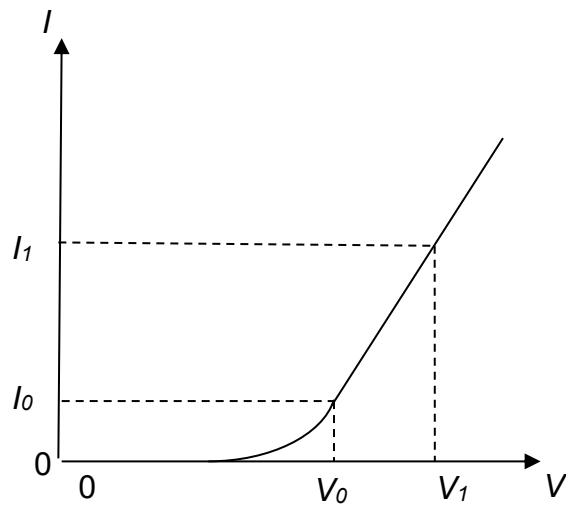**20**

The graph shows the current-voltage (I-V) characteristic of an electrical component.

What is the resistance of the component at potential difference V_1 and how does the resistance change, if at all, when the potential difference increases from V_0 to V_1?

	resistance at V_1 **resistance change from V_0 to V_1**
A	$\dfrac{V_1 - V_0}{I_1 - I_0}$ no change
B	$\dfrac{V_1 - V_0}{I_1 - I_0}$ decreases
C	$\dfrac{V_1}{I_1}$ no change

D

$$\frac{V_1}{I_1}$$
decreases