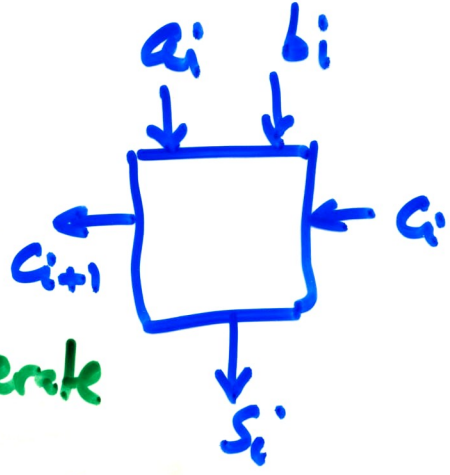


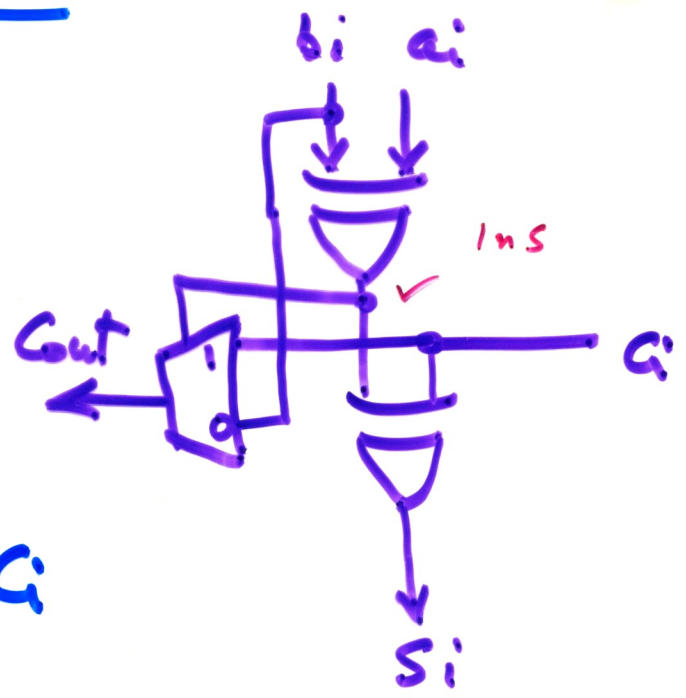
Inputs			Outputs	
a_i	b_i	c_i	s_i	c_{i+1}
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	0	1
1	0	0	1	0
1	0	1	0	1
1	1	0	0	1
1	1	1	1	1



generate
Propagated

$$p_i = a_i \oplus b_i$$

$$g_i = a_i b_i$$



$$c_{out(i+1)} = g_i + p_i \cdot c_i$$

$$c_{i+1} = a_i b_i + a_i c_i + b_i c_i$$

