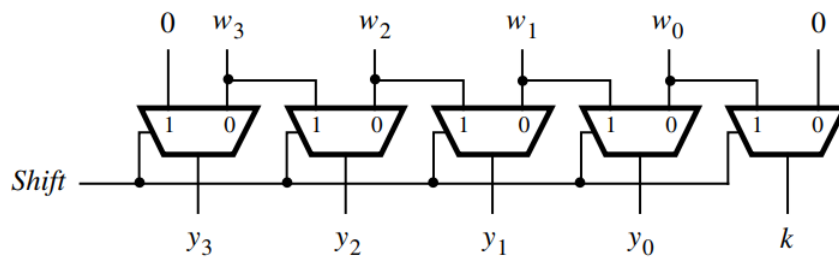


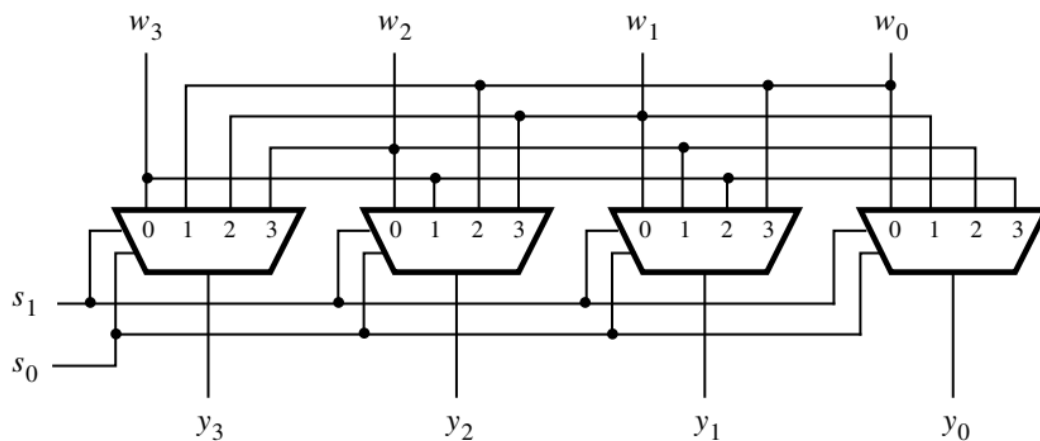
Assignment -3A

Design Shifter Circuit



Design a four-bit barrel shifter that rotates the bits by 0-, 1-, 2-, or 3-bit positions as determined by the valuation of two control signals s_1 and s_0

s_1	s_0	y_3	y_2	y_1	y_0
0	0	w_3	w_2	w_1	w_0
0	1	w_0	w_3	w_2	w_1
1	0	w_1	w_0	w_3	w_2
1	1	w_2	w_1	w_0	w_3



8-Bit shifter

