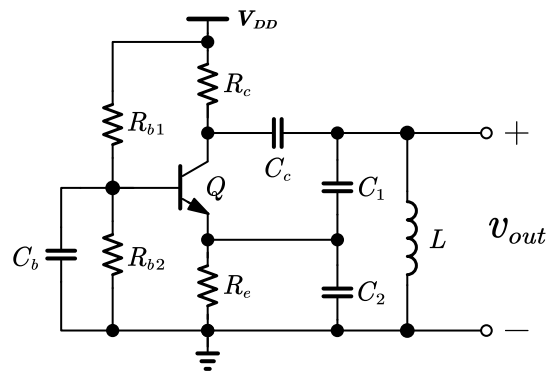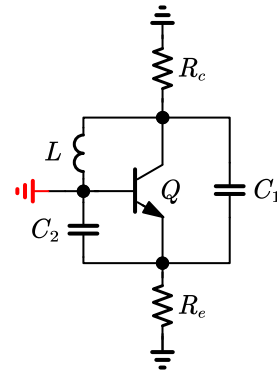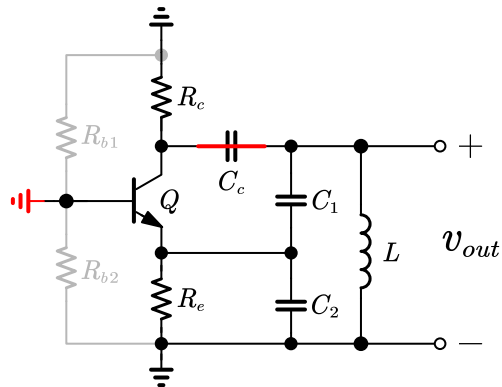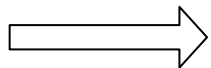# 考毕兹振荡器

Colpitts Oscillator (CB)

Small Signal Equivalent

$$\omega_{\text{osc}} \approx \omega_0 = \frac{1}{\sqrt{L(C_1 \parallel C_2)}}$$

回路总电容 $C_{\Sigma} = C_1 \parallel C_2$ 即为电感两端等效电容

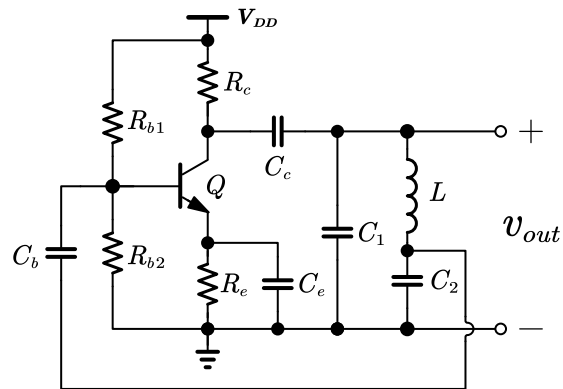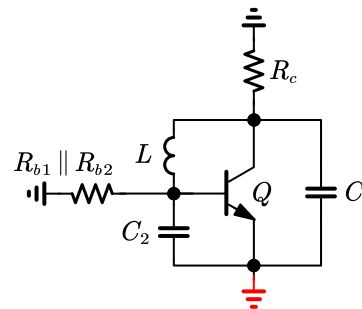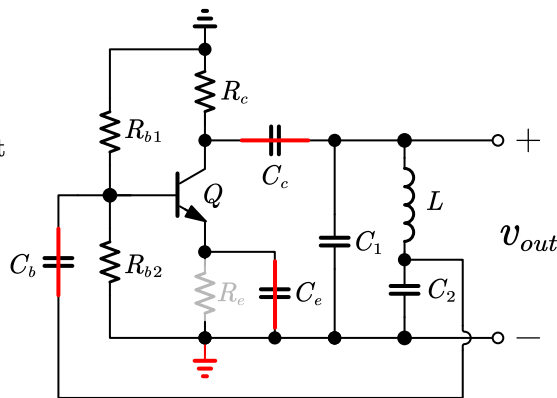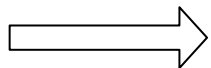## Colpitts Oscillator (CE)

Small Signal Equivalent

$$\omega_{\text{osc}} \approx \omega_0 = \frac{1}{\sqrt{L(C_1 \parallel C_2)}}$$