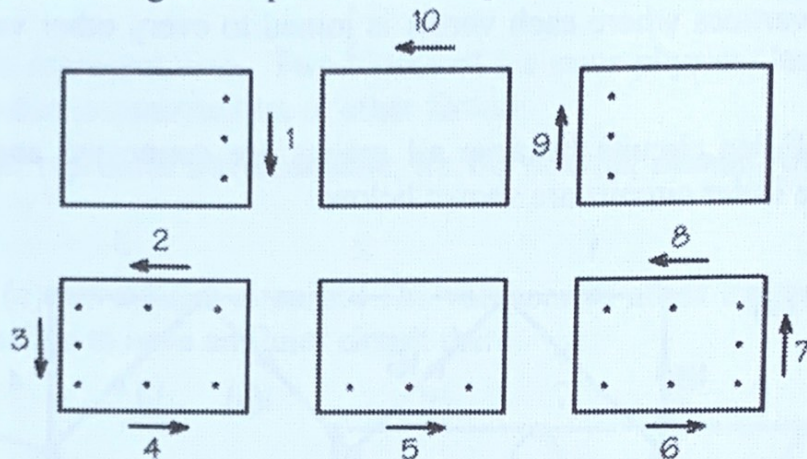


59. In chemistry when we say, for example, that hydrogen has valence 1, we mean that it forms one chemical bond with other elements. This usage has similarities with the graph theory concept of valence.
60. The thinking used to solve the Chinese postman problem does not apply directly for the situation described because the modeling assumptions for that problem are not met here.



61. A tour that begins and ends at vertex  $A$  and which respects the traffic directions would be:  $ABDEFBEBFEDBACDCA$ . The cutting machine has to make “sharp turns” at some intersections.

## Word Search Solution