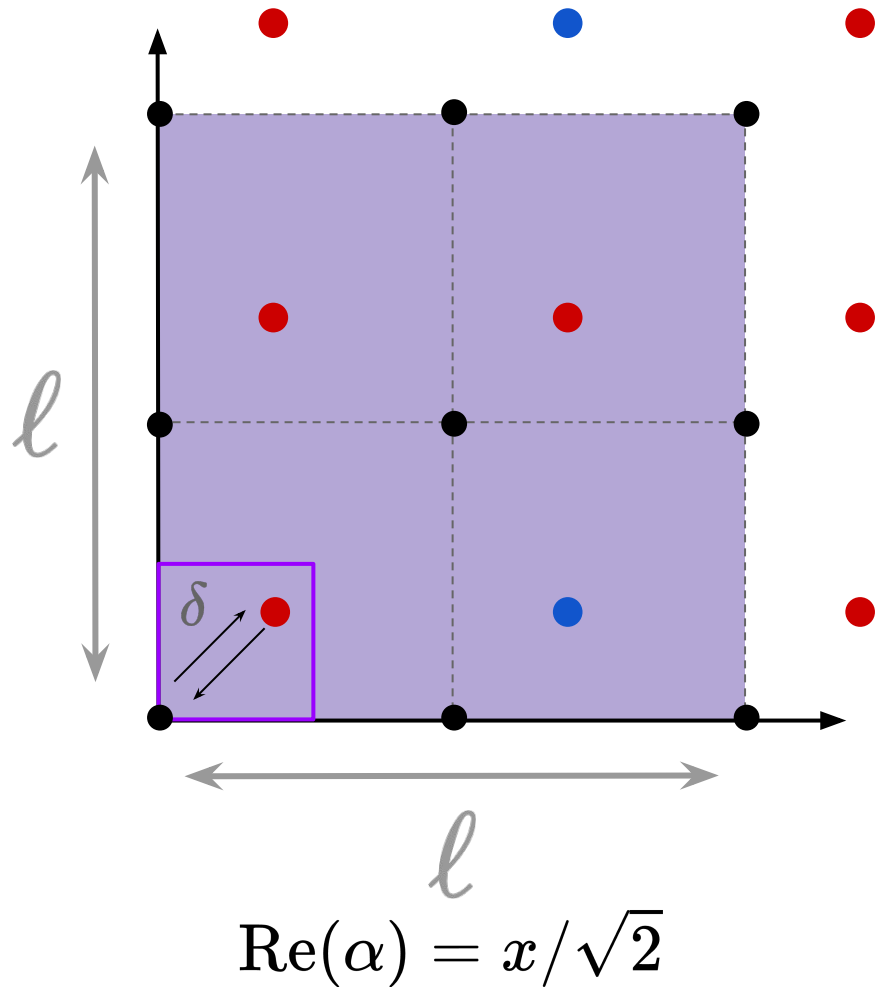
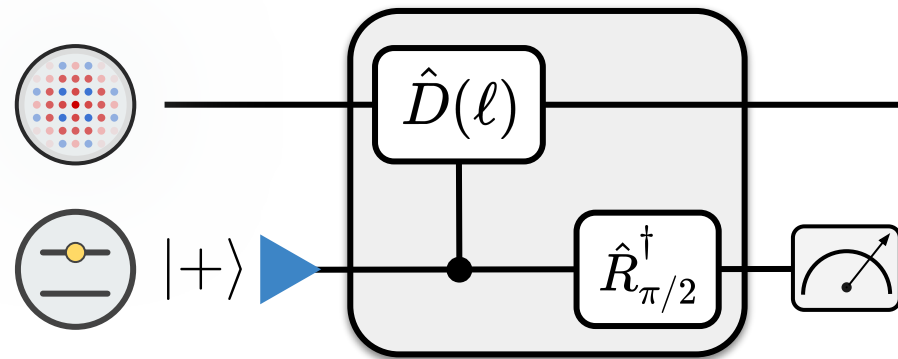


(a)

$$\text{Im}(\alpha) = p/\sqrt{2}$$

**(b)****(c)**