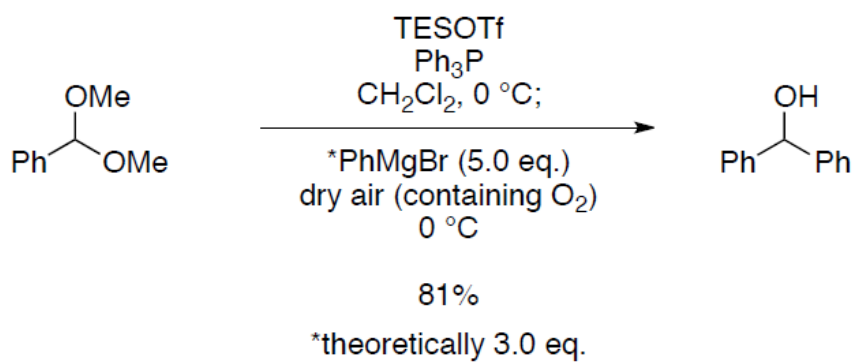# Jun13 2013 JGM problems

Muxi

Propose a reasonable mechanism for the following two transformations.

1.

TESOTf
Ph$_3$P
CH$_2$Cl$_2$, 0 °C;

*PhMgBr (5.0 eq.)
dry air (containing O$_2$)
0 °C

81%

*theoretically 3.0 eq.

2.

MeOH, rt;

toluene
reflux

89%