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 rot5_decode.PNG	Uploaded Many Challenge from Stage 1	9 months ago
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Rotated! (Crypto - 20 Points, 1451 solves)

They went and ROTated the flag by 5 and then ROTated it by 8! The scoundrels! Anyway once they were done this was all that was left VprPGS{jnvq_bar_cyhf_1_vf_3?}

Solution

It's fairly easy to see the hint within "ROTated," that being said lets go right to looking at ROT 5 and ROT 8. One thing to remember in ciphertext like this you need to undo the encoding by doing the **reverse**.

Encode: Plaintext -> ROT 5 -> ROT 8

Decode: Ciphertext -> ROT 8 -> ROT 5

You can either write a tool yourself or simply find one of many online (here's one)

ROT8 Encrypted Text:

```
DxzXOA{rvdo_jiz_kgpn_1_dn_3?}
```

Original Text:

```
VprPGS{jnvq_bar_cyhf_1_vf_3?}
```

So what we did was pipe the ciphertext into the ROT 8 decoder and got a new string:

```
DxzXOA{rvdo_jiz_kgpn_1_dn_3?}
```

Now we take the new string and pipe it back into the program to get the flag.

ROT5 Encrypted Text:

```
IceCTF{wait_one_plus_1_is_3?}
```

Original Text:

```
DxzXOA{rvdo_jiz_kgpn_1_dn_3?}
```

Flag: 'IceCTF{wait_one_plus_1_is_3?}'