$$H(\delta) = \frac{\delta \frac{1}{CR}}{\delta^2 + \delta \frac{1}{CR} + \frac{1}{LC}} \; K.$$

$$\frac{W_0}{Q} = \frac{1}{CR} \qquad W_0^2 = \frac{1}{LC} \rightarrow w_0 = \frac{1}{\sqrt{LC}}.$$

$$Q = \frac{CR}{\sqrt{LC}} = \sqrt{\frac{C}{L}} \, R.$$

$$L = \frac{R_1 R_3 R_5}{R_4} \qquad c' = c' R_3 R_5 = c' R^2$$

$$\therefore$$

$$W_0 = \frac{1}{\sqrt{R^2 C' C}} \qquad Q = \sqrt{\frac{C}{C'R^2}} \, R. = \sqrt{\frac{C}{C'}}$$

$$\cancel{C = \frac{R^2 c'}{W_0^2} = Q^2 \cdot c'}$$

$$\cancel{Q = \frac{R}{w_0}}$$

$$C = \frac{1}{w_0^2 R^2 c'} = Q^2 c'$$

$$\therefore \quad Q^2 = \frac{1}{w_0^2 R^2 . c'^2} \Rightarrow \boxed{c' = \frac{1}{w_0 R Q.}}$$

$$C = Q^2 \cdot \frac{1}{w_0 R Q} = \boxed{\frac{Q}{w_0 R.} = C}$$