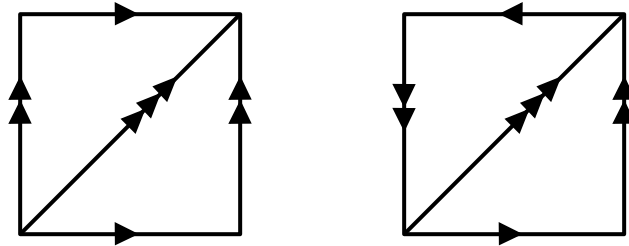


Math 427/527: algebraic topology
Homework problem for Lecture 8.

Consider the following CW complexes:



Calculate the homology groups for each of the above using the cellular chain complex, being sure to give detailed calculations of the degrees of the maps required and the corresponding coefficients in the differentials (compare the example from the end of lecture).