

# My first try was to upload the encrypted text on **Cipher-Identifier**, and I found out that we are going to decrypt a **Transposition Cipher**. I tried to brute force it, but no result. But if we look carefully at the text we can see that every third character should be the first. For example : ["a", "b", "c", ...] -> ["c", "a", "b", ...] and so on. Here is the code used to decrypt the flag :

```
def rotate_groups(ls, size_group = 3):
    resultat = []
    for i in range(0, len(ls), size_group):
        group = ls[i:i+size_group]
        if len(group) == size_group:
            rotated_group = [group[-1]] + group[:-1]
        else:
            rotated_group = group
        resultat.extend(rotated_group)
    return resultat

def print_list(ls) :
    text = ""
    for c in ls :
        text += c

    print(text)

def main() :
    message = "heTfl g as iicpCTo{7F4NRP051N5_16_35P3X51N3_V9AAB1F8}7"
    message_list = []

    for c in message :
        message_list.append(c)

    print_list(rotate_groups(message_list))

if __name__ == "__main__" :
    main()
```

THE FLAG : picoCTF{7R4N5P051N6\_15\_3XP3N51V3\_A9AFB178}  
~Z4que