

- 10-7.** For Fig. P10-7, plot the dc transfer characteristics. The input voltage is varied from -10 V to 10 V in steps of 0.1 V . The op-amp can be modeled as a macromodel, as shown in Fig. 10-3. The description of the macromodel is listed in library file EVAL.LIB. Use the default values for the diode model.

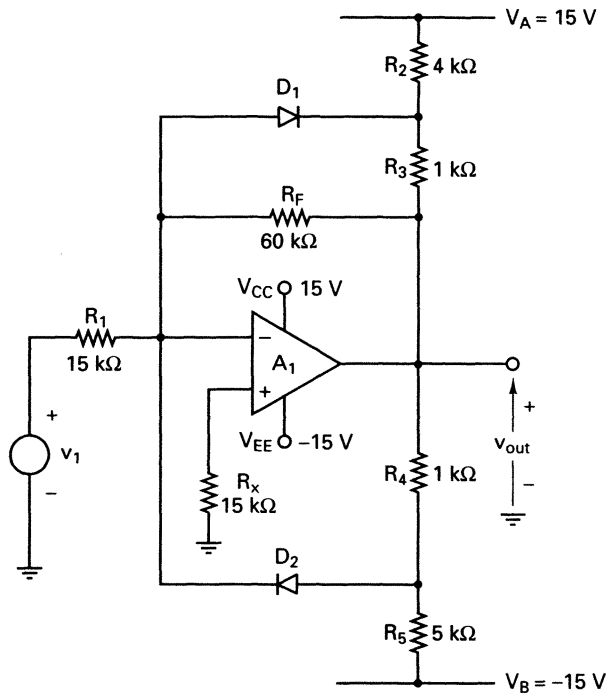


Figure P10-7

- 10-13.** Use PSpice to perform a Monte Carlo analysis for five runs and for the dc analysis of Example 10-7. The output voltage is taken between nodes 3 and 5. The model parameter is $R=1$ for resistors. The lot deviation for all resistances is $\pm 15\%$. The transistor parameter having uniform deviations is

$$BF = 50 \pm 20$$

- The greatest difference of the output voltage from the nominal run is to be printed.
- The maximum value of the output voltage is to be printed.
- The minimum value of the output voltage is to be printed.