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## Questions 1

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### Question 1

1/1 point (graded)

```
;; ListOfString is one of:  
;; - empty  
;; (cons String ListOfString)  
(define LOS1 empty)  
(define LOS2 (cons "a" empty))  
(define LOS3 (cons "a" (cons "b" empty)))  
#;  
(define (fn-for-los los)  
  (cond [(empty? los) empty]  
        [else  
         (... (first los)  
              (rest los))]))
```

In the above Data Definition, what is wrong with the template? Choose all answers that apply.

☐ It's missing the natural recursion for `(first los)`☒ It's missing the natural recursion for `(rest los)`☐ It's missing the base case☐ It's incorrectly named☒ The base case should be `(...)` instead of `empty`


#### explanation

The correct template is:

```
#;  
(define (fn-for-los los)  
  (cond [(empty? los) (...)]  
        [else  
         (... (first los)  
              (fn-for-los (rest los)))]))
```

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