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# ruby_bottles.rb

class Bottles
  def verse(number)
    return zero_bottles_verse if number == 0
    return one_bottles_verse if number == 1

    "#{number} bottles of beer on the wall, " +
    "#{number} bottles of beer.\n" +
    "Take one down and pass it around, " +
    "#{number - 1} bottles of beer on the wall.\n"
  end

  def verses(start, finish)
    start.downto(finish).map { |number| verse(number) }.join("\n")
  end

  def song
    verses(99, 0)
  end

  private

  def one_bottles_verse
    "1 bottles of beer on the wall, " +
    "1 bottles of beer.\n" +
    "Take it down and pass it around, " +
    "no more bottles of beer on the wall.\n"
  end

  def zero_bottles_verse
    "No more bottles of beer on the wall, " +
    "no more bottles of beer.\n" +
    "Go to the store and buy some more, " +
    "99 bottles of beer on the wall.\n"
  end
end

# The following outputs the same as the above code.
# The computer likes it just the same.

class Bottles
  def b() "bottles of beer" end
  def v(n) "#{n<1?"no more": n} " + b end
  def vn(n) v(n) + " on the wall, " + v(n) + "." end
  def t(n) n<1?"Go to the store and buy some more, " + v(99):
    "Take #{n>1?"one": "it"} down and pass it around, " + v(n-1) end
  def verse(n) "#{vn(n).capitalize}\n#{t(n)} on the wall.\n" end
  def verses(f, t) f.downto(t).map { |n| verse(n)}.join("\n") end
  def song() verses(99, 0) end
end

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# DO NOT READ
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# Until we're done with the first side
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# Output
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```
> ruby -r "./ruby_bottles.rb" -e "print Bottles.new.verse(99)"  
99 bottles of beer on the wall, 99 bottles of beer.  
Take one down and pass it around, 98 bottles of beer on the wall.
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```
> ruby -r "./ruby_bottles.rb" -e "print Bottles.new.verses(99,97)"  
99 bottles of beer on the wall, 99 bottles of beer.  
Take one down and pass it around, 98 bottles of beer on the wall.
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98 bottles of beer on the wall, 98 bottles of beer.  
Take one down and pass it around, 97 bottles of beer on the wall.
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```
97 bottles of beer on the wall, 97 bottles of beer.  
Take one down and pass it around, 96 bottles of beer on the wall.
```

```
> ruby -r "./ruby_bottles.rb" -e "print Bottles.new.verses(3,0)"  
3 bottles of beer on the wall, 3 bottles of beer.  
Take one down and pass it around, 2 bottles of beer on the wall.
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```
2 bottles of beer on the wall, 2 bottles of beer.  
Take one down and pass it around, 1 bottles of beer on the wall.
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```
1 bottles of beer on the wall, 1 bottles of beer.  
Take it down and pass it around, no more bottles of beer on the wall.
```

```
No more bottles of beer on the wall, no more bottles of beer.  
Go to the store and buy some more, 99 bottles of beer on the wall.
```