

Play Nice Cryptography

Description

Not all ancient ciphers were so bad... The flag is not in standard format. ncmercury.picoctf.net 19354
[Playfair.py](https://playfair.py)

Solution:

The screenshot shows the dCode website's interface for the PlayFair Cipher tool. At the top, there's a search bar with the text "Search for a tool" and a dropdown menu showing "e.g. type 'sudoku'". Below the search bar, there's a "Results" section with a list of tools, including "PlayFair Cipher - dCode". The main section is titled "PLAYFAIR CIPHER" and "Cryptography > Polygrammic Cipher > PlayFair Cipher". It features a "Canva Design anything" banner and a "Try now" button. The "PLAYFAIR DECODER" section includes a "PLAYFAIR CIPHERTEXT" input field with the text "n5vgru7ehz1klja8s9340m2wcxbd6pqf1toy". Below this is a "PLAYFAIR GRID" section with a 5x5 grid of letters. The grid is as follows:

1	2	3	4	5	
1	N	5	V	G	R
2	U	7	E	H	Z
3	1	K	L	J	A
4	8	S	9	3	4
5	0	M	2	W	C

Below the grid, there's a "PLAYFAIR PLAINTEXT" input field with the text "N5VGRU7EHZ1KLJA8S9340M2WC". The "PLAYFAIR ENCODER" section includes a "PLAYFAIR PLAINTEXT" input field with the text "dCode PlayFair". The right sidebar contains a "Summary" section with a list of links, a "Similar pages" section with a list of links, a "Support" section with a list of links, and a "Forum/Help" section with a "DISCORD" button. The bottom of the page has a "Keywords" section with the text "playfair, play, fair, lord, game,".

```
vik@vik-Nitro-AN515-58:~$ nc mercury.picoctf.net 19354
Here is the alphabet: n5vgru7ehz1klja8s9340m2wcxbd6pqfitoy
Here is the encrypted message: hnjm2e4t51v16gsg104i4oi9wmrqli
What is the plaintext message?
```

```
vik@vik-Nitro-AN515-58:~$ python -c "print('RN5VNZU7EHA1KL148S93C0M2W2
> '.lower())"
```

Command 'python' not found, did you mean:

```
command 'python3' from deb python3
command 'python' from deb python-is-python3
```

```
vik@vik-Nitro-AN515-58:~$ python3 -c "print('RN5VNZU7EHA1KL148S93C0M2W2
'.lower())"
File "<string>", line 1
    print('RN5VNZU7EHA1KL148S93C0M2W2
          ^
```

SyntaxError: EOL while scanning string literal

```
vik@vik-Nitro-AN515-58:~$ python3 -c "print('RN5VNZU7EHA1KL148S93C0M2W2'.lower())"
rn5vnzu7eha1kl148s93c0m2w2
```

```
vik@vik-Nitro-AN515-58:~$ ^C
```

```
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Here is the encrypted message: hnjm2e4t51v16gsg104i4oi9wmrqli
What is the plaintext message? rn5vnzu7eha1kl148s93c0m2w2
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