

# Homework Assignment 9

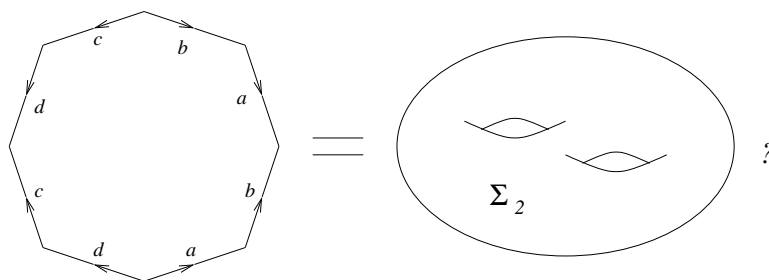
Assigned Thursday February 24; due Tuesday March 15, 3PM, in class

**Term Exam 2** will take place on Tuesday March 8, 6-8PM, at SS 2127.

**Required reading.** Read, reread and reread your notes to this point, and make sure that you really, really really, really really really understand everything in them. Do the same every week! Also, reread Hatcher's pages 113–131.

**Solve the following problems.** (But submit only the underlined ones). In Hatcher's book, problems 2, 3, 4, 5, 7, 9 and 20 on pages 131–133.

**Just for fun.** Why is



What's  $\pi_1(\Sigma_2)$ ? What's  $H_*(\Sigma_2)$ ?