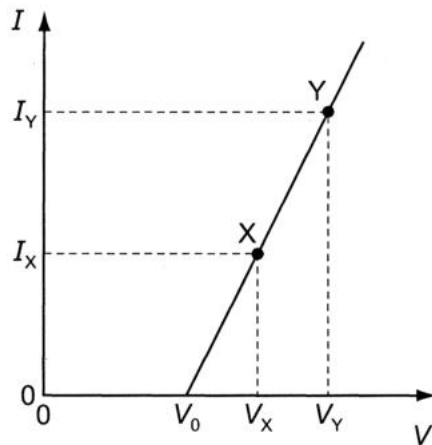


- 27 The graph shows the variation with potential difference  $V$  of the current  $I$  in an electrical component.



The resistance is measured for current  $I_Y$  and for current  $I_X$ .

What is the change in the resistance of the component?

- A zero      B  $\frac{V_Y - V_X}{I_Y - I_X}$       C  $\frac{V_X}{I_X} - \frac{V_Y}{I_Y}$       D  $\frac{V_Y - V_0}{I_Y} - \frac{V_X - V_0}{I_X}$

- 28 An array of resistors, each of resistance  $R$ , consists of  $N$  parallel branches. Each branch contains