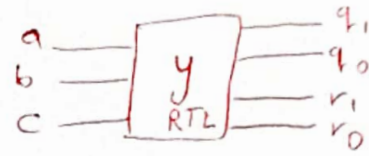


a	b	c	r ₁	r ₀	q ₁	q ₀
0	0	0	0	0	0	0
0	0	1	0	1	0	0
0	1	0	1	0	0	0
0	1	1	0	0	0	1
1	0	0	0	1	0	1
1	0	1	1	0	0	1
1	1	0	0	0	1	0
1	1	1	0	1	1	0

q₁, q₀ خارج قسمت تقسیم بر 3

r₁, r₀ باقی مانده تقسیم بر 3

abc سه بیت ورودی



(Block Diagram)

$$r_1 = \bar{a}b\bar{c} + a\bar{b}c \quad +5$$

$$q_1 = ab \quad +5$$

$$r_0 = \bar{a}\bar{b}c + a\bar{b}\bar{c} + abc \quad +5$$

$$q_0 = a\bar{b} + bc \quad +5$$

$$r_0 = \bar{b}(\bar{a}c + a\bar{c}) + a(\bar{b}\bar{c} + bc)$$

$$r_0 = \bar{b}(a \oplus c) + a(b \odot c)$$

