FLAGWATCH

Description: Did you know that you can compile AutoHotKey scripts?

```
┌──(osiris㉿ALICE)-[~/Downloads/CTF/BuckeyeCTF/flagwatch]
└─$ strings flagwatch.exe | grep "encrypted_flag"
encrypted_flag :=
[62,63,40,58,39,40,111,63,52,50,53,63,104,48,48,37,3,61,3,55,57,37,48,10
8,59,59,111,46,33]
if ((encrypted_flag[A_Index] ^ 92) != Asc(SubStr(flaginput,A_Index,1)))
{
```

This one quite straightforward. The coded use bitwise operation to encode with 92. The concept will be XOR operation.

Code (python)

```
encrypted_flag =
[62,63,40,58,39,40,111,63,52,50,53,63,104,48,48,37,3,61,3,55,57,37,48,10
8,59,59,111,46,33]

decoded_flag = ""
for num in encrypted_flag:
    decoded_flag += chr(num ^ 92)
print("The decoded flag is:", decoded_flag)
```

```
┌──(osiris㉿ALICE)-[~/Downloads/CTF/BuckeyeCTF/flagwatch]
└─$ python solver.py
The decoded flag is: bctf{t3chnic4lly_a_keyl0gg3r}
```

Flag: bctf{t3chnic4lly_a_keyl0gg3r}