

Forum:[Hack Forums](#)

Thread: [?? \[OVER!\] - \[CONTEST#2\] WIN UP TO \\$32! - Decryption/Decoding Puzzle Contest!! ??](#)

TheDubWubCub - May 10, 2013, 8:23 pm

Welcome to my Decryption/Decoding Puzzle Contest!

*The Contest is over!

All challenges have been completed!

Thank you all very much for participating!

If you would like to be notified of the next contest, please PM me!

Thanks again & Good luck on the next one! :D*

About these contests:

Each contest will contain at least one challenge/puzzle to be solved for a prize and prizes will vary for each challenge! :D

About this contest:

There are 5 challenges for you HF!

Each challenge varies from easy to hard difficulty, but the harder = more prize \$\$! :D

The goal is to successfully decode the cipher-text of the challenge.

Each challenge will provide 3 example inputs(message) and their outputs(cipher-text) and then the final cipher-text to be decoded.

Post your results below and if correct, you will be rewarded with the prize \$\$ of that challenge! :D

Rules:

- You may enter/attempt all challenges!
- You only get two guesses/attempts per challenge!
- Entering more than two guesses/attempts per challenge will disqualify you from that challenge!
- Once a challenge has been completed/solved, details on how that challenge was made will be updated in the thread!
- If you have won the challenge, you will be payed the amount of that challenge's prize \$\$ via PayPal!
- The contest will end by June 21st or once all challenges have been completed!
- Only one hint will be given publicly per challenge!
- Have Fun! ?

Example Post/Entry:

(Given that these are the cipher-texts:)

example Challenge 1: Cipher-Text: "JRGjFV3" *example*

example Challenge 2: Cipher-Text: "ERHGeHcJ" *example*

example Challenge 3: Cipher-Text: "SDVJj2" *example*

and so on...

Your post/entry should look something like this:

Quote:Challenge 1

Input: hello (guess/attempt #1)

Input: doggy (guess/attempt #2)

Challenge 2

Input: frog (guess/attempt #1)

Input: cat123 (guess/attempt #2)

Challenge 3

Input: silver (guess/attempt #1)

Input: wub2 (guess/attempt #2) and so on...

Now on to the Challenges!

SOLVED BY "Azureal" Challenge #1 - Difficulty Easiest - \$1 Prize! *SOLVED BY "Azureal"*

Spoiler ([Click to View](#))

Welcome to challenge #1 of this contest!

This challenge is the Easiest of the 5, so hurry up & complete it before someone else does!

Completing this challenge will earn you \$1 according with the rules!

The only rules for this challenge are the rules for the contest, which can be located above!

With all this said, here is your challenge! ?

Figure out what the input/message is of the following Cipher-Text:

Cipher-Text: vnlxovD lg bn gnvgnlx

Here are 3 input/output examples of the encoding algorithm used for this challenge:

Quote:Example 1:

Input: HackForums

Output: hnfilUpxzS

Example 2:

Input: encode

Output: vwlxmv

Example 3:

Input: Peace

Output: vxzvK

HINT: Not Given Yet

Good luck on this challenge and remember to follow the format when you're making your post/entry!

?

How the algorithm works:

Spoiler ([Click to View](#))

Input: Hello

Step1: Reverse (abc=cba)

Hello = olleH

Step2: Opposite Letter

(a=z, b=y, c=x, d=w,
e=v,f=u,g=t,h=s,i=r,j=q,k=p,l=o,m=n,n=m,o=l,p=k,q=j,r=i,s=h,t=g,u=f,v=e,w=d,x=c,y=b,z=a)

olleH = loovS

Output: loovS

SOLVED BY "deimoo92" Challenge #2 - Difficulty 2nd Easiest - \$3 Prize! SOLVED BY
"deimoo92"*
Spoiler ([Click to View](#))

[color=#00BFFF>Welcome to challenge #2 of this contest!

This challenge is the 2nd Easiest of the 5, so complete it quick before someone else does!
Completing this challenge will earn you \$3 according with the rules!

The only rules for this challenge are the rules for the contest, which can be located above!
With all this said, here is your challenge! ?

Figure out what the input/message is of the following Cipher-Text:

Cipher-Text: H;P/f:i/f;j/b:c/r;x/p:e/b;j/h;t/d:u o:e/c:e/j;e/n:e/j;e d;g/k;s/e;f/f:f/a;m/b;g/k:c/c;j/c:a/k:h
w;x/f;x/s;x b;p/d;s/l:h a:s/d;s/g:h c:a/q;z/a:e/k;q/r;i/q;t/c:r/h:d/l:h

Here are 3 input/output examples of the encoding algorithm used for this challenge:

Quote:Example 1:

Input: HackForums

Output: D:D/c;d/c;f/f;q/K;Q/a;p/q:a/j:k/g:f/q:b

Example 2:

Input: encode

Output: m;r/h;v/a:b/g;v/n;r/g;l

Example 3:

Input: Peace

Output: C;S/s;x/t;u/n;q/n;s

HINT: *Not Given Yet

Good luck on this challenge and remember to follow the format when you're making your post/entry!
?

How the algorithm works:

Spoiler ([Click to View](#))

Input: Hello

Note: The process of generating the letters is a bit complicated, so i will just show how to decipher it.

Output: R;Z/u;z/n;z/n;z/k;z

Info: ; = subtraction, : = addition, / = separator

(a=1, b=2, c=3, d=4,

e=5,f=6,g=7,h=8,i=9,j=10,k=11,l=12,m=13,n=14,o=15,p=16,q=17,r=18,s=19,t=20,u=21,v=22,w=23,x=24,y=25,z=26)

R;Z = R - Z = 18 - 26 = 8 = H
u;z = u - z = 21 - 26 = 5 = e
n;z = n - z = 14 - 26 = 12 = l
n;z = n - z = 14 - 26 = 12 = l
k;z = k - z = 11 - 26 = 15 = o

Input: Hello

(If you want to know how the letters are generated, just ask and i'll be happy to explain the process :D)

SOLVED BY "LaViolador" Challenge #3 - Difficulty Easy/Medium - \$5 Prize! SOLVED BY "LaViolador"*

Spoiler ([Click to View](#))

Welcome to challenge #3 of this contest!

This challenge is the middle difficulty of the 5, so it's a bit tricky!

Completing this challenge will earn you \$5 according with the rules!

The only rules for this challenge are the rules for the contest, which can be located above!

With all this said, here is your challenge! ?

Figure out what the input/message is of the following Cipher-Text:

Cipher-Text: R fkgllly pchy sll dxx eijoy twene xpphldl

Here are 3 input/output examples of the encoding algorithm used for this challenge:

Quote:Example 1:

Input: Hackforums

Output: HkcaForuwi

Example 2:

Input: encode

Output: khuidk

Example 3:

Input: Peace

Output: Fefre

HINT: *Not Given Yet

Good luck on this challenge and remember to follow the format when you're making your post/entry!
?

How the algorithm works:

Spoiler ([Click to View](#))

Input: Hello

Step1: Input Length (abc = 3)

Hello = 5

Info:

Letter chart: A chart of the letters of the alphabet according with the input length

Step2: Letter chart and Input length

(Input Length: abc = 3 |

Letter Chart for 3:

Code abc

def

ghi

jkl

mno

pqr

stu

vwx

yz

Hello = 5

Letter Chart for 5:

Code abcde

fghij

klmno

pqrst

vwxyz

z

More Info: Input and Letter Chart

(input length: abc = 3

letter chart for 3:

Code abc

def

ghi

jkl

mno

pqr

stu

vwx

yz Input = abc

Notice where the letters are in their letter chart "a", "b", "c")

Step3: Working with the Input and Letter Chart

(Go down the letter chart of how many the input length is. | a = d, b = h, c = l)

Hello = 5

Letter Chart for 5:

Code abcde

fghij

klmno

pqrst

vwxyz

z

Hello = H down 5 = H, e down 5 = , l down 5 = l, l down 5 = l, o down 5 = o

Output: Hello

Hello is a bad example not because of the words used, but because of how many letters it contains, overall this algorithm is defiantly not the best haha.

SOLVED BY "deimoo92" Challenge #4 - Difficulty Medium - \$8 Prize! *SOLVED BY "deimoo92"*
Spoiler ([Click to View](#))

Welcome to challenge #4 of this contest!

This challenge is the 2nd hardest of the 5, so take your time!

Completing this challenge will earn you \$8 according with the rules!

The only rules for this challenge are the rules for the contest, which can be located above!

With all this said, here is your challenge! ?

Figure out what the input/message is of the following Cipher-Text:

Cipher-Text: Ribx jvualza ampp lezi hommkx vxofky

Here are 3 input/output examples of the encoding algorithm used for this challenge:

Quote:Example 1:

Input: Hackforums

Output: RkmuPybewc

Example 2:

Input: encode

Output: ktiujk

Example 3:

Input: Peace

Output: Ujfhj

HINT: Not Given Yet

Good luck on this challenge and remember to follow the format when you're making your post/entry!
?

How the algorithm works:

Spoiler ([Click to View](#))

Input: Hello

Step1: input length (abc = 3)

Hello = 5

Step2: Letter to their Numbers (abc = 1,2,3)

(a=1, b=2, c=3, d=4,

e=5,f=6,g=7,h=8,i=9,j=10,k=11,l=12,m=13,n=14,o=15,p=16,q=17,r=18,s=19,t=20,u=21,v=22,w=23,x=24,y=25,z=26)

Hello = 8,5,12,12,15

Step3: Add input length to each character's number (abc = 3 | abc= 1,2,3 | 3+1, 3+2, 3+3 = 4, 5, 6)

8,5,12,12,15 = 8+5,5+5,12+5,12+5,15+5 = 13,10,17,17,20

Step4: Numbers to their Letters (1,2,3 = abc)

(If numbers exceed 26, loop around to the next character. 1 = a, 2 = b, 3 = c... ect 25 = y, 26 = z, 27 = a, 28 = b...ect 52 = z, 53 = a... ect)

13,10,17,17,20 = Mjqqt

Output: Mjqqt

SOLVED BY "LsDefect" Challenge #5 - Difficulty Hard - \$15 Prize! *SOLVED BY "LsDefect"*
Spoiler ([Click to View](#))

Welcome to challenge #5 of this contest!

This challenge is the hardest of the 5, so I suggest you to take your time & pay close attention on this one!

Completing this challenge will earn you \$15 according with the rules!

The only rules for this challenge are the rules for the contest, which can be located above!

With all this said, here is your challenge! ?

Figure out what the input/message is of the following Cipher-Text:

Cipher-Text: Mwos sto aat Q ay irwwll mqpg wea otqn egjesyc mvjc

Here are 3 input/output examples of the encoding algorithm used for this challenge:

Quote:Example 1:

Input: Hackforums

Output: OtesAxuxey

Example 2:

Input: encode

Output: iwrarf

Example 3:

Input: Peace

Output: Etweg

HINT:

* UPDATE: After analyzing challenge #5 some more, i have realized their are two ways to go about encoding it (For Precision or Obscurity). For this challenge, it was for obscurity... meaning it's a bit more tricky! Nevertheless, it is still solvable/decode-able! :D

To encode & decode Challenge #5 you will need a chart/map or some other way of doing it that im unaware of haha.

Of this chart/map, it is a variation of Vigenère Cipher... you will need to just strip off the top row & the left column :]

Now i also said it had a twist to it (this is encoding, not encryption, meaning no passwords but i guess since it involves using the Vigenère Cipher, you can think of the input as it's own password. ;)

Depending on how these go will determine if i'll release another hint. :D

Good luck to all! :D *

Good luck on this challenge and remember to follow the format when you're making your post/entry!
?

How the algorithm works:

Spoiler ([Click to View](#))

Not enough room to post it on the thread, so i posted it on PasteBin. Enjoy! haha

<http://pastebin.com/CN5dsreZ>

Hope you all enjoy these contests! Good luck to all of you on this one & let the best crackers win! ?
(next contest will have way bigger \$prizes\$! ??)

phat808 - May 11, 2013, 11:50 pm

Challenge 1

Input: contemt my to welcome (guess/attempt #1)

pym0l - May 11, 2013, 11:59 pm

Challenge 1

Input: Welcome to my contest (guess/attempt #1)

deimoo92 - May 12, 2013, 3:37 am

Challenge 2

Input: Hopefully the challengds are not too difficult (guess/attempt #1)

(Did you made a mistake on the "challenges" word during encryption ?)

EDIT :

Challenge 4

Input: Next contest will have bigger prizes (guess/attempt #1)

TheDubWubCub - May 12, 2013, 12:51 pm

(May 11, 2013 11:50 PM)phat808 Wrote: [\[CITE\]](#) Challenge 1

Input: contemt my to welcome (guess/attempt #1)

Nice try but not exactly.

(May 11, 2013 11:59 PM)Azureal Wrote: [\[CITE\]](#) Challenge 1

Input: Welcome to my contest (guess/attempt #1) Good job! I'll PM you details on getting your prize now! :D

(May 12, 2013 03:37 AM)deimoo92 Wrote: [\[CITE\]](#) Challenge 2

Input: Hopefully the challengds are not too difficult (guess/attempt #1)

(Did you made a mistake on the "challenges" word during encryption ?)

EDIT :

Challenge 4

Input: Next contest will have bigger prizes (guess/attempt #1) For Challenge 2, i see that i made that small little error, you are correct!

For challenge 4, good job! I will PM you details on how to get your prizes now! :D

When assigning the difficulty ratings for each challenge, it was hard for me to choose between 3 and 4, looks like 3 is harder than 4 :D

Remaining challenges: #3 and #5! Good luck! ?

LaViolador - May 12, 2013, 1:39 pm

Challenge 3

Input: I really hope you all enjoy these puzzles. (guess/attempt #1)

I think :)

deimoo92 - May 12, 2013, 2:57 pm

Thank you so much, payment done !

Really good contest !

TheDubWubCub - May 12, 2013, 3:22 pm

(May 12, 2013 01:39 PM)LaViolador Wrote: [\[CITE\]](#) Challenge 3

Input: I really hope you all enjoy these puzzles. (guess/attempt #1)

I think :)

Good job & congrats! I have already PM'd you & sent the money! :D

(May 12, 2013 02:57 PM)deimoo92 Wrote: [\[CITE\]](#) Thank you so much, payment done !

Really good contest !

Your welcome & thank you very much for participating! :D

Good luck to everyone on Challenge #5! It is significantly more difficult than the others! :D

glassp - May 12, 2013, 5:42 pm

This is hard. I have been trying number 5 for a while. Any hints? I might be using too advanced methods ;c

vitafortis - May 12, 2013, 5:47 pm

(May 12, 2013 05:42 PM)glassp Wrote: [\[CITE\]](#) This is hard. I have been trying number 5 for a while. Any hints? I might be using too advanced methods ;c

That makes two of us. I have also been trying random guess work and feel I have it half solved :(

glassp - May 12, 2013, 5:52 pm

(May 12, 2013 05:47 PM)vitafortis Wrote: [\[CITE\]](#) That makes two of us. I have also been trying random guess work and feel I have it half solved :(

Want to work on it together over skype or something? :D

Sexygoco - May 12, 2013, 5:52 pm

I'm going to smack my head off my desk, I tried for over an hour to decode number 5, It's just not happening. No money for me. :(

This is truly a great idea for a contest OP well done!

vitafortis - May 12, 2013, 5:53 pm

(May 12, 2013 05:52 PM)glassp Wrote: [\[CITE\]](#) Want to work on it together over skype or something?
:D

I suppose. Add me, my skype is "vitafortis"

glassp - May 12, 2013, 5:55 pm

When I get l33t, I am holding a ton of contests like this. I love it.

vitafortis - May 12, 2013, 6:02 pm

OP, I have a question. Am I allowed to brute force #5?

glassp - May 12, 2013, 6:13 pm

This is so hard, can you please give us a tip? I will be working on this...
Until a hint...

TheDubWubCub - May 12, 2013, 6:50 pm

ok i'm back haha sorry for late response!

(May 12, 2013 05:52 PM)Sexygoco Wrote: [\[CITE\]](#) I'm going to smack my head off my desk, I tried for over an hour to decode number 5, It's just not happening. No money for me. :(

This is truly a great idea for a contest OP well done!
haha i suggest giving it another shot sometime tomorrow! That's when i'll be giving a hint ;)

(May 12, 2013 05:55 PM)glassp Wrote: [\[CITE\]](#) When I get l33t, I am holding a ton of contests like this. I love it. That sounds awesome! Good luck!! :D

(May 12, 2013 06:02 PM)vitafortis Wrote: [\[CITE\]](#) OP, I have a question. Am I allowed to brute force #5?

I'm not sure how you would go about doing that but sure i guess? ha

So overall, about noon tomorrow i will give a hint and depending on how things go will determine if i'll release another hint. :D

if you want a teeny tiny hint look here :]

Spoiler [\(Click to View\)](#)

Around 500 years old and It's a variation of it, but with also a twist to it. :]

Good luck & i'll give the real hint tomorrow! :D

mkraemer - May 12, 2013, 8:21 pm

This is really a great contest OP ..wish i new how to decode it haha

vitafortis - May 12, 2013, 9:00 pm

Sounds like a variation of the Caesar Cipher. If that's the case, cool.

TheDubWubCub - May 12, 2013, 9:07 pm

(May 12, 2013 08:21 PM)mkraemer Wrote: [\[CITE\]](#) This is really a great contest OP ..wish i new how to decode it haha

Thank you very much! & you should learn :]

(May 12, 2013 09:00 PM)vitafortis Wrote: [\[CITE\]](#) Sounds like a variation of the Caesar Cipher. If that's the case, cool.
not exactly ;) haha, I'll give more info tomorrow though :D

mkraemer - May 13, 2013, 4:29 am

(May 12, 2013 09:07 PM)TheDubWubCub Wrote: [\[CITE\]](#) Thank you very much! & you should learn :] I would love to learn it haha , any tips where i can start ??

deimoo92 - May 13, 2013, 6:28 am

Looks like a variation of Vigenere Cipher ^^

TheDubWubCub - May 13, 2013, 9:51 am

(May 13, 2013 04:29 AM)mkraemer Wrote: [\[CITE\]](#) I would love to learn it haha , any tips where i can start ??

There are loads of places to start! In my opinion, the best option would be to brush up on your math skills and then start looking into learning cryptography. You can learn all kinds of info here on the interwebz! :D

2 hours left until i give the official hint for challenge #5! ?

[OK, I have just RE-updated the thread and now there is a Hint for Challenge #5! :D Good Luck!?](#)

deimoo92 - May 14, 2013, 9:56 am

Can you give another hint please?
My brain is going to burn..

TheDubWubCub - May 14, 2013, 11:55 am

(May 14, 2013 09:56 AM)deimoo92 Wrote: [\[CITE\]](#) Can you give another hint please?
My brain is going to burn..

Well the first hint gave you guys the map needed to encode & decode. Along with that, it also stated that when enciphering the input, it's not like the vigenere where you require a password, but you can think of the "password" as the input itself. With this knowlege, you should be able to encode the first character, maybe even decode. To be able to fully encode & decode, you will either figure it out or just wait for me to give the last hint (5/17/13). Good luck! ?

deimoo92 - May 14, 2013, 12:09 pm

Ok, thank's.
But as i told you, i'm french and I didn't understood what map you want us to us.

You should laught but I didn't understood the verb "to strip off", even with the help of Google Translate x)

And for sure the password needed can't be the input itself because in this case, the two "e" of the word "peace" will have the same encode..

I tried to us the reversion of the input as the decode key but it doesn't work.

TheDubWubCub - May 14, 2013, 12:31 pm

(May 14, 2013 12:09 PM)deimoo92 Wrote: [\[CITE\]](#) Ok, thank's.

But as i told you, i'm french and I didn't understood what map you want us to us.

You should laught but I didn't understood the verb "to strip off", even with the help of Google Translate x)

And for sure the password needed can't be the input itself because in this case, the two "e" of the word "peace" will have the same encode..

I tried to use the reversion of the input as the decode key but it doesn't work.

haha sorry about that, yea just remove the left & top part of the vigenere cipher & you have the map needed.

Sorry to say, but the "password" is the input itself, this is where the "twist" comes in and makes my version different from the vigenere cipher. and like i said before, for right now you are 100% able to encode the first character, maybe even decode depending how well you've studied the map. Once you have figured out the "twist", then you will be able to encode and decode. :D

(and just to let you all know, don't take "twist" too literally haha there is no text manipulating that involves twisting haha, i'm just using it as a term for what makes this cipher different than the original.)

deimoo92 - May 14, 2013, 1:27 pm

Thank's.

Of course i managed to encode the first character easily, without all your hints, but for the other characters, i think your "twist" is working here and make the encoding of them really difficult..

TheDubWubCub - May 14, 2013, 2:15 pm

(May 14, 2013 01:27 PM)deimoo92 Wrote: [\[CITE\]](#) Thank's.

Of course i managed to encode the first character easily, without all your hints, but for the other characters, i think your "twist" is working here and make the encoding of them really difficult..

Well thank you very much :D When i was first coming up with it, i thought it would be impossible to decode because there was not enough information, which is bad since the goal is to decode it haha. But i looked through it again and found out it can be decoded but the decoder may have multiple possible combination but will soon eventually find out what the input was. :D

Anyways, good luck to all of you & a hint will be given 5/17/13... maybe.. ?

vitafortis - May 14, 2013, 2:46 pm

I got the algorithm! Just gotta get home to type it :)

TheDubWubCub - May 14, 2013, 2:59 pm

(May 14, 2013 02:46 PM)vitafortis Wrote: [\[CITE\]](#) I got the algorithm! Just gotta get home to type it :)

Good job! can't wait to see it! ?

vitafortis - May 14, 2013, 4:01 pm

Talked to OP and verifying there are no errors in the Cipher-text for Challenge #5. My algorithm seems to work, but we shall see.

Apparently my Algorithm doesn't work, which is weird, since it seems to work for every example :(

Zovers - May 14, 2013, 4:14 pm

does the chart/map reset with every new word or is it continuous throughout the entire text?

LsDefect - May 14, 2013, 4:24 pm

thought i had #5 a couple times..this is hard. lol. fun contest.

TheDubWubCub - May 14, 2013, 4:30 pm

(May 14, 2013 04:01 PM)vitafortis Wrote: [\[CITE\]](#) Talked to OP and verifying there are no errors in the

Cipher-text for Challenge #5. My algorithm seems to work, but we shall see.

Using my map, a Vigenère table but with the top row & left column removed, i have verified that Example 1, 2, 3 and the cipher-text have no errors and can be successfully decoded with the map.

(May 14, 2013 04:14 PM)Zovers Wrote: [\[CITE\]](#) does the chart/map reset with every new word or is it continuous throughout the entire text?

Input1: peace encode

Output: etweg iwrasf

Input2: encode peace

Output: iwrasf etweg

?

Spoiler [\(Click to View\)](#)

(very good question... kinda... ?)

(May 14, 2013 04:24 PM)LsDefect Wrote: [\[CITE\]](#) thought i had #5 a couple times..this is hard. lol. fun contest.haha keep trying and thank you very much! :D

Zovers - May 14, 2013, 5:01 pm

Well, I've been at it for a bit over two hours and i have to say, my brain is fried. Every time I think that I got it... it's wrong haha xD good luck to all who are still competing! I'm sure I'll feel stupid when I see the answer! ;p

TheDubWubCub - May 14, 2013, 5:30 pm

(May 14, 2013 05:01 PM)Zovers Wrote: [\[CITE\]](#) Well, I've been at it for a bit over two hours and i have to say, my brain is fried. Every time I think that I got it... it's wrong haha xD good luck to all who are still competing! I'm sure I'll feel stupid when I see the answer! ;p

haha don't worry, nobody has gotten it so far. I really suggest you collaborate with each other in hopes of gaining knowledge that may help you towards solving it. :D (Just beware that there is still only 1 winner. ?)

UPDATE:

To clarify some more on the hint that was previously given:

This is the Vigenere chart/map thingy

http://en.wikipedia.org/wiki/File:Vigen%C3%A8re_square_shading.svg

Take top row & left column off, so now it would look something like this:

abcde

bcdea

cdeab

deabc

eabcd

but using all letters of the alphabet :D

encoding the first letter: "C" for example

The intersection of C,C (top,left) would be "e".

If we were to encode "A" as the 1st letter, it would just be "A".

Hopefully this clears a few things up. Good luck & a hint will be given on the 17th! :D

vitafortis - May 14, 2013, 5:36 pm

(May 14, 2013 05:30 PM)TheDubWubCub Wrote: [\[CITE\]](#) haha don't worry, nobody has gotten it so far. I really suggest you collaborate with each other in hopes of gaining knowledge that may help you towards solving it. :D (Just beware that there is still only 1 winner. ?)

UPDATE:

To clarify some more on the hint that was previously given:

This is the Vigenere chart/map thingy

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Take top row & left column off, so now it would look something like this:

abcde
bcdea
cdeab
deabc
eabcd

but using all letters of the alphabet :D

encoding the first letter: "C" for example

The intersection of C,C (top,left) would be "e".

If we were to encode "A" as the 1st letter, it would just be "A".

Hopefully this clears a few things up. Good luck & a hint will be given on the 17th! :D

So you merely took off the row and column that told you what they were for >.>

The top row was for the input letter, the far left column was the key letter.

Woot. I will get back to work >.>

TheDubWubCub - May 14, 2013, 5:44 pm

(May 14, 2013 05:36 PM)vitafortis Wrote: [\[CITE\]](#) So you merely took off the row and column that told you what they were for >.>

The top row was for the input letter, the far left column was the key letter.

Woot. I will get back to work >.>

When i was first making these challenges i was just doing random stuff or the first thing that came to mind. As for challenge 5, i wanted to do something with the alphabet, so i did all this stuff and realized it looked very similar to the vigenere cipher but without the top row and left column... so i used that but added a little twist to differentiate it from the vigenere cipher. :]

As for the hint that was given, sorry if you may of interpreted it wrong :/
anyways, good luck to all! :D

glassp - May 14, 2013, 6:07 pm

OP, can you give us the first word? It would help alot :3

TheDubWubCub - May 14, 2013, 6:30 pm

(May 14, 2013 06:07 PM)glassp Wrote: [\[CITE\]](#) OP, can you give us the first word? It would help alot :3

Sorry but i cannot :/ but on the 17th, i will release another hint that will essentially give enough information for it to be solved. :D

vitafortis - May 14, 2013, 7:27 pm

This contest hurts. I am half done decoding, but the screen hurts my eyes :(

Zovers - May 14, 2013, 8:10 pm

In the peace example, I don't understand how the e could ever equal t -.- E DOES NOT EQUAL T >:0 this is quite frusterating OP, yet somehow you've gotten me addicted to it xD

TheDubWubCub - May 14, 2013, 9:16 pm

(May 14, 2013 07:27 PM)vitafortis Wrote: [\[CITE\]](#) This contest hurts. I am half done decoding, but the screen hurts my eyes :(

haha take a break.. relax ? From what i've seen so far, you're the closest one solving it!

(May 14, 2013 08:10 PM)Zovers Wrote: [\[CITE\]](#) In the peace example, I don't understand how the e could ever equal t -.- E DOES NOT EQUAL T >:0 this is quite frusterating OP, yet somehow you've gotten me addicted to it xD

haha the part that confuses everyone i have spoken too is from the twist that is added haha :D Encoding it is nothing complex, although decoding it requires your full attention haha. Learn how to encode it and then you'll be able to decode it. Or just do w/e haha :D

LsDefect - May 15, 2013, 1:59 pm

Challenge 5

Input: Good job and I am really glad you have cracked this (guess/attempt #1)

vitafortis - May 15, 2013, 2:05 pm

(May 15, 2013 01:59 PM)LsDefect Wrote: [\[CITE\]](#) Challenge 5

Input: Good job and I am really glad you have cracked this (guess/attempt #1)

You've gotta be kidding me, that's the error I was missing D: I had it mostly solved but I forgot that i = (r,r) and not just (e,e) :(Damn you sleep. Good job though.

TheDubWubCub - May 15, 2013, 2:06 pm

(May 15, 2013 01:59 PM)LsDefect Wrote: [\[CITE\]](#) Challenge 5

Input: Good job and I am really glad you have cracked this (guess/attempt #1)

Congrats! I and i'm sure everyone else is curious to how you have solved Challenge #5! Would you mind posting a detailed description of your process? I will PM you now for your prize! :D

The Contest is over! All challenges have been completed! Thank you all very much for participating! If you would like to be notified of the next contest, please PM me! Thanks again & Good luck on the next one! :D

LsDefect - May 15, 2013, 2:19 pm

WOOOO

(May 15, 2013 02:05 PM)vitafortis Wrote: [\[CITE\]](#) You've gotta be kidding me, that's the error I was missing D: I had it mostly solved but I forgot that i = (r,r) and not just (e,e) :(Damn you sleep. Good

job though.

haha thx bro thought for sure u were gonna beat me to it ^^

to solve it, i used the vigenere square to get the first letter, then the next character was just the sum of the character plus the difference between that character and the previous one. i had to write an algorithm in C++ to encode, then brute forced.

thx for the fun contest op i hope you make more :D

vitafortis - May 15, 2013, 2:20 pm

(May 15, 2013 02:19 PM)LsDefect Wrote: [\[CITE\]](#) woooo

haha thx bro thought for sure u were gonna beat me to it ^^

to solve it, i used the vigenere square to get the first letter, then the next character was just the sum of the character plus the difference between that character and the previous one. i had to write an algorithm in C++ to encode, then brute forced.

thx for the fun contest op i hope you make more :D

Oh you sly devil >.> So we realized the same process, but you cheated :(I did it all by hand.

LsDefect - May 15, 2013, 2:50 pm

(May 15, 2013 02:20 PM)vitafortis Wrote: [\[CITE\]](#) Oh you sly devil >.> So we realized the same process, but you cheated :(I did it all by hand.

sorry to jack you; it appears my evil C++ knowledge wins again ^^. figuring out the encryption algorithm was the hard part, though, of course

Spoiler [\(Click to View\)](#)

Code #include <iostream>

#include <fstream>

#include <sstream>

#include <Windows.h>

using namespace std;

void main()

{

stringstream stream;

string input(""),

output("");

system("title #5");

while(true)

{

while(input != ".")

{

input = output = "";

cin >> input;

if(input == ".")

break;

```

int diff(0);
char last;

for(int i = 0; i < input.length(); ++i)
    output += "*";

if(input[0] >= 'A' && input[0] <= 'Z')
{
    output[0] = input[0] + (input[0]-'A');

    if(output[0] > 'Z')
        output[0] = ('A'-1) + (output[0] - 'Z');
}

if(input[0] >= 'a' && input[0] <= 'z')
{
    output[0] = input[0] + (input[0]-'a');

    if(output[0] > 'z' || output[0] < 'a')
        output[0] = ('a'-1) + (output[0] - 'z');
}

input[0] = tolower(input[0]);

for(int i = 1; i < input.length(); ++i)
{
    last = input[i-1];
    diff = 0;

    while(last != input[i])
    {
        ++last;
        if(last > 'z')
            last = 'a';
        ++diff;
    }

    output[i] = input[i] + diff;

    if(output[i] > 'z' || output[i] < 'a')
        output[i] = ('a'-1) + (output[i] - 'z');
}

stream << output << " ";
}

cout << stream.str() << endl;
stream.str("");
input = "";
}

```

```

system("pause");

```

}[IMG]http://i1221.photobucket.com/albums/dd466/lsdefect/5-1.png[/IMG]

now if you'll excuse me, i have a beer run to go on :P

deimoo92 - May 15, 2013, 2:56 pm

Nice job LsDefect, it was really hard !

Can't wait for the next challenge right now :p

vitafortis - May 15, 2013, 5:00 pm

So, OP, if I understand, you basically rotated out the rows? That is to mean, row 2 is now row 1, and row 1 is the last row? And you rotate the rows each time? Interesting. I still like my math algorithm better, it can be faster if done via programming, *cough cough*.

TheDubWubCub - May 15, 2013, 5:01 pm

The Contest is over! All challenges have been completed! Thank you all very much for participating! If you would like to be notified of the next contest, please PM me!

[For those curious about how the algorithms work, check the main page & under the challenges it will say "How the algorithm works:"](#)

Thanks again & Good luck on the next one! :D