

i春秋第二届春秋欢乐赛 Rotated! writeup

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订阅专栏

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题目内容

They went and ROTated the flag by 5 and then ROTated it by 8! The scoundrels! Anyway once they were done this was all that was left VprPGS{jnvg_bar_cyhf_1_vf_3?}

题目提示

flag格式是IceCTF

想到凯撒密码, 贴上我的程序直接所有的位移数都跑一遍:

```

def encrypt(plaintext):
    # j即为key
    for j in range(26):
        str_list = list(plaintext)
        i = 0
        while i < len(plaintext):
            if not str_list[i].isalpha():
                str_list[i] = str_list[i]
            else:
                a = "A" if str_list[i].isupper() else "a"
                str_list[i] = chr((ord(str_list[i]) - ord(a) + j) % 26 + ord(a))
            i = i + 1

        print(str(str_list).replace('[', '').replace(']', '').replace("'", '').replace(', ', '').replace(' ', '').strip())

def decrypt(plaintext2):
    for j in range(26):
        str_list = list(plaintext)
        i = 0
        while i < len(plaintext):
            if not str_list[i].isalpha():
                str_list[i] = str_list[i]
            else:
                a = "A" if str_list[i].isupper() else "a"
                str_list[i] = chr((ord(str_list[i]) - ord(a) - j) % 26 + ord(a))
            i = i + 1

        print(str(str_list).replace('[', '').replace(']', '').replace("'", '').replace(', ', '').replace(' ', '').strip())

if __name__ == '__main__':
    plaintext = "VprPGS{jnvg_bar_cyhf_1_vf_3?} "
    decrypt(plaintext)

```

得出flag:

```
IceCTF{wait_one_plus_1_is_3?}
```