

$$|t\rangle = \frac{1}{\sqrt{2}}(|z,+\rangle|z,-\rangle+|z,-\rangle|z,+\rangle)$$

$$\theta_{\frac{1}{2*a}Writingitinthel^{\pm}}\\|t\rangle_n = \frac{1}{\sqrt{2}}\left([\cos(0)-\sin(0)]\left[\sin(0)+\cos(0)\right]+\left[\sin(0)+\cos(0)\right]\left[\cos(0)-\sin(0)\right]\right) = \left[\cos^2(0)-\sin^2(0)\right]\left[-\sin^2(0)+\cos^2(0)\right]+$$