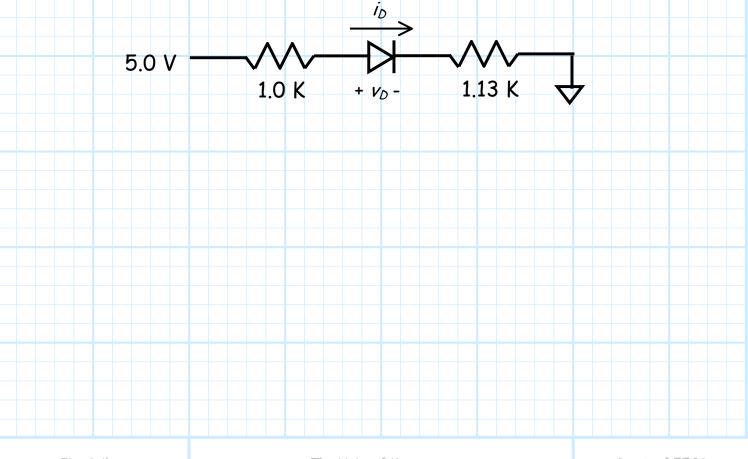
Special Problem 3.3 - 12

I have constructed a piece-wise linear (PWL) model to approximate a junction diode.

This PWL model uses a resistor of r_D = 0.05 K Ω .

Using this model (and only the model), I have determined that the voltage across a junction diode will be approximately 0.69 V when the current through the junction diode is 10.0 mA.

Use my PWL model to analyze the circuit below, determining the approximate voltage across the junction diode and the approximate current through it.



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