

In[15:0]

Op[1:0]

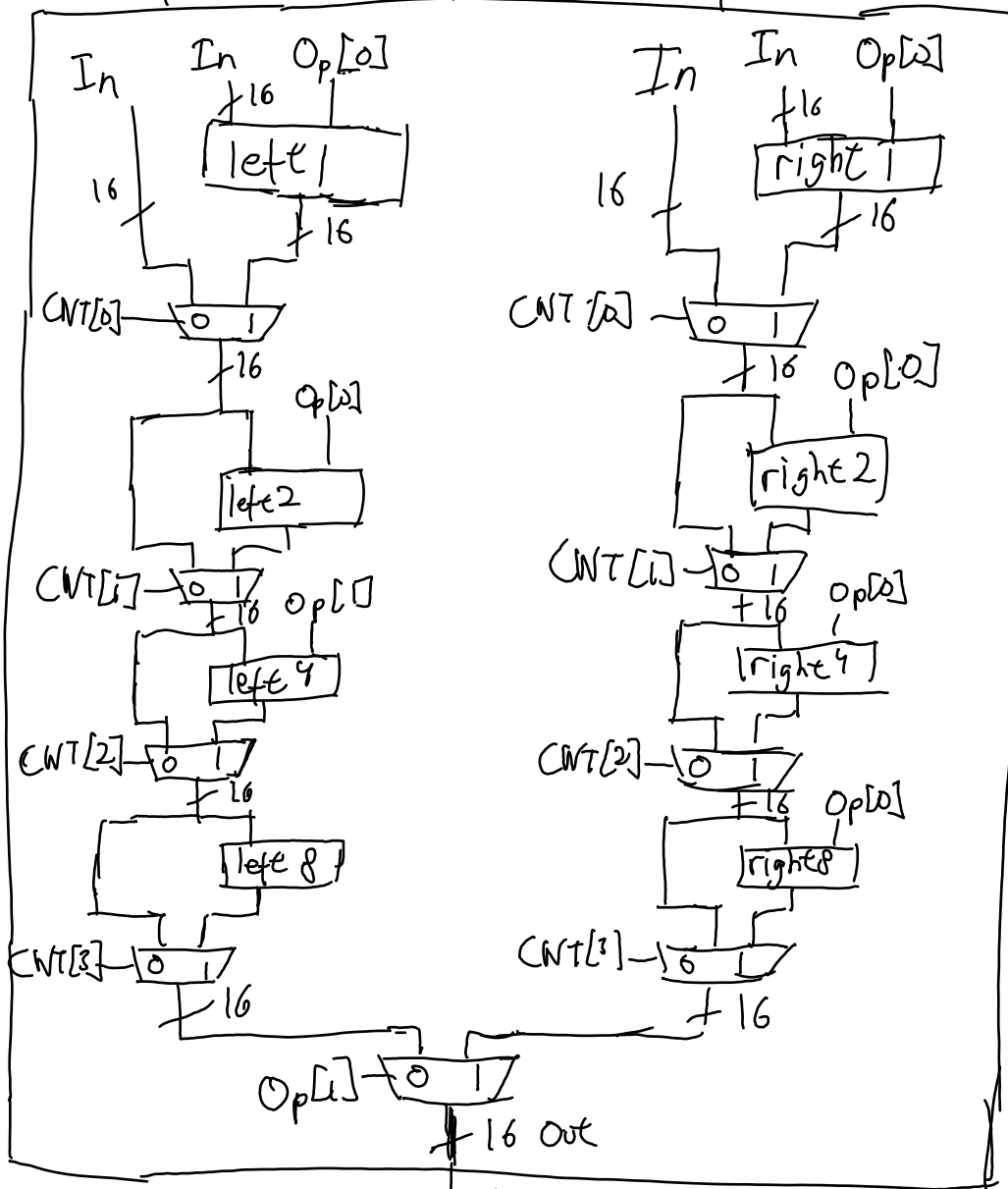
Cnt[3:0]

16

2

4

Barrel shifter

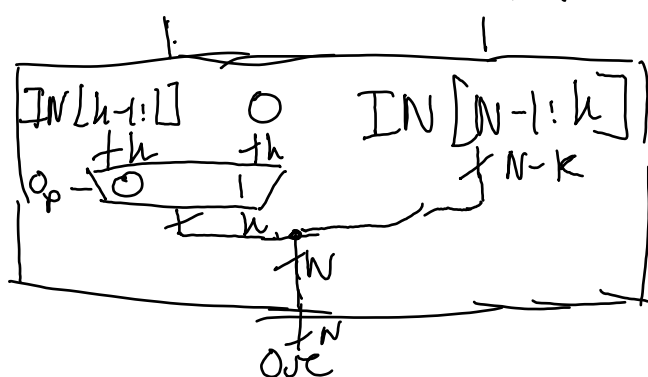


Out

left k (k is number of shift or rotate)

IN[N-1:0]

Op (0: rotate)



right k (k is number of shifts)

IN[N-1:0]

Op (1: logical)

