

Crypto 100_1

```
Ciphertext: 52112515_4535_331534  
442315_321144422453_231143_543445  
213431313452_442315_5223244415_411112122444  
2533341325_2533341325_331534  
442315_21311122_2443_442315_4423244214_31243315
```

We got a cipher text that was five lines long and consisted of underscores and numbers from 1 to 5. With this information I was able to identify the cipher to have been created with Polybius square.

The original square according to Wikipedia is as follows:

	1	2	3	4	5
1	а	b	С	d	е
2	f	g	h	i/j	k
3	I	m	n	О	р
4	q	r	S	t	u
5	V	w	х	у	z

Each character is presented with two numbers. The first number shows the row and the second number shows the column of the character.

I wrote the following Python script to decipher the ciphertext:

```
x = int(word[num + 1])
plain.append(matrix[y - 1][x - 1])

plain.append('_')
plain[len(plain) - 1] = '\n'

print ''.join(plain)
```

The scipt printed the following plaintext:

```
wake_up_neo
the_matrix_has_you
follow_the_white_qabbit
knock_knock_neo
the_flag_is_the_third_line
```

Despite the printed text claiming that the flag is 'follow_the_white_qabbit', the real flag didn't have a typo. The flag accepted by the site was 'follow_the_white_rabbit'.

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