Non-Written Words
By Ladislav Nebeský

My present programme can be expressed shortly: ***to read non-written words***. I distinguish three main kinds of readable non-written words: 1.***invisible*** words; 2.***non-present*** words; 3.***non-reachable*** words.

By the ***cyclic alphabet ordering*** I mean the cyclic ordering of letters derived from the alphabetic ordering in such a way that letter „a" immediatelly follows letter „z".

Consider the following interrupted sequence of letters:

(i) t u v w x z a b c d

We can say that (i) has been obtained from fragment

(ii) t u v w x y z a b c d

of the cyclic alphabet ordering such that letter „y" was replaced by an empty place. But I interpret (i) differently: as fragment(ii) with ***invisible*** letter „y". Such an interpretation allows us to read invisible letters „p", „o", „e", and „m" on the white line in E***xample*** 1 (next page) and thus to read invisible word „poem" there.

Consider the following sequence:

(iii) t u v w x z a b c d

We can say that (iii) has been obtained from frament (ii) in such a manner that letter „y" was deleted. In my interpretation, the letter „y" is not invisible in (iii) but it is ***non-present*** there. Such an interpretation allows us to read non-present letters between the fourth and fifth lines in ***Example*** 2A and thus to read the non-present word „poem" there.

Consider the following line:

(iv) ttttt uuuu vvv ww x

We can find five items of „t", four items of „u", three items of „v", two items of of „w", one items of „x", and no items of „y" there. Letter „y" can be considered as non-present in (iv). Such an interpretation allows us to read non-present letters in ***Example*** 2B and thus to read the non-present word „poem" even there.

Consider the following two lines:

(v) x y z a b c d e f g h
(vi) x y z a b c d

We can imagine that the sequence on line (vi) continues similarly as that on line (v), i.e that sequence „x y z a b c d" on line (vi) continues by „e f g h" after the last column of the page; these letters are ***non-reachable*** on line (vi). That allows us to imagine non-reachable letters and consequently a non-reachable occurence of

the word „poem“ both in *Example* 3A and in *Example* 3B. We can read this non-reachable word under the last line of the page in *Example* 3A and after the last column of the page in *Example* 3B.

(Ladislav Nebeský)

Example 1.

```
l k a i
m l b j
n m c k
o n d l

q p f n
r q g o
s r h p
t s i q
```

Example 2A.

```
l k a i
m l b j
n m c k
o n d l
q p f n
r q g o
s r h p
t s i q
```

Example 2B.

```
llll mmm nn o
kkkk lll mm n
aaaa bbb cc d
iiii jjj kk l
```

Example 3A.

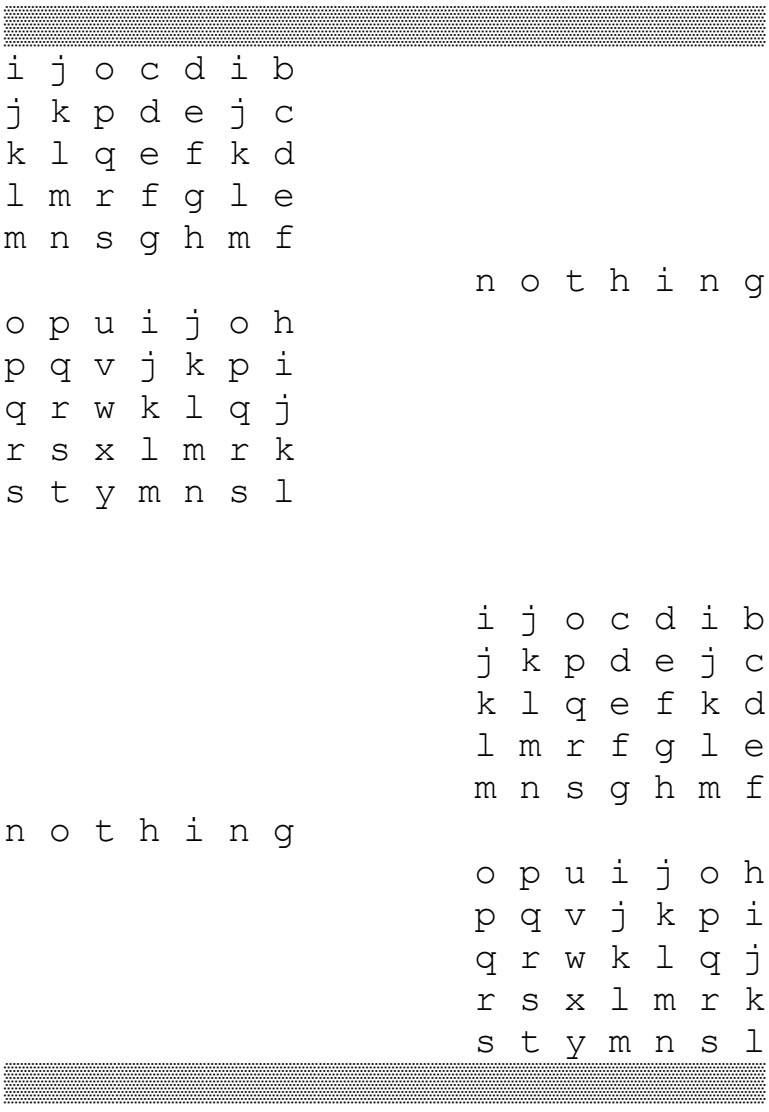
```
l k a i
m l b j
n m c k
o n d l
p o e m
q p f n
r q g o
s r h p
t s i q    l k a i
           m l b j
           n m c k
```

Example 3B.

```
l k a i    l k a i
  m l b j    m l b j
    n m c k
      o n d l
        p o e m
      q p f n
    r q g o
  s r h p    s r h p
t s i q    t s i q
```

POEMS

I.


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

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

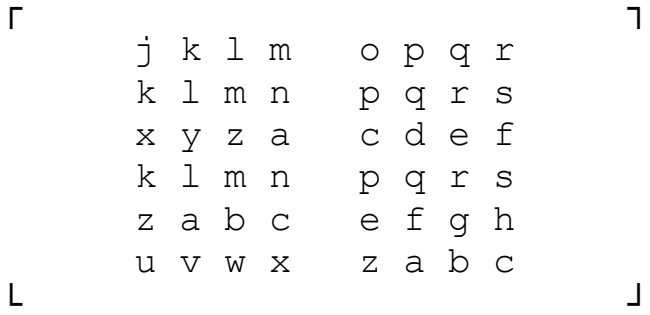
i j o c d i b
j k p d e j c
k l q e f k d
l m r f g l e
m n s g h m f
o p u i j o h
p q v j k p i
q r w k l q j
r s x l m r k
s t y m n s l

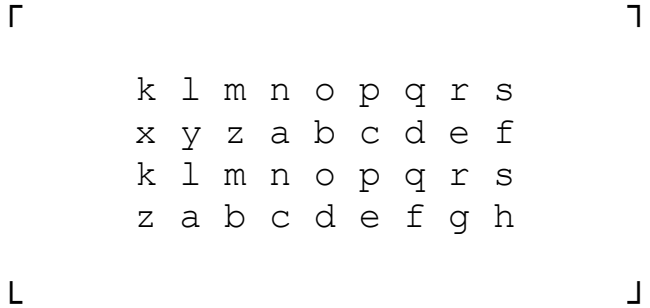
II.

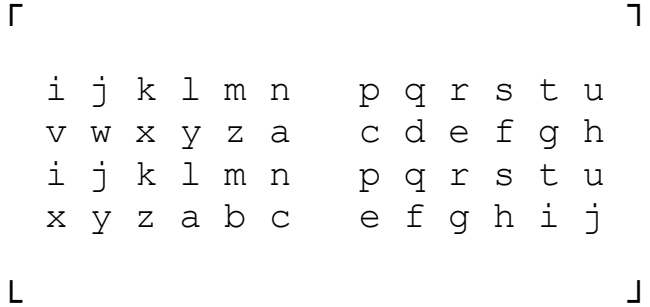
```
h i j k l m   o p q r s t
i j k l m n   p q r s t u
v w x y z a   c d e f g h
i j k l m n   p q r s t u
x y z a b c   e f g h i j
s t u v w x   z a b c d e
```

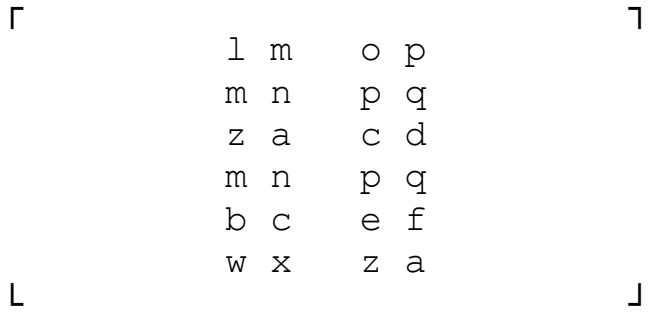
```
h i j k l m n o p q r s t
i j k l m n o p q r s t u
v w x y z a b c d e f g h
i j k l m n o p q r s t u
x y z a b c d e f g h i j
s t u v w x y z a b c d e
```

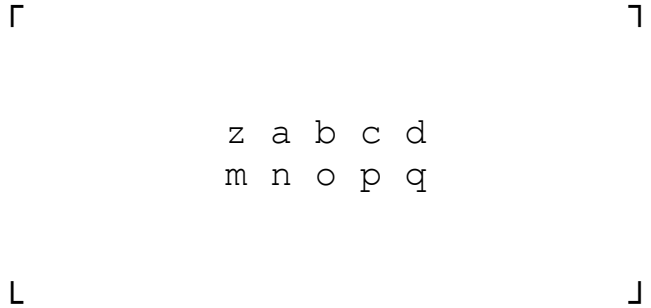
```
h i j k l m   o p q r s t
i j k l m n   p q r s t u
v w x y z a   c d e f g h
i j k l m n   p q r s t u
x y z a b c   e f g h i j
s t u v w x   z a b c d e
```

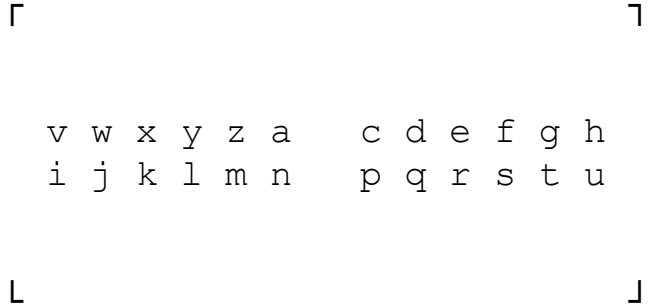

j k l m o p q r
k l m n p q r s
x y z a c d e f
k l m n p q r s
z a b c e f g h
u v w x z a b c


k l m n o p q r s
x y z a b c d e f
k l m n o p q r s
z a b c d e f g h


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


l m o p
m n p q
z a c d
m n p q
b c e f
w x z a


z a b c d
m n o p q


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

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III.

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

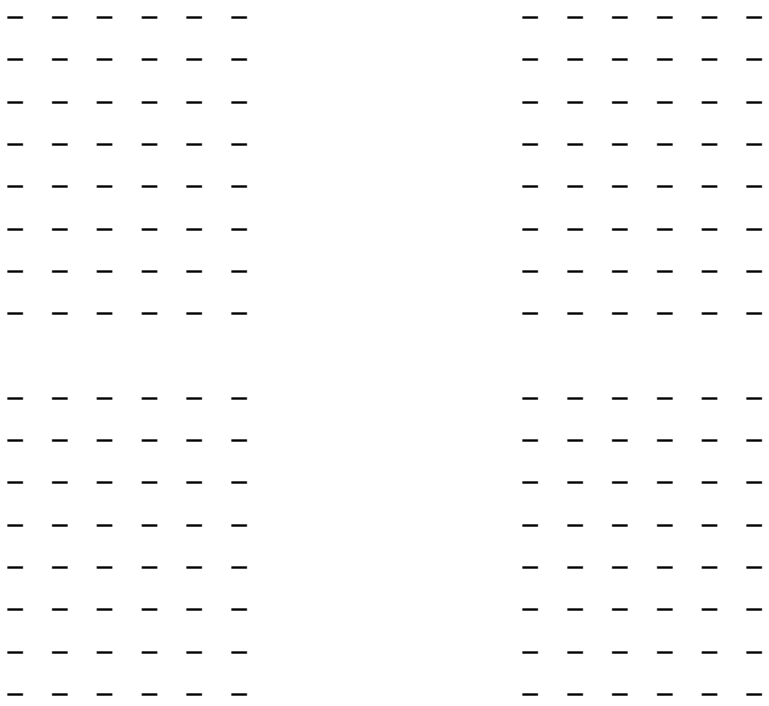
q w d d g o
r x e e h p
s y f f i q
t z g g j r
u a h h k s
v b i i l t
w c j j m u
x d k k n v

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

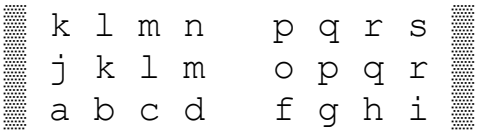
z f m m p x
a g n n q y
b h o o r z
c i p p s a
d j q q t b
e k r r u c
f l s s v d
g m t t w e

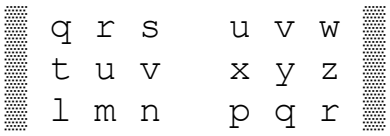
```
- - - - - -
- - - - - -
- - - - - -
- - - - - -
u a h h k s
v b i i l t
w c j j m u
x d k k n v

z f m m p x
a g n n q y
b h o o r z
c i p p s a
- - - - - -
- - - - - -
- - - - - -
- - - - - -
```

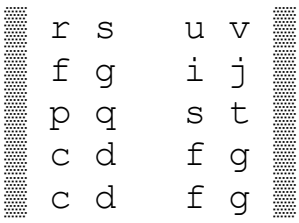
```
- - - - - -
- - - - - -
- - - - - -
- - - - - -
r e k h a p
s f l i b q
t g m j c r
u h n k d s

w j p m f u
x k q n g v
y l r o h w
z m s p i x
- - - - - -
- - - - - -
- - - - - -
- - - - - -
```

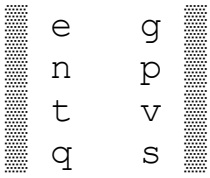


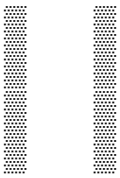
IV.


k l m n p q r s
j k l m o p q r
a b c d f g h i


q r s u v w
t u v x y z
l m n p q r


r s u v
f g i j
p q s t
c d f g
c d f g


e g
n p
t v
q s



V.

uuuuuu vvvvv wwww xxx yy z
vvvvvv wwwww xxxx yyy zz a
mmmmmm nnnnn oooo ppp qq r
yyyyyy zzzzz aaaa bbb cc d
hhhhhh iiiii jjjj kkk ll m
wwwwww xxxxx yyyy zzz aa b
yyyyyy zzzzz aaaa bbb cc d

VI.

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

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

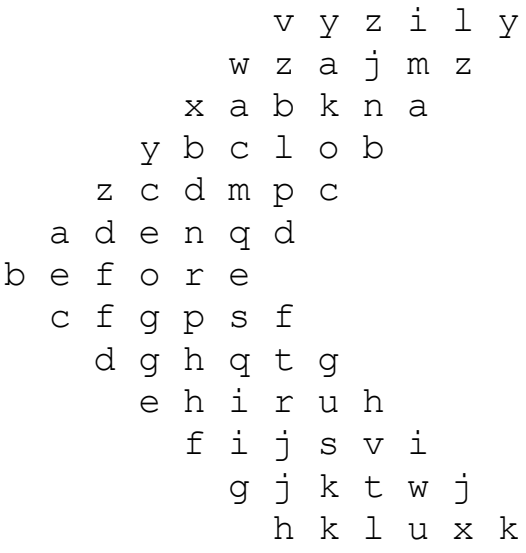
a x v w i
b y w x j
c z x y k
d a y z l
e b z a m
f c a b n
g d b c o
h e c d p
i f d e q
j g e f r
k h f g s

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

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

a

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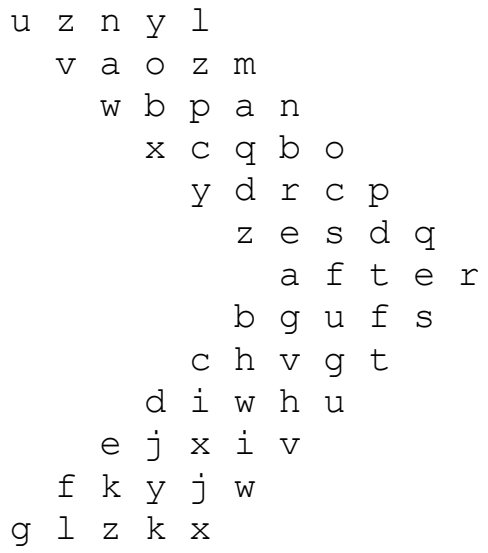
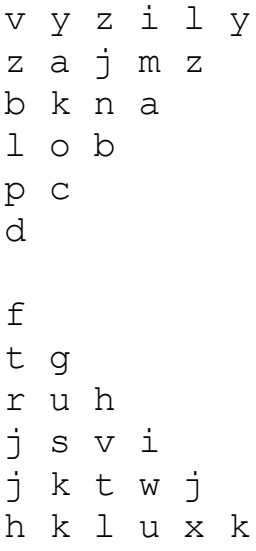
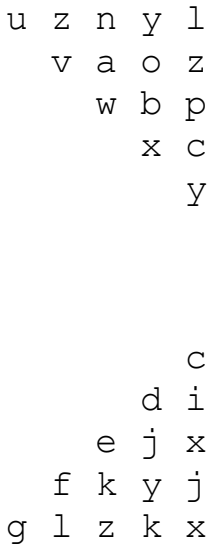
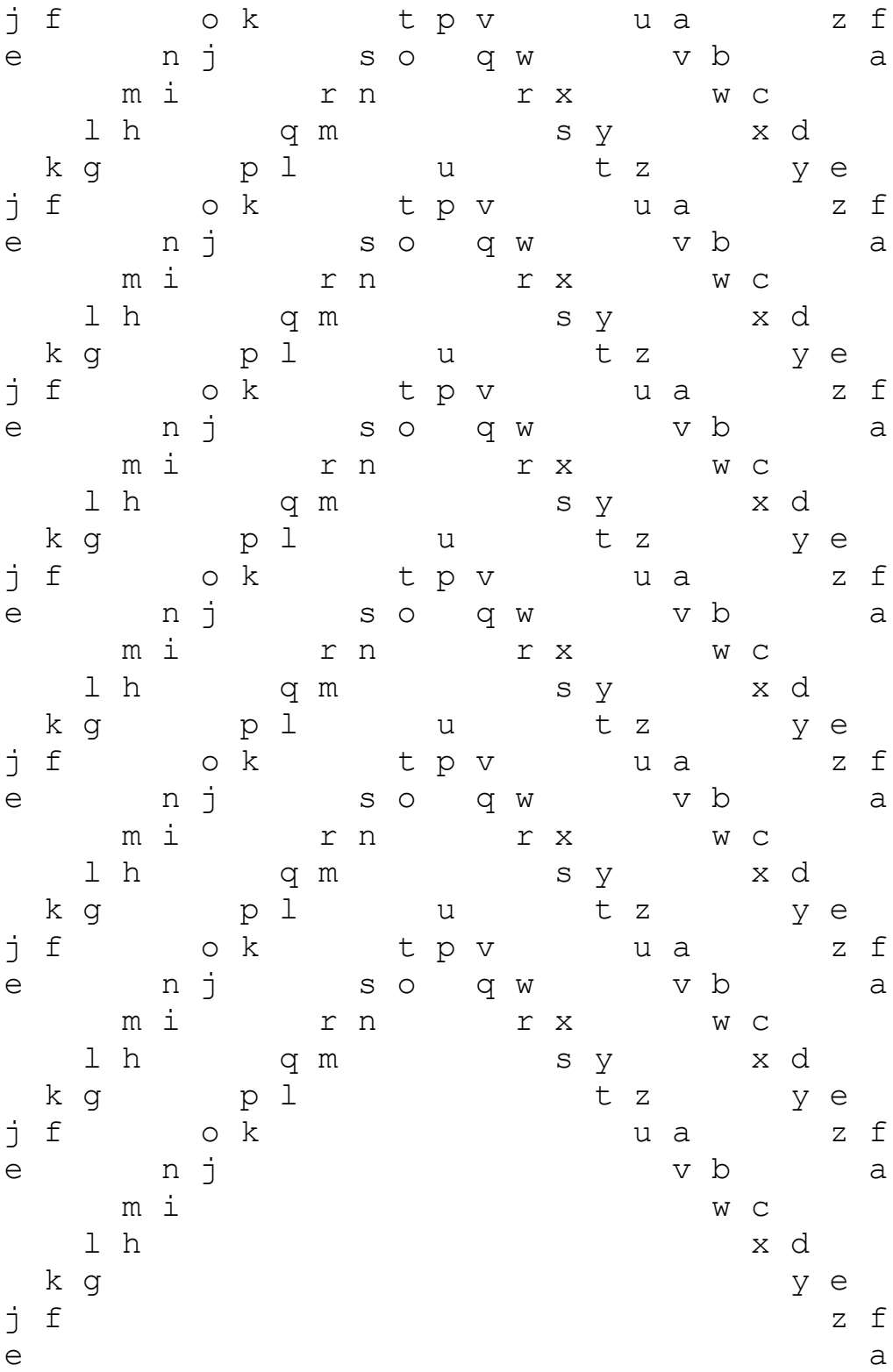
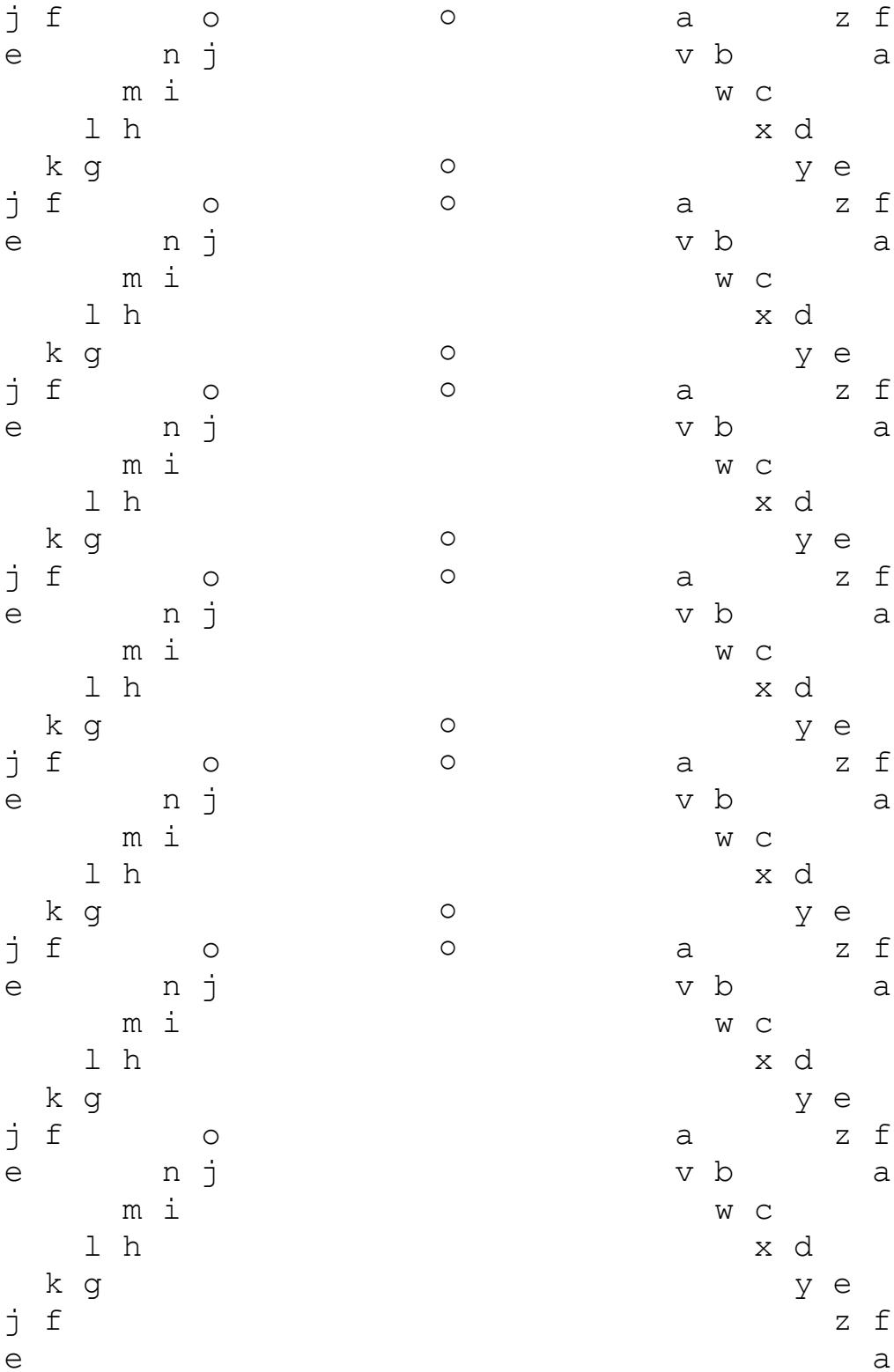
w z a j m z
x a b k n a
y b c l o b
z c d m p c
a d e n q d
b e f o r e
c f g p s f
d g h q t g
e h i r u h
f i j s v i
g j k t w j
h k l u x k


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


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


u z n y l
v a o z
w b p
x c
y
c
d i
e j x
f k y j
g l z k x

VIII.