

Step	Action	S	A	Q
0	Initialize registers	0	1100	0010 = dividend 0 D: '0000'
1			1010	= divisor M
	Subtract M from A	0	0010	0010
	Reset Q[0] := 1	0	0010	0011
	Left shift S.A.Q	0	0100	0110
2			1010	
	Subtract M from A	1	1010	0110
	Set Q[0] := 0	1	1010	0110
	Left shift S.A.Q	1	0100	1100
3			1010	
	Add M to A	1	1110	1100
	Set Q[0] := 1	1	1110	1101
	Left shift S.A.Q	1	1101	1101 (1/2 xx)
4			1010	
	Add M to A	0	0111	1101 (Xx)
	Reset Q[0] := 0	0	0111	1001 = quotient Q
			0111	= remainder R