

*(3) challenge Brigman to solve the message.*  
 The following is the cryptogram as submitted to Brigman:

KB BTR EKSMO DG TNS GDNX AAT XCN ICA  
 IDUSEA AJEF HI RGZ TKCD FP AQWDJ YD MON  
 ZK DA JGE ONWA HXTCHQC WOSG WTMCP BN RF  
 GUUKHEJ II XHR WARHVV FQ QIKCW HGBQLY  
 FVHROT SMHLM E PHGEEPNTY

He fitted the following poem to the text, word for word, by their lengths, after a search through various books of quotations:

*part in cipher text above.*

IN THE PHOTO OF HER HERO SHE CAN SEE  
 THINGS THAT DO NOT SHOW SO CLEAR TO YOU  
 OR ME FOR HER OUTLOOK EVER SEEMS TO BE  
 COLORED BY HER DREAMS IN WHICH GOLDEN  
 SUNSHINE GLEAMS ENDLESSLY.

*to here*

**PROBLEM:** Can you prove the hypothetical solution? And if you can, can you solve the following cryptogram in the same key?

QAHQX	OSXAO	WYKVN	XDKJG	TTIKN	TIHKB	ZDFQK
FYGBA	DDXXI	WNIHY	YLETV	PVWAG	WHWEC	KRNZY
MTPHZ	OCHPO	YKXKB	CXYVW	PPXUA	GYVRQ	QYHEW
UPMNS	TOGHB	AEKLF	UYYTR	LGWKQ	OC	

QAHOX OSXAO WYKVN ~~REF ID: A673674~~ ZDFQK  
FYCBA DDXXI WNIHY YLZTV PWWAG WHWEG KRNZY  
MTFHZ OCHPO YKXB CXVW PPXUA GYVRQ QYHEW  
UPMNS TOGHB AEKLF UYYTR LGWKQ OC

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

Belgian  
 Message  
 Basic  
 Table

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

P O E O N C E

Q A H O X O S

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

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

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

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

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

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  
REF ID: A273674  
X O U R M E S

S A R E R E S E

1 2 REF ID: A273674 OF HER HERO

SHE CAN SEE

THINGS THAT DO NOT SHOW SO CLEAR TO

YOU OR ME

FOR HER FOOT LOOK EVERY SEEMS

TO BE COT FOR BY HER DREAMS

IN WHICH GOLDEN SUNS HAVE LEAMS

END THE SLY

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3Y-TADOK-	000VIAFBZ	ZCC-TMST	NOSZXTHI	KPMSPDRM	U3AVZZMP	ADAD-T-0YI	LIPE00	MDAM3T	00 00	PT 00	TE 00	ZM 00	SR 00	SE 00	ZR 00	XO
BY-TADOK-	000VIAFBZ	ZCC-TMST	NOSZXTHI	KPMSPDRM	U3AVZZMP	ADAD-T-0YI	LIPE00	MDAM3T	00 00	PT 00	TE 00	ZM 00	SR 00	SE 00	ZR 00	XO

000VIAFBZ	ZCC-TMST	NOSZXTHI	KPMSPDRM	U3AVZZMP	ADAD-T-0YI	LIPE00	MDAM3T	00 00	PT 00	TE 00	ZM 00	SR 00	SE 00	ZR 00	XO
000VIAFBZ	ZCC-TMST	NOSZXTHI	KPMSPDRM	U3AVZZMP	ADAD-T-0YI	LIPE00	MDAM3T	00 00	PT 00	TE 00	ZM 00	SR 00	SE 00	ZR 00	XO

J Y M W B (O) R I O H G K V I REF ID: A273674

S L M P U S U A W V U C R V O R

V U C R V (O) R

P A C I B H M Y U U R E S N T L G

Y U U R E S N T L G

E X E T (J) U F O K M T (Y) S (D) N

D O X W I W Z T G O V G W

I F B O F C D T X G A N C Q H

P Q V R (J) F B G M (P) W H N Z V Q

R J F B G M P W H N Z V Q

J P A L U Q C Y I J U G H T

L C H S Y (O) Y C U Q M

Y X X G Y Q T T

J K F N Z X T Y G K E

E (N) Z X T Y G K E

X X F P

(A) Z K V B K D M Y Q Q

J M Y Q Q

K A

E S T L Y M Q T T I C I

Z (N) N C K (O) R (V) T X K D (B) A Z

B A (W) D Y I U J E N B D J Y

N Y E G N (I) T F E O

X L V G K I Y P D J Y L Y M W N Y

V L L S V (O) H Q (Z) H M I N C V V

Z C V V

L U K F C A H N X E

Z Y N L Q U O (V) O Z U Z U K X C

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

} AL1

Eq. 2-3-4

AL5

Bugman Message Alphs.

AL1 was CW5 reversed

AL5 " CW1 direct

GORDON-Z  
write ELEANOR } Key

Setting 5-4-3-2-1 with 5 and 4 inverted



J W N Z  
 1 2 3 4 5 6  
 O P R U W  
 T G  
 H O  
 L T  
 S  
 E T  
 B E  
 P U  
 A Y  
 S D  
 K J  
 I P  
 M R  
 Y W  
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 O R  
 E W  
 M P  
 REF ID: A273874  
 S  
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 N M  
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 I D  
 W x  
 S E  
 R H  
 N I  
 F  
 G K  
 C M  
 V a  
 Y U  
 S H  
 H a  
 S H

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

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

Brugman ~~ALI~~ ALI

IN THE PHOTO OF HER HEROSHECANS IN THE PHOTO OF HER HEROSHECANS  
EETHINGS THAT DONOT SHOWS OCLE EETHINGS THAT DONOT SHOWS OCLE  
PART TO YOU OR ME FOR HER OUTLOOK PART TO YOU OR ME FOR HER OUTLOOK  
EVER SEEMS TO BE COLORED BY HER DEVER SEEMS TO BE COLORED BY HER

IN THE PHOTO OF HER HEROSHECANS IN THE PHOTO OF HER HEROSHECANS  
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PART TO YOU OR ME FOR HER OUTLOOK PART TO YOU OR ME FOR HER OUTLOOK  
EVER SEEMS TO BE COLORED BY HER DEVER SEEMS TO BE COLORED BY HER  
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IN THE PHOTO OF HER HEROSHECANS  
EETHINGS THAT DONOT SHOWS OCLE PART TO YOU OR ME

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F S R U X M M F Y E P A J I U K X

S R U X M M F Y E P A J I U K X J S Q S Q Z I R K

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  
T R N S P Q R S T U V W X Y Z

A V A L M B M F Y E P A J I U K X J S Q S Q Z I R K  
S R U X M M F Y E P A J I U K X J S Q S Q Z I R K

Y O T L O R U T P R O V N O M M A E P Z N R P T O P O S S E T P R U C X O G Z U E T R M Z A C O R P R P

F P Q Q X Q Z U R T R E Z A O P R P Z A T O T B N T A T T P Y A T T P A R M X E T R A T I V O O T E U A T

L A G R E E R A T I V O O T I U D H V O Z G A E K V E S S C H O T M S T X O M C Z Y T H R U S K T A T U M S

L S M O E P E T R U S K T A T U M S T X O M C Z Y T H R U S K T A T U M S  
B E Y X M P E T R U S K T A T U M S T X O M C Z Y T H R U S K T A T U M S

L S M O E P E T R U S K T A T U M S T X O M C Z Y T H R U S K T A T U M S  
W T Y U O T A Y N P O E M S Z

U S Q S G Z I R X P H T I

U S Q S G Z I R X P H T I

P Z N S P T P P O S

P T O I C P T T X P

V O G A K U I S S

U Z O A V T L N O P S Z