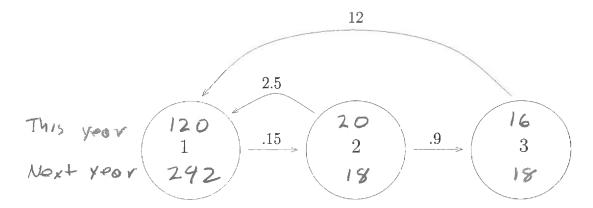
## Mathematics 172

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Name: Key

## You must show your work to get full credit.

A type of wild parsley has three stages. Stage 1 is seedlings. Stage 2 is juveniles. Stage 3 is adults. A population of this parsley is growing in a meadow. The life history of this population is summarized in the following loop diagram.



- 1. What does the number .15 represent? The properties of sendings that
- 2. What does the number 12 represent?

  The average number of officers of an adult that
- 3. Assume that this year the field has 120 seedlings, 20 juveniles, and 16 adults. Then

20(2.5) + /6(12) = 24 ow many seedlings are there next year? 242

120(.15) = 18 How many juveniles are there next year? \_\_\_\_\_\_\_18

4. With the same data as the last problem:

/8(2.5) + /8(12) = 26/How many seedlings are there year after next? 26/

2 42 (.15) = 36.3 How many juveniles are there year after next? 36.3