

Cognozance Task -7

MARCH 6

Over the wire bandit game

By: Aks.vyshnavi



1. boJ9jbbUNNFktd78OOpsqOltutMc3MY1

```
bandit1@bandit:~  
bandit0@bandit:~$ ls -la  
total 16  
drwxr-xr-x 3 bandit0 bandit0 4096 Jan 10 16:27  
-rw-r--r-- 1 bandit0 bandit0  121 Jan 10 16:27 .bash_logout  
-rw-r--r-- 1 bandit0 bandit0  529 Jan 10 16:27 .bashrc  
-rw-r--r-- 1 bandit0 bandit0  161 Jan 10 16:27 .profile  
bandit0@bandit:~$ cat readme  
boJ9jbbUNNFktd78OOpsqOltutMc3MY1  
bandit0@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
  
appara@DESKTOP-CEE331P MINGW64 ~ (master)  
$ ssh bandit1@bandit.labs.overthewire.org -p 2220  
ssh: connect to host port 22: Connection refused  
  
appara@DESKTOP-CEE331P MINGW64 ~ (master)  
$ ssh bandit1@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit1@bandit.labs.overthewire.org's password:  
linux bandit.0tw.local 5.4.8 x86_64 GNU/Linux  
  
OverTheWire  
www.OverTheWire.org
```

2. CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9

```
bandit2@bandit:~  
bandit1@bandit:~$ ls -la  
total 16  
drwxr-xr-x 3 bandit1 bandit1 4096 Jan 10 16:27  
-rw-r--r-- 1 bandit1 bandit1  121 Jan 10 16:27 .bash_logout  
-rw-r--r-- 1 bandit1 bandit1  529 Jan 10 16:27 .bashrc  
-rw-r--r-- 1 bandit1 bandit1  161 Jan 10 16:27 .profile  
bandit1@bandit:~$ cat .bashrc  
cat: .bashrc: No such file or directory  
bandit1@bandit:~$ ls -la  
total 16  
drwxr-xr-x 3 bandit1 bandit1 4096 Jan 10 16:27  
-rw-r--r-- 1 bandit1 bandit1  121 Jan 10 16:27 .bash_logout  
-rw-r--r-- 1 bandit1 bandit1  529 Jan 10 16:27 .bashrc  
-rw-r--r-- 1 bandit1 bandit1  161 Jan 10 16:27 .profile  
bandit1@bandit:~$ cat ./-  
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9  
bandit1@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
  
appara@DESKTOP-CEE331P MINGW64 ~ (master)  
$ ssh bandit2@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit2@bandit.labs.overthewire.org's password:  
linux bandit.0tw.local 5.4.8 x86_64 GNU/Linux  
  
OverTheWire  
www.OverTheWire.org
```

3. UmHadQclWmgdLOKQ3YNgiWxGoRMb5luK

```
bandit3@bandit:~$ ls -a
. .bash_logout .bashrc .profile spaces in this filename
bandit2@bandit:~$ cat spaces in this filename
cat: spaces: No such file or directory
cat: in: No such file or directory
cat: this: No such file or directory
cat: filename: No such file or directory
bandit2@bandit:~$ cd spaces in this filename
bash: cd: too many arguments
bandit2@bandit:~$ ls spaces in this filename
ls: cannot access 'spaces': No such file or directory
ls: cannot access 'in': No such file or directory
ls: cannot access 'this': No such file or directory
ls: cannot access 'filename': No such file or directory
bandit2@bandit:~$ du spaces in this filename
du: cannot access 'spaces': No such file or directory
du: cannot access 'in': No such file or directory
du: cannot access 'this': No such file or directory
du: cannot access 'filename': No such file or directory
bandit2@bandit:~$ find spaces in this filename
find: 'spaces': No such file or directory
find: 'in': No such file or directory
find: 'this': No such file or directory
find: 'filename': No such file or directory
bandit2@bandit:~$ cat spaces in this filename
cat: spaces: No such file or directory
cat: in: No such file or directory
cat: this: No such file or directory
cat: filename: No such file or directory
bandit2@bandit:~$ cat spaces\ in\ this\ filename
umHadQclWmgdLOKQ3YNgiWxGoRMb5luK
bandit2@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
uppar@W0K5KTOP-CEE33IP-MINGW64 ~ (master)
$ ssh bandit3@bandit.labs.overthewire.org -p 2220
This is an OverTheWire game server. More information on http://www.overthewire.org/wargames
```

4. plwrPrtPN36QITSp3EQaw936yaFoFgAB

```
bandit3@bandit:~/inhere
* don't leave orphan processes running
* don't leave exploit-files laying around
* don't annoy other players
* don't post passwords or spoilers
* again, DONT POST SPOILERS!
  This includes writeups of your solution on your blog or website!

--[ Tips ]--

This machine has a 64bit processor and many security-features enabled
by default, although ASLR has been switched off. The following
compiler flags might be interesting:

-m32          compile for 32bit
-fno-stack-protector  disable ProPolice
-Wl,-z,norelro  disable relro

In addition, the execstack tool can be used to flag the stack as
executable on ELF binaries.

Finally, network-access is limited for most levels by a local
firewall.

--[ Tools ]--

For your convenience we have installed a few usefull tools which you can find
in the following locations:

* gef (https://github.com/hugsy/gef) in /usr/local/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/l0ng1d/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/gdbinit) in /usr/local/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/checksec.sh

--[ More information ]--

For more information regarding individual wargames, visit
http://www.overthewire.org/wargames/

For support, questions or comments, contact us through IRC on
irc.overthewire.org #wargames.

Enjoy your stay!

bandit3@bandit:~$ ls -a
. .bash_logout .bashrc inhere .profile
bandit3@bandit:~$ cd inhere\
> ls -a
. .bash_logout .bashrc inhere .profile
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls -a
. .bash_logout .bashrc inhere .profile
bandit3@bandit:~/inhere$ cat hidden
plwrPrtPN36QITSp3EQaw936yaFoFgAB
bandit3@bandit:~/inhere$
```

5. koReBOKuIDDepwhWk7jZC0RTdopnAYKh

```

bandit4@bandit:~/inhere$ ls -la
total 12
drwxr-xr-x 2 bandit4 bandit4 4096 Jan 10 15:00 .
drwxr-xr-x 3 bandit4 bandit4 4096 Jan 10 15:00 ..
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file00
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file01
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file02
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file03
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file04
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file05
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file06
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file07
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file08
-rw-r--r-- 1 bandit4 bandit4   10 Jan 10 15:00 file09
bandit4@bandit:~/inhere$ cat file00
cat: invalid option -- 'f'
Try 'cat --help' for more information.
bandit4@bandit:~/inhere$ cat file00
cat: file00: No such file or directory
bandit4@bandit:~/inhere$ cat -file00
cat: invalid option -- 'f'
Try 'cat --help' for more information.
bandit4@bandit:~/inhere$ find . -type f | xargs file
./file01: data
./file00: data
./file06: data
./file03: data
./file05: data
./file08: data
./file04: data
./file07: ASCII text
./file02: data
./file09: data
bandit4@bandit:~/inhere$ cat file07
cat: invalid option -- 'f'
Try 'cat --help' for more information.
bandit4@bandit:~/inhere$ cat -file07
koRe80KuIDepshwK7JZCORTdopnAYKh
bandit4@bandit:~/inhere$

```

6. DXjZPULLxYr17uwoI01bNLQbtFemEgo7

```

bandit6@bandit:~/inhere$ ls -la
total 12
drwxr-xr-x 2 bandit6 bandit6 4096 Jan 10 15:00 .
drwxr-xr-x 3 bandit6 bandit6 4096 Jan 10 15:00 ..
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere00
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere01
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere02
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere03
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere04
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere05
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere06
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere07
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere08
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere09
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere10
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere11
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere12
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere13
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere14
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere15
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere16
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere17
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere18
-rw-r--r-- 1 bandit6 bandit6   10 Jan 10 15:00 maybehere19
bandit6@bandit:~/inhere$ find . -type f -size 1033c | -executable
./maybehere07/.file2
bandit6@bandit:~/inhere$ cat ./maybehere07/.file2
DXjZPULLxYr17uwoI01bNLQbtFemEgo7
bandit6@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.

root@DESKTOP-CEE311P MINGW64 ~ (master)
$ bandit6@bandit.labs.overthewire.org -p 2220
bash: bandit6@bandit.labs.overthewire.org: command not found

root@DESKTOP-CEE311P MINGW64 ~ (master)
$ ssh bandit6@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit6@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

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www. ver he ire.org

```

7. HKBPTKQnlay4Fw76bEy8PVxKEDQRKTzs

```

# bandit@bandit:~$ find / -type f -perm -o-rwx -exec ls -la {} \;
find: /home/bandit219-gitt1: Permission denied
find: /home/bandit311-gitt1: Permission denied
find: /lost+found: Permission denied
find: /etc/ssl/private: Permission denied
find: /etc/polkitt-1/localautharity: Permission denied
find: /etc/lvm/archive: Permission denied
find: /etc/lvm/backup: Permission denied
find: /sys/fs/pstore: Permission denied
find: /proc/tty/driver: Permission denied
find: /proc/24317/stat/24317/dfinfo0: No such file or directory
find: /proc/24317/dfinfo05: No such file or directory
find: /group/css/ssh: Permission denied
find: /boot/lost+found: Permission denied
find: /tmp: Permission denied
find: /run/lvm: Permission denied
find: /run/screen/s-bandit1: Permission denied
find: /run/screen/s-bandit10: Permission denied
find: /run/screen/s-bandit29: Permission denied
find: /run/screen/s-bandit25: Permission denied
find: /run/screen/s-bandit30: Permission denied
find: /run/screen/s-bandit19: Permission denied
find: /run/screen/s-bandit28: Permission denied
find: /run/screen/s-bandit18: Permission denied
find: /run/screen/s-bandit20: Permission denied
find: /run/screen/s-bandit12: Permission denied
find: /run/screen/s-bandit15: Permission denied
find: /run/screen/s-bandit17: Permission denied
find: /run/screen/s-bandit16: Permission denied
find: /run/screen/s-bandit26: Permission denied
find: /run/screen/s-bandit24: Permission denied
find: /run/screen/s-bandit15: Permission denied
find: /run/screen/s-bandit14: Permission denied
find: /run/screen/s-bandit13: Permission denied
find: /run/screen/s-bandit10: Permission denied
find: /run/screen/s-bandit31: Permission denied
find: /run/screen/s-bandit17: Permission denied
find: /run/screen/s-bandit22: Permission denied
find: /run/screen/s-bandit21: Permission denied
find: /run/screen/s-bandit14: Permission denied
find: /run/screen/s-bandit13: Permission denied
find: /run/screen/s-bandit24: Permission denied
find: /run/screen/s-bandit23: Permission denied
find: /run/shm: Permission denied
find: /run/lock: Permission denied
find: /var/spool/cron: Permission denied
find: /var/spool/cron/crontabs: Permission denied
find: /var/spool/rysslog: Permission denied
find: /var/tmp: Permission denied
find: /var/lib/apt/lists/partial: Permission denied
find: /var/lib/polkitt-1: Permission denied
var/lib/dpkg/info/bandit2.password
find: /var/lo: Permission denied
find: /var/cache/apt/archives/partial: Permission denied
find: /var/cache/ldconf: Permission denied
bandit@bandit2:~$ cat /var/lib/dpkg/info/bandit2.password
bandit2:bandit2:600pxvXcXKtZxZ
bandit@bandit2:~$

```

8. [cvX2JJa4CFALtqS87jk27qwqGhBM9pIV](#)

```

bandit@bandit:~$
* USERNAMES are somegamel, somegame1, ...
* Most levels are stored in /somegame/.
* Passwords for each level are stored in /etc/somegame_passwd/.

write-access to homedirectories is disabled. It is advised to create a
write-directory with a hard-to-guess name in /tmp/. You can use the
command "mktemp -d" in order to generate a random and hard to guess
directory in /tmp/. Read-access to both /tmp/ and /proc/ is disabled so
that users can't snoop on eachothers' files and directories with
easily guessable or short names will be periodically deleted!

Please play nice:

* don't leave orphan processes running
* don't leave exploit-files laying around
* don't annoy other players
* don't post passwords or spoilers
* again, DONT POST SPOILERS!
This includes writeups of your solution on your blog or website!

--[ Tips ]--

This machine has a 64bit processor and many security-features enabled
by default, although ASLR has been switched off. The following
compiler flags might be interesting:

-m32           compile for 32bit
-fno-stack-protector  disable prologue
-wl,-z,norelro  disable reldr

In addition, the execstack tool can be used to flag the stack as
executable on ELF binaries.

finally, network-access is limited to most levels by a local
firewall.

--[ Tools ]--

For your convenience we have installed a few usefull tools which you can find
in the following locations:

* gcf (https://github.com/hugsy/gcf) in /usr/local/gcf/
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/longld/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/gdbinit) in /usr/local/gdbinit/
* pwnlibs (https://github.com/calliope1ed/pwnlibs)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/checksec.sh

--[ More Information ]--

For more information regarding individual wargames, visit
http://www.overthewire.org/wargames/

For support, questions or comments, contact us through IRC on
irc.overthewire.org #wargames.

Enjoy your stay!

bandit@bandit:~$ ls -la
.. .bash_logout .bashrc data.txt .profile
bandit@bandit:~$ ls strings data.txt | grep "million"
million | 1C0E2B4BCFAC1C5873k2Zqmgw9p3v
bandit@bandit:~$ exit

```

9. [UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR](#)

[illegible]

10.truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk

```
➤ bandit9@bandit -  
easily guessable or short names will be periodically deleted!  
  
Please play nice:  
  
* don't leave orphan processes running  
* don't leave exploit-files laying around  
* don't annoy other players  
* don't post passwords or spoilers  
* again, DON'T POST SPOILERS!  
This includes writeups of your solution on your blog or website!
```

--[Tips]--

This machine has a 64bit processor and many security-features enabled by default although ASLR has been switched off. The following compiler flags might be interesting:

```
-m32      compile for 32bit  
-fno-stack-protector  disable stackprotection  
-Wl,-z,norelro        disable RELRO
```

In addition, the execstack tool can be used to flag the stack as executable on ELF binaries.

Finally, network-access is limited for most levels by a local firewall.

--[Tools]--

For your convenience we have installed a few usefull tools which you can find in the following locations:

```
* gef (https://github.com/hugsy/gef) in /usr/local/gef/  
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/  
* peda (https://github.com/l0ngd/peda.git) in /usr/local/peda/  
* gdbinit (https://github.com/gdbinit/gdbinit) in /usr/local/gdbinit/  
* pwntools (https://github.com/gallopsled/pwntools)  
* radare2 (http://www.radare.org/r)  
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/checksec.sh
```

--[More information]--

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Enjoy your stay!

```
bandit9@bandit:~$ ls -la  
total 8  
drwxr-xr-x 2 root root 4096 Jan 17 19:58 .  
drwxr-xr-x 1 root root 4096 Jan 17 19:58 ..  
-rw-r--r-- 1 root root   14 Jan 17 19:58 .bash_logout  
-rw-r--r-- 1 root root 1473 Jan 17 19:58 .bashrc  
-rw-r--r-- 1 root root    0 Jan 17 19:58 .profile  
-rw-r--r-- 1 root root  114 Jan 17 19:58 strings_data.txt  
-rw-r--r-- 1 root root  114 Jan 17 19:58 strings_data.txt | grep ""
```

===== password =====
===== is =====
A=[t&E
ZdB
c=LAhu3G
ZF=s
TukLdjpb75g7yy2ZK2R0u3a5HqJFulk

```
S=a,H&A  
bandit9@bandit:~$
```

11.IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR

```
bandit10@bandit:~$  
* Most levels are stored in /somegame/.  
* PASSWORDS for each level are stored in /etc/somegame_pass/.  
  
write-access to homedirectories is disabled. It is advised to create a  
working directory with a hard-to-guess name in /tmp/. You can use the  
command "mktemp -d" in order to generate a random and hard to guess  
directory in /tmp/. Read-access to both /tmp/ and /proc/ is disabled  
so that users can not snoop on each other. Files and directories with  
easily guessable or short names will be periodically deleted!  
  
Please play nice:  
  
* don't leave orphan processes running  
* don't leave exploit-files laying around  
* don't annoy other players  
* don't post passwords or spoilers  
* again, DONT POST SPOILERS!  
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by default, although ASLR has been switched off. The following  
compiler flags might be interesting:  
  
-m32          compile for 32bit  
-fno-stack-protector  disable ProPolice  
-Wl,-z,norelro  disable relro  
  
In addition, the execstack tool can be used to flag the stack as  
executable on ELF binaries.  
  
Finally, network-access is limited for most levels by a local  
firewall.  
  
--[ Tools ]--  
  
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* gdbinit (https://github.com/gdbinit/gdbinit) in /usr/local/gdbinit/  
* pentools (https://github.com/gallopsled/pentools) in /usr/local/pentools/  
* radare2 (http://www.radare.org/) in /usr/local/bin/radare2  
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/checksec.sh  
  
--[ More Information ]--  
  
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irc.overthewire.org #wargames.  
  
Enjoy your stay!  
  
bandit10@bandit:~$ ls -la  
bandit10@bandit:~$ bashrc data.txt .profile  
bandit10@bandit:~$ cat data.txt  
vghI2hC3n3j3k1g1ZiE1dwt350dzlC4tU9wM015RnFEuXanhutkvVVBScg==  
bandit10@bandit:~$ base64 -d data.txt  
the password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR  
bandit10@bandit:~$
```

12.5Te8Y4drgCRfCx8ugdWuEX8KFC6k2EUu

```
bandit11@bandit:~$  
* USERNAMES are somegame0, somegame1, ...  
* Most LEVELS are stored in /somegame/.  
* PASSWORDS for each level are stored in /etc/somegame_pass/.  
  
write-access to homedirectories is disabled. It is advised to create a  
working directory with a hard-to-guess name in /tmp/. You can use the  
command "mktemp -d" in order to generate a random and hard to guess  
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* peda (https://github.com/longld/peda.git) in /usr/local/peda/  
* gdbinit (https://github.com/gdbinit/gdbinit) in /usr/local/gdbinit/  
* pentools (https://github.com/gallopsled/pentools) in /usr/local/pentools/  
* radare2 (http://www.radare.org/) in /usr/local/bin/radare2  
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/checksec.sh  
  
--[ More Information ]--  
  
For more information regarding individual wargames, visit  
http://www.overthewire.org/wargames/  
  
For support, questions or comments, contact us through IRC on  
irc.overthewire.org #wargames.  
  
Enjoy your stay!  
  
bandit11@bandit:~$ ls -la  
bandit11@bandit:~$ bashrc data.txt .profile  
bandit11@bandit:~$ cat data.txt  
5urCz4fBcV7-Sor8L4qetPSPKSHtgJnKkXSP6X2eh  
bandit11@bandit:~$
```

← → ↻ 🏠 📄 https://gchq.github.io/CyberChef/#recipe=ROT13(true,true,false,13)&input=R3VyIGNuZmZqYmVxIHZmlDVHJhMNHfdFBC1BrOGh0cWpoUks4WFNQNggyUkh0

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Operations



- r
- RC4
- ROT13
- ROT47
- RIPEMD
- Return
- Reverse
- RC4 Drop
- RSA Sign
- Register
- RSA Verify
- YARA Rules
- RC2 Decrypt
- RC2 Encrypt
- RSA Decrypt
- RSA Encrypt

Recipe 📄 🗑️ ⌛ ⏸️

ROT13

☒ Rotate lower case chars ☒ Rotate upper case chars ☐ Rotate numbers

Amount
13

STEP  Auto Bake 

Input length: 48 lines: 1 + 📄 🗑️ ⌛ ⏸️

Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh

Output time: 1ms length: 48 lines: 1 📄 🗑️ ⌛ ⏸️

The password is 5Te8Y4drngCRfCx8ugdwuEX8KFC6k2EUu

END