

Attendance Quiz for Lecture 10 of Dr. Z.'s Dynamical Models in Biology class

Name: (print!)

Email: (print!)

1. What is the probability of exiting a winner in a Gambler's ruin with max. capital 1000, and starting with 300 dollars for each of the following probability of winning a dollar in a single round.

$$p = 0.4 + 0.01 \cdot i \quad , \quad i = 5..15$$

(give all 11 numbers, it is OK to give a list of 11 numbers)

2. What is the expected duration of exiting a winner in a Gambler's ruin with max. capital 1000, and starting with 300 dollars for each of the following probability of winning a dollar in a round.

$$p = 0.4 + 0.01 \cdot i \quad , \quad i = 5..15$$

(give all 11 numbers, it is OK to give a list of 11 numbers)