Special Problem 3.4 - 9

The zener diode in the circuit below has a breakdown voltage of 20.0 V.

Use the zener CVD model to determine the voltage across and current through the zener diode (i.e., V_z and I_z).

![Circuit Diagram]

- **V_z** = 20.0 V
- **I_z** = 20.0 mA
- **R_1** = 2K
- **R_2** = 3K
- **V_R1** = 10.0 V
- **V_R2** = 5.0 V