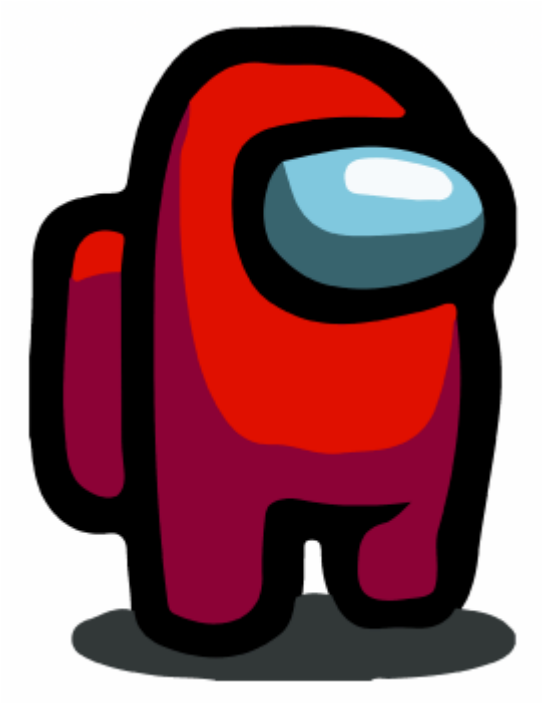
This is the image :



This is a stegano challenge. I used zsteg command, and I found this text file :

```
z4que@z4que /m/c/U/z/Desktop> zsteg sus.png
b1,r,lsb,xy         .. text: "GSKCWKGWKGWKCWKGGKGWKCWKCWKGGKCSKCWKCWKGKKCWKCSKCSKCKKCSKCWKGSKCKKGWKGWKGWKGGKGWKGWKCSKGGK
GOKGWKCWKGCKGSKCWKCWKCSKCWKCWKGOKCKKCWKGWKGSKCKKGCKGWKGSKGWKGWKGOKGWKGGKGOKGKKCWKGSKCWKCWKCSKCKKCWKCWKGOKCKKCKKCGKGSKCOK
COKGWKGSKGSKGWKGWKCKKGGKGWKCWKCWKGGKCWKCWKCSKG"
b1,g,lsb,xy         .. file: PEX Binary Archive
b1,rgb,lsb,xy       .. text: "41-0b-48-44-0e-48-41-0c-48-41-0a-48-40-5a-48-41-51-48-41-0a-48-40-5e-48-40-5c-48-41-51-48-
40-5f-48-40-5a-48-40-5e-48-45-58-48-40-5a-48-40-5f-48-44-0b-48-40-58-48-40-5d-48-44-0c-48-41-0d-48-40-58-48-41-0c-48-41-
0e-48-41-0c-48-41-51-48-41-0c-48-41-0a-48-40-5"
b1,bgr,lsb,xy       .. file: OpenPGP Secret Key
b3,abgr,msb,xy      .. file: MPEG ADTS, layer I, v2, 256 kbps, Monaural
b4,b,msb,xy         .. file: MPEG ADTS, layer I, v2, 112 kbps, 24 kHz, Monaural
z4que@z4que /m/c/U/z/Desktop>
```

I exported the text :

zsteg -E "b1,rgb,lsb,xy" sus.png > file.txt

Now, the request referred to **the impostor is sus**. The idea was to upload that code to **https://www.browserling.com/tools/xor-decrypt** and decrypt the code exported earlier by XORing, 4 times, with each word: **the, impostor, is, sus** :

```
41-0b-48-44-0e-48-41-0c-48-41-0a-48-40-5a-48-41-51-48-41-
0a-48-40-5e-48-40-5c-48-41-51-48-40-5f-48-40-5a-48-40-5e-
48-45-58-48-40-5a-48-40-5f-48-44-0b-48-40-58-48-40-5d-48-
44-0c-48-41-0d-48-40-58-48-41-0c-48-41-0e-48-41-0c-48-41-
51-48-41-0c-48-41-0a-48-40-5b-48-41-51-48-41-09-48-45-5e-
48-40-5c-48-41-50-48-45-5d-48-40-5a-48-40-5e-48-40-0b-48-
40-5a-48-40-5e-48-41-09-48-40-58-48-40-5c-48-41-0a-48-41-
0d-48-40-58-48-41-50-48-41-0e-48-41-0b-48-41-5c-48-41-0c-
48-41-09-48-45-5e-48-41-51-48-41-09-48-45-58-48-40-5c-48-
41-0b-48-40-5a-48-40-5a-48-40-5f-48-40-58-48-40-5a-48-40-
5e-48-41-09-48-40-58-48-40-58-48-44-51-48-41-0d-48-40-59-
48-44-09-48-41-0e-48-41-0b-48-41-5d-48-41-0c-48-41-0a-48-
40-58-48-41-51-48-41-0a-48-40-5e-48-40-5c-48-41-51-48-40-
```

```
5c-0f-5d-5b-42-59-5b-46-44-59-47-42-46-10-42-47-0c-40-45-
0d-5e-40-5d-5f-5d-59-5d-5b-43-59-5a-16-44-58-15-42-46-4c-
42-46-5a-40-44-5b-5e-40-58-5f-5c-54-5d-5a-16-59-5a-10-44-
5c-42-42-47-40-42-46-5a-40-40-09-5e-41-0a-5f-5c-55-5d-5b-
40-59-5b-46-44-59-42-42-43-10-42-47-0c-40-45-57-5e-40-0e-
5f-5d-59-5d-5b-41-59-5a-11-44-58-15-42-46-15-42-43-5e-40-
44-5b-5e-40-5e-5f-5c-0c-5d-5a-16-59-5a-10-44-59-46-42-47-
40-42-46-5a-40-45-5f-5e-41-0a-5f-5c-0f-5d-5e-44-59-5b-46-
44-59-47-42-46-4c-42-47-0c-40-45-0b-5e-45-5d-5f-5d-59-5d-
5b-43-59-5a-10-44-58-15-42-46-16-42-43-58-40-44-5b-5e-40-
58-5f-5c-54-5d-5a-16-59-5a-4a-44-5c-46-42-47-40-42-46-5a-
40-45-0b-5e-41-0a-5f-5c-0f-5d-5b-45-59-5b-46-44-59-41-42-
46-15-42-47-0c-40-45-0b-5e-45-5d-5f-5d-59-5d-5b-40-59-5a-
```

Password:

impostor

XOR Decrypt! Copy to clipboard (undo)

```
5b-41-44-47-5d-5e-5b-42-44-40-5d-5e-58-43-44-47-59-5e-5b-12-
44-43-0f-5e-58-43-44-42-0d-5e-58-4a-44-42-5c-5e-5a-17-44-41-
5a-5e-5b-46-44-43-50-5e-5b-17-44-47-58-5e-5d-12-44-40-5b-5e-
5b-11-44-47-59-5e-58-16-44-43-5d-5e-5b-46-44-41-5a-5e-5d-12-
44-43-5e-5e-5b-41-44-41-5c-5e-5d-12-44-42-51-5e-58-43-44-42-
50-5e-5a-11-44-43-5f-5e-5b-11-44-43-0f-5e-5a-12-44-43-50-5e-
58-45-44-42-0c-5e-59-40-44-47-5c-5e-5a-16-44-40-0b-5e-5d-46-
44-47-0c
```

Password:

is

XOR Decrypt! Copy to clipboard (undo)

```
22-44-21-34-10-40-2a-0f-10-1d-19-15-3d-23-25-09-2d-41-4a-32-
2b-40-1e-04-25-23-4a-07-22-25-4a-18-10-19-3b-06-2b-0f-3a-09-
16-1e-03-45-3e-3b-45-4e
```

Password:

sus

XOR Decrypt! Copy to clipboard (undo)

```
Q1RGe3YzcnlfNVVzX29GX3kwVV9tWV9mcjNuXzIzcmp0MH0=
```

And this is a Base64. I’m sure you can decode it

THE FLAG : CTF{v3ry_5Us_oF_y0U_mY_fr3n_23rjt0}
~Z4que