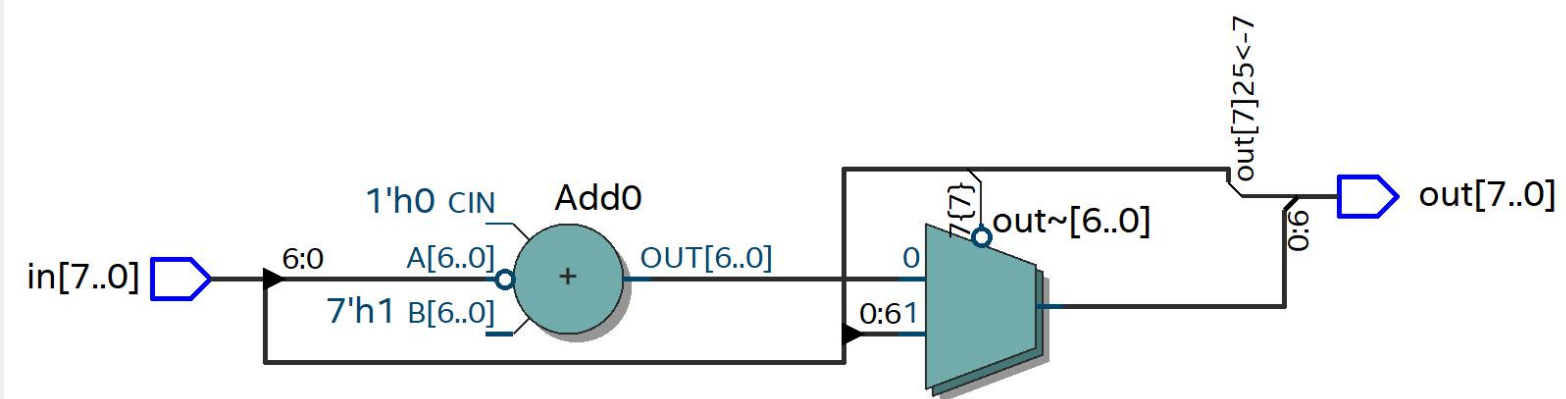


EDA-3-10

代码文件:

```
module buma (in,out);  
    input [7:0] in;  
    output[7:0] out;  
    reg[7:0] out;  
    reg[6:0] a;//a, 符号位外的低 7 位  
    always@(in)  
        begin: bu  
            if (in[7]==0) out<=in;  
            else begin: bum  
                a=(~in[6:0]+1);  
                out[7]=in[7];  
                out[6:0]=a;//~in[6:0]+1;  
            end  
        end  
    end  
Endmodule
```

图表文件:



资源开销:

The screenshot displays the Quartus Prime IDE interface. The top window title bar shows "Compilation Report - buma". On the left, the "Table of Contents" pane lists various reports, with "Flow Summary" selected. The main area shows the "Flow Summary" report, which includes a search filter "<<Filter>>" at the top. Below the filter, a table lists key compilation metrics:

Metric	Value
Flow Status	Successful - Mon Nov 01 23:11:44 2021
Quartus Prime Version	20.1.1 Build 720 11/11/2020 SJ Lite Edition
Revision Name	buma
Top-level Entity Name	buma
Family	Cyclone IV E
Total logic elements	Top-level Entity Name 272 (< 1 %)
Total registers	0
Total pins	16 / 92 (17 %)
Total virtual pins	0
Total memory bits	0 / 276,480 (0 %)
Embedded Multiplier 9-bit elements	0 / 30 (0 %)
Total PLLs	0 / 2 (0 %)
Device	EP4CE6E22C6
Timing Models	Final

```
//@eachvec;  
// --> end  
//end  
Endmodule
```

仿真结果：

