Quiz 6

MAT 332 Fall 2022 First

Last

UTOR id

• What is a k-connected graph?

• Recall that the hypercube Q_k is the simple graph whose vertices are the k-tuples with entries in $\{0, 1\}$ and whose edges are the pairs of k-tuples that differ in exactly one position. Prove that the hypercube Q_3 is 3-connected (Bonus: prove that Q_k is k-connected).