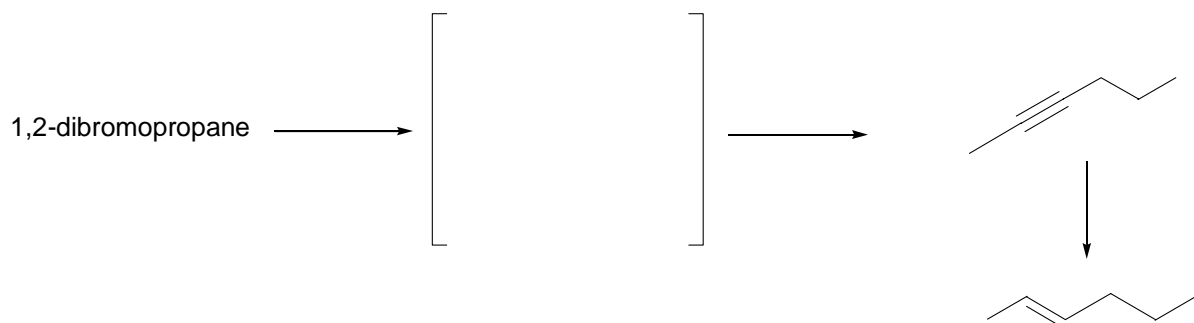


Homework/Problem Set #7
Chapter 7 (Alkenes and Alkynes). Elimination reactions

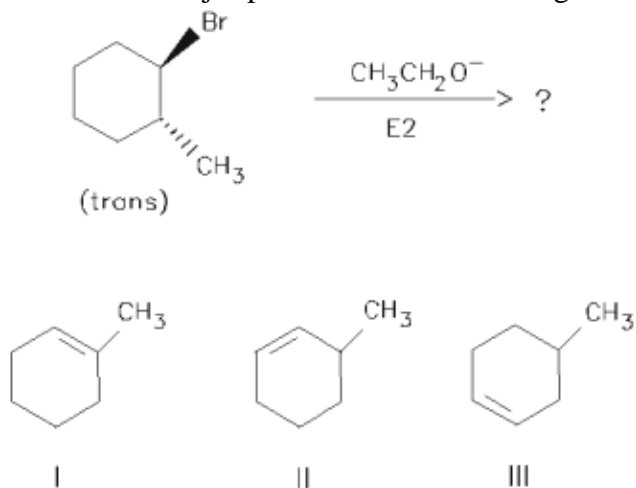
1. Draw the structure for the (Z, S)-3,4-dimethyl-2-hexene. Carefully indicate stereochemistry

2. Outline mechanism for the acid-catalyzed dehydration of (Me)₃CCH₂OH

3. Give structure of organic compounds produced or write the missing reagents.



4. Circle the major product for the following reaction



5. Which is a possible structure for a compound with an index of hydrogen deficiency equal to 3 and which absorbs one molar equivalent of hydrogen when treated with hydrogen and a platinum catalyst?

