

$$\frac{dy}{dx} - \frac{y}{2x} = \frac{1}{1(1-y)} \tag{1}$$

$$2\sqrt{-x}e^{\frac{-y}{\sqrt{-2x}}} + \frac{\sqrt{2\pi}}{2}erf\left(\frac{y}{\sqrt{-2x}}\right) + c = 0 \tag{2}$$

$$\int_L -\vec{r}dl = \int_L -xdx + \int_L -ydy \tag{3}$$

$$= \int_0^{2\pi} \frac{r^2 \sin(2t)}{4} dt \tag{4}$$

$$= \int_0^{2\pi} 0dt \tag{5}$$

$$= 0 \tag{6}$$

Package amsmath: Erroneous nesting of equation structures; (amsmath) trying to recover with ‘aligned’.