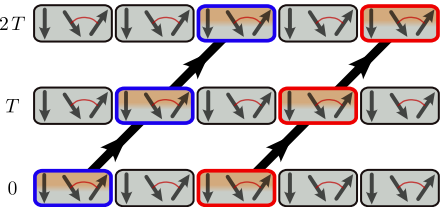


a

$$|R^+\rangle = \boxed{\begin{array}{c} \downarrow \nearrow \\ \downarrow \nearrow \end{array}} = \left(\begin{array}{c} \boxed{\begin{array}{c} \downarrow \nearrow \\ \downarrow \nearrow \end{array}} + \boxed{\begin{array}{c} \downarrow \nearrow \\ \downarrow \nearrow \end{array}} \end{array} \right) / \sqrt{2}$$

$$|R^-\rangle = \boxed{\begin{array}{c} \downarrow \nearrow \\ \downarrow \nearrow \end{array}} = \left(\begin{array}{c} \boxed{\begin{array}{c} \downarrow \nearrow \\ \downarrow \nearrow \end{array}} - \boxed{\begin{array}{c} \downarrow \nearrow \\ \downarrow \nearrow \end{array}} \end{array} \right) / \sqrt{2}$$

**b**