DECODER

AIM:

To write the verilog program for 2:4 decoder circuit using the software.

SOFTWARE REQUIRED:

- > Amd vivoda 2023.2
- > Simulation tools

PROGRAM:

```
module decoder(a,d);
input [1:0]a;
output [3:0]d;
assign d[0]=(~a[1])&(~a[0]);
assign d[1]=(~a[1])&a[0];
assign d[2]=a[1]&(~a[0]);
assign d[3]=a[1]&a[0];
endmodule
```

OUTPUT:

