

































$$\frac{2}{2}e^{-\frac{\pi}{2}i\omega C}$$

$$\frac{1}{2}e^{-\frac{\pi}{2}i\omega C}$$

$$\frac{1}{2}e$$

AC:

$$R_{3}$$
 $\frac{1}{2} = \frac{R_{2}\hat{I}_{2}}{R_{2}+\hat{I}_{2}} = \frac{R_{2}}{\frac{1+j\omega R_{3}C}{j\omega C}} = \frac{R_{2}}{1+j\omega R_{3}C}$

$$\frac{u_{4}}{R_{4}} + \frac{u_{4}-u_{6}}{\hat{I}_{2}} = 0$$

$$u_{6} = u_{4}\left(1+\frac{\hat{I}_{2}}{R_{4}}\right) = u_{5}\left(\frac{R_{4}+\hat{I}_{2}}{R_{4}}\right) = u_{5}\left(\frac{R_{4}+R_{2}+j\omega R_{4}R_{2}C}{R_{4}(4+j\omega R_{3}C)}\right)$$



