(_055_),
  .Y(_066_)
);
NAND _116_ (
  .A(_066_),
  .B(_056_),
  .Y(_067_)
);
NOR _117_ (
  .A(_067_),
  .B(_063_),
  .Y(_068_)
);
```

```
NOR _118_ (
    .A(_057_),
    .B(_030_),
    .Y(_070_)
  );
  NOR _119_ (
    .A( 070 ),
    .B(_017_),
    .Y(_071_)
  );
  NOR _120_ (
    .A(_071_),
    .B(_036_),
    .Y(_072_)
  );
  NOR 121 (
    .A(_072_),
    .B(_068_),
    .Y( 039 )
  );
  NOR _122_ (
    .A(_036_),
    .B(_017_),
    .Y( 073 )
  );
  NAND _123_ (
    .A(_073_),
    .B(_070_),
    .Y(_042_)
  );
  BUF _124_ (
    .A( 026 ),
    .Y(_059_)
  );
  assign _017_ = a[7];
  assign _026_ = a[0];
  assign w[0] = _059_;
  assign _069_ = a[1];
  assign w[1] = 074;
  assign _018_ = a[2];
  assign w[2] = _019_;
  assign _020_ = a[3];
  assign w[3] = _021_;
  assign 024 = a[4];
  assign w[4] = _028_;
  assign _030_ = a[5];
  assign w[5] = _033_;
  assign _036_ = a[6];
  assign w[6] = _039_;
  assign w[7] = _042_{;}
endmodule
```