```
# This time, we have a lot of passwords. So I modified "level_4_pw_check()"
function :

def level_4_pw_check():
    pos_pw_list = ["6288", "6152", "4c7a", "b722", ... "8a6d", "2154", "d964",
"49ec"]
    for p in pos_pw_list :
        user_pw_hash = hash_pw(p)
        if( user_pw_hash == correct_pw_hash ):
            print("Welcome back... your flag, user:")
            decryption = str_xor(flag_enc.decode(), p)
            print(decryption)
            return
        print("That password is incorrect")

# And I ran the script

THE FLAG : picoCTF{fl45h_5pr1ng1ng_ae0fb77c}
~Z4que
```