

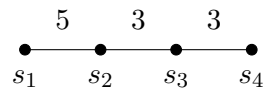
MthSc 985: Topics in Discrete Mathematical Biology (Fall 2011)

Quiz 3 (20 points)

NAME:

Instructions: Answer each of the following questions completely. If something is unclear, or if you have any questions, then please ask. Good luck!

1. (10 points) Write the presentation for the Coxeter group whose Coxeter diagram is the following:



2. (10 points) Sketch the Coxeter diagram for the group with presentation

$$\langle s_1, s_2, s_3, s_4 \mid s_i^2 = 1, (s_1 s_2)^3 = (s_2 s_3)^3 = (s_2 s_4)^3 = 1, (s_1 s_3)^2 = (s_1 s_4)^2 = (s_3 s_4)^2 = 1 \rangle.$$