$$\frac{Q_1}{Q_1'} = -\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{Q_1(\omega) = 1}{2}$$

$$\frac{Q_1'}{Q_1'} = -\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{Q_1(\omega) = 0}{2}$$