

## Exercise 8 for May 16th

**Exercise.** Fix  $p \in [1/2, 1]$ . Set  $\mu(k) = p(1-p)^k$  for  $k \geq 0$ . Let  $\mathcal{T}_n$  be a  $B_\mu$  random tree conditioned on having  $n$  vertices. Show that  $\mathcal{T}_n$  follows the uniform distribution on the set of all plane trees with  $n$  vertices.