

# BARREL SHIFTER

## BEHAVIORAL

```
module b_s(in,n,out,shift);  
input [0:7]in;  
input [0:3]n;  
output reg [7:0]out;  
input shift;  
always@(*)  
begin  
if(shift)  
out=in<<n;  
else  
out=in>>n;  
end  
endmodule
```