./Programming Fundamentals using Python - Part 01/Assignment Set - 04/Assignment on dictionary

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"""
Write a python function, find_correct() which accepts a dictionary and returns a list as per the rules mentioned below.
The input dictionary will contain correct spelling of a word as key and the spelling provided by a contestant as the val
ue.

The function should identify the degree of correctness as mentioned below:
CORRECT, if it is an exact match\013
ALMOST CORRECT, if no more than 2 letters are wrong
WRONG, if more than 2 letters are wrong or if length (correct spelling versus spelling given by contestant) mismatches.

and return a list containing the number of CORRECT answers, number of ALMOST CORRECT answers and number of WRONG answers
.
Assume that the words contain only uppercase letters and the maximum word length is 10.

================================================================================
| Sample Input                                                | Expected Output   |
================================================================================
| {"THEIR": "THEIR", "BUSINESS": "BISINESS",                  |                   |
| "WINDOWS":"WINDMILL", "WERE":"WEAR", "SAMPLE":"SAMPLE"}     | [2, 2, 1]         |
================================================================================
"""


def find_correct(word_dict):
    wrong = 0
    almost = 0
    correct = 0
    li = []

    for i, j in word_dict.items():
        if len(i) != len(j):
            wrong += 1
        else:
            mistake_counter = 0
            for x in range(0, len(i)):
                if i[x] == j[x]:
                    continue
                else:
                    mistake_counter += 1

            if mistake_counter == 0:
                correct += 1

            elif mistake_counter <= 2:
                almost += 1

            else:
                wrong += 1

    return [correct, almost, wrong]


word_dict={"THEIR": "THEIR","BUSINESS":"BISINESS","WINDOWS":"WINDMILL","WERE":"WEAR","SAMPLE":"SAMPLE"}
print(find_correct(word_dict))
```