

Write-Up: Sus Patterns

Challenge Description

We were given an image containing strange geometric symbols and the following description:

A feather from Hedwig was found beside a parchment of shifting letters —
repeat her name wisely, and the message will reveal itself.
desc

Cipher text:

DHB{TOUHHYR0CA 1P BJKH}

Step 1: Identifying the First Cipher (Pigpen Cipher)

Search for a tool

★ 🔎 SEARCH A TOOL ON DCODE
e.g. type 'random'

★ BROWSE THE FULL DCODE TOOLS' LIST

Results

#N: Variants (see FAQ)

↑↓	↑↓
#0	HEDWIGISCUTE
#1	HEDWIGISCVTE
#2	HEDWIGIJCLKE
#5	OIGTQMSEWUI
#6	OIGTQMSEYUI
#4	PMLEQOQAKCBM
#3	URQJVTVFPHGR
#8	PJHSRNRTFV-J
#7	HED-IGI-C--E
# #9	

PIGPEN CIPHER

Cryptography > Substitution Cipher > Symbol Substitution > Pigpen Cipher

Learn more

PIGPEN DECODER

★ SYMBOLS OF THE PIGPEN ALPHABET (CLICK TO ADD)

J	U	L	G	O	C	T	N	R	S	B	E
D	Q	E	A	M	F	V	>	<	H	V	>
<	^										

★ PIG-PEN CIPHERTEXT

► DECRYPT

See also: [Transposition Cipher](#) | [Polyalphabetic Cipher](#) | [Ride-Ork Cipher](#)

The image provided contains geometric symbols made of grid and X-shaped structures. This pattern is characteristic of the **Pigpen Cipher**, also known as the Masonic cipher.

Steps:

1. Go to dcode.fr
2. Open **Pigpen Cipher Decoder**
3. Manually map each symbol from the image using the Pigpen chart.

After decoding the symbols from the image, we obtain the key:

HEDIWGISCUTE

This matches the hint in the description referencing Hedwig.

Step 2: Understanding the Hint

The description says:

| repeat her name wisely

This indicates:

- Use the decoded word as a key.
- Apply it repeatedly over the cipher text.
- The phrase "shifting letters" suggests a polyalphabetic cipher.

This strongly points toward the **Beaufort Cipher**.

Step 3: Beaufort Cipher Decryption

Cipher text:

DHB{TOUHHYR0CA_1P_BJKH}

Key (from Pigpen):

HEDIWGISCUTE

Steps:

1. Open **Beaufort Cipher** tool on dcode.fr.
2. Paste the cipher text.
3. Enter the key:

HEDIWGISCUTE

4. Select **Decrypt**.

The output is:

```
EXC{DUMBLED0RE_1S_DUMB}
```