

NOTE	0 = "00000000"				
Case	I0	I1	I2	S	Y
1	0	0	0	"00"	0
1	23373470	0	0	"00"	23373470
2	0	0	1	"01"	0
2	0	23373470	0	"01"	23373470
3	0	0	0	"10"	0
3	0	0	23373470	"10"	23373470

The propagation delay for this circuit, and it's 1 bit equivalent is 11 ns