

**Class Course Code**

Jason Fong

Date

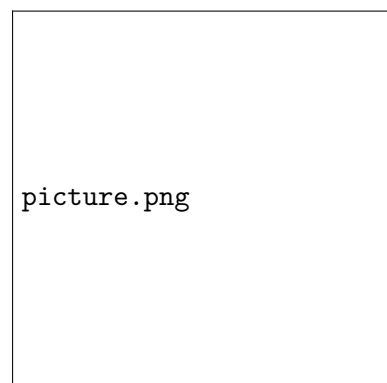
Premise of the assignment

**Question number:**

Question

**Solution:**

Solution



Homology chain

$$0 \longrightarrow C_2 \xrightarrow{\partial_2} C_1 \xrightarrow{\partial_1} C_0 \longrightarrow 0$$

Homology groups

$$H_2(X) = Ker(\partial_2)/Im(\partial_3) = ?$$

$$H_1(X) = Ker(\partial_1)/Im(\partial_2) = ?$$

$$H_0(X) = Ker(\partial_0)/Im(\partial_1) = ?$$