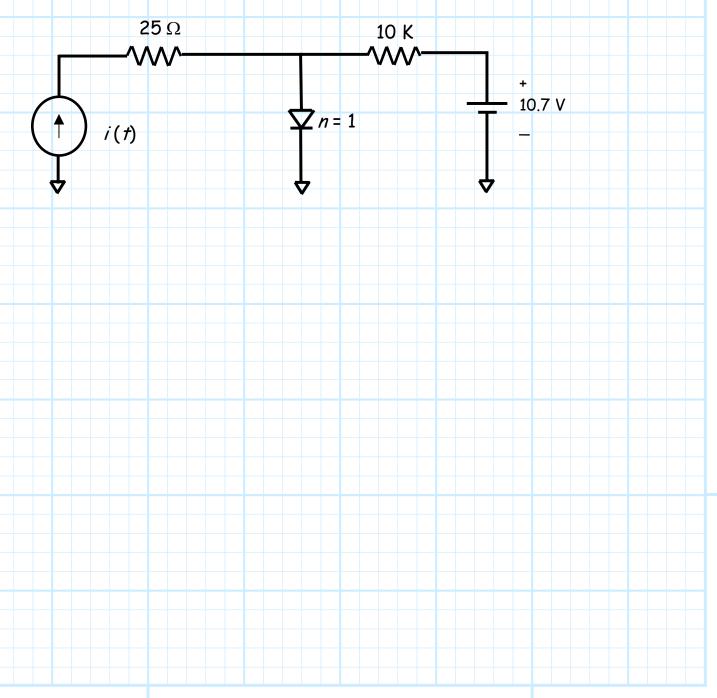
## Special Problem 3.3-6

The current source in the circuit below produces a small signal i(t).

The junction diode has an ideality factor of n = 1.

Determine the small-signal voltage across the diode, in terms of small-signal current source i(t).



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