A junction diode has been **replaced** in the circuit below with a **PWL model**.

The PWL model has $\mathbf{r}_d = \mathbf{10} \ \Omega$, and the PWL model provides a value $v_D = 0.64 \ V$ if (and only if) $i_D = 10 \ mA$.

İD

 \rightarrow

Determine the approximate junction diode values v_D and i_D in the circuit below.

Hint:
$$v_D \neq 0.64$$
, and $v_D \neq V_{D0}$, and $i_D \neq 10.0$ mA

