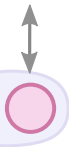


A



B

$$\begin{aligned} |a\rangle = & a_1|1\rangle + \\ & a_2|2\rangle + \\ & a_3|3\rangle \end{aligned}$$

$$\begin{aligned} |b\rangle = & b_1|1\rangle + \\ & b_2|2\rangle + \\ & b_3|3\rangle \end{aligned}$$