

Hello everyone! Welcome to the BEAR SO Codebusters C Test!



The first question is the timed question. Teams will have up to ten minutes to answer it to receive bonus points as described in the rules. Click "Save answer" when you want to check the answer to the first question. It'll respond with Correct or Incorrect. If it's correct, the system will record the time of the latest time you click submit. Do NOT click "Save answer" again once it's correct because it'll record the latest time you click "Save answer"

1. (300.00 pts) Decode the following K1 aristocrat which is a quote from Lux. **[FREQUENCY]**

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

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

2. (110.00 pts) Decode this Caesar encrypted text, which is a quote from Robert Orben **[FREQUENCY]**

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

D	U	L	U	H	H	Q	Y	I	U	O	E	K	H	X	Q	D	T	J	E	O	E	K	H	S	X	Y	B	T	H	U	D	;	Y	J
N	E	V	E	R	R	A	I	S	E	Y	O	U	R	H	A	N	D	T	O	Y	O	U	R	C	H	I	L	D	R	E	N	;	I	T

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

3. (125.00 pts) Decode this quote from Zilean that has been encoded using a vigenere cipher with a keyword of ZILEAN

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

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

4. (100.00 pts) Encode the following joke using an affine cipher with a=15 and b=9.

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

A	c	o	u	p	l	e	o	f	b	i	o	l	o	g	i	s	t	s	h	a	d	t	w	i	n	s	.	T	h	e	y	n	a	m	e	d
J	N	L	X	A	S	R	L	G	Y	Z	L	S	L	V	Z	T	I	T	K	J	C	I	B	Z	W	T	.	I	K	R	F	W	J	H	R	C
o	n	e	J	e	s	s	i	c	a	a	n	d	t	h	e	o	t	h	e	r	C	o	n	t	r	o	l	.								
L	W	R	O	R	T	T	Z	N	J	J	W	C	I	K	R	L	I	K	R	E	N	L	W	I	E	L	S	.								

5. (300.00 pts) Solve this Aristocrat.

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

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

6. (0.00 pts) Solve this quote from a certain mastermind that has been encrypted with a Pollux cipher given that 0=*, 2=*, 3=-, 9=X

723832936692738839000590647990080572846952054099382386522

82622459522882668080624294682264272835458655995289267

86669027806208620995228005087768277887563863645569875

933644379542628626587233!

Expected Answer: KNOW THAT IF THE TABLES WERE TURNED, I WOULD SHOW YOU NO MERCY!

7. (145.00 pts) Encode the following quote from Jinx using a Vigenere cipher with the key JINX.

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

S	A	Y	H	E		L	L	O	T	O		M	Y	F	R	I		E	N	D	S	O		F	V	A	R	Y		I	N	G	S	I		Z	E	S
B	I	L	E	N		T	Y	L	C	W		Z	V	O	Z	V		B	W	L	F	L		O	D	N	O	H		Q	A	D	B	Q		M	B	B

8. (140.00 pts) Using a key of DEFT encode the string KINGZONEDRAGON using the Hill Cipher with a 26-character alphabet.

$$\begin{pmatrix} D & E \\ F & T \end{pmatrix} \equiv \begin{pmatrix} 3 & 4 \\ 5 & 19 \end{pmatrix}$$

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

K	I	N	G	Z	O	N	E	D	R	A	G	O	N
K	U	L	X	B	B	D	L	Z	A	Y	K	Q	F

9. (250.00 pts) Decode the following aristocrat which is a quote from Aurelion Sol. [FREQUENCY]

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

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

10. (400.00 pts) The following symbols encodes a phrase by Dio Brando using a Baconian cipher. What does it say?

Please type the decrypted message below.

ABBBAAABBAABBBABBBBABBBABBBABBBAAABBBABABBBABBBABBBB

BABABBABABBBBBSBBBABAABAABBAABBBABABABBBBAABB

BBBAABABBBBAABBBBAABABBABBBAAABBBBBAABABBBBBA

BBAABBBABBBABBBBAABBBBBBBBAABBBBABBBBAABBBBBBABBBAB

BABBBABBAABBABBBABBBBABBBBABBBABBAABBBBABBBABBBABBB

BAABABAABB

Expected Answer: Success is all about finding the hidden advantage in a negative situation.

11. (350.00 pts) Decode the following aristocrat which is a quote from Ryan Reynolds. [FREQUENCY]

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

B'J

GSM

SGZ

SQ

MUSNZ

TVMSEN

OUS

ESJTGMBVBFBZN

I'M

NOT

ONE

OF

THOSE

ACTORS

WHO

ROMANTICIZES

UBN

METWNN

OSERBGC

SYM

TGL

KETCN

MUTM

UZ

VTG

HIS

TRIALS

WORKING

OUT

AND

BRAGS

THAT

HE

CAN

KZGVU

HEZNN

T

HTGLT

GSO

BENCH

PRESS

A

PANDA

NOW

12. (160.00 pts) Using a decryption key of FLOP, decode the string CIZHJBQBIEJP using the Hill Cipher with a 26 character alphabet.

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

CIZHJBQBIEJP

GOODGRIVEANCEZ

13. (250.00 pts) Solve this quote from Heimerdinger encrypted with a Morbit cipher given that 2=×●, 3=—, 8=x—, 9=—●, 5=●×

1 4 4 2 5 4 5 2 3 2 5 7 4 2 9 5 2 3 5 4 1 1 2 1 2 3

2 9 2 8 5 9 9 2 4 5 2 5 9 6 1 4 4 2 2 5 7 5 2 3 5

7 4 2 1 9 2 4

Expected Answer: This will put a wrench in their plans!

14. (350.00 pts) Decode the following aristocrat which is a quote from Byakuya Ishigami. **[FREQUENCY]**

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

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

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

B	T	N	G	S	T	G	.
S	C	I	E	N	C	E	.

15. (300.00 pts) Decode the following aristocrat which is a quote from Bertrand Russell. **[FREQUENCY]**

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

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

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

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

16. (150.00 pts) Decode this Caesar encrypted text, which is a quote from Lawrence Halprin. **[FREQUENCY]**

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

H	V	S	Q	V	O	Z	Z	S	B	U	S	T	C	F	H	V	S	U	O	F	R	S	B	R	S	G	W	U	B	S	F	W	G	B	C	H
T	H	E	C	H	A	L	L	E	N	G	E	F	O	R	T	H	E	G	A	R	D	E	N	D	E	S	I	G	N	E	R	I	S	N	O	T

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

Expected Answer: When one has tasted watermelon he knows what the angels eat.

20. (500.00 pts) Solve this patristocrat, which is about Taiju Oki and contains the word "BILLION." **[FREQUENCY]**

Type your letters below the corresponding given letters. Your letters can be lower or upper case.

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

Congratulations on finishing the BEAR SO Codebusters Test! You can take a deep breath and relax now! I hope everyone does well in their other events!