Chapter 1

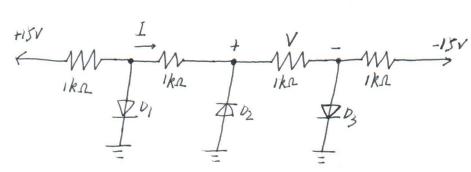
415.

(a)
$$L = \frac{10V}{2.7k\Omega} = 3.7mA$$

$$V = 0V$$

(b)
$$L=0A$$

 $V=10V$



SOLUTION

Step1: assuming that D, & Dz are on and B3 is off
Step2: with U, & Dz on and B3 off the equivalent circuit is shown below.

According to Kirchhoff's voltage law:

Steps:

.. The assumption above is right, and I=OA, V=7.5V