

Attendance Quiz for Lecture 10

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. (a) Draw the labeled tree on 9 vertices whose edges are

$$\{\{1, 2\}, \{1, 3\}, \{2, 6\}, \{2, 7\}, \{3, 4\}, \{3, 5\}, \{5, 8\}, \{5, 9\}\} .$$

(b) Find its *Prüffer code*

(c) Make it **doubly rooted** at vertices 2 and 9 (draw it by circling these roots and draw the skeleton from the first root to to the second root).

(d) Apply the Joyal mapping to this doubly-rooted tree, to find the corresponding *endofunction* .