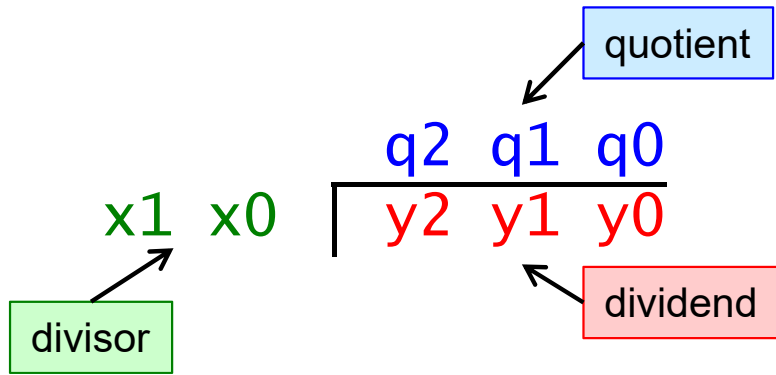
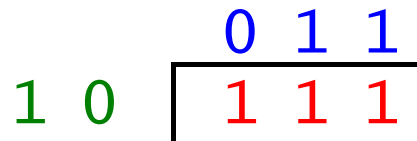


Also in PS 5: A 3x2 Divider



$e == \text{error}$
(division by 0)

example: $7 // 2 \rightarrow 3$



INPUTS					OUTPUTS			
y_2	y_1	y_0	x_1	x_0	q_2	q_1	q_0	e
anything			0	0	anything			1
0	0	0	0	1	0	0	0	0
0	0	1	0	1	0	0	1	0
0	1	0	0	1	0	1	0	0
0	1	1	0	1	0	1	1	0
1	0	0	0	1	1	0	0	0
1	0	1	0	1	1	0	1	0
1	1	0	0	1	1	1	0	0
1	1	1	0	1	1	1	1	0
0	0	0	1	0	0	0	0	0
0	0	1	1	0	0	0	0	0
0	1	0	1	0	0	0	1	0
0	1	1	1	0	0	0	1	0
1	0	0	1	0	0	1	0	0
1	0	1	1	0	0	1	0	0
1	1	0	1	0	0	1	1	0
1	1	1	1	0	0	1	1	0
0	0	0	1	1	0	0	0	0
0	0	1	1	1	0	0	0	0
0	1	0	1	1	0	0	0	0
0	1	1	1	1	0	0	1	0
1	0	0	1	1	0	0	1	0
1	0	1	1	1	0	0	1	0
1	1	0	1	1	0	1	0	0
1	1	1	1	1	0	1	0	0