Trees

A connected graph with no cycle is called a tree.

Problem 102 Find all trees (distinct up to isomorphism) with fewer than 7 vertices.

Problem 103 Find all trees with 7 vertices.

Problem 104 Find all trees with 8 vertices.

Problem 105 *G* is a tree if and only if every two vertices of *G* are joined by a unique path.

Problem 106 *G* is a tree if and only if *G* is connected and p = q + 1.

Problem 107 *G* is a tree if and only if *G* has no cycles and p = q + 1.

Problem 108 Which trees are bipartite graphs?

Problem 109 *G* is a tree if and only if every edge of *G* is a bridge.