

## Problem: Crypto#1 “-.-”

To 1337-H4X0R:

Our coworker Bob loves a good classical cipher. Unfortunately, he also loves to send everything encrypted with these ciphers. Can you go ahead and decrypt this for me?

Attachment flag.txt

Difficulty: easy

by Julia

dah-dah-dah-dah-dah dah-di-di-dah di-di-di-di-dit dah-dah-di-di-dit dah-dah-di-di-dit dah-dah-dah-dah-  
dah di-di-dah-dah-dah di-dah dah-di-di-di-dit dah-di-dah-dit di-di-di-di-dit dah-dah-dah-di-dit dah-dah-  
di-di-dit di-di-di-di-dah di-di-di-di-dah dah-dah-di-di-dit di-di-di-di-dit di-dah-dah-dah-dah di-di-di-dah-  
dah dah-dah-dah-di-dit dah-di-di-di-dit di-di-di-di-dit di-di-di-dah-dah dah-dah-dah-di-dit dah-dah-di-di-  
dit di-dah-dah-dah-dah dah-di-di-di-dit dit dah-di-di-di-dit dah-di-dit di-di-di-di-dah dah-di-dit di-di-di-  
di-dit dah-dah-dah-dah-dit di-di-di-di-dit di-di-di-di-dit di-di-dah-dah-dah di-dah dah-dah-di-di-dit di-di-  
di-dah-dah dah-dah-di-di-dit dah-di-di-di-dit di-di-di-di-dah dah-di-di-di-dit di-di-di-di-dah dah-dah-dah-  
di-dit dah-di-di-di-dit dah-di-di-dit dah-di-di-di-dit di-dah di-di-di-di-dah dah-dah-dah-dah-dit dah-dah-  
di-di-dit di-di-di-di-dah di-di-dah-dah-dah di-dah di-di-di-di-dit di-di-dah-dah-dah di-di-di-di-dit di-dah-  
dah-dah-dah di-di-dah-dah-dah dah-di-di-di-dit di-di-di-di-dah di-dah dah-dah-di-di-dit dah-dah-dah-  
dah-dah di-di-di-di-dit di-dah dah-dah-di-di-dit dah-di-di-di-dit dah-di-di-di-dit di-dah dah-di-di-di-dit  
dah-di-dit di-di-dah-dah-dah di-dah-dah-dah-dah di-di-dah-dah-dah di-di-di-di-dit di-di-dah-dah-dah di-  
di-di-di-dit di-di-di-di-dah dah-di-di-dit di-di-di-di-dah di-di-di-di-dah dah-di-di-di-dit dah-di-di-dit dah-  
di-di-di-dit dah-di-di-di-dit dah-dah-di-di-dit dah-dah-dah-dah-dah di-di-dah-dah-dah di-di-di-dah-dah  
di-di-di-di-dit dit di-di-di-di-dah dit di-di-di-dah-dah dah-dah-dah-dah-dit dah-di-di-di-dit dah-di-di-di-dit  
dah-di-di-di-dit dah-di-di-dit di-di-di-dah-dah di-di-di-di-dah dah-di-di-di-dit di-di-di-di-dah di-di-di-di-dit  
di-di-di-di-dit di-di-di-dah-dah di-di-di-di-dah dah-di-di-di-dit dah-di-dah-dit di-di-di-di-dah di-di-di-di-dit  
di-dah di-di-di-di-dah dah-di-dit dah-dah-di-di-dit dah-di-di-di-dit di-di-dah-dah-dah di-di-dah-dah-dah  
di-di-di-di-dit di-di-dah-dah-dah di-di-di-di-dit di-di-di-di-dah dah-di-di-di-dit dah-dah-di-di-dit di-dah di-  
di-di-di-dah dah-dah-di-di-dit di-di-dah-dah-dah dah-dah-dah-dah-dah dah-di-di-di-dit dah-dah-di-di-dit  
dah-di-di-di-dit dah-dah-dah-dah-dit dah-di-di-di-dit dah-dah-di-di-dit dah-di-di-di-dit di-di-di-di-dit dah-  
di-di-di-dit dah-di-dit dah-dah-di-di-dit dah-di-di-dit di-di-di-di-dah di-di-di-dah-dah di-di-di-dah-dah di-  
dah-dah-dah-dah dah-di-di-di-dit dah-dah-dah-dah-dit dah-di-di-di-dit di-di-di-dah-dah di-di-di-di-dah  
dah-di-di-dit di-di-dah-dah-dah di-di-di-di-dit di-di-di-di-dit dah-di-di-di-dit di-di-di-dah-dah di-di-di-di-  
dah di-di-di-di-dit di-di-di-di-dit di-di-di-di-dit

[illegible]

# dah - dit di



dah dit di



Все

Видео

Картинки

Карты

Новости

Ещё

Настройки

Инструменты

Результатов: примерно 3 680 000 (0,51 сек.)

## International Morse Code - Stephen C Phillips

<https://morsecode.scphillips.com/morse.html> ▼ Перевести эту страницу

A, di-dah. B, dah-di-di-dit. C, dah-di-dah-dit. D, dah-di-dit. E, dit. F, di-di-dah-dit. G, dah-dah-dit. H, di-di-di-dit. I, di-dit. J, di-dah-dah-dah. K, dah-di-dah.

dah - dit di



dah dit di



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A, di-dah. B, dah-di-di-dit. C, dah-di-dah-dit. D, dah-di-dit. E, dit. F, di-di-dah-dit. G, dah-dah-dit. H, di-di-di-dit. I, di-dit. J, di-dah-dah-dah. K, dah-di-dah.

Morse code!

# dah - dit di

## Morse

[Translator](#)[Training](#)[Audio Decoder](#)[Gaze Decoder](#)[Keyer](#)[The Code](#)[Timing](#)[Alphabets](#)[FAQ](#)

For learning Morse code it is recommended to use this reference, but if you like, the [dots and dashes](#) are available too. If you click on any of the highlighted letters or symbols the Morse sound will be played.

Letter	Morse
<a href="#">A</a>	di-dah
<a href="#">B</a>	dah-di-di-dit
<a href="#">C</a>	dah-di-dah-dit
<a href="#">D</a>	dah-di-dit
<a href="#">E</a>	dit
<a href="#">F</a>	di-di-dah-dit
<a href="#">G</a>	dah-dah-dit
<a href="#">H</a>	di-di-di-dit
<a href="#">I</a>	di-dit
<a href="#">J</a>	di-dah-dah-dah
<a href="#">K</a>	dah-di-dah
<a href="#">L</a>	di-dah-di-dit
<a href="#">M</a>	dah-dah


Letter	Morse
<a href="#">N</a>	dah-dit
<a href="#">O</a>	dah-dah-dah
<a href="#">P</a>	di-dah-dah-dit
<a href="#">Q</a>	dah-dah-di-dah
<a href="#">R</a>	di-dah-dit
<a href="#">S</a>	di-di-dit
<a href="#">T</a>	dah
<a href="#">U</a>	di-di-dah
<a href="#">V</a>	di-di-di-dah
<a href="#">W</a>	di-dah-dah
<a href="#">X</a>	dah-di-di-dah
<a href="#">Y</a>	dah-di-dah-dah
<a href="#">Z</a>	dah-dah-di-dit

Digit	Morse
<a href="#">0</a>	dah-dah-dah-dah-dah
<a href="#">1</a>	di-dah-dah-dah-dah
<a href="#">2</a>	di-di-dah-dah-dah
<a href="#">3</a>	di-di-di-dah-dah
<a href="#">4</a>	di-di-di-di-dah
<a href="#">5</a>	di-di-di-di-dit
<a href="#">6</a>	dah-di-di-di-dit
<a href="#">7</a>	dah-dah-di-di-dit
<a href="#">8</a>	dah-dah-dah-di-dit
<a href="#">9</a>	dah-dah-dah-dah-dit

### Sound Controls

Pitch / Hz (?)

Speed / wpm (?)



What is Morse  
code?

**Morse code** is a **character encoding** scheme used in **telecommunication** that encodes **text** characters as standardized sequences of two different signal durations called *dots* and *dashes* or *dits* and *dahs*.<sup>[2][3]</sup> Morse code is named for **Samuel F. B. Morse**, an inventor of the **telegraph**.

## International Morse Code

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

Only

dot = dit = .

dash = dah = -

No space

A • ■  
B ■ • •  
C ■ • ■ •  
D ■ • •  
E •  
F • • ■ •  
G ■ ■ •  
H • • • •  
I • •  
J • ■ ■ ■  
K ■ • ■  
L • ■ • •  
M ■ ■  
N ■ •  
O ■ ■ ■  
P • ■ ■ •  
Q ■ ■ • ■  
R • ■ •  
S • • •  
T ■

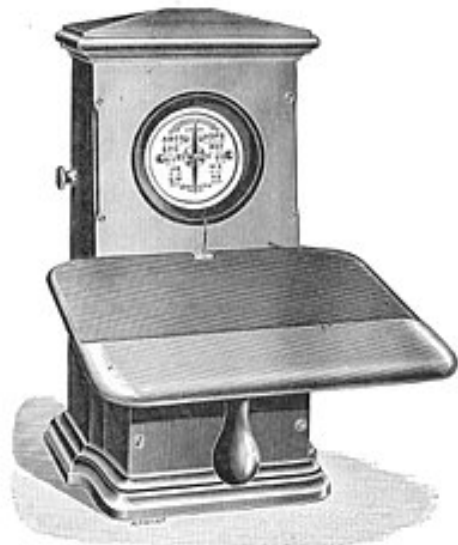
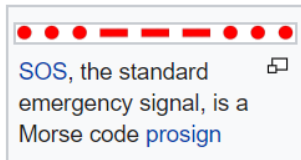
U • • ■  
V • • • ■  
W • ■ ■  
X ■ • • ■  
Y ■ • ■ ■  
Z ■ ■ • •

1 • ■ ■ ■ ■  
2 • • ■ ■ ■  
3 • • • ■ ■  
4 • • • • ■  
5 • • • • •  
6 ■ • • • •  
7 ■ ■ • • •  
8 ■ ■ ■ • •  
9 ■ ■ ■ ■ •  
0 ■ ■ ■ ■ ■



# LIKBEZ about Morse code (history and interesting facts)

1838 – the first Morse code by Samuel F. B. Morse  
Old version:



# LIKBEZ about Morse code (history and interesting facts)

	American (Morse)	Continental (Gerke)	International (ITU)
A	• •	• • • •	• •
Ä		• • • • •	
B	• • • •	• • • • •	• • • • •
C	• • •	• • • • •	• • • • •
CH		• • • • •	
D	• • •	• • • •	• • •
E	•	•	•
F	• • • •	• • • • •	• • • • •
G	• • • •	• • • • •	• • • • •
H	• • • •	• • • • •	• • • • •
I	• •	• •	• •
J	• • • •	• • • • •	• • • • •
K	• • • •	• • • • •	• • • • •
L	• • • •	• • • • •	• • • • •
M	• • • •	• • • • •	• • • • •
N	• • •	• • • •	• • • •
O	• •	• • • •	• • • •
Ö		• • • • •	
P	• • • • •	• • • • •	• • • • •
Q	• • • • •	• • • • •	• • • • •
R	• • • •	• • • • •	• • • • •
S	• • • •	• • • • •	• • • • •
T	• •	• •	• •
U	• • •	• • • •	• • •
Ü		• • • • •	
V	• • • •	• • • • •	• • • • •
W	• • • •	• • • • •	• • • • •
X	• • • •	• • • • •	• • • • •
Y	• • • •	• • • • •	• • • • •
Z	• • • •	• • • • •	• • • • •
1	• • • • •	• • • • •	• • • • •
2	• • • • •	• • • • •	• • • • •
3	• • • • •	• • • • •	• • • • •
4	• • • • •	• • • • •	• • • • •
5	• • • • •	• • • • •	• • • • •
6	• • • • •	• • • • •	• • • • •
7	• • • • •	• • • • •	• • • • •
8	• • • • •	• • • • •	• • • • •
9	• • • • •	• • • • •	• • • • •
0	• • • • •	• • • • •	• • • • •
0 (alt)	•		

Comparison of historical versions of Morse code with the current standard. 1. [American Morse code](#) as originally defined. 2. The modified and rationalized version used by [Gerke](#) on German railways. 3. The current [ITU](#) standard.

**Morse code** is a **character encoding** scheme used in **telecommunication** that encodes **text** characters as standardized sequences of two different signal durations called *dots* and *dashes* or *dits* and *dahs*.<sup>[2][3]</sup> Morse code is named for **Samuel F. B. Morse**, an inventor of the **telegraph**.

## International Morse Code

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

A	• —	U	• • —
B	— • • •	V	• • • —
C	— • — •	W	• — —
D	— • •	X	— • • —
E	•	Y	— • — —
F	• • — •	Z	— — • •
G	— — •		
H	• • • •		
I	• •		
J	• — — —		
K	— • —	1	• — — — —
L	• — • •	2	• • — — —
M	— —	3	• • • — —
N	— •	4	• • • • —
O	— — —	5	• • • • •
P	• — — •	6	— • • • •
Q	— — • —	7	— — • • •
R	• — •	8	— — — • •
S	• • •	9	— — — — •
T	—	0	— — — — —

### Translate a Message

Input:

dit

Output:

- . . . -

Translate ↺



# International Morse Code

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

A • —  
B — • • •  
C — • — •  
D — • •  
E •  
F • • — •  
G — — •  
H • • • •  
I • •  
J • — — —  
K — • —  
L • — • •  
M — —  
N — •  
O — — —  
P • — — •  
Q — — • —  
R • — •  
S • • •  
T —

U • • —  
V • • • —  
W • — —  
X — • • —  
Y — • — —  
Z — — • •

1 • — — — —  
2 • • — — —  
3 • • • — —  
4 • • • • —  
5 • • • • •  
6 — • • • •  
7 — — • • •  
8 — — — • •  
9 — — — — •  
0 — — — — —

Translate a Message

Input:

Output:

di → •

dah → —

dit → di before space

dah-dah-dah-dah-dah dah-di-di-dah di-di-di-di-dit

0X5

Letter	Morse
A	di-dah
B	dah-di-di-dit
C	dah-di-dah-dit
D	dah-di-dit
E	dit
F	di-di-dah-dit
G	dah-dah-dit
H	di-di-di-dit
I	di-dit
J	di-dah-dah-dah
K	dah-di-dah
L	di-dah-di-dit
M	dah-dah

Letter	Morse
N	dah-dit
O	dah-dah-dah
P	di-dah-dah-dit
Q	dah-dah-di-dah
R	di-dah-dit
S	di-di-dit
T	dah
U	di-di-dah
V	di-di-di-dah
W	di-dah-dah
X	dah-di-di-dah
Y	dah-di-dah-dah
Z	dah-dah-di-dit

Digit	Morse
0	dah-dah-dah-dah-dah
1	di-dah-dah-dah-dah
2	di-di-dah-dah-dah
3	di-di-di-dah-dah
4	di-di-di-di-dah
5	di-di-di-di-dit
6	dah-di-di-di-dit
7	dah-dah-di-di-dit
8	dah-dah-dah-di-dit
9	dah-dah-dah-dah-dit

0X57702A6C5874475138653871696D4D59552A73764648  
6B6A49742A5251264A705A766A6D2125254B446B667023  
594939666B346455346C423372546F5430505A516D4351  
454B5942345A4D762A21466B386C25626A716C504D6649  
476D612525467A4720676967656D7B433169634B5F636C  
31434B2D7930755F683476335F6D3449317D2075763476  
7A4B5A7434796F6D694453684C6D38514546695574774A  
4049754F596658263875404769213125547176305663527  
A56216A217675757038426A64494971453577232425563  
4555A4F595A327A37543235743726784C40574F37343130

5149

In mathematics, a subscript is typically used to specify the **radix**. For example the decimal value 10,995 would be expressed in hexadecimal as  $2AF3_{16}$ . In programming, a number of notations are used to support hexadecimal representation, usually involving a prefix or suffix. The prefix `0x` is used in C and related languages, which would denote this value by `0x2AF3`.

## Hexadecimal (HEX)

0X57702A6C5874475138653871696D4D59552A73764648  
6B6A49742A5251264A705A766A6D2125254B446B667023  
594939666B346455346C423372546F5430505A516D4351  
454B5942345A4D762A21466B386C25626A716C504D6649  
476D612525467A4720676967656D7B433169634B5F636C  
31434B2D7930755F683476335F6D3449317D2075763476  
7A4B5A7434796F6D694453684C6D38514546695574774A  
4049754F596658263875404769213125547176305663527  
A56216A217675757038426A64494971453577232425563  
4555A4F595A327A37543235743726784C40574F37343130  
5149

Go to <https://gchq.github.io/CyberChef/>



Operations

Search...

Favourites

To Base64

From Base64

To Hex

From Hex

To Hexdump

From Hexdump

URL Decode

Regular expression

Entropy

Fork

Magic

Recipe

From Hex

Delimiter  
Auto

STEP

BAKE!

Auto Bake

Input

start: 468  
end: 468  
length: 0

length: 468  
lines: 2

0X57702A6C5874475138653871696D4D59552A737646486B6A49742A5251264A705A766A6D2125254B446B667023594939666B346455346C423372546F5430505A516D4351454B5942345A4D762A21466B386C25626A716C504D6649476D612525467A4720676967656D7B433169634B5F636C31434B2D7930755F683476335F6D3449317D20757634767A4B5A7434796F6D694453684C6D38514546695574774A4049754F596658263875404769213125547176305663527A56216A217675757038426A644949714535772324255634555A4F595A327A37543235743726784C40574F373431305149

Output

time: 1ms  
length: 233  
lines: 1

.w. !Å.Du..S...ÔÖ.R\$7dd.Ŋ¤.B¥%.d\$.§f!Ò.RT´Fŋg.5...f³FESFÅ#7%FÖC..  
¥.Ô5.Tµ.#E¤×b¢.f³.ÂV&§.Â.Öd.vÖ.RTg¤r.v.vV×  
´3...4µö6Ã.4²×...Uö.Gc5öÓD...Ö.WcGg¤µ\$CG.öö.E6.ÆÓ...Tf.WGt¤..Tö.e.c.T.v...UG.c.f5'¥b.  
¢.gWw...&!D...SWr2BUcEU¤ö.£'£uC#WCr¤.Ä.tóSc...

0X57702A6C5874475138653871696D4D59552A73764648  
6B6A49742A5251264A705A766A6D2125254B446B667023  
594939666B346455346C423372546F5430505A516D4351  
454B5942345A4D762A21466B386C25626A716C504D6649  
476D612525467A4720676967656D7B433169634B5F636C  
31434B2D7930755F683476335F6D3449317D2075763476  
7A4B5A7434796F6D694453684C6D38514546695574774A  
4049754F596658263875404769213125547176305663527  
A56216A217675757038426A64494971453577232425563  
4555A4F595A327A37543235743726784C40574F37343130  
5149

Operations

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Favourites

To Base64

From Base64

To Hex

From Hex

To Hexdump

From Hexdump

URL Decode

Regular expression

Entropy

Fork

Magic

Recipe

From Hex

Delimiter  
Auto

STEP

BAKE!

Auto Bake

Input

length: 466  
lines: 2

57702A6C5874475138653871696D4D59552A737646486B6A49742A5251264A705A766A6D2125254B446B667023594939666B346455346C423372546F5430505A516D4351454B5942345A4D762A21466B386C25626A716C504D6649476D612525467A4720676967656D7B433169634B5F636C31434B2D7930755F683476335F6D3449317D20757634767A4B5A7434796F6D694453684C6D38514546695574774A4049754F596658263875404769213125547176305663527A56216A217675757038426A644949714535772324255634555A4F595A327A37543235743726784C40574F373431305149

Output

time: 2ms  
length: 232  
lines: 1

Wp\*1XtGQ8e8qimMYU\*svFHkjiIt\*R0&JpZvjm!%%KDkfp#YI9fk4dU41B3rToT0PZQmCQEKYB4ZMv\*!Fk81%bjqlPMfIGma%%FzGgigem{C1ic\_c11CK-y0u\_h4v3\_m4I1}uv4vzKZt4yomidShLm8QEFiUtwJ@IuOYfX&8u@Gi!1%Tqv0VcRzV!j!vuup8BjdIIqE5w\$\$%V4UZ0YZ2z7T25t7&xL@W07410QI

Wp\*IXtGQ8e8qimMYU\*svFHkjlT\*RQ&JpZvjm!%%KDkfp#YI9  
fk4dU4lB3rToT0PZQmCQEKYB4ZMv\*!Fk8l%bjqlPMflGma%  
%FzG gigem{C1icK\_cl1CK-y0u\_h4v3\_m4l1}  
uv4vzKZt4yomiDShLm8QEFiUtwJ@luOYfX&8u@Gi!1%Tqv0  
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