

In []:

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# function for removing common characters
# with their respective occurrences
def remove_match_char(list1, list2):
    for i in range(len(list1)) :
        for j in range(len(list2)) :

            # if common character is found
            # then remove that character
            # and return list of concatenated
            # list with True Flag
    if list1[i] == list2[j] :
        c = list1[i]

        # remove character from the list
        list1.remove(c)
        list2.remove(c)

        # concatenation of two list elements with *
        # * is act as border mark here
        list3 = list1 + ["*"] + list2

        # return the concatenated list with True flag
    return [list3, True]

# no common characters is found
# return the concatenated list with False flag
list3 = list1 + ["*"] + list2
return [list3, False]

# Driver code
if __name__ == "__main__" :

    # take first name
    p1 = input("player 1 name :")

    # converted all letters into lower case
    p1 = p1.lower()

    # replace any space with empty string
    p1.replace(" ", "")

    # make a list of letters or characters
    p1_list = list(p1)

    # take 2nd name
    p2 = input("Player 2 name : ")
    p2 = p2.lower()
    p2.replace(" ", "")
    p2_list = list(p2)

    # taking a flag as True initially
    proceed = True

    # keep calling remove_match_char function
    # until common characters is found or
    # keep looping until proceed flag is True
    while proceed :

        # function calling and store return value
        ret_list = remove_match_char(p1_list, p2_list)

        # take out concatenated list from return list
        con_list = ret_list[0]

        # take out flag value from return list
        proceed = ret_list[1]

        # find the index of "*" / border mark
        star_index = con_list.index("*")

        # list slicing perform

        # all characters before * store in p1_list
        p1_list = con_list[ : star_index]

        # all characters after * store in p2_list
        p2_list = con_list[star_index + 1 : ]

    # count total remaining characters
    count =len(p1_list)+len(p2_list)

    # list of FLAMES acronym
    result = ["Friends", "Love", "Affection", "Marriage", "Enemy", "Siblings"]

    # keep looping until only one item
    # is not remaining in the result list
    while len(result) > 1 :

        # store that index value from
        # where we have to perform slicing.
        split_index = (count % len(result) - 1)

        # this steps is done for performing
        # anticlock-wise circular fashion counting.
        if split_index >= 0 :

            # list slicing
            right = result[split_index + 1 : ]
            left = result[ : split_index]

            # list concatenation
            result =right+left
        else :
            result = result[ : len(result) - 1]

    # print final result
    print("Relationship status :", result[0])
```