

MATH 55 - WORKSHEET 7 (WEDNESDAY)

Lecture Material:

11.2 Definition 1, Example 1, Theorem 1 and Theorem 2

11.4 Definition 1, Example 1, Theorem 1

1 How many non-isomorphic trees are there with three vertices.

2 Show that a simple graph is a tree if and only if it is connected but the deletion of any of its edges produces a graph that is not connected.

3 Find a spanning tree for each of these graphs:

a K_5

b $K_{4,4}$

c $K_{1,6}$

d C_5