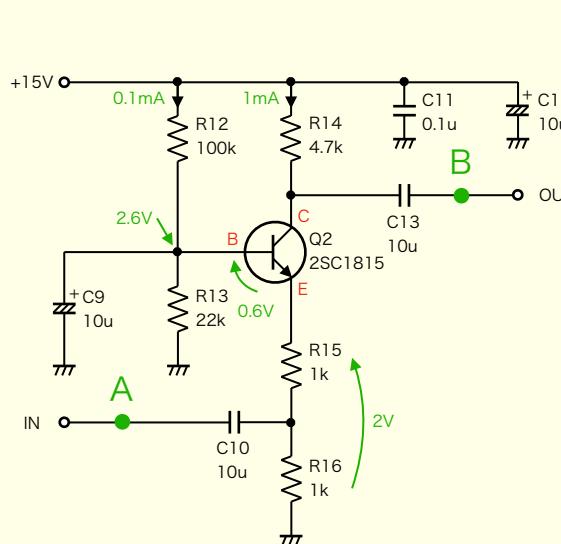
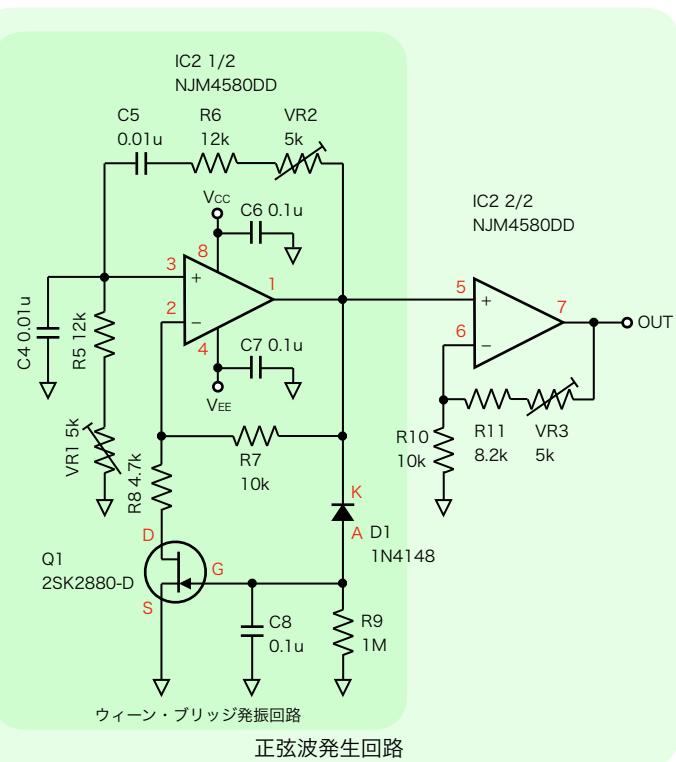
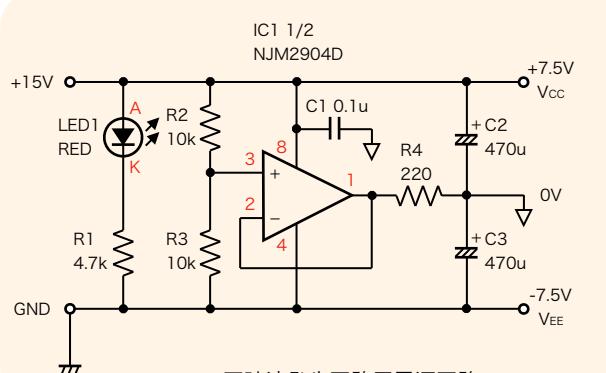


ベース接地增幅回路



$R_{15}+R_{16}$ の電圧降下を2Vとすると
 $R_{15}+R_{16} = (R_{15}+R_{16}) \cdot I_C / I_C = 2V / 1mA = 2k\Omega$
 $R_{15}を1k\OmegaとするとR_{16}は1k\Omega$
 $R_{14} = R_{15} \cdot Av = 1k\Omega \times 5 = 5k\Omega \cdots 4.7k\Omega$

$R_{12}とR_{13}に流す電流 I = 0.1mA$
 $V_B = 2V + V_{BE} = 2.6V$
 $R_{12} = (V_{CC} - V_B) / I = (15 - 2.6) / 0.0001 = 124,000 \approx 100k\Omega$
 $R_{13} = V_B / I = 2.6 / 0.0001 = 26,000 \approx 22k\Omega$

(C10のカットオフ周波数 f_C)
 $R_{15}/R_{16} = 1k / 1k = 500\Omega$
 $f_C = 1 / (2\pi \cdot C_{10} \cdot (R_{10} // R_{11}))$
 $= 1 / (2\pi \times 10 \times 10^{-6} \times 500) = 32Hz$

ベース接地增幅回路