$$U_{tt} = v^2 U_{xx} \qquad \qquad U(t \to I \infty) t) = 0$$

$$U_{\pm}(x) = h(x)$$

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$$\frac{\partial}{\partial x} = \frac{\partial}{\partial z} \frac{\partial z}{\partial x} + \frac{\partial}{\partial q} \frac{\partial q}{\partial x} = \frac{\partial}{\partial z} + \frac{\partial}{\partial q}$$

$$\frac{\partial}{\partial t} = \frac{\partial}{\partial z} + \frac{\partial}{\partial z} + \frac{\partial}{\partial z} = \sqrt{\frac{\partial}{\partial z}} - \frac{\partial}{\partial z}$$

$$\partial_{Xx} = \left[ \frac{\partial}{\partial z} + \frac{\partial}{\partial q} \right] \left[ \frac{\partial z}{\partial z} + \frac{\partial}{\partial q} \right]$$

$$= \frac{\partial}{\partial z^2} + \frac{\partial}{\partial q} + \frac{\partial^2}{\partial z^2}$$

$$\frac{\partial t}{\partial z} = \frac{1}{2} \left[ \frac{\partial}{\partial z} - \frac{\partial}{\partial q} \right] \left[ \frac{\partial}{\partial z} - \frac{\partial}{\partial q} \right]$$

$$= 1^2 \left[ \frac{\delta^2}{\delta^2} + \frac{\delta^2}{\delta q^2} - \frac{\delta^2}{\delta q^2} \right]$$

Generalised Solution:

$$\overline{V}(z/z) = F(z) + C(z)$$

$$6 = 8 - h$$

$$\frac{1}{2} \sqrt{2v}$$

Integrating
$$F(x) - F(\infty) = f(x) - g(-\infty) + 1 \quad \text{In (i) ds}$$

$$G(x) - G(\infty) = f(x) - g(-\infty) - 1 \quad \text{In (i) ds}$$

$$G(x) - G(\infty) = f(x) - g(-\infty) - 1 \quad \text{In (i) ds}$$