

+++ BSL UMF - //TS//NOPORN//NONSA +++



Good Evening, Agent. We have a critical mission for you. Dastardly enemy spies are broadcasting geolocation coordinates of our key UK sites back to their base. We are able to intercept these broadcasts but we can't decipher them!

Our brave agents have managed to get hold of the encryption algorithm plus a set of coordinates. We need you to find flaws in their crypto and write a program that decrypts the broadcasts. Having something that decrypts them in an hour (or even a minute!) is no use to us. We need you to write a program that decrypts the messages as quickly as possible. Only the fastest programs will be declared winners.

Mission outline:

- Read through the enemy encryption algorithm and develop a way to decrypt the cipher text
- Write a program that receives a single ciphertext as a single argument and returns the 4th co-ordinate pair out of the twelve on standard out.
- Optimise the program to run as fast as possible

Rules:

- Entries will be tested on a Raspberry Pi running Raspbian (kernel version 3.10 released 2014-01-07)
- You can use any package or library on the stated Raspbian Version
- Entries must take the ciphertext as an argument and return the 4th geo-coordinate pair to stdout.
- A measure of success will be (% successful decryptions / time taken)

Determining winners:

- Each entry will be run against 10,000 random ciphertext encrypted with random keys. The total running time will be recorded.
- If the entry requires compiling, a makefile and a list of required libraries (which must be present in standard Raspbian) need to be included with the entry.

As always, should you or any of your U.M. Force be caught or killed, the Director will disavow any knowledge of your actions. This document will self-destruct in five seconds. You *did* disable macros before you opened it, didn't you?