

# BAT--Skippty Encryption

Friday, March 28, 2025 1:28 PM

"OVARHVVBKV" a very easy game. A game where you have to JUMP a lot and your opponent will be me, the JUMPing Champion of skippty town. Now why are you looking at me like that? What key are you talking about? I don't know any key, over here the only thing we do is JUMP.

Find the MD5 hash of the result and submit it. For example: Hello Jumper --> md5 = 1a308d7ad55d92367d56acce012e2ed4 the flag : BAT{1a308d7ad55d92367d56acce012e2ed4}

## Step 1: Identify the Keyword

- **Hint:** The word "JUMP" is mentioned multiple times.
- **Key:** JUMP

## Step 2: Identify the Cipher

The screenshot displays the dCode Cipher Identifier tool. On the left, under 'Results', dCode's analyzer suggests investigating several ciphers: Affine Cipher, Mono-alphabetic Substitution, Cipher Disk/wheel, Atbash Cipher, Base62 Encoding, PlayFair Cipher, and Wolseley Cipher. On the right, the 'ENCRYPTED MESSAGE IDENTIFIER' section shows the ciphertext 'OVARHVVBKV' entered into the 'CIPHERTEXT TO RECOGNIZE' field. Below this, there is a field for 'CLUES/KEYWORDS (IF ANY)' and an 'ANALYZE' button. Links for 'Frequency Analysis', 'Index of Coincidence', and 'Symbols Identifier' are also visible.

- After using the cipher identifier tool, many possible ciphers were suggested. However, none of the suggested ciphers required a private key and didn't provide any usable results.
- This led to the conclusion that the **Playfair cipher** must be used, as it requires a keyword, which is hinted at in the description.



# PLAYFAIR CIPHER

Cryptography › Polygrammic Cipher › PlayFair Cipher

Search for a tool

★ SEARCH A TOOL ON DCode BY KEYWORDS:  
e.g. type 'boolean'

★ BROWSE THE FULL DCode TOOLS' LIST

Results

**HOPSCOTCHX**

## PLAYFAIR DECODER

★ PLAYFAIR CIPHERTEXT (?)  
OVARHVVBKV

★ PLAYFAIR GRID

J	U	M	P	A
B	C	D	E	F
G	H	I	K	L
N	O	Q	R	S
T	V	W	X	Y

JUMPABCDEFGHIKLNQIRSTVWXY

★ SHIFT IF SAME ROW Cell on the left ← (Encryption with right cell →) ▾  
 ★ SHIFT IF SAME COLUMN Cell above ↑ (Encryption with below cell ↓) ▾  
 ★ ORDER OF LETTER ELSEWHERE Same row as letter 1 first ▾

► DECRYPT PLAYFAIR

► BRUTEFORCE DECRYPTION ATTACK WITH THE GRID

PlayFair Cipher - dCode

Tag(s) : Polygrammic Cipher, GRID\_CIPHER

Share

去掉 J、U、M、P 之后，剩下的字母按顺序排列如下：

ABCDEFGHIKLNQIRSTVWXYZ

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Last build: 3 years ago

Options About / Support

**Operations**

- md5
- MD5**
- MD4
- SHA3
- Favourites
- Data format
- Encryption / Encoding
- Public Key
- Arithmetic / Logic
- Networking
- Language
- Utils
- Date / Time
- Extractors
- Compression
- Machine

**Recipe**

MD5

STEP **BAKE!** Auto Bake

**Input**

length: 10  
lines: 1

HOPSCOTCHX

**Output**

start: 32 end: 32 length: 32  
length: 0 length: 0 lines: 1

a7a13d17fbc3bc356f152984821323bd