









$$V_{in} = \frac{v_{o}}{v_{in}} = \frac{Q}{Q + A}$$

$$Q = \frac{1}{8jw} \times (1 + c_{jw}) = \frac{1 + c_{jw}}{1 + 8jw} + \frac{1 + c_{jw}}{1 + 8jw} = \frac{1 + c_{jw}}{1 + 8jw$$



