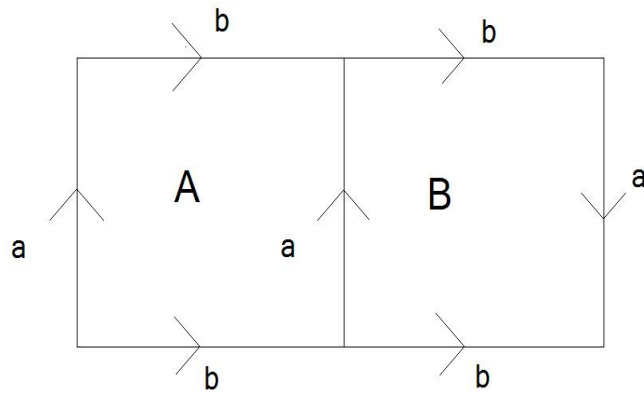


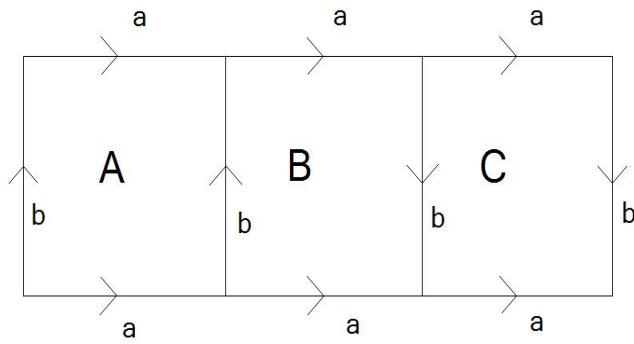
MATH 726
SUMMER 2005
HOMEWORK 4

Compute all homology groups for the following spaces.

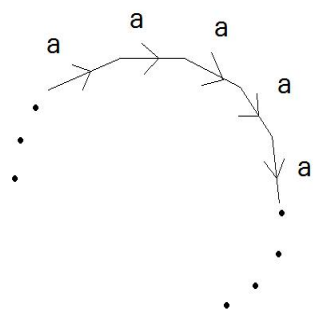
1. (5pt)



2. (5 pt)

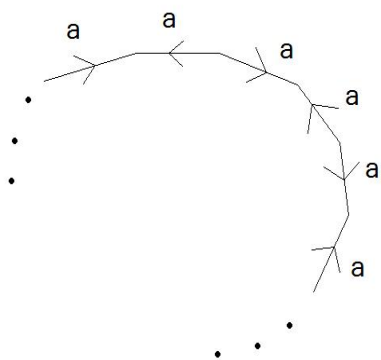


3. (5 pt) (*The n -fold duncecap.*)



(n edges)

4. (5 pt)



($2n$ edges)