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 = 0.005 KΩ.

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.