

Tut 0201 and Tut 0202

Quiz 5

Thursday March 29

No aids allowed.

1. Solve the recurrence relation

$$a_n = 2a_{n-1} + n, \quad a_0 = 1.$$

2. Find the functional equation for the generating function whose coefficients satisfy the relation:

$$a_n = a_{n-1} + n(n-1), \quad a_0 = 1.$$