



## Crypto : ASCII Sentence

Value : 100 pts

Description : Decode this

89511164999110821028988781159750571029086571099850701029087861088850531109072108  
11910072108102908710451975182112885057105102816161

Attachment : -

## Solution

The cipher seem to be an ASCII Code, let's decode it.

Source : <https://www.dcode.fr/ascii-code>

The screenshot shows a web-based "ASCII CONVERTER" tool. On the left, under "Results", there is a table with two columns: "DEC (1-3 Digits)" and "BIN (7bit)". The first row shows the input "Y3t1cnRfYXNsa29fZV9mb2FfZWVlX25nZHlwdHl" and its binary representation "fZWh3a3RpX29ifQ==". The second row shows the output "4DL\Rz". On the right, the "ASCII CONVERTER" section has a text area containing the input string "8951116499911082102898878115975057102908657109985070102908786108885053110907210811910072108102908710451975182112885057105102816161". Below the text area, there is a checkbox labeled "PRINT RESULT IN HEXADECIMAL" which is unchecked. At the bottom right, there is a button labeled "DECRYPT/CONVERT ASCII".

As we can see we get an base64 as result. Decode it too.

Source : <https://www.base64decode.org/>

```
Y3t1cnRfYXNsa29fZV9mb2FfZWVlX25nZlwdHlZWh3a3RpX29ifQ==
```

**i** For encoded binaries (like images, documents, etc.) use the file upload form a bit further down on this page

UTF-8 Source character set.

☒ Live mode OFF Decodes in real-time when you type or paste (supports only UTF-8 character set).

**< DECODE >** Decodes your data into the textarea below.

```
c{urt_aslko_e_foa_eee_ngdypty_ehwkti_ob}
```

Now after a lot a research, i find it was coltrans-double cipher, and we need to guess the key which is : 321

Source : <http://rumkin.com/tools/cipher/coltrans-double.php>

Decrypt ▾

Key Word(s) - Duplicates numbered forwards ▾ : 321

The resulting columnar key: **3 2 1**

Numeric Key - Spaced Numbers ▾ :

The resulting columnar key: **1**

☐ - Use the keys as column orders instead of column labels

```
c{urt_aslko_e_foa_eee_ngdypty_ehwkti_ob}
```

This is your encoded or decoded text:

```
p_ctf{you_are_the_weakest_link_good_bye}
```

**Flag : p\_ctf{you\_are\_the\_weakest\_link\_good\_bye}**