

After reading the pseudocode of validator, it becomes obvious that each character of the password is checked against the 0<sup>th</sup>, 36<sup>th</sup>, 72<sup>th</sup> and so on character in the verify array (assuming indexed from 0).

Next, I copy pasted the verify array into notepad and performed some masterful manual and automated replacing until I made myself an array in python.

Here, I tried to extract every 36<sup>th</sup> character however I got nothing usefull. After printing the decoded chars (with . if it's unprintable) I noticed that, for some reason, I should be going 9 by 9 instead

For example, here is a section:

**C..%.~Ć.¶²T:}On..~ÑF..£`.3..{**

Between C and T there are 8 chars, and the same between T and F, F and {. As a result I used:

```
hex_data = [hex values here]
print(''.join([chr(hex_data[i % len(hex_data)]) for i in range(0, 1800, 9)]))
```

This script, assuming the hex\_data is correct, will print the flag (multiple times even)

**Made with love by: AndreiCat**