

### Special Problem 3.3-11

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

The PWL model uses DC voltage source of  $V_{D0} = 0.63$  Volts

Using this **model** (and **only** the model), I have determined that the current through the junction diode will be **approximately** 20.0 mA when there is 0.65 volts placed across it.

Use this **model** to determine **approximately** the voltage across the junction diode when there is 100.0 mA of current flowing through it.