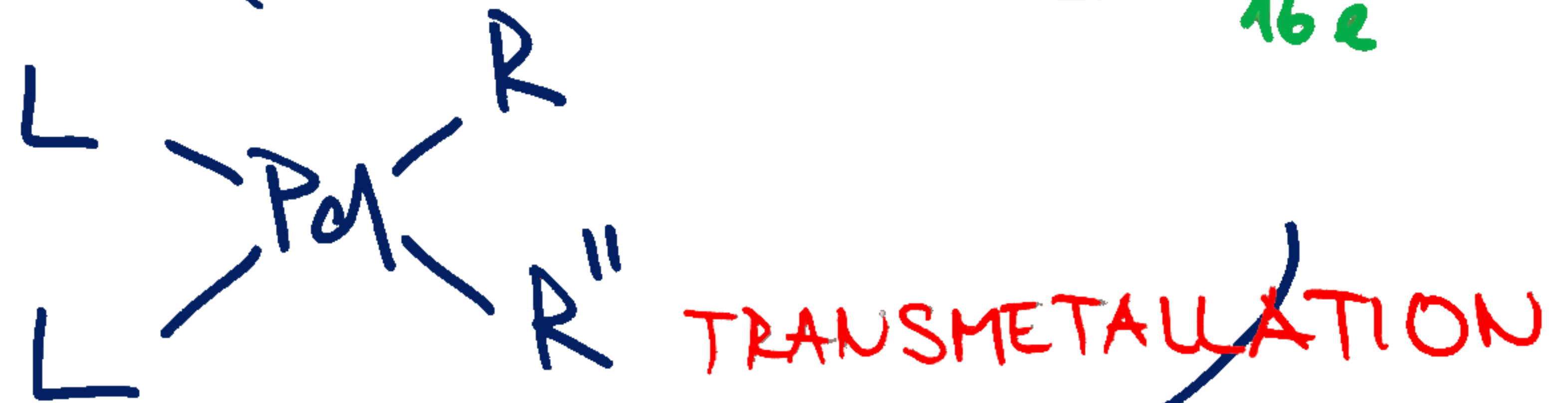
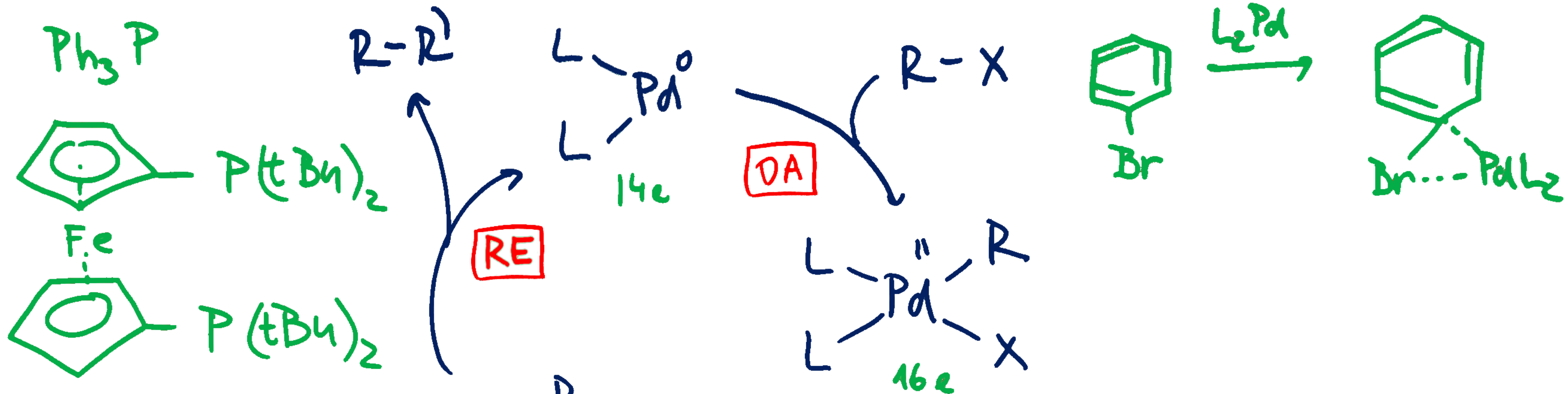


Pd-CATALYZED C-C COUPLINGS



$\text{R}'\text{MgX}$ KUMADA
 $\text{R}'\text{B}(\text{OH})_2$ SUZUKI
 $\text{R}'\text{B}(\text{OR}')_2$

