

# HW9

December 13, 2024

Name: \_\_\_\_\_

- a)  $G := K_n - K_n$  is a graph constructed by connecting two  $K_n$  with a new edge; how many spanning trees does it have?
- b)  $G := K_n.K_n$  is a graph constructed by gluing two  $K_n$  by a vertex; how many spanning trees does it have?
- c)  $G := K_n \bar{-} K_n$  is a graph constructed by gluing two  $K_n$  with a vertex and adding an edge; how many spanning trees does it have?