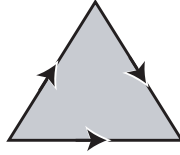


Math 8062 Homework 1

Due Wednesday, 2/6/11

1. Consider a cell complex X , with one 0-cell, one 1-cell, and one triangular 2-cell. The three sides of the triangle are identified to the same edge, with the following orientations:



Prove that X is contractible.

2. Do problems 1, 3, 5 on page 38 of Hatcher.