buuctf逆向pyre

原创

g子荣 于 2021-10-13 13:12:25 发布 8 收藏

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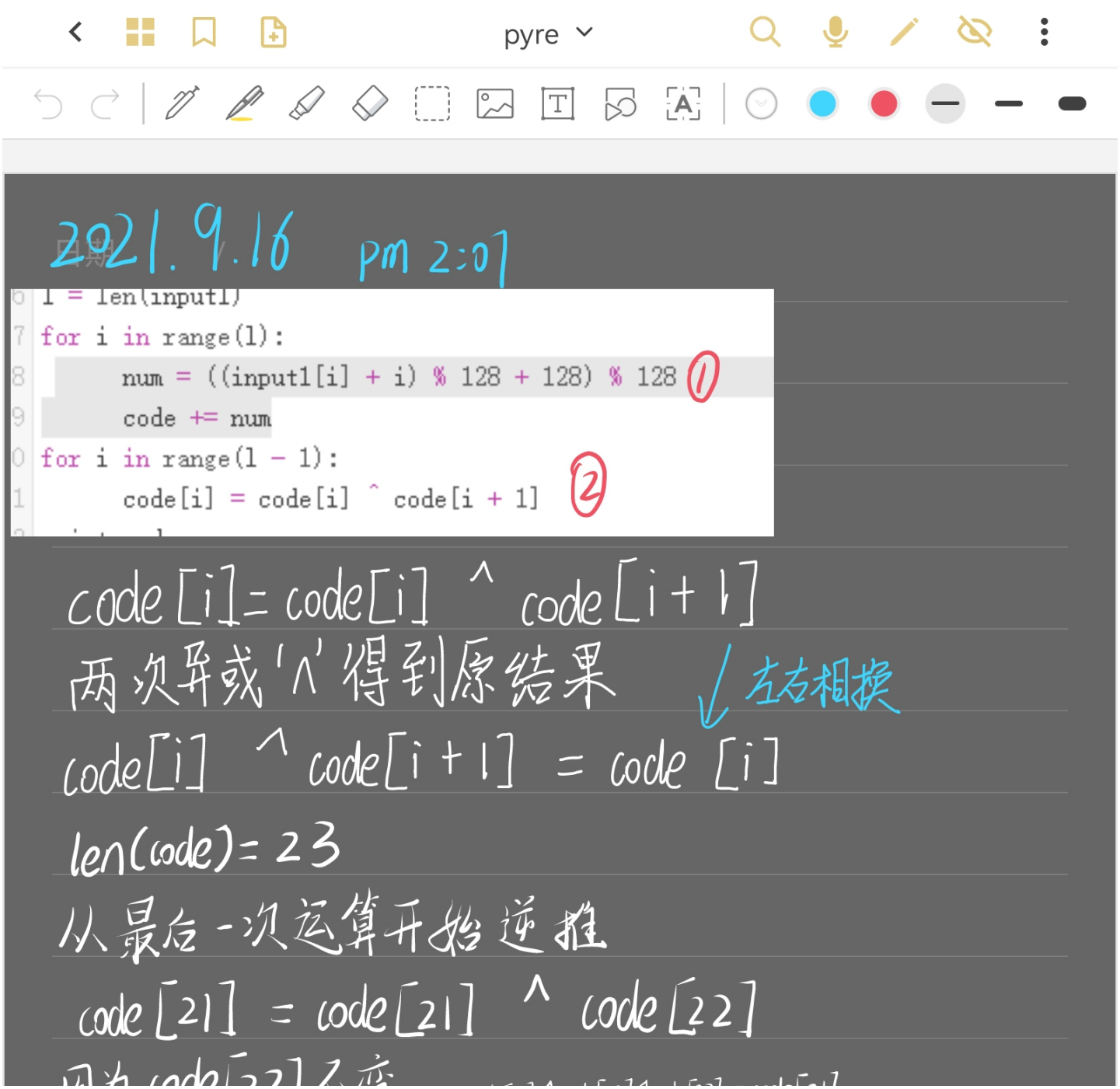


因为code[22]不变 code[21] ^ code[22] ^ code[22] = code[21]

所以 从 code[21] 到 code[0]

code[21] = code[22] ^ code[21]

code[21] = code[21] ^ code[22]

code[20] = code[20] ^ code[21]

⋮

code[1] = code[1] ^ code[2]

code[0] = code[0] ^ code[1] ⇒ 此步 i=0，但

for i in range(21,-1,-1) -1不执行

code[i] = code[i] ^ code[i+1]


```
for i in range(1):
    num = ((input1[i] + i) % 128 + 128) % 128
    code += num
```

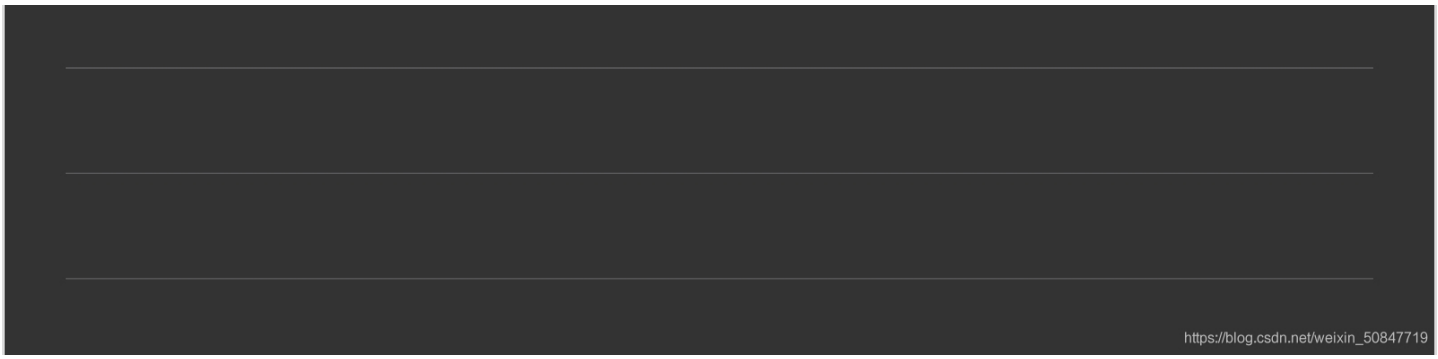
num = [(flag[i] + i) % 128 + 128] % 128 = code[i]

(a%c + b%c) %c = (a+b) %c =

[flag[i] + i] %128

```
flag = ''
for i in range(21,-1,-1):
    code[i] = chr(ord(code[i]) ^ ord(code[i + 1]))
for a in range(22):
    flag += chr((ord(code[a]) - a) % 128)
print(flag)
```

GWHT{Just_Re_1s_Ha66y!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