

$$\begin{aligned}\exp(t_1) \exp(t_2) &= x_1 x_2 = \exp(\ln(x_1 x_2)) \\ &= \exp(\ln x_1 + \ln x_2) = \exp(t_1 + t_2).\end{aligned}\tag{1}$$

$$1 + 1 = 2\tag{2}$$