

Question 1:

Use the CW structure to compute the homology of $T^2 = S^1 \times S^1$.

Question 2:

Use the CW structure to compute the homology of K , the Klein Bottle.

Question 3:

Use the CW structure to compute the homology of $\mathbb{R}P^2$, the real projective plane.

Bonus: Compute the homology of $\mathbb{R}P^n$.

Question 4:

Use the CW structure to compute the homology of $T^3 = S^1 \times S^1 \times S^1$.