$$i\hbar\,\partial_t\psi = -\frac{\hbar^2}{2m}\,\partial_x^2\psi + V\psi$$

$$\partial_t\psi = \frac{i\hbar}{2m}\,\partial_x^2\psi + \frac{V}{i\hbar}\psi$$

$$\int_s^y \left(\exp\left(\frac{i\hbar}{2m}\partial_x^2 + \frac{V}{i\hbar}\right)\right)_x^r$$

$${}_t^x\psi = \int_{dz}^{\mathbb{R}} {}_t^x \left(\exp\left(\frac{i\hbar}{2m}\partial_x^2 + \frac{V}{i\hbar}\right)\right)_z^0 {}_0^z\psi$$

$${}_s^y\psi = \int_{dz}^{\mathbb{R}} {}_s^y \left(\exp\left(\frac{i\hbar}{2m}\partial_x^2 + \frac{V}{i\hbar}\right)\right)_z^r {}_r^z\psi$$