

six four over two

Description

Category Warmups

"I wanted to cover all the bases so I asked my friends what they thought, but they said this challenge was too basic..."

We get a file called (surprisingly) *sixfour* over_two to download. So let's see what we get when we open it.

```
EBTGYYLHPNQNTINLEGRSTOMDCMZRTIMBXGY2DKMJYGVSGIOJRGE2GMOLDGBSWM7IK
```

Using our favourite GCHQ CyberChef to decode, we use the magic recipe which gives us the flag straight away. The hints here are bases and 64 over 2 equals 32 (base32).

The screenshot shows the CyberChef interface with the 'Magic' recipe selected. The input field contains the string: EBTGYLHPNQNTINLEGRSTOMDCMZRTIMBXGY2DKMJYGVSGIOJRGE2GMOLDGBSWM7IK. The output field shows the result: flag{a45d4e70bfc407645185dd9114f9c0ef}.

We could also have worked through the Base** encoding schemes in bash:

```
$ echo
"EBTGYYLHPNQNTINLEGRSTOMDCMZRTIMBXGY2DKMJYGVSGIOJRGE2GMOLDGBSWM7IK" |
base64 -d
a<??8?1?S ?W??(?XT? ?QM?0???3?

$ echo
"EBTGYYLHPNQNTINLEGRSTOMDCMZRTIMBXGY2DKMJYGVSGIOJRGE2GMOLDGBSWM7IK" |
base32 -d
flag{a45d4e70bfc407645185dd9114f9c0ef}
```

Flag:

flag{a45d4e70bfc407645185dd9114f9c0ef}