Quiz 4

MAT 332
Fall 2022

First   Last

UTOR id

- What is a strong component of a digraph?

- Let D be an n–vertex digraph with no cycles. Prove that the vertices of D can be ordered as $v_1, \ldots, v_n$ so that if $v_i v_j \in E(G)$, then $i < j$. (Hint: Decide which vertex should be labeled v_n and use inducton).