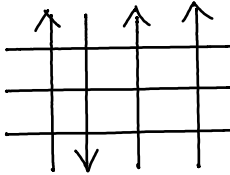
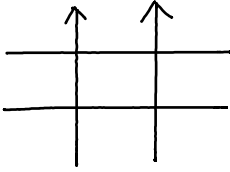
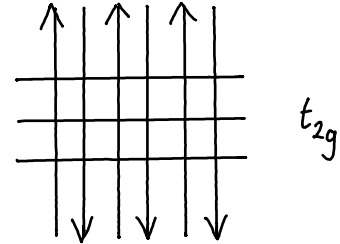
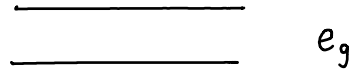


Weak




$$S=2 \Rightarrow M = g\mu_B S \approx 4\mu_B$$

Strong



$$S=0 \Rightarrow M=0$$


 Hund's Rule broken
 \Rightarrow orbital quenching

order
parameter

