

Report: The value of the resistance R is $0.992 \text{ k}\Omega$. We attach graph and found the specific curve. The current I_D is increasing with the value R .

Discussion:

1. Draw the curve specifically, because I-V characteristic of an element is responds to voltage change.
2. The power source should give fix value to ensure accurate I-V curve.
3. Since diode depends on the polarity. The diode should adjust in circuit as the instruction.
4. Turn off power supply after measuring each time.