

Questions 1-2

Take a moment to read this data definition for Season, and be sure you are comfortable with it.

```
;; Season is one of:  
;; - "spring"  
;; - "summer"  
;; - "fall"  
;; - "winter"  
;; interp. the four seasons of the year  
;; <examples are redundant for enumerations>  
#;  
(define (fn-for-season s)  
  (cond [(string=? "spring" s) (...)]  
        [(string=? "summer" s) (...)]  
        [(string=? "fall" s) (...)]  
        [(string=? "winter" s) (...)]))  
  
;; Template Rules Used:  
;; - one of: 4 cases  
;; - atomic distinct: "spring"  
;; - atomic distinct: "summer"  
;; - atomic distinct: "fall"  
;; - atomic distinct: "winter"
```

Consider the problem of designing a function called next - season that takes the given season and produces the season that follows.

Question 1

1 point possible (graded)

What is the minimum number of tests you need to design this function?

☐ 0

☐ 2

☒ 4 ✓

☐ 6

Explanation

You need at least as many tests as there are cases in the enumeration (in this case 4).

Submit

i Answers are displayed within the problem

Question 2

1 point possible (graded)

Suppose after you copy the template from Season and fill it out according to the examples you designed, you notice this error:

```
(define (next-season s)
  (cond [(string=? "spring" s) "summer"]
        [(string=? "summer" s) "fall"]
        [(string=? "fall" s) "winter"]
        [(string=? "winter" s) "spring"])))
```

Welcome to [DrRacket](#), version 5.3.1 [3m].
Language: [Beginning Student with List Abbreviations](#); memory limit: 128 MB.
read: unexpected `)'
>

What should you do once you see this error? [choose all that apply]

- ☐ Comment out the function definition
- ☐ Add an extra ' (' at the beginning of the function body
- ☐ If the same problem appears in the template body, add an extra ' (' to it
- ☒ Remove the extra ') ' from the function body ✓
- ☒ If the same problem appears in the template body, remove the extra ') ' from it ✓

It is clearly necessary to fix the problem in the function definition by removing the extra ') ' so that the error message disappears, but it is also necessary to fix the same problem right away in the template if it's there, to make sure the bug is not copied over to other places in the program.

Submit

i Answers are displayed within the problem