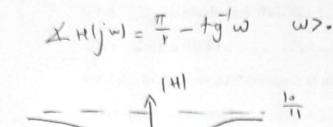
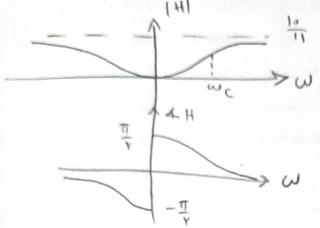
$$H(j^{i\omega}) = \frac{V_A}{I_5} = j^{i\omega} \frac{\frac{1}{1+j^{i\omega}}}{\frac{1}{1+j^{i\omega}} + \frac{1}{1+o}} = \frac{j^{i\omega}}{1+j^{i\omega} + \frac{1}$$





سراد دردار)

$$|H(j)^{\omega_{c}}\rangle = \frac{1}{\sqrt{r}} |H(j^{\omega_{l}})\rangle$$

$$\frac{1}{\sqrt{1+\omega^{r}}} = \frac{1}{\sqrt{r}} \frac{1}{\sqrt{1+\omega^{r}}} \rightarrow r\omega^{r} = 1$$

$$\omega_{c} = 1 \text{ rad/s}$$