Computing Simplicial Homology
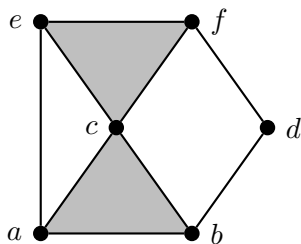MATH 348

Consider the following simplicial complex K.

1. What are the dimensions of C_0, C_1, and C_2?

2. Write a matrix representing the map δ_1.

3. What is the dimension of $H_0(K)$?

4. Write a matrix representing the map δ_2.

5. What is dimension of $H_1(K)$?

6. What are the dimensions of $H_n(K)$ for $n > 1$?