

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

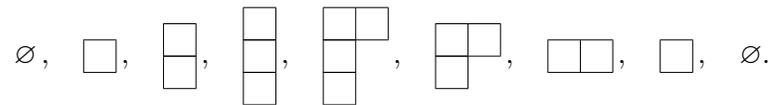
Quiz 4 (20 points)

NAME:

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

Recall the map $\psi: \{\text{length-}n \text{ *tableaux}\} \rightarrow \{\text{partial matchings over } [n]\}$.

1. (10 points) Let $(\mu^i)_{i=0}^n$ be the following *tableau:



Compute $\psi((\mu^i)_{i=0}^n)$.

2. (10 points) Compute $\psi^{-1}(G_n)$, where G_n is the following arc diagram:

