

The figure displays a 3x3 grid of 9 diagrams, each representing a different configuration of a 2x2 arrangement of four vertices. Each vertex is connected to its neighbors by lines, and the connections are labeled with arrows indicating directions. The diagrams are arranged in a 3x3 grid, with each diagram occupying one cell. The connections are labeled with arrows pointing in various directions (up, down, left, right, and diagonally).