

COMPUTER SCIENCE 20, SPRING 2012  
DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

Class #19 (Connectivity)

**Homework, due in hard copy Monday 3/26/2012 at 10:10am**

**Please write your TF's name on your homework, and list the names of any students with whom you collaborated.**

1. Prove that if a connected simple graph  $G$  has no cycles then it has a *unique* spanning tree.