Problem 8

(20 points possible)

Write a Python function called `satisfiesF` that has the specification below. Then make the function call `run_satisfiesF(L, satisfiesF)`. Your code should look like:

```
def satisfiesF(L):
    """
    Assumes L is a list of strings
    Assume function f is already defined for you and it maps a string to a Boolean
    Mutates L such that it contains all of the strings, s, originally in L such
            that f(s) returns True, and no other elements. Remaining elements in L
            should be in the same order.
    Returns the length of L after mutation
    """
    # Your function implementation here

run_satisfiesF(L, satisfiesF)
```

For your own testing of `satisfiesF`, for example, see the following test function `f` and test code:

```
def f(s):
    return 'a' in s

L = ['a', 'b', 'a']
print satisfiesF(L)
print L
```

Should print:

```
2
['a', 'a']
```

Paste your entire function `satisfiesF`, including the definition, in the box below. **After you define your function, make a function call to `run_satisfiesF(L, satisfiesF)`. Do not define `f` or `run_satisfiesF`.** Do not leave

any debugging print statements. **Note that we ask you to write a function only -- you cannot rely on any variables defined outside your function for your code to work correctly.**

For this question, you will **not be able to see the test cases we run**. This problem will test your ability to come up with your own test cases. If you are getting "Incorrect", first **check to make sure you have no indentation errors**. For example, make sure the line `run_satisfiesF(L, satisfiesF)` does not have any spaces before it.

```
1 # Paste your function here
```

Unanswered

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