Mixed Integer Linear Programming:
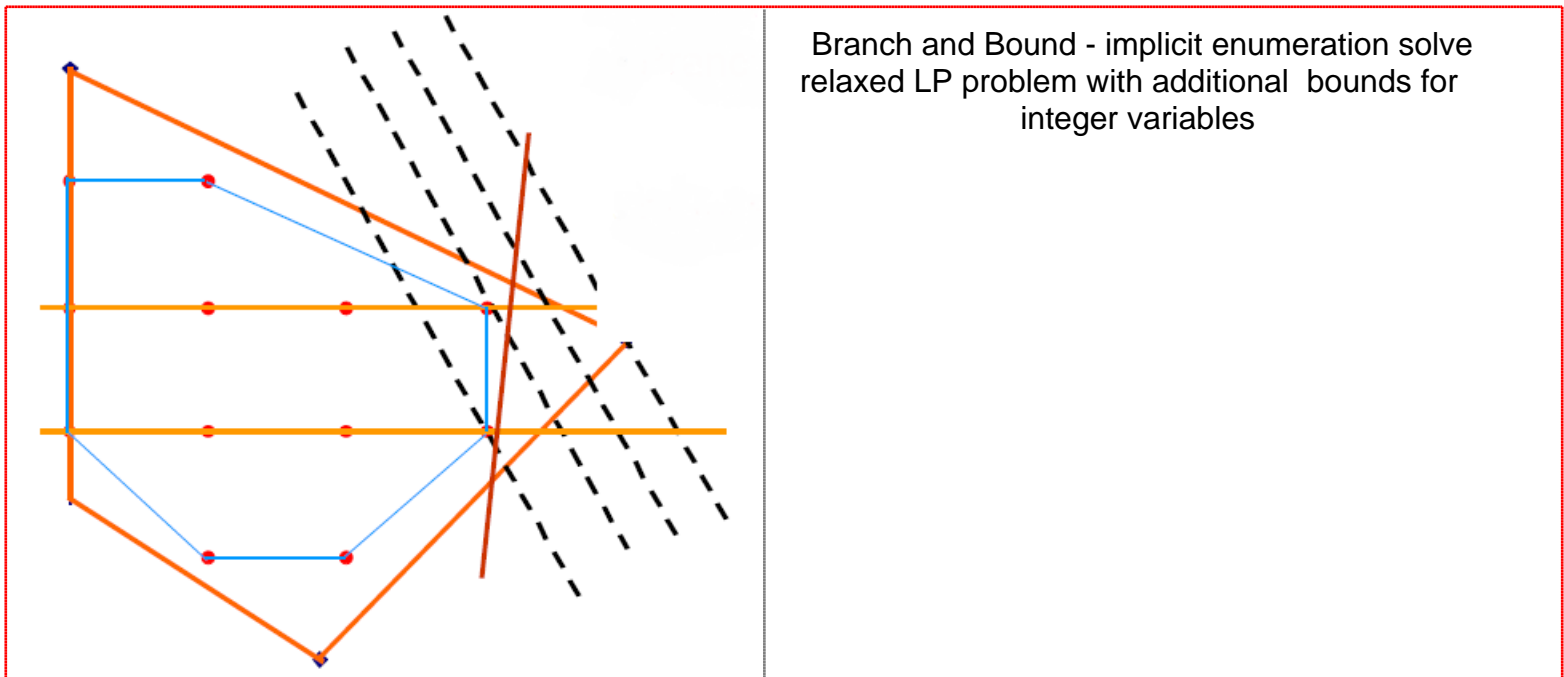
Branch and Bound:

Branch and Bound - implicit enumeration solve relaxed LP problem with additional bounds for integer variables

Branch and Cut:

Branch and Cut solve relaxed LP problem with additional valid constraints B&B is a proof techniques