Consider the following Lisp function:

```lisp
(label rember (lambda (a lat)
    (cond
        ((null. lat) '())
        ((eq (car lat) a) (cdr lat))
        ('t (cons (car lat) (rember a (cdr lat)))))))
```

1. What is `(rember 'foo '())`? **Answer:** ()
2. What is `(rember 'foo '(foo bar))`? **Answer:** (bar)
3. What is `(rember 'foo '(bar foo goo))`? **Answer:** (bar goo)
4. In your words, what does `rember` do? (Hint: “lat” stands for “list of atoms.”) **Answer:** It removes all occurrences of the first argument (an atom) from the second argument (a list of atoms).