

The figure displays a 3x3 grid of 9 diagrams, each representing a different configuration of a 2x2 arrangement of 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 of the 9 cells.

The diagrams are labeled as follows:

- Top-left: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.
- Top-middle: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.
- Top-right: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.
- Middle-left: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.
- Middle-middle: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.
- Middle-right: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.
- Bottom-left: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.
- Bottom-middle: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.
- Bottom-right: A 2x2 arrangement of vertices. The top-left vertex has an arrow pointing left. The top-right vertex has an arrow pointing right. The bottom-left vertex has an arrow pointing down. The bottom-right vertex has an arrow pointing up.