

A

$$\frac{d^2 y}{dx^2} - y = x^2$$

$$= (D^2 - 1)y = x^2$$

$$P.I = \frac{1}{D^2 - 1} x^2$$

$$= -(1 - D^2)^{-1} x^2$$

$$= -(1 + D^2) x^2$$

$$P.I = -(x^2 + 2)$$