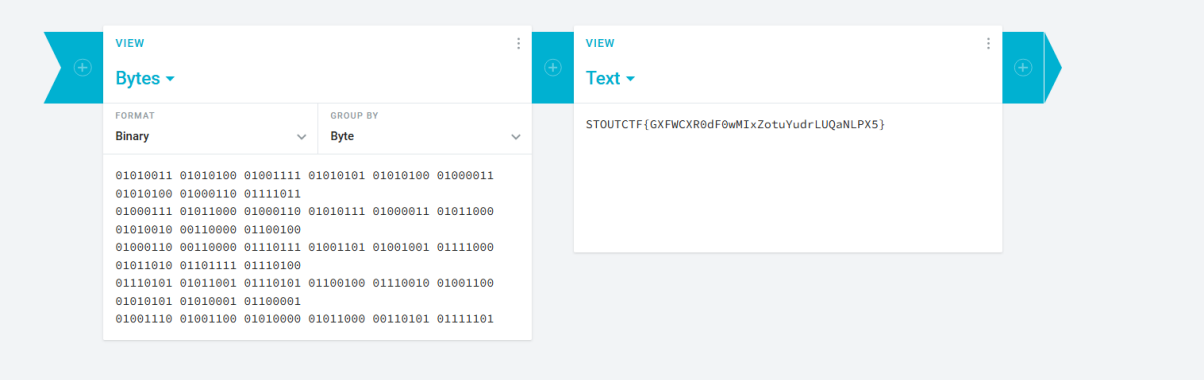
Question: BINARY

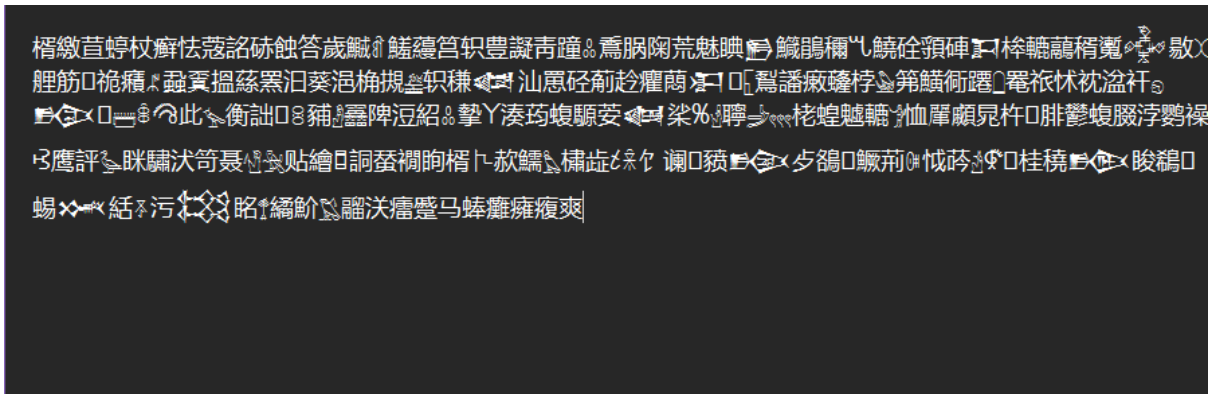
```
Is this binary exploitation?

01010011 01010100 01001111 01010101 01010100 01000011
01010100 01000110 01111011
01000111 01011000 01000110 01010111 01000011 01011000
01010010 00110000 01100100
01000110 00110000 01110111 01001101 01001001 01111000
01011010 01101111 01110100
01110101 01011001 01110101 01100100 01110010 01001100
01010101 01010001 01100001
01001110 01001100 01010000 01011000 00110101 01111101
```

I got this from description



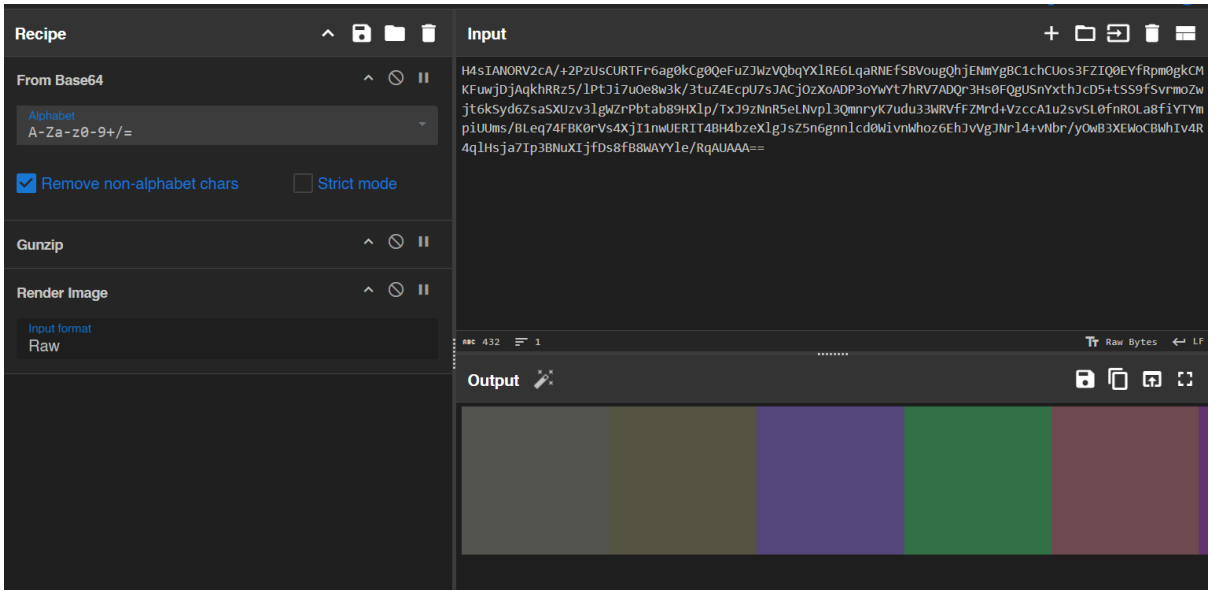
So I just went to binary decoder and got the flag
STOUTCTF{GXFWCXR0dF0wMIxZotuYudrLUQaNLPX5}

Question: BasePorts

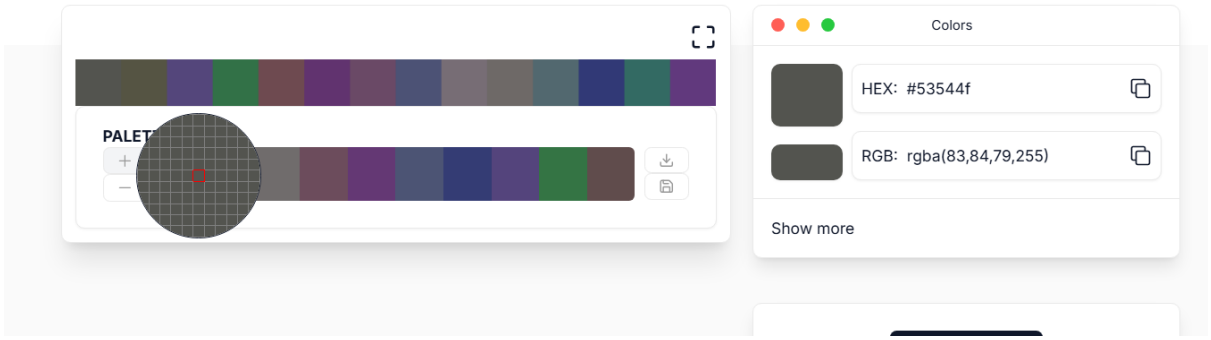


I got this from basedport.txt so I just went to go on a research adventure and see what base encoder uses Chinese character and I found one ! it was base65536

And it decoded to base64



So I went to cyberchef and it asked me to render it to image so I got the hex colours



After that I go to a hex colour identifier

Solve.py

```
# List of hex color codes provided by the user
hex_colors = [
    "#53544F", "#555443", "#54467B", "#327147", "#6E4A50",
    "#61336F", "#6A4966", "#4C5275", "#776D75", "#6E6967",
    "#52686F", "#313976", "#336A63", "#61397D"
]

# Convert hex color codes to characters by extracting RGB components
def hex_to_char(hex_code):
    # Remove '#' from the start of the hex code
    hex_code = hex_code[1:]
```

```
    # Split the hex code into three pairs (R, G, B)
    r, g, b = hex_code[:2], hex_code[2:4], hex_code[4:]

    # Convert each pair of hex digits to an integer
    r, g, b = int(r, 16), int(g, 16), int(b, 16)

    # Convert the RGB values to characters
    return chr(r) + chr(g) + chr(b)

# Apply the conversion to all hex color codes
char_representation = [hex_to_char(color) for color in hex_colors]

char_representation  # Output the result
```

Run and got the flag !!

STOUTCTF{2qGnJPa3ojIfLRuwmunigRh19v3jca9}

Question: Dots and Dashes

I got the dots and dashes from the description of the question so I just went to a morse decoder and got the flag
STOUTCTF{59W6TFAI76V3BSGAEUTFTWIZGXQRZKQI}

Question: Grass

From the picture given

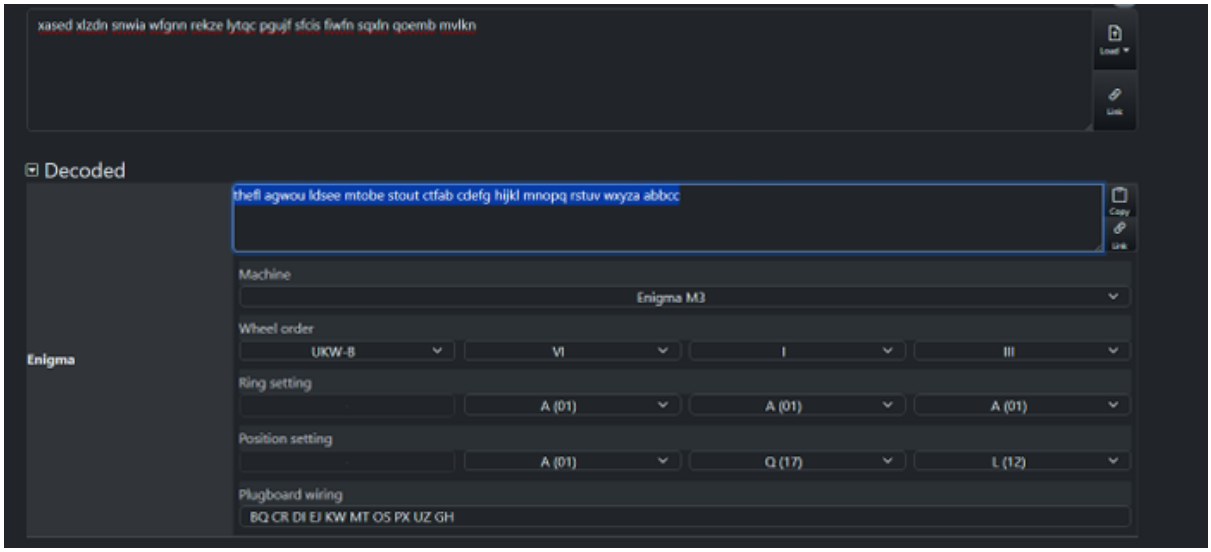
so it looks like a stereogram image. So I search for an online tool and found the flag

Flag: Morse Stress

Question: Make Alan Proud

```
xased xlzdn snwia wfgnn rekze lytqc pgujf sfcis fiwfn sqxln qoemb mvlkn
Settings as shown below:
3 Rotor Model Rotor 1: VI, Initial: A, Ring A Rotor 2: I, Initial: Q, Ring A
Rotor 3: III, Initial L, Ring A Reflector: UKW B Plugboard: BQ CR DI EJ KW MT OS
PX UZ GH
```

I got this from the description
and after some research I found that it is an enigma cipher



After some rearrange I got the flag !!
STOUTCTF{abcdefghijklmnopqrstuvwxyzaabbcc}