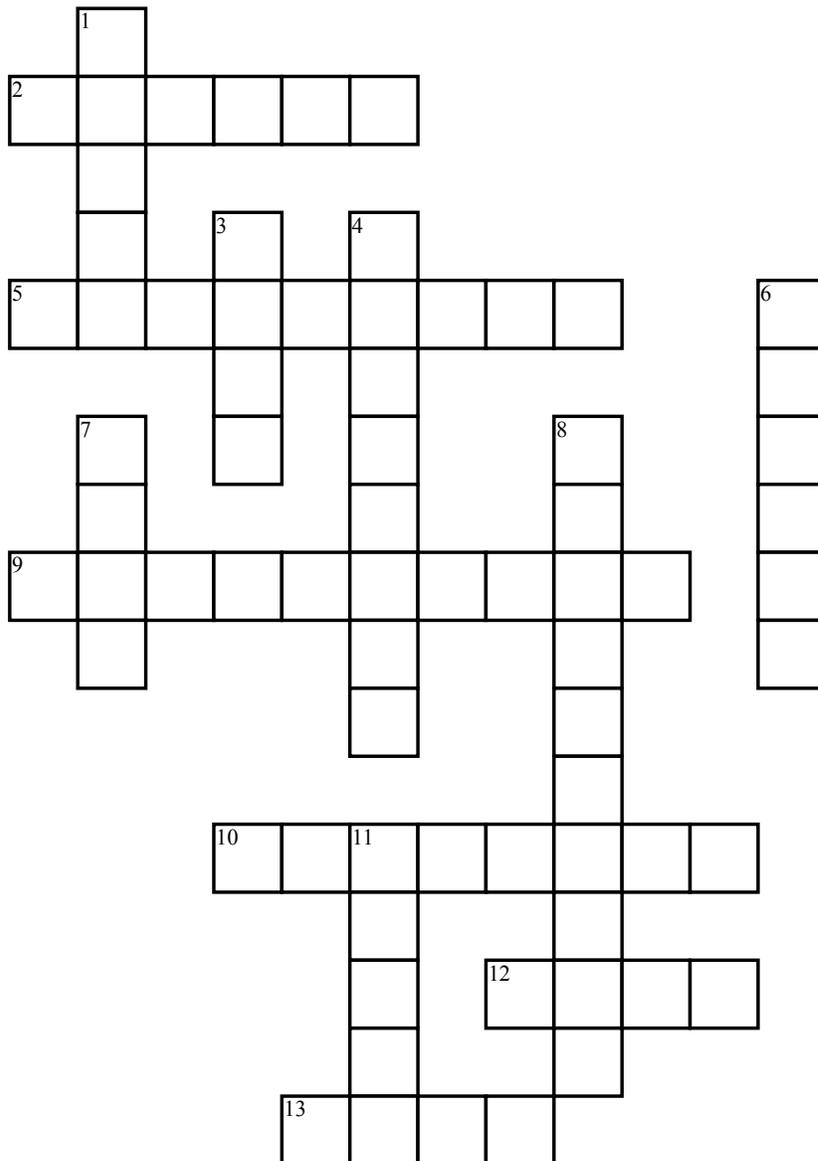


Discrete Mathematic Structures 2 & Statistics



Across

- 2. The highest level of any vertex.
- 5. A series of instructions that will produce a result if followed correctly.
- 9. If U is an ancestor of V, then V is a _____ of U.
- 10. Every Vertex along the path from V to the root (except for V itself) is an _____ of V.

- 12. A vertex with no children.
 - 13. Two vertices in a graph are said to be adjacent if they are connected by an _____.
- Down**
- 1. The distance between a vertex and the root.
 - 3. A vertex that is at the top of the tree and from which all other vertices are descendants.

- 4. 2 or more vertices stemming from the same parent.
- 6. The first vertex after Vertex V encountered along the path from V to the root.
- 7. An undirected graph that is connected and has no cycles.
- 8. A tree in which each vertex has at most two children.
- 11. A vertex stemming directly from another.