$\underline{C:/Users/dipjy/Desktop/document/modelsim/SumOfProduct.v}$

```
module sumofpod(y,x1,x2);
  input [31:0] x1,x2;
  output [31:0] y;
  reg [31:0] m1=21,m2=39;
  reg [31:0] temp;
  always @ (x1,x2) begin

  temp= (( (x1<<2) -x1)+( (x2<<2) +x2));
  temp=((temp<<3)-temp)+(x2<<2);
  end
  assign y=temp;
endmodule</pre>
```