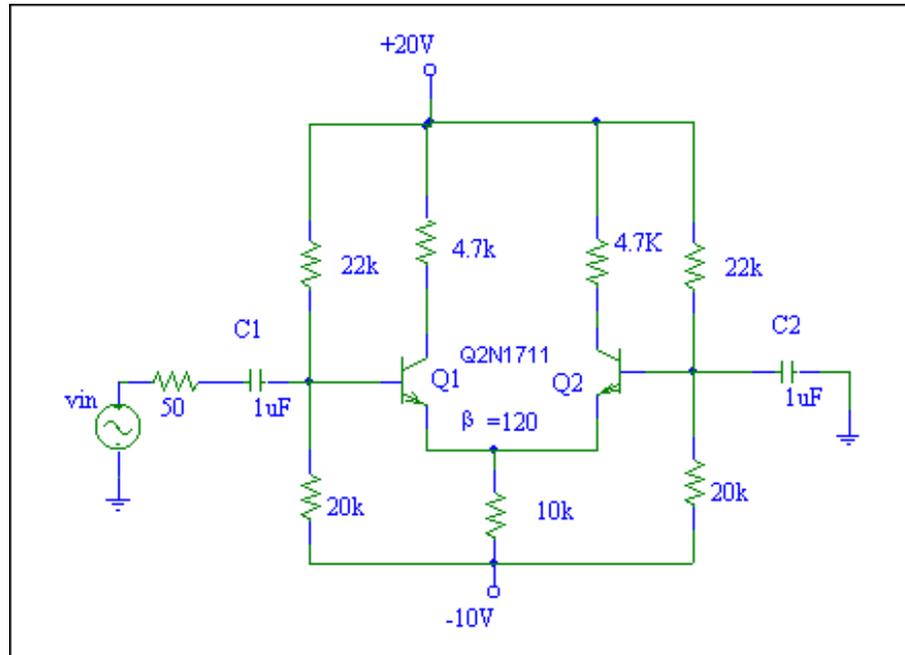


EE342 LAB 2 DIFFERENTIAL AMP

Consider the Differential Amplifier:



One bias resistor may have to be trimmed to balance the amplifier as the transistors are not exactly matched pairs.

Find the following parameters both theoretically and experimentally:

1. V_{C2} and v_o/v_{in} (check frequency response).
2. V_{C2} and v_o/v_{in} , if R_C is changed to $6.8k\Omega$.
3. V_{C2} and v_o/v_{in} , if $C2$ is removed (use $R_C = 4.7K$ and check frequency response).
4. V_{C2} and v_o/v_{in} , if a $1k\Omega$ load is coupled to v_o by a capacitor (use ckt 1).