## Tut 0101 and Tut 0102 Quiz 4

## Thursday March 22

## No aids allowed.

- 1. Build a generating function for  $a_r$ , the number of distributions of r identical objects into five different boxes with at most three objects in each box.
- 2. Find a generating function for the number of ways to make r cents' change in pennies, nickels, dimes, and quarters.