

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 direction of the connection is indicated by an arrow. The configurations are as follows:

- Top-left:** Top-left vertex has arrows pointing left and down; top-right has arrows pointing left and down; bottom-left has arrows pointing up and right; bottom-right has arrows pointing up and right.
- Top-middle:** Top-left vertex has arrows pointing left and down; top-right has arrows pointing left and up; bottom-left has arrows pointing up and left; bottom-right has arrows pointing up and left.
- Top-right:** Top-left vertex has arrows pointing left and up; top-right has arrows pointing left and down; bottom-left has arrows pointing up and left; bottom-right has arrows pointing up and left.
- Middle-left:** Top-left vertex has arrows pointing left and up; top-right has arrows pointing left and down; bottom-left has arrows pointing up and left; bottom-right has arrows pointing up and left.
- Middle-middle:** Top-left vertex has arrows pointing left and up; top-right has arrows pointing left and down; bottom-left has arrows pointing up and left; bottom-right has arrows pointing up and left.
- Middle-right:** Top-left vertex has arrows pointing left and up; top-right has arrows pointing left and down; bottom-left has arrows pointing up and left; bottom-right has arrows pointing up and left.
- Bottom-left:** Top-left vertex has arrows pointing left and up; top-right has arrows pointing left and down; bottom-left has arrows pointing up and left; bottom-right has arrows pointing up and left.
- Bottom-middle:** Top-left vertex has arrows pointing left and up; top-right has arrows pointing left and down; bottom-left has arrows pointing up and left; bottom-right has arrows pointing up and left.
- Bottom-right:** Top-left vertex has arrows pointing left and up; top-right has arrows pointing left and down; bottom-left has arrows pointing up and left; bottom-right has arrows pointing up and left.