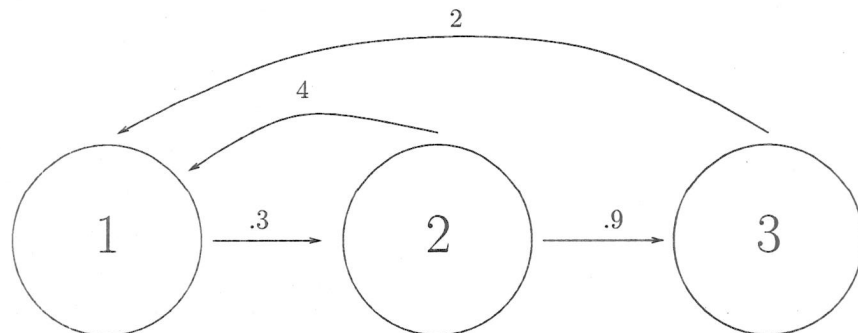


Mathematics 172

Quiz #16

You must show your work to get full credit.

A species of bird has structured age growth give by the following figure:



$t=0$	200	100	80
$t=1$	560	60	90

Complete the following table:

$x \backslash t$	0	1	2
1	200	560	420
2	100	60	168
3	80	90	54

For $t=1$ the number of 1 year olds is $4 \cdot 100 + 2 \cdot 80 = 560$

$t=1$ the number of 2 year olds is $(.3) \cdot 200 = 60$

$t=1$ the number of 3 year olds is $(.9)(100) = 90$

$t=2$ the number of 1 year olds is $4 \cdot 60 + 2 \cdot 90 = 420$

$t=2$ the number of 2 year olds is $.3(560) = 168$

$t=3$ the number of 3 year olds is $.9(60) = 54$