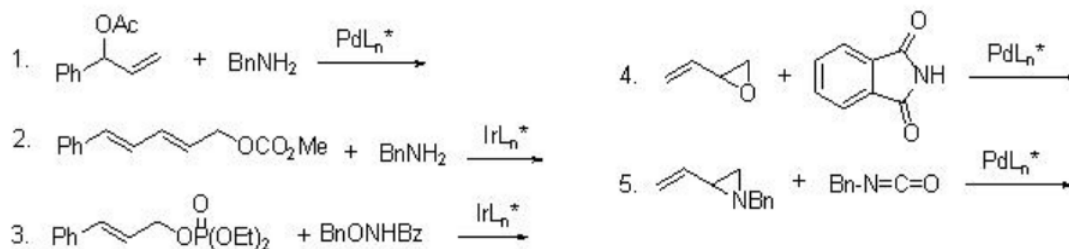


4.10: Problems and Reference

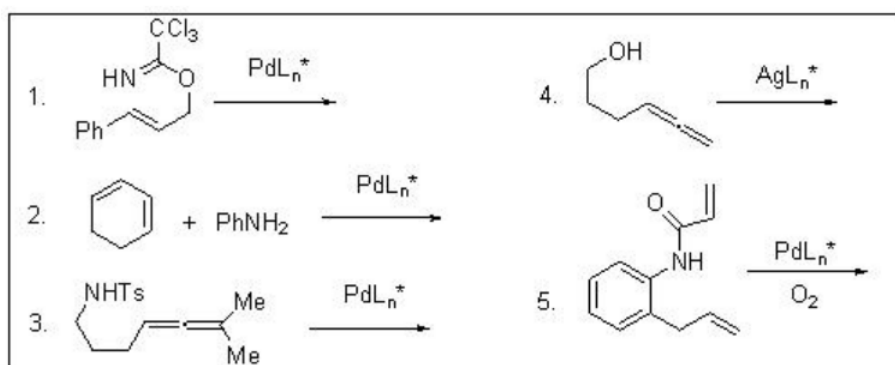
Problems:

What major products would you expect from the following reactions?



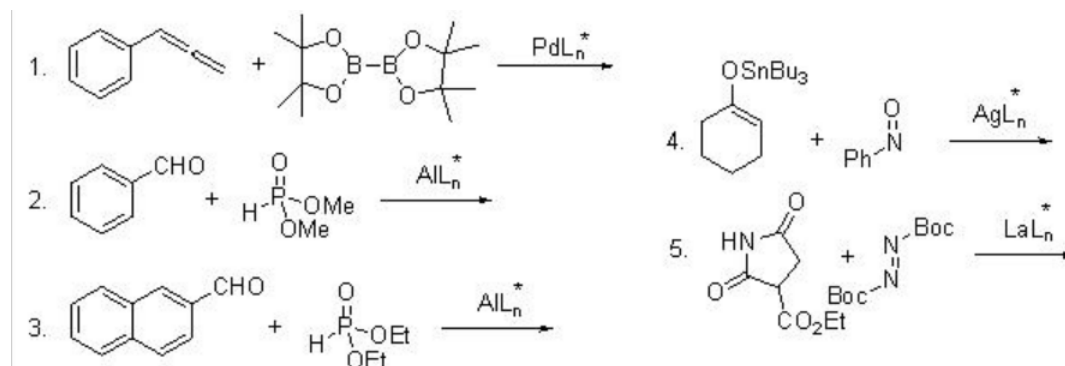
Describe Rh-catalyzed allylic substitution.

Complete the following reactions.



Provide some examples for the chiral Y and Au-catalyzed hydroamination reactions.

Predict the major product for the following reactions.



Describe asymmetric oxygenation of carbonyl compounds.

Reference /Text Book

- I. Ojima, *Catalytic Asymmetric Synthesis*, 3rd ed., Wiley, New Jersey, 2010.
- M. B. Smith, *Organic Synthesis*, 2nd ed., McGraw Hill, New Delhi, 2004.

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