Special Problem 3.3-19

Using a piecewise-linear junction diode model, I have determined that the voltage across a junction diode is approximately 0.62 V when 1.0 mA is flowing through the junction diode.

My PWL model uses a value of \( r_D = 0.01 \, \text{KΩ} \).

Use my PWL model to determine the approximate voltage across this same junction diode when 5.0 mA is flowing through it.