Task 1 Translation & Shifting
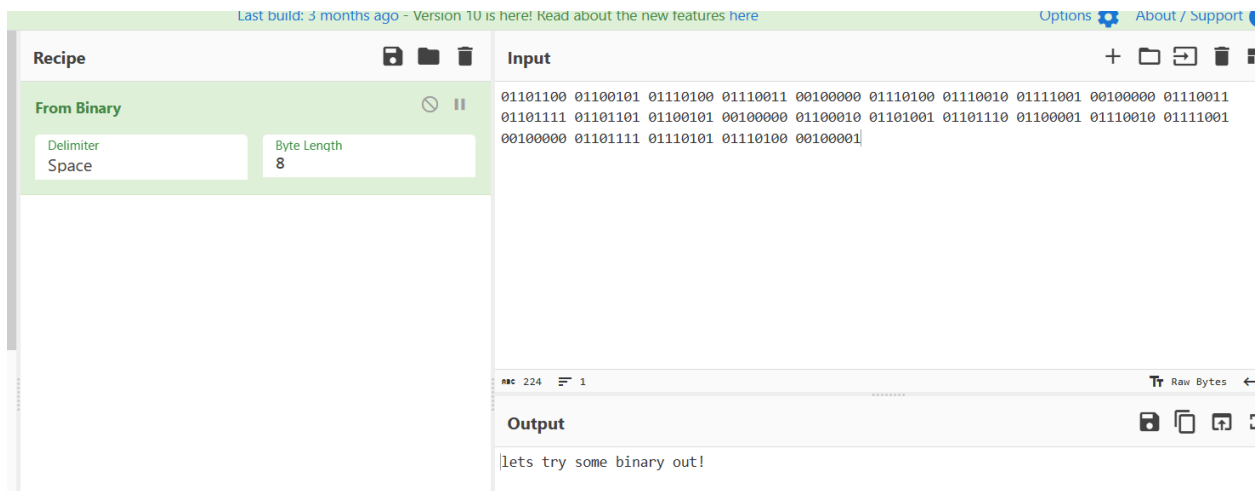
c4n y0u c4p7u23 7h3 f149?

➔ can you capture the flag?

01101100 01100101 01110100 01110011 00100000 01110100 01110010
01111001 00100000 01110011 01101111 01101101 01100101 00100000
01100010 01101001 01101110 01100001 01110010 01111001 00100000
01101111 01110101 01110100 00100001

➔ lets try some binary out!

```
MJQXGZJTGIQGS4ZAON2XAZLSEBRW63LNN5XCA2LOEBBVIRRHOM======
```

ABC 56 ☰ 1   Tт Raw Bytes ← LF

Output

Recipe (click to load)	Result snippet	Properties

From_Base32('A-Z2-7=',false)	base32 is super common in CTF's	Possible languages:
		    English
		    Catalan
		    Italian
		    French
		Matching ops: From Hexdump
		Valid UTF8
		Entropy: 4.00

	MJQXGZJTGIQGS4ZAON2XAZLSEBRW6 3LNN5XCA2LOEBBVIRRHOM======	Matching ops: From Base32, From Base64, From Base85 Valid UTF8

MJQXGZJTGIQGS4ZAON2XAZLSEBRW63LNN5XCA2LOEBBVIRRHOM======
=

➔ base32 is super common in CTF's
RWFjaCBCYXNlNjQgZGlnaXQgcmVwcmVzZW50cyBleGFjdGx5IDYgYml0cyBv
ZiBkYXRhLg==

CR

RWFjaCBCYXNlNjQgZGlnaXQgcmVwcmVzZW50cyBleGFjdGx5IDYgYml0cyBvZiBkYXRhLg==

ABC 74 ☰ 2   Tт Raw Bytes ↵ LF

Output

Recipe (click to load)	Result snippet	Properties
From_Base64('A-Za-z0-9+/=',true,false)	Each Base64 digit represents exactly 6 bits of data.	Possible languages: Catalan English Portuguese

➔ Each Base64 digit represents exactly 6 bits of data.

Recipe

Magic   ⊘ ‖

Depth
3   ☐ Intensive mode

☐ Extensive language support

Crib (known plaintext string or regex)

Input   + ☐ ⊅ 🗑 ▬

68 65 78 61 64 65 63 69 6d 61 6c 20 6f 72 20 62 61 73 65 31 36 3f

ABC 65 ☰ 1   Tт Raw Bytes ↵

Output

Recipe (click to load)	Result snippet	Properties
From_Hex('Space')	hexadecimal or base16? D	Valid UTF8 Entropy: 3.94
	68 65 78 61 64 65 63 69 6d 61 6c 20 6f 72 20 62 61 73 65 31 36 3f	Matching ops: From Hex, From Hexdump Valid UTF8 Entropy: 3.04

68 65 78 61 64 65 63 69 6d 61 6c 20 6f 72 20 62 61 73 65 31 36 3f

➔ hexadecimal or base16?

Recipe	🖫 📁 🗑	Input

ROT13   ⊘ ‖

☑ Rotate lower case chars   ☑ Rotate upper case chars

☐ Rotate numbers   **Amount** 13

Input: `Ebgngr zr 13 cynprf!`

ᴬᴮᶜ 20   ☰ 1

Output

`Rotate me 13 places!`

Ebgngr zr 13 cynprf!

-> Rotate me 13 places!

Recipe	🖫 📁 🗑	Input

ROT47   ⊘ ‖

Amount 47

Input: `*@F DA:? >6 C:89E C@F?5 323J C:89E C@F?5 Wcf E:>6DX`

ᴬᴮᶜ 51   ☰ 1

Output

`You spin me right round baby right round (47 times)`

*@F DA:? >6 C:89E C@F?5 323J C:89E C@F?5 Wcf E:>6DX

-> You spin me right round baby right round (47 times)

Recipe

From Morse Code

Letter delimiter	Word delimiter
Space	Line feed

Input

```
- . .-.. . -.-. --- -- -- ..- -. .. -.-. .- - .. --- -.
. -. -.-. --- -.. .. -. --.
```

Output

TELECOMMUNICATION ENCODING

```
- . .-.. . -.-. --- -- -- ..- -. .. -.-. .- - .. --- -.

. -. -.-. --- -.. .. -. --.
```

➔ TELECOMMUNICATION ENCODING

```
85 110 112 97 99 107 32 116 104 105 115 32 66 67 68
```

ABC 51 ☰ 1   Tr Raw Bytes ← LF

Output   💾 🗐 🔼 ⛶

Recipe (click to load)	Result snippet	Properties
From_Decimal('Space',false)	Unpack this BCD **D**	Valid UTF8 Entropy: 3.77
	85 110 112 97 99 107 32 116 104 105 115 32 66 67 68	Matching ops: From Base64, From Decimal, From Hexdump Valid UTF8 Entropy: 3.05

85 110 112 97 99 107 32 116 104 105 115 32 66 67 68

➔ Unpack this BCD

LS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0KLS0t
LS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLi0tLS0KLS0tLS0g
LS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi
0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tL
S0gLS0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0t
LS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLS0tLS0gLi0tL
S0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0
gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0t
LS0gLS0tLS0gLi0tLS0gLS0tLS0gLi0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0
gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLi0tL
S0gLS0tLS0gLS0tLS0gLi0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS
0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0g
LS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS
0gLS0tLS0gLS0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0g
```

LS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0t
LS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS
0gLi0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0g
LS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS
0tLS0KLS0tLS0gLi0tLS0gLS0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0K
LS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0t
LS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tL
S0gLi0tLS0gLi0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0g
Li0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0KLS0tLS0gLS0t
LS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS
0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0g
LS0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0
gLS0tLS0gLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS
0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0KLS0tLS0gLS
0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0g
gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tL
0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLS0tLS0g
Li0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0t
LS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS
0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0g
Li0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0g
gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0KLS0tLS0gLi0tLS
0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0g
LS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0
0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0KLS0tLS
0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0g
Li0tLS0gLi0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0
LS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS
0gLi0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gL

S0tLS0gLi0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0gLS0gLS0gLS0gLS0gLS0gLS0t
LS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLi0tLS0gLS0gLS0gLS0gLS0
gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0gLS0gLi0tLS0gLi0tLS0gLi0t
LS0KLS0tLS0gLi0tLS0gLS0tLS0gLS0gLS0gLS0gLS0gLS0gLS0gLS0t
S0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0gLS0gLS0gLS0gLS0gLS0tLS0
KLS0tLS0gLi0tLS0gLS0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tL
S0gLi0tLS0gLi0tLS0gLS0tLS0gLS0gLi0tLS0gLS0tLS0gLS0KLS0tLS0g
LS0tLS0gLi0tLS0gLS0tLS0gLS0gLS0gLS0gLS0gLS0tLS0KLS0tLS0gLi
0tLS0gLi0tLS0gLS0tLS0gLS0gLS0gLS0gLS0gLS0tLS0KLS0gLi0tL
S0gLi0tLS0gLS0tLS0gLS0gLS0gLS0gLS0gLS0tLS0KLS0gLi0tLS0
gLi0tLS0gLS0tLS0gLi0tLS0gLS0gLi0tLS0KLS0gLS0tLS0gLi0
tLS0gLS0tLS0gLS0gLS0tLS0gLS0tLS0KLS0gLi0tLS0gLi0tLS
0gLS0tLS0gLS0gLi0tLS0gLS0tLS0KLS0gLi0tLS0gLi0tLS0gL
S0tLS0gLS0gLS0gLi0tLS0KLS0gLS0tLS0gLS0gLi0tLS0gLS0t
LS0gLS0gLS0gLS0gLS0tLS0KLS0gLi0tLS0gLi0tLS0gLS0tLS
0gLS0tLS0gLS0gLS0tLS0KLS0gLi0tLS0gLi0tLS0gLS0tLS0g
LS0tLS0gLS0gLS0gLS0gLi0tLS0KLS0gLi0tLS0gLi0tLS0gLS0gLS
0tLS0gLi0tLS0gLi0tLS0gLS0KLS0gLS0tLS0gLi0tLS0gLi0tLS0g
LS0tLS0gLS0gLS0gLi0tLS0KLS0KLS0gLS0tLS0gLi0tLS0gLS0t
LS0gLS0gLS0gLS0gLS0gLS0tLS0KLS0KLS0gLi0tLS0gLi0tLS0g
LS0gLS0gLi0tLS0gLS0gLS0gLS0KLS0KLS0gLi0tLS0gLi0tLS0g
LS0gLS0gLi0tLS0gLS0gLS0gLS0KLS0KLS0t
LS0gLS0tLS0gLi0tLS0gLS0gLS0gLS0gLS0KLS0KLS0tL
S0gLi0tLS0gLi0tLS0gLS0gLi0tLS0gLS0KLS0KLS0t
LS0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0gLi0tLS
0gLi0tLS0gLi0tLS0gLS0tLS0gLi0tLS0KLS0gLS0tLS0gLi
0tLS0gLS0gLi0tLS0gLi0tLS0gLS0KLS0gLS0tLS0gLS0gL
S0gLS0gLS0gLS0gLS0tLS0KLS0gLi0tLS0gLS0tLS0KLS0tL
S0gLi0tLS0gLS0tLS0gLi0tLS0gLi0tLS0KLS0gLi0tL
S0gLi0tLS0gLi0tLS0gLi0tLS0KLS0gLi0tLS0gLi0tL
S0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gL
S0tLS0gLS0tLS0gLS0tLS0gLS0tL
S0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tL
S0gLS0tLS0gLS0gLi0tLS0gLS0gLS0gLS0tLS0gLi0tL
S0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0t
LS0gLS0tLS0KLS0gLS0tLS0gLS0gLS0gLS0tLS0KLS0gLi0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gL
S0tLS0KLS0gLS0tLS0KLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi
0tLS0gLi0tLS0KLS0gLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0gLS0tLS0gLi
0tLS0gLS0gLS0tLS0gLS0gLS0gLi0tLS0gLi0tL
S0gLS0tLS0gLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0
0gLi0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0gLi0tLS0gLi0tLS0gLi0tLS0gLS0tL
S0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tL
S0gLi0tLS0KLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0gLS0tLS0gL
S0tLS0gLS0tLS0gLS0tLS0gLi0tL
S0gLi0tLS0gLi0tLS0gLi0tLS0KLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tL
S0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0gLS0tLS0gLS0gLS0tLS0
gLS0tLS0gLS0tLS0KLS0tLS0gLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tL
S0gLS0tLS0gLS0tLS0KLS0gLS0tLS0gLS0tLS0KLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0t
LS0gLS0tLS0gLS0gLi0tLS0gLS0gLS0gLS0gLS0gLi
gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tL

0tLS0gLi0tLS0KLS0tLS0gLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tL
S0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS0g
Li0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLi0tL
S0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS
0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLi0tLS0KLS
0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLi0tLS0KLS0tLS
0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0g
Li0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tL
S0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLi0tLS0=

LS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0KLS0gLi0tLS0gLi0tLS0gLS0tLS
0gLS0tLS0gLi0tLS0gLS0tLS0gLi0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0t
LS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLS0tLS0gLi0tLS0gLi
0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0g
LS0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS
0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLi0tL
S0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0t
LS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0t
LS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi
0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS
0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0KLS0tLS
0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0t

ABC 7488    ☰  1                                                    Tr  Raw Bytes  ↵ LF

**Output**                                                    💾 🗐 🔼 ⛶

| Recipe (click to load) | Result snippet | Properties |
|---|---|---|
| From_Base64('A-Za-z0-9+/=',true,false) From_Morse_Code('Space','Line feed') | 01100110 01100101 00100000 01100000 01011111 01100000 00100000 01100000 01100000 01100101 001000... | Matching ops: From Base64, From Binary, From Hexdump Valid UTF8 Entropy: 1.32 |
| From_Base64('A-Za-z0-9+\\-=',true,false) From_Morse_Code('Space','Line feed') | 01100110 01100101 00100000 01100000 01011111 01100000 00100000 01100000 01100000 01100101 001000... | Matching ops: From Base64, From Binary, From Hexdump Valid UTF8 Entropy: 1.32 |
| From_Base64('A-Za-z0-9+/=',true,false) | ----- .---- .---- ----- ---- - .---- .---- -----LF----- .-- | Matching ops: From Morse Code Valid UTF8 |

| | | |
|---|---|---|
| From_Base64('A-Za-z0-9+/=',true,false) | ----- .---- .---- ----- ---- <br> - .---- .---- -----**LF**----- .-- <br> -- .---- ----- ----- .---- -- <br> --- .----**LF**... | Matching ops: From Morse Code <br> Valid UTF8 <br> Entropy: 1.03 |
| From_Base64('A-Za-z0-9+\\-=',true,false) | ----- .---- .---- ----- ---- <br> - .---- .---- -----**LF**----- .-- <br> -- .---- ----- ----- .---- -- <br> --- .----**LF**... | Matching ops: From Morse Code <br> Valid UTF8 <br> Entropy: 1.03 |
| From_Base64('A-Za-z0-9+/=',true,false) <br> From_Morse_Code('Space','Line feed') | fe `_` ``e bh ``d ba `_h hf <br> `_f `_` ba ``e `_c `_d ``d <br> ba hf ba hg `_d ``e ba ``e <br> ``c ` d hh ` f... | Matching ops: From Hexdump <br> Valid UTF8 <br> Entropy: 2.95 |
| From_Base64('A-Za-z0-9+\\-=',true,false) <br> From_Morse_Code('Space','Line feed') <br> From_Binary('Space') | fe `_` ``e bh ``d ba `_h hf <br> `_f `_` ba ``e `_c `_d ``d <br> ba hf ba hg `_d ``e ba ``e <br> ``c `_d hh `_f... | Matching ops: From Hexdump <br> Valid UTF8 <br> Entropy: 2.95 |
| | LS0tLS0gLi0tLS0gLi0tLS0gLS0tL <br> S0gLS0tLS0gLi0tLS0gLi0tLS0gLS <br> 0tLS0KLS0tLS0gLi0tLS0gLi0tLS0 <br> gLS0tLS0g... | Matching ops: From Base64, <br> From Base85 <br> Valid UTF8 <br> Entropy: 2.48 |

Last build: 3 months ago - Version 10 is here! Read about the new features here    Options ⚙    About / Support ❓

**Recipe**  💾 📁 🗑

**From Base64**  ⊘ ❚❚

Alphabet
A-Za-z0-9+/=   ▾

☑ Remove non-alphabet chars    ☐ Strict mode

**From Morse Code**  ⊘ ❚❚

Letter delimiter          Word delimiter
Space                     Line feed

**From Binary**  ⊘ ❚❚

Delimiter                 Byte Length
Space                     8

**ROT47**  ⊘ ❚❚

Amount
47

**From Decimal**  ⊘ ❚❚

Delimiter

**Input**  + 📁 ⤴ 🗑 ▬

LS0tLS0gLi0tLS0gLi0tLS0gLS0gLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS
0gLS0tLS0gLi0tLS0gLS0gLi0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0t
LS0KLS0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0g
0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0g
LS0tLS0KLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS
0gLS0tLS0KLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLi0tLS0KLS0tLS0gLi0tLS0g
Li0tLS0gLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLS0tLS0gLS0tLS0KLS0tLS0gLS0tLS
0gLi0tLS0gLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLi0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0g
LS0tLS0KLS0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0tLS0gLS0tLS0gLi0tLS0gLS0tLS0KLS0tLS0gLi0tLS0gLi0tLS0gLS0KLS0tLS

🔤 7488   ☰ 1                                          𝐓𝐫 Raw Bytes  ↩ LF

**Output**  💾 📋 🗔 ⛶

Let's make this a bit trickier...|

➔

# Task 2  Spectrograms

 spectrogram is a visual representation of the spectrum of frequencies of a signal as it varies with time. When applied to an audio signal, spectrograms are

sometimes called sonographs, voiceprints, or voicegrams. When the data is represented in a 3D plot they may be called waterfalls.





*Answer the questions below*
> → Super Secret Message

Steganography

Steganography is the practice of concealing a file, message, image, or video within another file, message, image, or video.

```
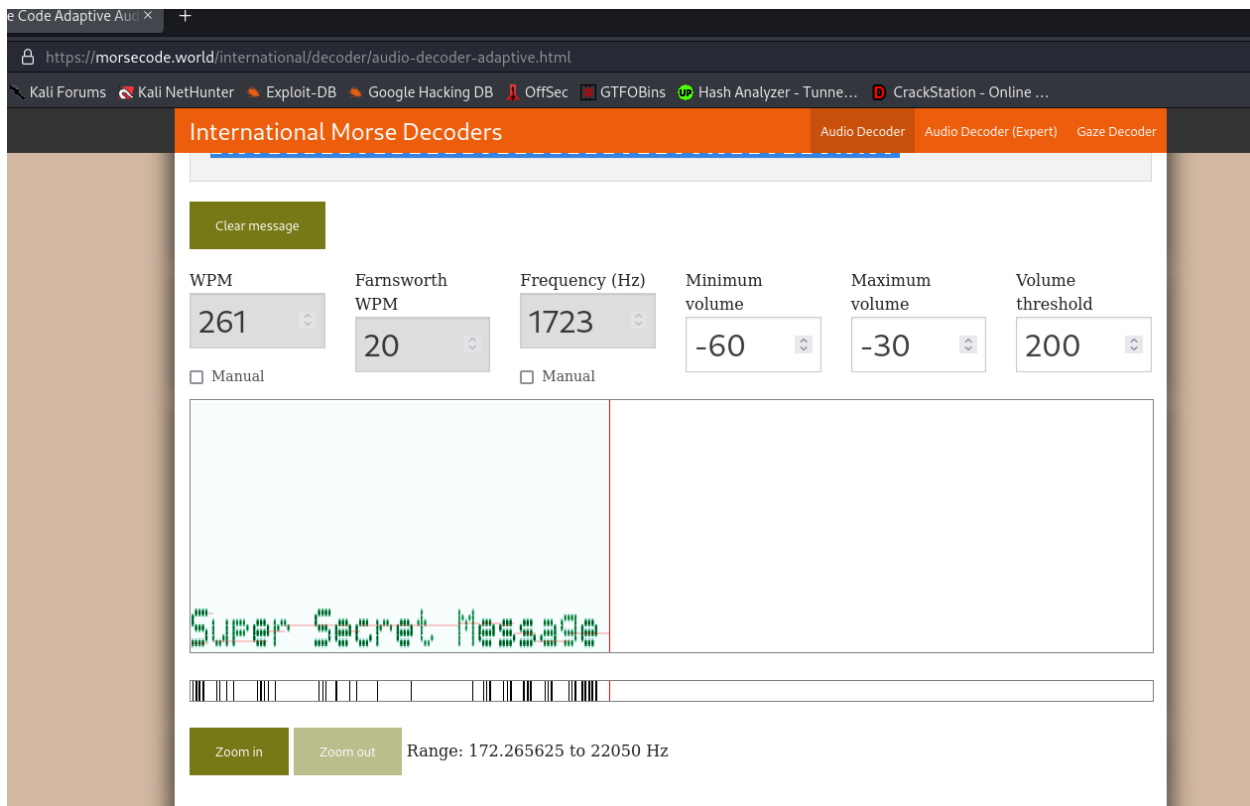┌──(root㉿kali)-[/home/kali/Downloads]
└─# file stegosteg.jpg
stegosteg.jpg: JPEG image data, JFIF standard 1.01, resolution (DPI), density 96×96, segment length 16, baseline, p
recision 8, 254×343, components 3
```

```
recision 8, 254×343, components 3

┌──(root㉿kali)-[/home/kali/Downloads]
└─# strings stegosteg.jpg
JFIF
$3br
%&'()*456789:CDEFGHIJSTUVWXYZcdefghijstuvwxyz
       #3R
&'()*56789:CDEFGHIJSTUVWXYZcdefghijstuvwxyz
u-g[
.GN?
```

```
┌──(root㉿kali)-[/home/kali/Downloads]
└─# steghide extract -sf stegosteg.jpg
Enter passphrase:
wrote extracted data to "steganopayload2248.txt".

┌──(root㉿kali)-[/home/kali/Downloads]
└─# cat steganopayload2248.txt
SpaghettiSteg

┌──(root㉿kali)-[/home/kali/Downloads]
└─#
```

Answer the questions below
Decode the image to reveal the answer.

➔ SpaghettiSteg

Task 4

Security through obscurity is the reliance in security engineering on the secrecy of the design or implementation as the main method of providing security for a system or component of a system.

```
┌──(root㉿kali)-[/home/kali/Downloads]
└─# file meme.jpg
meme.jpg: JPEG image data, JFIF standard 1.01, resolution (DPI), density 72×72, segment length 16, Exif Standard: [
TIFF image data, big-endian, direntries=1, orientation=upper-left], baseline, precision 8, 492×471, components 3
```

```
┌──(root㉿kali)-[/home/kali/Downloads]
└─# strings meme.jpg
JFIF
"Exif
$3br
%&'()*456789:CDEFGHIJSTUVWXYZcdefghijstuvwxyz
```

```
{@84
2$Es
i2Mc
IEND
"AHH_YOU_FOUND_ME!"
hackerchat.png
```

Answer the questions below

Download and get 'inside' the file. What is the first filename & extension?

> ➔ hackerchat.png

Get inside the archive and inspect the file carefully. Find the hidden text

> ➔ AHH_YOU_FOUND_ME!