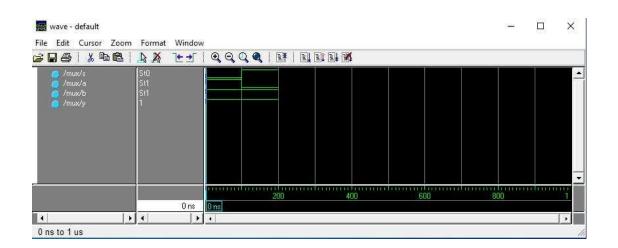
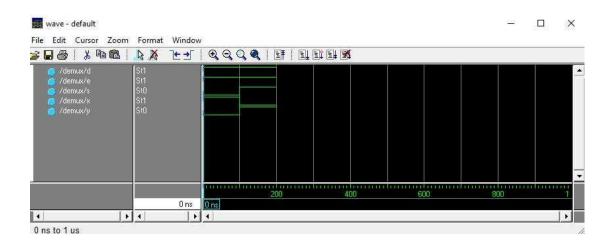
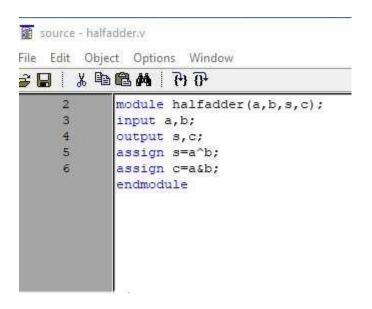
```
source - 2to1mux.v
```

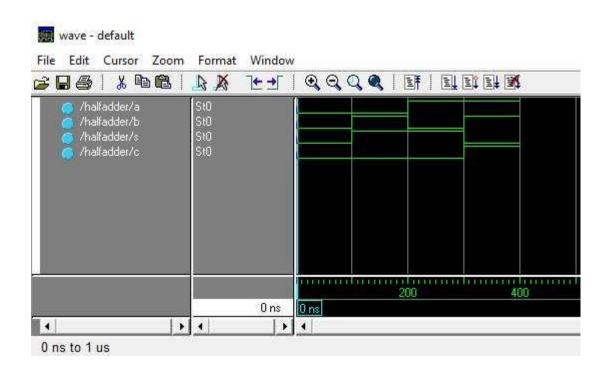
File Edit Object Options Window

```
· (5) (4) (4) (4) (4) (4)
             module mux(s,a,b,y);
      3
             input s,a,b;
      4
             output y;
      5
             reg y;
             always @ (s or a or b)
      7
             begin
             if (s==0)
             begin
      9
             y=a;
     11
             end
     12
             else
     13
             begin
             y=b;
     15
             end
             end
     16
     17
             endmodule
```



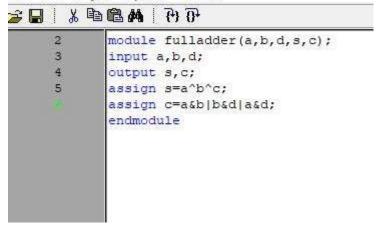






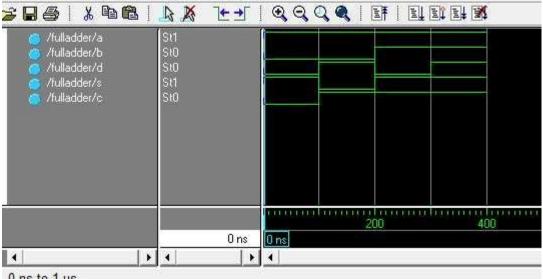


File Edit Object Options Window

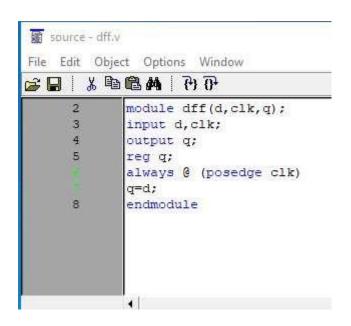


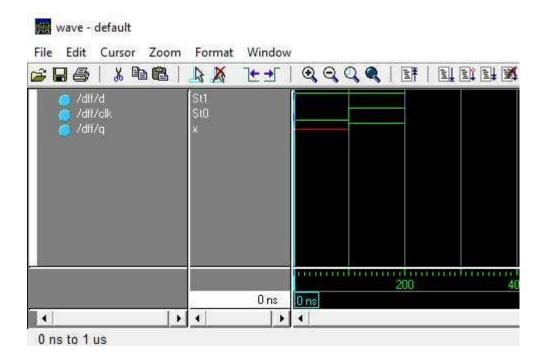


File Edit Cursor Zoom Format Window



0 ns to 1 us

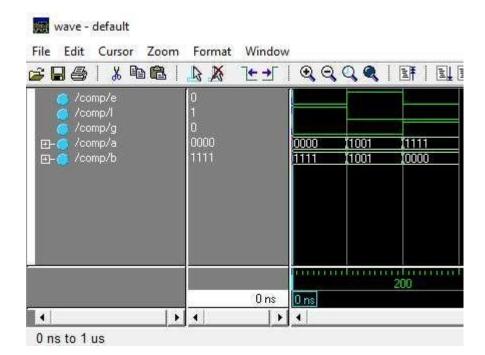


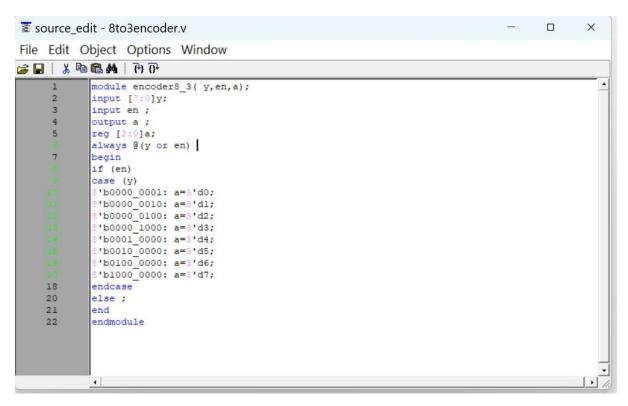


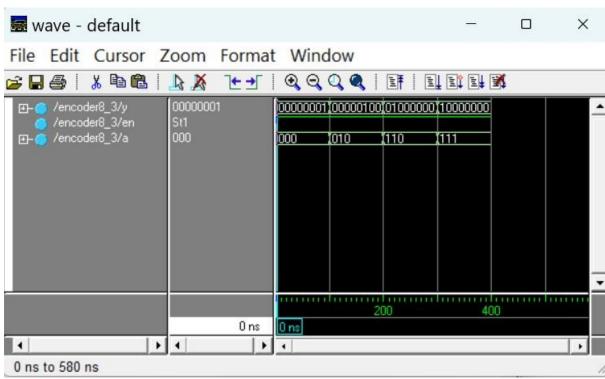
source - comp.v

File Edit Object Options Window

```
(t) (f)
     2
            module comp(a,b,e,l,g);
     3
            output e,1,g;
     4
            reg e,1,g;
     5
            input[3:0]a,b;
     6
            wire [3:0]a,b;
            always @(a or b)begin
            if(a<b)begin
            e=0;
            1=1;
            g=0;
            end else if (a==b)begin
            e=1;
            1=0;
            q=0;
    16
            end else begin
            g=1;
            e=0;
            1=0;
            end
    20
            end
    21
            endmodule
```







File Edit Object Options Window

```
module decoder2_4(en,a,b,y);
              input en,a,b;
              output y;
              reg [3:0]y;
      4
              always @(en or a or b)
              begin
                      if(en==0)
                        begin
                           if(a==1'b0 & b==1'b0) y=4'b1110;
else if(a==1'b0 & b==1'b1) y=4'b1101;
else if(a==1'b1 & b==1'b0) y=4'b1011;
      9
     10
                           else if(a==1 & b==1) y=4'b0111;
     12
                           else y=4'bxxxx;
     13
                        end
     14
                       else
     16
                       y=4'b1111;
               endmodule
```

