

Div-255 Circuit

$$y = \frac{x}{255}$$

$$x = 255y + r$$

$$y = 256y - x + r$$

$$y = 256y + \tilde{x} + r$$

$$\begin{array}{r}
 y_3 \ y_2 \ y_1 \ y_0 \ 0 \\
 0 \ x_3 \ x_2 \ x_1 \ x_0 \\
 + \quad \quad \quad r \\
 \hline
 y_3 \ y_2 \ y_1 \ y_0
 \end{array}$$

