

Homework 7

Due Wednesday March 19, 2008 at the beginning of class.

10. Let A be the group ring $\mathbb{C}S_d$. Prove that A is the internal direct sum $\bigoplus_T Ac_T$, where T varies over all standard Young Tableau with d boxes. (I believe that Fulton and Harris outline a proof of this assertion as exercise 4.50.)