



Networks Glossary

Term	Definition
Graph	A mathematical model consisting of nodes (vertices) connected by edges (lines)
Node	A point or vertex in a graph, representing an object or location
Edge	A line in a graph, representing a connection or relationship between nodes
Path	A sequence of connected edges in a graph
Cycle	A path in a graph that starts and ends at the same node
Connected	When there is a path between every pair of nodes in a graph
Weighted	When edges in a graph have numerical values or weights assigned to them
Spanning Tree	A subgraph of a connected graph that includes all the nodes and some of the edges, forming a tree structure
Minimum Spanning Tree	The spanning tree with the minimum total weight of its edges in a weighted graph