$$\int_{d\gamma}^{0|0} \exp \frac{i}{\hbar} \int_{dt}^{r|s} \left(\frac{m}{2} \dot{\gamma}^2 - \frac{1}{\gamma} \right) = \sqrt{\frac{m}{2\pi i \hbar \, (s-r)}}$$

$$r|s \xrightarrow[\text{cl path}]{\gamma} \mathbb{R}: \quad m \, \ddot{\gamma}^t = 0$$

$$\gamma^t = \frac{y-x}{s-r} t + \frac{sx - ry}{s-r}$$

$$\int_{dt}^{r|s} \frac{m}{2} \dot{\gamma}^2 - \frac{1}{\gamma} = \frac{m}{2} \frac{y-x}{s-r}^2$$