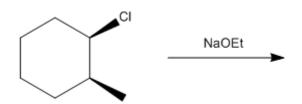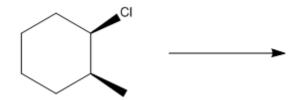## CONCEPT: ZAITSEV RULE

□ We often find that an elimination reaction can yield more than one unique alkene as a product.

    ● The most stable product = _____   ● The least stable product = _____

Zaitsev's Rule explains that we will always favor the more substituted, *thermodynamically stable product*

□ UNLESS we are using a bulky base. A bulky base promotes the formation of a less substituted, *kinetic product*

PRACTICE: Predict <u>ALL</u> of the products of the following reactions. Label them as either major or minor if necessary.

a.

NaOEt

1 eq. LiTMP

b.

NaOH