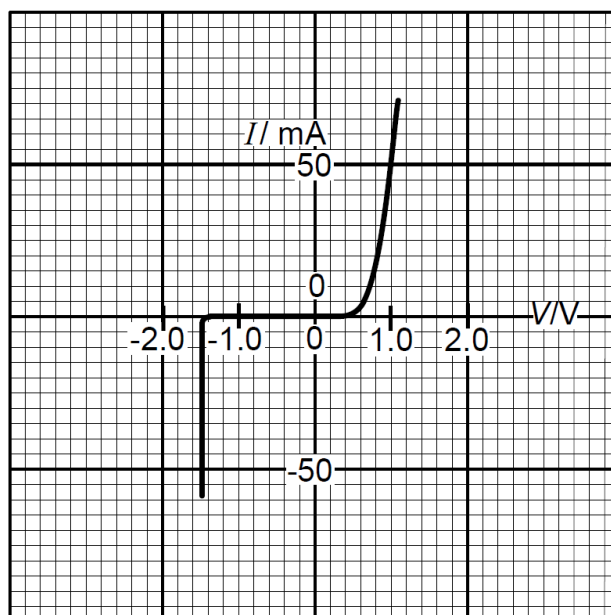


22 The variation with potential difference V of the current I in a semiconductor diode is shown below.



What is the resistance of the diode for applied potential differences of $+1.0\text{ V}$ and -1.0 V ?

| | $+1.0\text{ V}$ | -1.0 V |
|----------|-----------------|-----------------|
| A | $20\ \Omega$ | infinite |
| B | $20\ \Omega$ | zero |
| C | $0.05\ \Omega$ | infinite |
| D | $0.05\ \Omega$ | zero |

