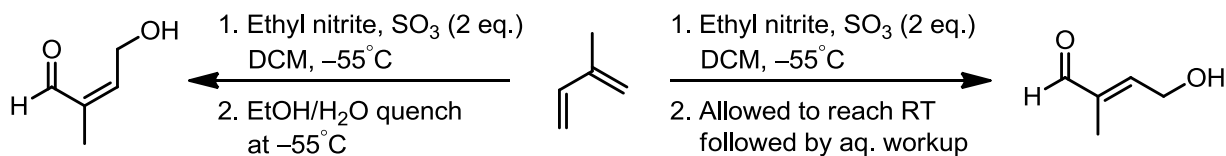


## Problems October 22<sup>th</sup>

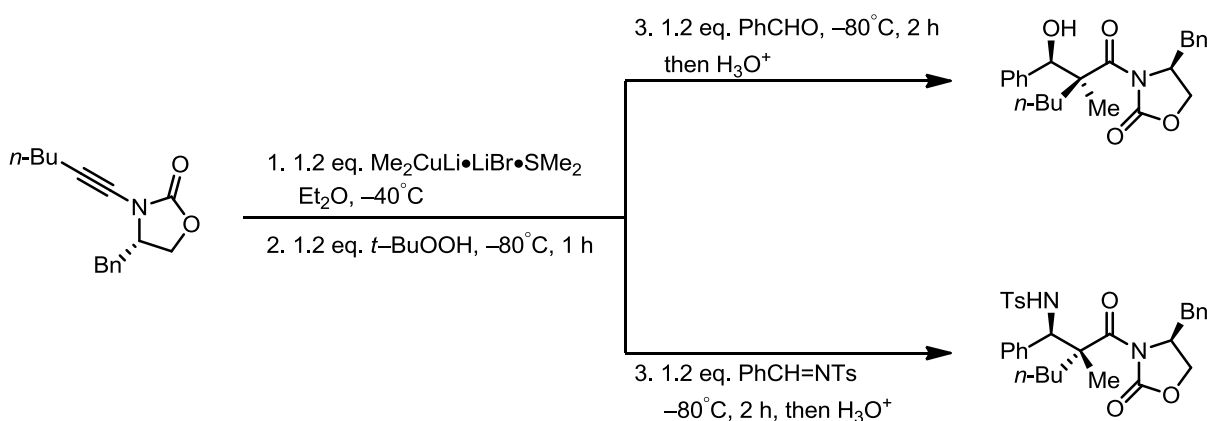
### Problem 1

Please provide a mechanism along with an explanation for the different *E/Z* selectivity.



### Problem 2

Please provide a mechanism as well as an explanation of stereochemistry for both products.



### Problem 3

Please provide a mechanism for the formation of compound **A**. Identify **B** and **C**.

