

# College Cryptografie

Cursusjaar 2006

Cryptoanalyse van Transposities

3 februari 2006



Kolomtranspositie  
Ongelijke kolommen  
Berichtlengte gelijk

**ONDERWERPEN**



## *Oplosschema*

- bepaal afmetingen transpositieblok  
mogelijkheden bij 72 letters:
  - een blok  
 $2 \times 36, 3 \times 24, 4 \times 18, 6 \times 12, 8 \times 9, 9 \times 8, 12 \times 6, 18 \times 4, \dots$
  - meerdere blokken  
2 van 36:  $4 \times 9, 6 \times 6, 9 \times 4$ ; 3 van 24:  $4 \times 6, 6 \times 4$ ; ...
- deel cryptogram op in kolommen
- anagrammeer de kolommen

Voorbeeld: Italiaans, militair bericht, 72 letters, 1 blok

RIOQK DEEFG ATCIE EGNEE NRMEN NTOAV PTINT BAALL  
IUSUR OSNOE NACGC YZATA MLALR ROKOI IA

## zoek regelmatige verdeling klinkers

2 R C N A O M  
4 I I N A E L  
3 O E T L N A  
3 Q E O L A L  
2 K G A I C R  
1 D N V U G R  
2 E E P S C C  
3 E E T U V K  
2 F N I R Z O  
3 G R N O A I  
2 A M T S T I  
3 T E B N A A

12×6

4 R G E O A O C L  
5 I A E A A S V R  
1 O T N V L N Z R  
3 Q C R P L O A O  
3 K I M T I E T K  
6 D E E I U N A O  
4 E E N N S A M I  
3 E G N T U C L I  
2 F N T B R G A A

9×8

3 R F G N I I O Z R  
4 I G N N N U E A R  
4 O A E T T S N T O  
5 Q T E O B U A A K  
3 K C N A A R C M O  
4 D I R V A O G L I  
4 E E M P L S C A I  
4 E E E T L N V L A

8×9

# Kolomtranspositie



## transpositieblok geselecteerd

2 R C N A O M  
4 I I N A E L  
3 O E T L N A  
3 Q E O L A L  
2 K G A I C R  
1 D N V U G R  
2 E E P S C C  
3 E E T U V K  
2 F N I R Z O  
3 G R N O A I  
2 A M T S T I  
3 T E B N A A

12×6

4 R G E O A O C L  
5 I A E A A S V R  
1 O T N V L N Z R  
3 Q C R P L O A O  
3 K I M T I E T K  
6 D E E I U N A O  
4 E E N N S A M I  
3 E G N T U C L I  
2 F N T B R G A A

9×8

3 R F G N I I O Z R  
4 I G N N N U E A R  
4 O A E T T S N T O  
5 Q T E O B U A A K  
3 K C N A A R C M O  
4 D I R V A O G L I  
4 E E M P L S C A I  
4 E E E T L N V L A

8×9

# Kolomtranspositie



start anagrammeren

123456789  
RFGNIIOZR  
IGNNNUEAR  
OAETTSNTO  
QTEOBUAAK  
KCNAARCMO  
DIRVAOGLI  
EEMPLSCAI  
EETLNVLA

**Kolomtranspositie**



## gidsletters Q en U gespot

123456789  
RFGNIIOZR  
IGNNNUEAR  
OAETTSNTO  
QTEOB~~U~~AAK  
KCNAARCMO  
DIRVAOGLI  
EEMPLSCAI  
EEETLNVLA

**Kolomtranspositie**



## QU bigram geselecteerd

123456789	1 6
RFGNIIOZR	R I
IGNNNUEAR	I U
OAETTSNTO	O S
QTEOBJAAK	Q U
KCNAARCMO	K R
DIRVAOGLI	D O
EEMPLSCAI	E S
EEETLNVLA	E N

Kolomtranspositie





## derde kolom bijzoeken

123456789	1 6	1 6 3	1 6 4	1 6 7	1 6 8
RFGNIIOZR	R I	R I G	R I N	R I O	R I Z
IGNNNUEAR	I U	I U N	I U N	I U E	I U A
OAETTSNTO	O S	O S E	O S T	O S N	O S T
QTEOBAAK	Q U	Q U E	Q U O	Q U A	Q U A
KCNAARCMO	K R	K R N	K R A	K R C	K R M
DIRVAOGLI	D O	D O R	D O V	D O G	D O L
EEMPLSCAI	E S	E S M	E S P	E S C	E S A
EEETLNVLA	E N	E N E	E N T	E N V	E N L

## bigramtelling bijzoeken

123456789	1 6	1 6 3	1 6 4	1 6 7	1 6 8
RFGNIIIOZR	R I	R I G 40	R I N 114	R I O 110	R I Z 5
IGNNNUEAR	I U	I U N 46	I U N 46	I U E 40	I U A 35
OAETTSNTO	O S	O S E 91	O S T 94	O S N 0	O S T 94
QTEOBUA AK	Q U	Q U E	Q U O	Q U A	Q U A
KCNAARCMO	K R	K R N 16	K R A 124	K R C 24	K R M 16
DIRVAOGLI	D O	D O R 108	D O V 42	D O G 19	D O L 81
EEMPLSCAI	E S	E S M 11	E S P 16	E S C 35	E S A 30
EEETLNVLA	E N	E N E 110	E N T 124	E N V 5	E N L 3

## derde kolom geselecteerd

123456789	1 6	1 6 3		1 6 4		1 6 7		1 6 8	
RFGNIIOZR	R I	R I G	40	R I N	114	R I O	110	R I Z	5
IGNNUEAR	I U	I U N	46	I U N	46	I U E	40	I U A	35
OAETTSNTO	O S	O S E	91	O S T	94	O S N	0	O S T	94
QTEOBAAK	Q U	Q U E		Q U O		Q U A		Q U A	
KCNAARCMO	K R	K R N	16	K R A	124	K R C	24	K R M	16
DIRVAOGLI	D O	D O R	108	D O V	42	D O G	19	D O L	81
EEMPLSCAI	E S	E S M	11	E S P	16	E S C	35	E S A	30
EEETLNVLA	E N	E N E	110	E N T	124	E N V	5	E N L	3

## vierde kolom bijzoeken

123456789	1 6 4
RFGNIIOZR	R I N
IGNNUEAR	I U N
OAEITSNTO	O S T
QTEOBUAAK	Q U O
KCNAARCMO	K R A
DIRVAOGLI	D O V
EEMPLSCAI	E S P
EEETLNVLA	E N T

## vierde kolom bijzoeken

123456789	1 6 4	1 6 4 2	1 6 4 5	1 6 4 9
RFGNIIOZR	R I N	R I N F 5	R I N I 54	R I N R 0
IGNNNJEAR	I U N	I U N G 13	I U N N 24	I U N R 0
OAEITSNTO	O S T	O S T A 121	O S T T 56	O S T O 113
QTEOBUAAK	Q U O	Q U O T 30	Q U O B 8	Q U O K 0
KCNAARCMO	K R A	K R A C 54	K R A A 24	K R A O 13
DIRVAOGLI	D O V	D O V I 38	D O V A 24	D O V I 38
EEMPLSCAI	E S P	E S P E 67	E S P L 0	E S P I 27
EEETLNVLA	E N T	E N T E 102	E N T L 0	E N T A 121

## vierde kolom geselecteerd

123456789	1 6 4	1 6 4 2	1 6 4 5	1 6 4 9
RFGNIIOZR	R I N	R I N F 5	R I N I 54	R I N R 0
IGNNNJEAR	I U N	I U N G 13	I U N N 24	I U N R 0
OAEITSNTO	O S T	O S T A 121	O S T T 56	O S T O 113
QTEOBUAAK	Q U O	Q U O T 30	Q U O B 8	Q U O K 0
KCNAARCMO	K R A	K R A C 54	K R A A 24	K R A O 13
DIRVAOGLI	D O V	D O V I 38	D O V A 24	D O V I 38
EEMPLSCAI	E S P	E S P E 67	E S P L 0	E S P I 27
EEETLNVLA	E N T	E N T E 102	E N T L 0	E N T A 121

## resterende kolommen

123456789	1 6 4 2
REGNIOZR	R I N F
IGNNUEAR	I U N G
OAEITSNTO	O S T A
QTEOBAAK	Q U O T
KCNAAFCMO	K R A C
DIRVACGLI	D O V I
EEMPLSCAI	E S P E
EEETLNVLA	E N T E

## SPECIAL gespot

123456789	1 6 4 2	1 6 4 2
REGNIOZR	R I N F	R I N F
IGNNUEAR	I U N G	I U N G
OAEITSNTO	O S T A	O S T A
QTEOBAAK	Q U O T	Q U O T
KCNAAFMO	K R A C	K R A C
DIRVACGLI	D O V I	D O V I
EEMPLSCAI	E S P E	E S P E C I A L
EEETLNVLA	E N T E	E N T E



## SPECIAL ingevuld

123456789	1 6 4 2	1 6 4 2 7 9 8 5
RFGNIIOZR	R I N F	R I N F O R Z I
IGNNUEAR	I U N G	I U N G E R A N
OAEITSNTO	O S T A	O S T A N O T T
QTEOBUAAK	Q U O T	Q U O T A K A B
KCNAARCMO	K R A C	K R A C C O M A
DIRVAOGLI	D O V I	D O V I G I L A
EEMPLSCAI	E S P E	E S P E C I A L
EEETLNVLA	E N T E	E N T E V A L L

## anagrammeren voltooid

123456789	1 6 4 2 7 9 8 5 3
RFGNIIOZR	R I N F O R Z I G
IGNNNUEAR	I U N G E R A N N
OAETTSNTO	O S T A N O T T E
QTEOBUAAK	Q U O T A K A B E
KCNAARCMO	K R A C C O M A N
DIRVAOGLI	D O V I G I L A R
EEMPLSCAI	E S P E C I A L M
EEETLNVLA	E N T E V A L L E

## kolomvariatie maakt anagrammeren lastig

			E L	
			C P T K	
			C A E T C A	
7 1 5 3 6 2 4				
A T T A C K P	T K P T N O O	T K P T N O O	T C C E L K A	
O S T P O N E	S N T L E I D	S N T L E I D	S K A P T C O	
D U N T I L T	U L E T K O H	U L E T K O H	U N P E T O D	
H R E E O C L	R C P T C A O	R C P T C A O	R L T T N I H	
O C K	C A E	C A E	E O O	
	LLLKKKK		KKKKLLL	

cryptogram: TSURC KNLCA PTEPE TLTTN EKCOI OAODH O

twee berichten, dezelfde transpositie

*bericht 1*

BNTSE	ARKCL	CETT	BITER	ROTAE	LTNNO	NNENO
OTOKM	SZTGN	YITDK	LANAE	FTFSN	PGNPA	RWOIA
OFGTF	CTOTD	NINOE	WXERF	ASIOS	TIDRR	RMMAO
ARPAT	OUTIO	BIEOA	GAAPN	EIK		

*bericht 2*

BNTSE	INDOT	LCETS	AFPLE	RROMO	ISOEN	NONST
IIUTO	KMFEY	KPCYI	TDVSI	NTAEF	TFSTO	NTNAR
WOARO	EEKTF	CTTLT	AEANO	EWXPV	TITIO	STTTF
OCMMA	OOSCA	NROUT	IEELS	OAGAA	ABITR	T

## overeenkomstige stukken

### *bericht 1*

BNTSE	ARKCL	CETTN	BITER	ROTAE	LTNNO	NNENO
OTOKM	SZTGN	YITDK	LANAE	FTFSN	PGNPA	RWOIA
OFGTF	CTOTD	NINOE	WXERF	ASIOS	TIDRR	RMMAO
ARPAT	OUTIO	BIEOA	GAAPN	EIK		

### *bericht 2*

BNTSE	INDOT	LCETS	AFPLE	RROMO	ISOEN	NONST
IIUTO	KMFEY	KPCYI	TDVSI	NTAEF	TFSTO	NTNAR
WOARO	EEKTF	CTTLT	AEANO	EWXPV	TITIO	STTTF
OCMMA	OOSCA	NROUT	IEELS	OAGAA	ABITR	T

identieke  
delen van het  
cryptogram  
uitgelijnd

A verstoort  
patroon  
toevalstreffer!  
hoort aan eind  
vorige regel

*bericht 1*

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

*bericht 2*

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

Ongelijke kolommen



## opgesteld in kolommen: identiek begin!

*bericht 1*

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

*bericht 2*

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

Ongelijke kolommen



## in 1 lange kolommen naar links

*bericht 1*

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

*bericht 2*

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



## in 2 dezelfde kolommen naar links

*bericht 1*

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

*bericht 2*

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

Ongelijke kolommen



in 2 overige lange kolommen naar links

*bericht 1*

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

*bericht 2*

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

Ongelijke kolommen



## in 1 dezelfde kolommen naar links

*bericht 1*

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

*bericht 2*

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

Ongelijke kolommen



## 1 en 2 simultaan anagrammeren in I, II en III

*bericht 1*

E N	B E T Y A T M A	L N I O
F O	N R O I R F M G	C N O U
T E	T R K T W C A A	E O S T
F W	S O M D O T O A	T N T I
S X	E T S K I O A P	T N I O
N E	A A Z L A T R N	N E D B
P R	R E T A O D P E	B N R I
G F	K L G N F N A I	I O R E
N A	C T N A G I T K	T O R O
P S		
I	II	III

*bericht 2*

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

Ongelijke kolommen



## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
(2) A E B P S O U R P E M O C E E T U N R I S T E R S  
(3) A F O E T O R T D A E R T E F D I N C A S E R E T  
(4) T U O P W A R U R E F F O Y A E E D F O R D R C R

**vier delen met identieke transpositie**

**Berichtlengte gelijk**



## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
(2) A E B P S O U R P E M O C E E T U N R I S T E R S  
(3) A F O E T O R T D A E R T E F D I N C A S E R E T  
(4) T U O P W A R U R E F F O Y A E E D F O R D R C R

**vier delen met identieke transpositie**  
**simultaan anagrammeren**

**Berichtlengte gelijk**



## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
(2) A E B P S O U R P E M O C E E T U N R I S T E R S  
(3) A F O E T O R T D A E R T E F D I N C A S E R E T  
(4) T U O P W A R U R E F F O Y A E E D F O R D R C R

suggesties in (1) ATTACK, ENEMY

## From General Calamity to Major Catastrophy

- (1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

kandidaatletters voor (1) ATTACK, ENEMY

(1)	A	T	T	A	C	K	E	N	E	M	Y			
(2)	P	R	S	A	U	N	A	U	N	P	R	S	I	S
(3)	E	C	T	A	I	N	A	I	N	E	C	T	A	S
(4)	P	F	R	T	E	D	T	E	D	P	F	R	O	R

Berichtlengte gelijk





## From General Calamity to Major Catastrophy

- (1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

selecteer simultane tekst (2) SUNRIS[E], (4) [R]EWARD

(1)	A	T	T	A	C	K	E	N	E	M	Y															
(2)	P	R	S	A	U	N	A	U	N	P	R	S	I	S	E	O	T	E	S	E	E	O	T	E	U	T
(3)	E	C	T	A	I	N	A	I	N	E	C	T	A	S	F	O	D	R	T	F	F	O	D	R	R	E
(4)	P	F	R	T	E	D	T	E	D	P	F	R	O	R	U	A	E	R	W	A	U	A	E	R	R	D

## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

geselecteerd (2) SUNRIS[E], (4) [R]EWARD

(1)	A	T	T	A	C	K	E	N	E	M	Y
(2)	P	R	S	A	U	N	P	R	S	I	S
(3)	E	C	T	A	I	N	E	C	T	A	S
(4)	P	F	R	T	E	D	T	E	D	P	F
	R	O	R	O	R	W	A	U	A	E	R

## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
(2) A E B P S O U R P E M O C E E T U N R I S T E R S  
(3) A F O E T O R T D A E R T E F D I N C A S E R E T  
(4) T U O P W A R U R E F F O Y A E E D F O R D R C R

zoek aansluitende letters

(1)	?	ATTACK	?	?	ENEMY	?
(2)	?	SUNRIS	?	?	TSOUT	?
(3)	?	TINCAS	?	?	DTORE	?
(4)	?	REDFOR	?	?	EWARD	?

## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

(2) SUNRISE, (3) IN CASE OF, (4) REWARD

(1)	?	ATTACK	S	H	EN	SE	ENEMY	?
(2)	?	SUNRIS	E	B	EE	PE	TSOUT	?
(3)	?	TINCAS	E	O	F	DR	DTORE	?
(4)	?	REDFOR	Y	O	UA	R	EWARD	?

## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
(2) A E B P S O U R P E M O C E E T U N R I S T E R S  
(3) A F O E T O R T D A E R T E F D I N C A S E R E T  
(4) T U O P W A R U R E F F O Y A E E D F O R D R C R

zoek woorden in restant letters

(1)	?	ATTACKSHE	?	?	SE	ENEMY	?
(2)	?	SUNRISEBE	?	?	PE	TSOUT	?
(3)	?	TINCASEOF	?	?	DR	DTORE	?
(4)	?	REDFORYOU	?	?	R	EWARD	?

## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

(2) PREPARE, (3) DEFEAT

(1)	?	ATTACKSHE	?	?	SE	ENEMY	?
(2)	?	SUNRISEBE	?	?	PE	TSOUT	?
(3)	?	TINCASEOF	?	?	DR	DTORE	?
(4)	?	REDFORYOU	?	?	R	EWARD	?

## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

kandidaten voor (3) DEFEAT

(1)	ATTACKSHE	SE	ENEMY	S	A	L	I	N	A	L	I	T	L	G	W
(2)	SUNRISEBE	PE	TSOUT	P	P	M	R	E	P	M	R	A	E	R	C
(3)	TINCASEOF	DR	DTORE	D	E	F	E	A	T						
(4)	REDFORYOU	R	EWARD	R	P	F	C	A	P	F	C	T	E	U	O

## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

selecteer (2) PREPAR[E], lost op [R]EWARD

(1)	ATTACKSHE	SE	ENEMY	S	A	L	I	N	A	L	I	T	L	G	W
(2)	SUNRISEBE	PE	TSOUT	P	P	M	R	E	P	M	R	A	E	R	C
(3)	TINCASEOF	DR	DTORE	D	E	F	E	A	T						
(4)	REDFORYOU	R	EWARD	R	P	F	C	A	P	F	C	T	E	U	O



## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
(2) A E B P S O U R P E M O C E E T U N R I S T E R S  
(3) A F O E T O R T D A E R T E F D I N C A S E R E T  
(4) T U O P W A R U R E F F O Y A E E D F O R D R C R

vul in PREPAR[E], DEFEAT, REWARD

(1)	ATTACKSHE	EENEMY	? SINATG ?
(2)	SUNRISEBE	ETSOUT	? PREPAR ?
(3)	TINCASEOF	RDTORE	? DEFEAT ?
(4)	REDFORYOU	REWARD	? RCAPTU ?

## From General Calamity to Major Catastrophy

(1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
(2) A E B P S O U R P E M O C E E T U N R I S T E R S  
(3) A F O E T O R T D A E R T E F D I N C A S E R E T  
(4) T U O P W A R U R E F F O Y A E E D F O R D R C R

suggestie ENEMY WILL ATTACK

(1)	ATTACKSHE	EENEMY	? SINATG ?
(2)	SUNRISEBE	ETSOUT	? PREPAR ?
(3)	TINCASEOF	RDTORE	? DEFEAT ?
(4)	REDFORYOU	REWARD	? RCAPTU ?

## From General Calamity to Major Catastrophy

- (1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

### ENEMY WILL ATTACK

(1)	EENEMYWI	L	L	ATTACKSHE	SINATG
(2)	ETSOUTCO	E M	E M	SUNRISEBE	PREPAR
(3)	RDTORETR	A E	A E	TINCASEOF	DEFEAT
(4)	REWARDOF	E F	E F	REDFORYOU	RCAPTU

## From General Calamity to Major Catastrophy

- (1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
 (2) A E B P S O U R P E M O C E E T U N R I S T E R S  
 (3) A F O E T O R T D A E R T E F D I N C A S E R E T  
 (4) T U O P W A R U R E F F O Y A E E D F O R D R C R

### RETREAT IN CASE OF DEFEAT

(1)	EENEMYWI	L	L	ATTACKSHE	SINATG
(2)	ETSOUTCO	E M	E M	SUNRISEBE	PREPAR
(3)	RDTORETR	A E	A E	TINCASEOF	DEFEAT
(4)	REWARDOF	E F	E F	REDFORYOU	RCAPTU

## From General Calamity to Major Catastrophy

- (1) T E H A N E M G S L L I W S N E T T A C K Y E I A  
(2) A E B P S O U R P E M O C E E T U N R I S T E R S  
(3) A F O E T O R T D A E R T E F D I N C A S E R E T  
(4) T U O P W A R U R E F F O Y A E E D F O R D R C R

oplossing

(1)	E	N	E	M	Y	W	I	L	L	A	T	T	A	C	K	S	H	E	S	I	N	A	T	G	E
(2)	T	S	O	U	T	C	O	M	E	S	U	N	R	I	S	E	B	E	P	R	E	P	A	R	E
(3)	D	T	O	R	E	T	R	E	A	T	I	N	C	A	S	E	O	F	D	E	F	E	A	T	R
(4)	E	W	A	R	D	O	F	F	E	R	E	D	F	O	R	Y	O	U	R	C	A	P	T	U	R

Berichtlengte gelijk

