

Zero forcing reconfiguration

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The study of reconfiguration examines relationships among solutions to a problem, which are seen as vertices in a graph, called the reconfiguration graph. A reconfiguration rule describes the adjacency relationship in the reconfiguration graph and describes a step in transforming one solution to another. Common rules include token addition and removal (TAR) and token jumping (TJ). This talk will begin with an overview of reconfiguration from a universal perspective that applies to zero forcing, power domination, and domination, and serves an introduction several subsequent talks in this special session. Results focusing on token jumping reconfiguration for zero forcing will also be presented.

Keywords: reconfiguration, token jumping, zero forcing