

Exercise 2.21.

The procedure `square-list` takes a list of numbers as argument and returns a list of the squares of those numbers.

```
(square-list (list 1 2 3 4))  
(1 4 9 16)
```

Here are two different definitions of `square-list`. Complete both of them by filling in the missing expressions:

```
(define (square-list items)  
  (if (null? items)  
      nil  
      (cons <??> <??>)))  
  
(define (square-list items)  
  (map <??> <??>))
```

Answer.

```
(define (square-list items)  
  (if (null? items)  
      nil  
      (cons (square (car items))  
            (square-list (cdr list)))))  
  
(define (square-list items)  
  (map square items))
```

*. Creative Commons  2013, Lawrence R. Amlord(颜世敏).