```python
# Again, I modified the "level_5_pw_check()" function. First, I've made a list with
all the elements from "dictionary.txt" and I used them as passwords :

def level_5_pw_check():

    with open("dictionary.txt", "r") as f:
        lines = f.readlines()
    lines = [l.strip() for l in lines]

    for l in lines :
        user_pw_hash = hash_pw(l)
        if( user_pw_hash == correct_pw_hash ):
            print("Welcome back... your flag, user:")
            decryption = str_xor(flag_enc.decode(), l)
            print(decryption)
            return
        print("That password is incorrect")

# And I ran the script

THE FLAG : picoCTF{h45h_sl1ng1ng_36e992a6}
~Z4que
```