- Work an example yourself
- Write down exactly what you did
- Generalize from multiple examples
- Test your generalization (algorithm) by hand
- Translate your algorithm to code
- Find bugs in your code by running test cases
- Debug your code
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Population
We have a population of $n$ llamas. Each year, $n/3$ new llamas are born, and $n/4$ llamas pass away. How many years will it take to have a population of $x$ llamas?
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We have a population of 12 llamas. Each year, \( \frac{12}{3} \) new llamas are born, and \( \frac{12}{4} \) llamas pass away. How many years will it take to have a population of 13 llamas?
Year 0
Year 0
Year 0
Year 1
Year 1
Year 1
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cs50.ly/population-examples
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We have a population of $12$ llamas. Each year, $\frac{12}{3}$ new llamas are born, and $\frac{12}{4}$ llamas pass away. How many years will it take to have a population of $13$ llamas?
Year 0
Year 0
Year 1
Year 1
Year 1
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