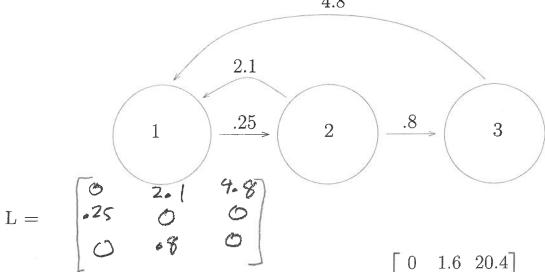
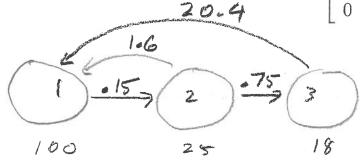
Name: Key

You must show your work to get full credit.

1. Write the Leslie matrix for the loop diagram:



2. Make the loop diagram for the Leslie matrix 15 0 0



- 3. In the Leslie matrix of Problem 2:
 - (a) What does the number .75 mean?

 The proportion of stage 2 included that survive to stage 3
 - (b) What number 20.4 mean? The average number of off spring of a stage 3 inclinated that survive to the next year
- 4. If this year that are 100 in stage 1, 25 in stage 2, and 18 in stage 3 compute the following:

1.6(25) + 20.4(19) The number in stage 1 next year. 407.2

.15(100) The number in stage 2 next year. 15