

$$l = 2$$

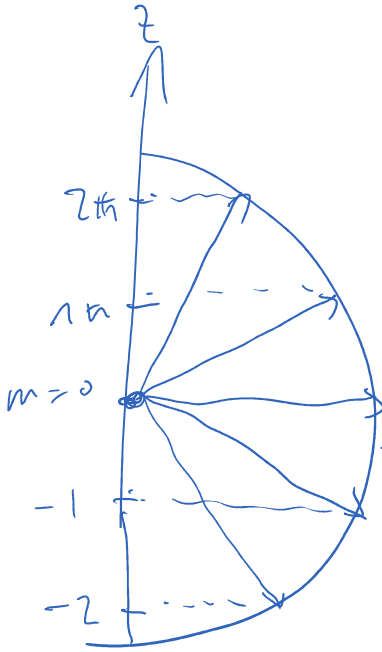
$$s = \frac{1}{2}$$

$$l = 0 \quad 1 \quad 2$$

$$2 - = \textcircled{-}$$

$$2 - = \textcircled{-}$$

$$1 \quad s \quad p \quad d$$



$$r = |\vec{r}| = \hbar \sqrt{l(l+1)}$$

$$|\vec{r}| = \hbar \sqrt{6}$$

$$l_z = \hbar m_l$$

$$e^- \quad s = \frac{1}{2}$$

$$|\vec{s}| = \hbar \sqrt{s(s+1)} = \hbar \sqrt{\frac{3}{4}}$$

$$m = -2, -1, 0, 1, 2$$

$$|\vec{s}_z| = \hbar m_s$$

$$m_s = \pm \frac{1}{2}$$

