

Attendance Quiz for Lecture 1 of Dr. Z.'s Dynamical Models in Biology class

Name: (print!)

Email: (print!)

1. Compute x_5 of the sequence satisfying the recurrence equation

$$x_n = x_{n-1} + x_{n-2}$$

subject to the initial conditions

$$x_0 = 1, x_1 = 2 \quad .$$

2. Solve explicitly the recurrence equation

$$x_n = 2x_{n-1} - x_{n-2} \quad ,$$

with initial conditions

$$x_0 = 0, x_1 = 2 \quad .$$