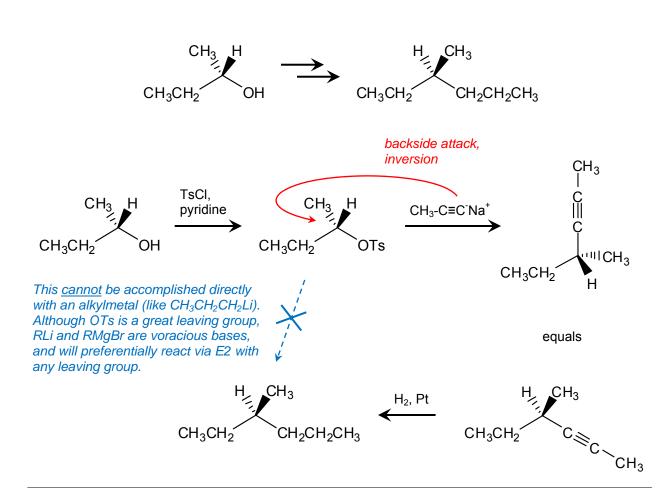
Workshop 26 Solutions Functional Group Interconversion with Tosylates



$$CH_3$$
 CH_3

Must be done in this order; methyl addition, tosylation, hydride addition. If you do hydride addition first, followed by tosylation, the final methylation step won't work because the CH₃Li will eliminate rather than add:

$$\begin{array}{c} \text{1. LiAlH}_4\\ \text{2. H}_3\text{O}^+\\ \end{array} \begin{array}{c} \text{TsCI,}\\ \text{pyridine} \end{array}$$