CA coding assignments.

[1] Brute Force Ciphers

Task: Create a single universal rotational cipher brute forcing tool.

Your cipher tool should read in the character sets you wish to use (dec for rot5, alpha for rot13 or caesar,all for rot47) and then the ciphertext you wish to brute force. Your tool should then print out all possible decodings of the ciphertext given.

In the example command line below "alpha" and "'VHFXUH'" are example arguments "alpha" means that you want to use an alphabetic character set. 'VHFXUH' is the ciphertext.

```
$ python brute.py alpha 'VHFXUH'
+1 UGEWTG
+2 TFDVSF
+3 SECURE
+4 RDBTQD
+5 QCASPC
...
```

Submission: Submit working, documented source code, write-up and sample output via Moodle link by **23:59 Sunday 27th October.** You may be asked to explain or defend your code.