

Trace #7

```
def mystery7(word)
  if word.length < 2
    return true
  elsif word[0] != word[-1]
    return false
  else
    return mystery7(word[1..-2])
  end
end
```

mystery7(word) → false
word = "cupcake"

mystery7(word) → false
word = "detected" → false
word = "etecte" → false
word = "tect" → false
word = "ct" → false

- What is mystery7("cupcake")? *false*
- What is mystery7("detected")? *false*
- What is mystery7("eye")? *true*
- What is the time complexity of mystery7(word)? *O(n)* where n is the length of word
- What is the space complexity of mystery7(word)? *O(n)* ↗