

readme

倪浚桐

202022161224

Lab2-progarm2

macOS Big Sur 11.5.2(20G95)

Pycharm 11.0.11 x86-64

Python 3.9.5

```
终端: main.py × main.py × +
/Users/lingfeng/Desktop/python/202022161224-倪浚桐-Lab2/Program2/main.py
(venv) lingfeng@lingfengdeMacBook-Pro Program2 % /Users/lingfeng/Desktop/python/202022161224-倪浚桐-Lab2/Program2/main.py
please input n:5
please input keyword:4 2 5 3 1
please input plaintext:WHICHWRISTWATCHESARESWEISSWRISTWATCHES
ciphertext: HTHESTHHRASWRASCSCRSSCWWWESWWEIITAIIT
(venv) lingfeng@lingfengdeMacBook-Pro Program2 %
```

```
1  #!/usr/bin/env python3
2
3  n = input("please input n:")
4  keyword = input("please input keyword:")
5  plaintext = input("please input plaintext:")
6  cnt = int(n)
7  pos = 1
8  ans = ""
9  keyword = keyword.replace(' ', '')
10 while cnt:
11     for i in keyword:
12         if i == str(pos):
13             index = keyword.find(i)
14             for x in plaintext[int(index)::int(n)]:
15                 ans += x
16                 cnt -= 1
17                 pos += 1
18             break
19 print("ciphertext:", end=" ")
20 print(ans)
```