



Eka.  Tetra

Introduction
to using the 12 key
single handed EkaPad

The EkaTetra Chording Book

2nd edition 2006

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Chording Book

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We make the simplicity of single handed keyboarding a reality.

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The EkaTetra Learning System Chording Book

Welcome to EkaTetra's learning system, and thanks for joining the evolution.

We believe that you can learn to be fully functional on this device in a surprisingly short time. We have confidence in you. Now it's time for you to earn some well deserved self-confidence. Above all - enjoy!

Remember, this is revolutionary, but it's more natural than you'll guess; especially the finger positions. So, flex your fingers a few times to warm up. Shake your hands to get the blood moving. Ready?

Some people have found it useful to break up this training into 5 minute sets, or just keep on working through the chords. Let us know what works for you. It will help us design a better system for our future EkaPad users. We may even ask you to compare the two.

Ok then. Dive right in.

Introduction

Road Map

This is going to be a lot easier than you might imagine, and NO, it's not like going back to school. We recognize that not everyone fits into one learning style; so, you get choices. Let's use the metaphor of getting a new tool, sure a complex tool, but one that promises to do a lot for you. Imagine a tool for your shop or kitchen; something you'll use with your hands.

How would you like to learn this tool?

If you're thinking "just give me the tool and get out of my way", then you might consider the ***Instant Acquisition*** road.

However, if your thoughts run more like "so now that I've got the tool, show me the basics, and maybe some of the tricks and techniques", we're pretty sure your path is ***Quick Accretion***.

And if your mind is already screaming "tell me all there is to know about this tool and help me get the hang of it before you leave", then there's no doubt that ***Detail Accumulation*** is your way.

Perhaps you'd prefer to just learn the chord for each letter quickly, with the minimum of exercise, then go to the ***Speed Section*** with a new letter each sentence, with The Alphabet Run to get tuned up.

Alright then, take what you need to get there. If you need anything we've missed, be sure to tell us via an email or chat. Welcome to the Evolution.

Instant Acquisition

Road Map

Orientation
The Very Basics

If this is your way then complete the **Orientation** session in this **Chording Book** and go right to **Cracking the Code**, after Session 8. It teaches you how to interpret the Slates, giving you access to all the numbers, characters and symbols you can generate. Then please go the Timing Session, with a diversion to the Alphabet Run for practice if you wish, then finish with a sentence or two in **26 letter sentences**, page 26.

Cracking the Code
The Crib Slates

The Alphabet Run
Page 26, Session 7

Timing Session 9
How are we doing?

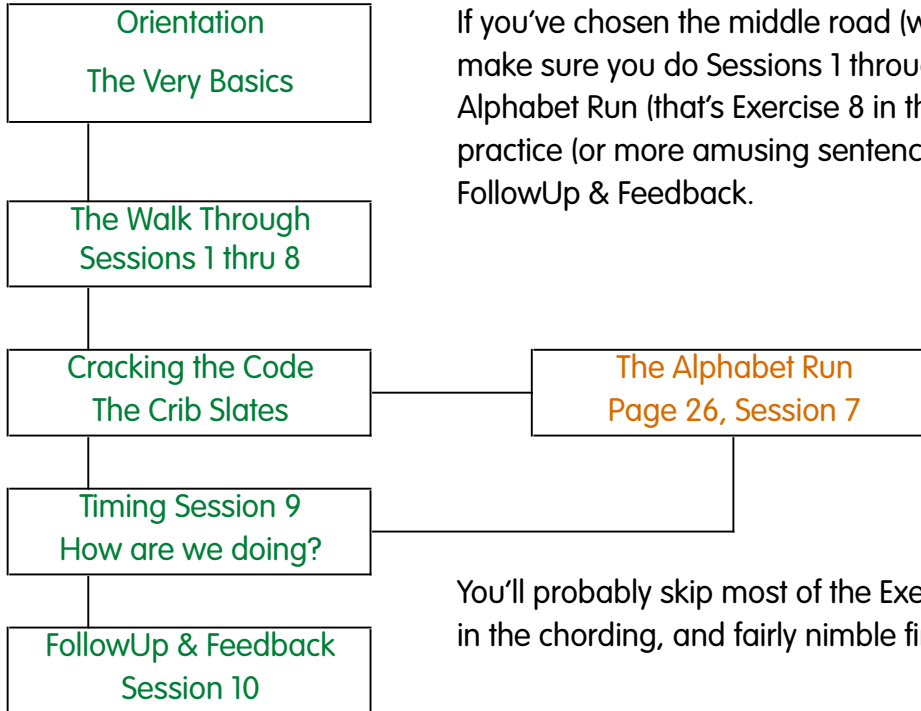
FollowUp & Feedback
Session 10

Yes, you'll skip Sessions 1 – 8 in Chording Sessions and Exercises 1 – 7 in Exercise Book..

You wanted it fast, didn't you?

Instant Acquisition Road Map

Quick Accretion

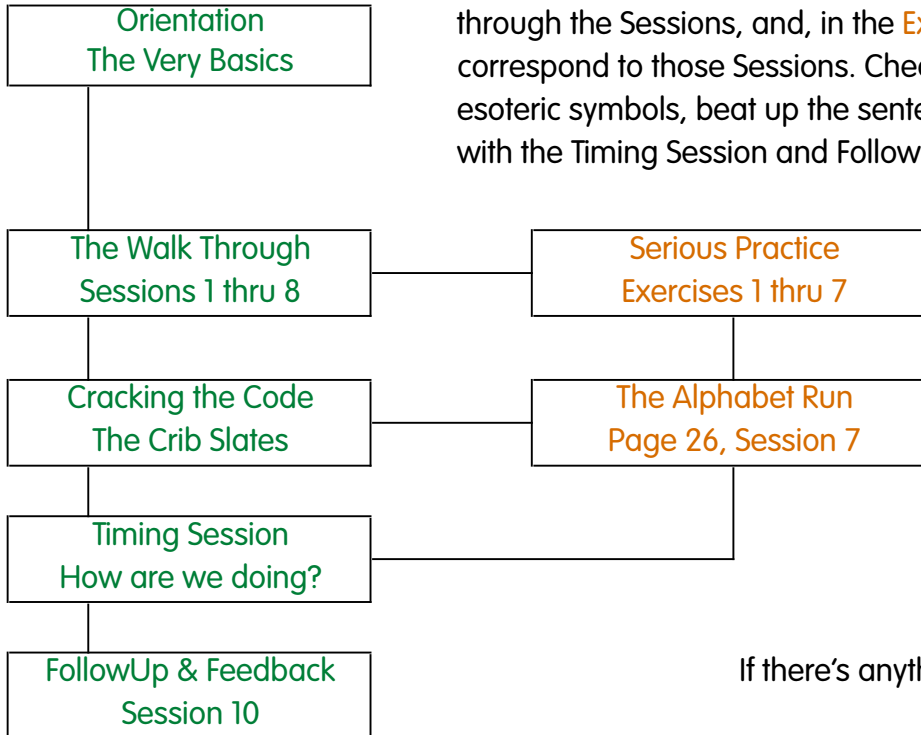


If you've chosen the middle road (we're guessing a lot of you will be here), make sure you do Sessions 1 through 8 and *Cracking the Code*, divert to The Alphabet Run (that's Exercise 8 in the **Exercise Book**) if you feel like more practice (or more amusing sentences), then attack the Timing Session and FollowUp & Feedback.

You'll probably skip most of the Exercises, but still get a complete grounding in the chording, and fairly nimble fingers, too.

Road Map

Detail Accumulation

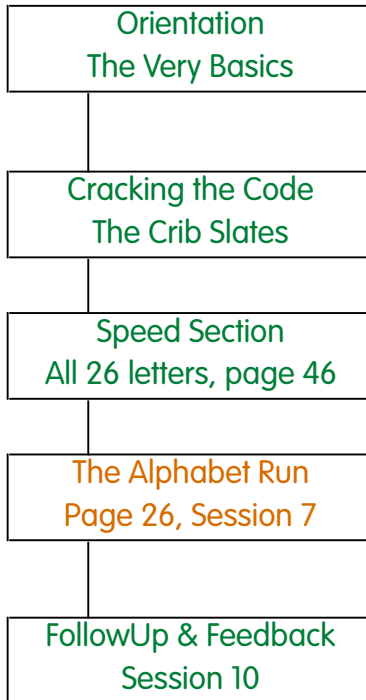


OK, then, you get it all! After the Orientation in the **Chording Book**, proceed through the Sessions, and, in the **Exercise Book**, practice the Exercises that correspond to those Sessions. Check out Cracking the Code for the more esoteric symbols, beat up the sentences in the Alphabet Run, and then finish with the Timing Session and FollowUp & Feedback.

If there's anything we've missed, please let us know.

Speed Section

Road Map



After the Orientation in the **Chording Book**, look at Cracking the Code, then start the last section of the Chording Book with the Speed Section with *Most Common 9 plus one*, a new letter each sentence. This will get you through each letter of the alphabet quickly. Use the Crib Sheet when you need other symbols. Try The Alphabet Run to increase your skill. And don't forget FollowUp & Feedback.

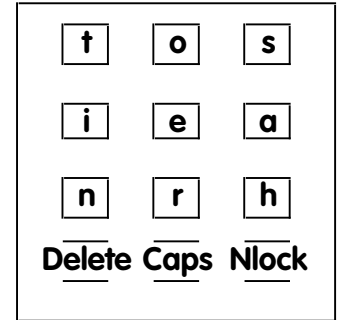
If there's anything we've missed, please let us know.

Chording Session 1

Take a look at your keypad. You'll see three key columns (left to right) and four rows (top to bottom).

The bottom row of three keys are the special command keys *Delete*, *Caps*, and *Nlock*. It's those nine upper keys that you'll be using the most.

Now, turn the keypad away from yourself, the way you'll naturally be using it. Can't see the keys, can you? Not to worry. As an unexpected EkaTetra bonus, you have now been endowed with Superman's X-Ray Vision. You're looking right through the EkaPad and seeing the key markings as they sit in space. Clever of you!

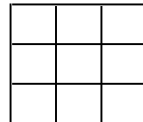


Picture of the EkaPad

s	o	t
a	e	i
h	r	n
N	S	D

EkaPad slate x-ray view

Look at the figure to the right. We call this picture of the three by three block of keys a slate.



A slate.

You can use the slates on the Cheat Sheet to find a chord for any character. As you work through the sessions, you'll only need the Cheat Sheet for the less frequently used characters.

and from now on, because you are endowed, all slates shown are in x-ray views.

Chording Session 1

Want to put some space between letters? The *space* chord is the top two keys in the middle column (index and middle finger, together, o+e). A *chord* is pressing and releasing one or more keys at the same time.

Note: It's not necessary to precisely press and release the keys in a chord at the same time, but it is necessary to have all the keys depressed at the same time. When the last key of a chord is released, the character is displayed.

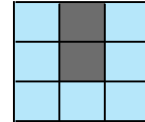
How about a period? Top two keys in the left most column (index and middle finger, s+a).

Note: This is how we represent a chord. The main background color will vary, here it's light blue, and chord is in gray. To activate the chord, press and release the two keys colored gray. (Remember it's in x-ray view.)

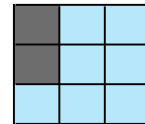
Return (paragraph) anyone? Top two keys in the right most column (index and middle finger again, t+i).

Notice the pattern? Keep your eye out for more.

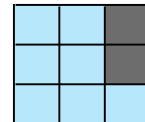
space



period



return



space, period, return

Chording Session 1

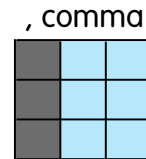
The comma completes this first set. It's three fingered.

Add some to your screen now.

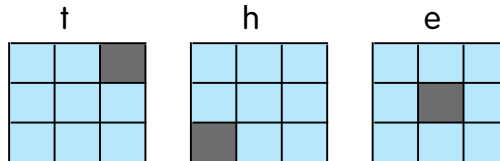
OK. Ready for something just a bit more structured?

Let's enter one of the most typed words in English: *the*

Index finger on the right most key (upper Right), release. Then ring finger on the left most key (bottom Left), release. And, finally, the middle finger on the middle key (right smack in the center of the top nine), and release.



Slate by slate view:



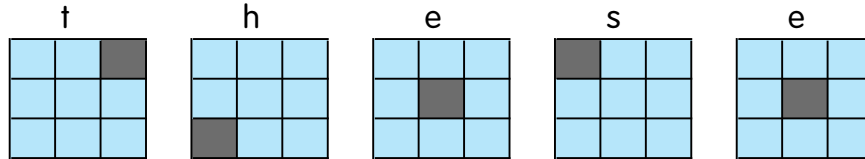
Try it a few times to get used to the positions of the keys. Be daring, add spaces, a few periods, try Caps (that's upper case) when your fingers get the locations.

comma, *the*

Chording Session 2

Ready to move on? Type *the*. You own this word.

Now reach your index finger to the left most key (upper left) and press the *s* key, release. (You get the release thing, right?) Then type one more *e*. New word — *these*. Play with it like you did with *the*.



See the Exercise Book, Exercise 1 & 2; more practice available there with slate by slate layouts.

Congratulations! You've just learned over 40% of all the chords you'll ever make.

Now, do me, yourself, and the rest of humanity a favor. Go back to the top of this page and do it again.

But this time, with your other hand.

(Think about it.)

these

Chording Session 2

You guessed it. We're adding more letters.
Key the following words until you're happy with them.

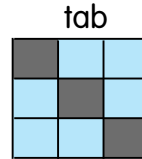
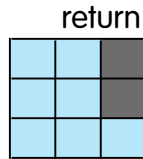
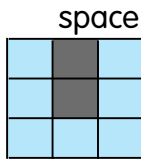
s	o	t
a	e	i
h	r	n

those, their, thin, that, short, horn, roan, rain, another, ashore
astern, earshot, hasten, throne, hoarse, treason, train, tsar.

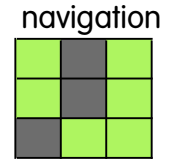
Do Exercise 2, words just from the Home slate.

Navigation and the Navigation state

The cursor can be moved
with 3 always available
chords:

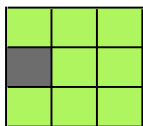


Chording the *Navigation state*
lets you control cursor
movement within the page,
sentence, and doc.

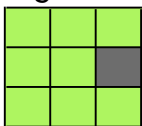


Navigation state

Cursor
Left



Right



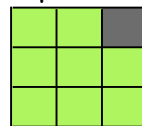
Line
Up



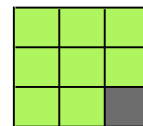
Down



Page
Up



Down



Space

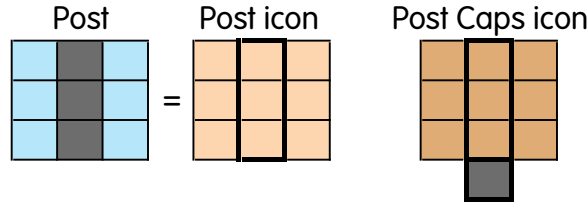


P&R Navigation to start the state and P&R Navigation to end the state

s o t a e i h r n, navigation

Chording Session 2

Post is a three finger chord which is used before another chord.



Prefixes: When *Caps* is indicated, it is always just before the chord. When *Post* is indicated, it is before the chord, and if with *Caps*, is before *Caps*. So we have *Caps* then chord, *Post* then chord, *Post* then *Caps* then chord. Remember it's press & release for every chord.

A few details before we move on to sentences.

Delete

The Delete key works just like the Delete key on Macintosh or the Backspace Key in Windows. Try it out on some of the words you've keyed.

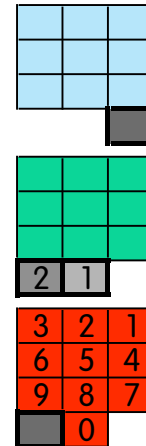
CapsLock

CapsLock is done by first pressing the Caps key and then pressing the Nlock key. This 2 key sequence does the same as the capslock key on your desktop computer. To end CapsLock state, press Caps key again.

Nlock

OK, so you're curious. The Nlock key creates the number lock state. It stays active until you press the Nlock key again. It looks just like your phone pad, but in X-ray view. We'll get back to it later.

5 minute reversion When in Caps, CapsLock, Post, or any state, if no chord is entered within 5 minutes, the EkaPad returns to alpha state. If you leave the EkaPad (for coffee?), it will probably be in alpha state when you start up again.



Delete, CapsLock, Nlock

Chording Session 3

You guessed it. We're adding more letters. Key the following words until you're happy with them:

those, thin, short, horn, rain, another, astern, earshot, hasten, hoarse, tsar.
(Your memory will improve the more your fingers key the letters. Right?)

s	o	t
a	e	i
h	r	n

Sentences

There is treason in the air. She sat astern, near the Eastern shore.

He is on the hotseat. It is hot as an iron, too.

Apostrophe

How about an apostrophe. It's another two finger chord but with a twist. First P&R the Caps key, then P&R the pair of keys (a chord) as shown (i with r). Or, if you prefer, use a curley apostrophe; P&R Post chord first.

Her's is a hoarse Siren's throat.

The irate, honest senator inserts satire into another's oath.

So, can you do all this with your other hand as well? Really, it's worth the effort, if only for the fatigue factor.

' apostrophe

s	o	t
a	e	i
h	r	n

' curley

s	o	t
a	e	i
h	r	n

Chording Session 3

So, let's recap.

You have all the letters on the home slate. You have most of the basic punctuation. You've gotten a hint at the number pad.

s	o	t
a	e	i
h	r	n
N	C	D

And, believe it or not, you now own about 70% of all your future keystrokes.

Congratulate yourself. You deserve it.

Any suggestions on how we could make this better, easier for you? Let us know.

More letters ahead, of course, and the [Exercise Book](#) has exercises for individual letters.

70%

Chording Session 4

A new slate

the Home slate
requires only
single finger
chords

s	o	t
a	e	l
h	r	n

the bmpdl slate
requires two
finger chords

b		m
p	d	l

b		m
p	d	l

The bmpdl slate shows how to obtain one of the letters b m p d or l. This slate requires a two finger chord. With this slate, the index finger will always press the middle key in the top row (the "o" key). Another finger will press the key represented by the letter you want. Press and release the two keys, the grey key and the letter key together. For example, to get a b, press "o" key and "a" key and release them together.

Take your time. Your fingers will catch up to your brain in just a bit.

bear, door, mirror, posse, later

Repetition works. Do it till it feels right.

Ok, different sequencing now. **soap, earl, shed, stab, sam**

And drop them in the middle.

tape, edits, stabber, smart, slimmer, stammer, patrols, small, blabber

b m p d l

Chording Session 4

Sentences:

The bear bites a bone.

Some rams roam the moor.

Edit this list and stop at the end!

This noble dame patrols her realm.

It's dinner time for the troops, so let's eat?

The slim damsel's broom dealt the hamlet's despot a hard slap.

The aphids bend their bodies to moisten their dormant mantles.

s	o	t
a	e	l
h	r	n

b		m
p	d	l

!

s	o	t
a	e	i
h	r	n

Caps first

' apos

s	o	t
a	e	i
h	r	n

Caps first

?

s	o	t
a	e	i
h	r	n

Caps first

b m p d l

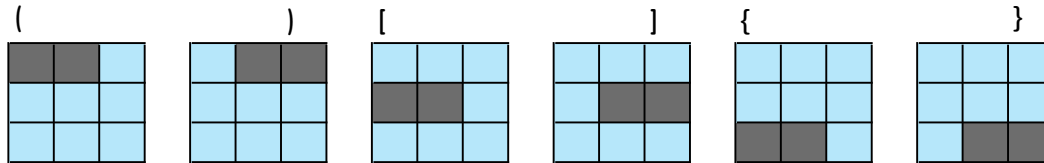
Chording Session 4

You're really starting to get the hang of this, aren't you?

Besides, your fingers (all 8 we hope) are really doing a lot of the memory work.

So take a break and let's add parentheses, brackets and braces.

If you can press the two side by side keys with one finger, go for it!



You've no doubt seen the patterns at work here. Keep looking for more.

The Earl (a noble) does not see the hamlet's depot.

By the way, pat yourself on the back.

You're over 80%.

80%

Chording Session 5

On to the next slate:

Try a few words. Repeat till set.

zen, yes, coast, varies, snooze, sexy, savy, size

zany, canny, vex, zero, zoysia, chintzy, anorexic, seize

Sentences:

The tzar creates no heaven on earth.

Cast thy yeas to try yeasty vines.

The natives are not naive, yet he can coax their eyes to this zone.

s	o	t
a	e	i
h	r	n

z	y	
v	c	x

z y v c x

Chording Session 5

Good. Then let's mix it up a bit.

s	o	t
a	e	i
h	r	n

z	y	
v	c	x

b		m
p	d	l

The coastline varies on the tidal ebb.

The erotic nectar cast its rich scent across the room.

The zany sox may zap the series yet.

She creates a history on the theory of casinos.

That hairy notary hates his artsy, rayon hosiery.

Chording Session 5

Let's take a small break to learn a few useful symbols.

What will this do for you?

`http://www.wherever.com`

And of course:

`myname@here.net`

Or:

`sampade@casablanca.com`

Play with it. Try your own e-mail address.

Hey! You're over 88%

Swap hands.
Then swap hands again!

: ; @ /

:

s	o	t
a	e	i
h	r	n

;

s	o	t
a	e	i
h	r	n

@

s	o	t
a	e	i
h	r	n

/

s	o	t
a	e	i
h	r	n

Chording Session 6

s	o	t			
a	e	i	f	k	
h	r	n	g	j	w

goose, foot, kin, snow, join, when

ogre, often, skin, rejoin, waiter, saw

took, rig, riff, faker, goof, jaw

Grown ferns take finger thin soaker jets.

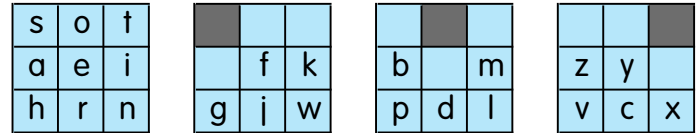
His ego is giant, so fake the offer and stroke.

The engineer is knitting to feign a ring finger strain.

Her jaw was shakier when her great king grows.

f k g j z

Chording Session 6



We often rig the kit astearn the knot meter.

Notarize the foster parent papers, then wait for the kids to follow.

Soaring aloft is his favorite way to relax from the tasks of today.

Knitting is how she keeps her finger joints from freezing.

The ersatz zen satirist had a strange sense of joking.

Chording Session 7

For *q* and *u*, the only 3 fingered alpha characters, you can use either of the chords to get a *q*, or either of the chords to get a *u*; all 4 chords are active.

s	o	t		
a	e	i	u	q
h	r	n		

left hand chords

s	o	t		
a	e	i	q	u
h	r	n		

right hand chords

use, urn, unite, unrest, untie

His quota of antique sequins aroused her sour nature.

The nurse has a risque suitor quite sure to use her.

Haute cuisine is routine at the Sequoia Nature Suites.

That equation is the ruin of the unsure auto route.

q u

Chording Session 7

s	o	t
a	e	i
h	r	n

	f	k
g	i	z

b		m
p	d	l

w	y	
v	c	x

	u	q

q	u	

Sentences, then.

We request your presence at the court hearing, today.

The sexy siren can stir a soul with her vocals.

Lousy torque specs was the reason the auto quit the race.

Why do you suppose we are learning to key with either hand?

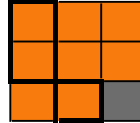
Chording Session 8

Numbers

again, as always, Xray views.

You can switch between Phone pad layout and 10 key layout using the Npad chord (Config + n). In Nlock or alpha, press and release the Npad chord to toggle between the two different number layouts. The examples here use the default, Phone pad layout.

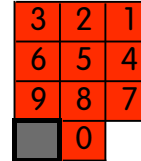
Npad



Config + n

Npad p = Phone pad

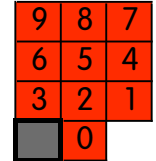
Config+n+p



Nlock

Npad t = Ten key layout

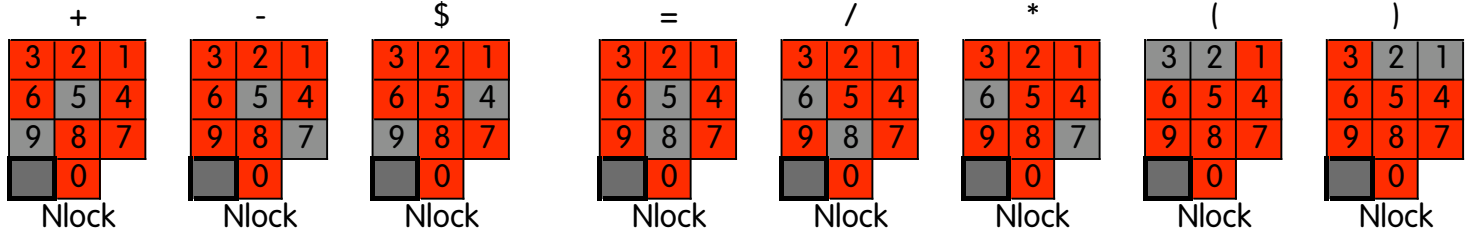
Config+n+t



Nlock

P&R Nlock to return to alpha.

P&R (press and release) the greyed keys as a chord for the symbol.



123-456-7890

\$1,234,567,890.00

=8654.31

+((244.345/3.14+66.55)*(987-355))

+234.55

-1456.78

+9876.54

Use 3post chord when in Nlock for &•\ %!_ " ' ? The rest is an easy look up on a Cheat Sheet. Go look, practice, enjoy.

Numbers

Cracking the Code

Xray views; P&R means Press and Release

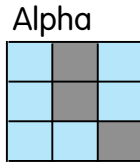
Let's take a closer look at your Cheat Sheet slates. You've probably noticed patterns already, and Yes, that is a color code there.

Light Blue: Directly chorded, one, two or three fingered

E.g.: All the letters, basic punctuation, and some symbols.

The alpha state is the base state for the EkaPad. This state produces lower case letters and other blue characters. The Alpha chord always returns the EkaPad to the alpha state.

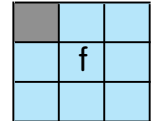
P&R the alpha slate cord always returns the EkaPadd to this slate.



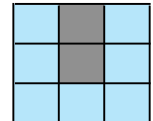
Press and release *t* gives t.



Press anchor and *f* together, release together, gives f.



Press both grey keys together, release, gives space.



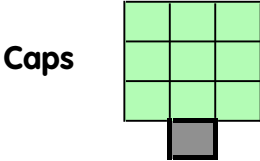
Blue Slates

Cracking the Code

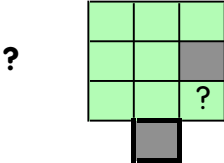
Xray views; P&R means Press and Release

Light Green with grey Caps; P&R Caps first, then another chord.

Caps works only for the next chord, then reverts to the previous state.



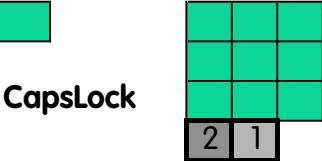
P&R Caps, then P&R anchor and ? together gives ?.



Bright Green, with grey Caps(1st), and grey Nlock (2nd); P&R Caps, then P&R Nlock.

CapsLock stays until CapsLock is pressed and released again.

When in CapsLock, P&R Caps works as a prefix for ? , for example.

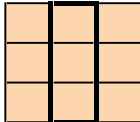
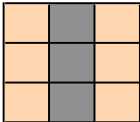


Cracking the Code

Xray views; P&R means Press and Release

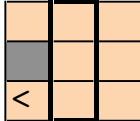
Tan is Post. P&R the 3 center keys (bordered) together first, then another chord.

Post



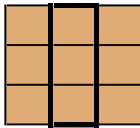
Post works only for the next chord, then reverts to the previous state.

P&R Post (o e r), P&R grey anchor and < together gives <.



Brown is Post Caps. P&R Post, then P&R Caps.

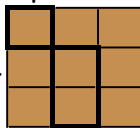
PostCaps



PostCaps works only for the next chord, then reverts to the previous state.

Dark brown is 3post. P&R the 3 keys enclosed by the border.

3post



3postCaps



3post & 3postCaps work only for the next chord, then revert to the previous state.

Cracking the Code

Xray views; P&R means Press and Release

Red is Nlock. P&R Nlock turns EkaPad into a number pad; phone layout is default.

Nlock stays until Nlock is pressed and released again.

Nlock

3	2	1
6	5	4
9	8	7
	0	

Npad chord toggles number layout between phone pad and 10key pad.

Npad

The number layout stays until Npad is pressed and released again. 10key pad shown
Npad = Config + n

9	8	7
6	5	4
3	2	1
	0	

space

Dark Lime is Navigation. P&R the Navig chord and cursor control (with space) is now available.

Navig stays until Navig chord is pressed and released again.

Navig

	↑	pU
←	end	→
H	↓	pD

Lime is Accent Marks. P&R the diagonal chord, then P&R the accent mark, then P&R the letter.

Accent works only for one accented letter, then reverts to the previous state.

	˘	
	˙	
¨	˘	˙

Congratulations are in order, my friends:

You now have the 100% character package.

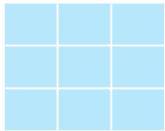
Red Slates & Lime Slates

Cracking Code Page 31 of 62

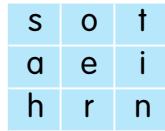
Icons and what they indicate

Xray views

P&R stands for press and release. To activate a chord, press and release all the chord's keys together.

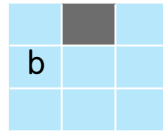


Slate



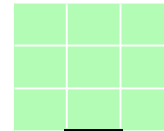
Home Slate

P&R the key with the letter name to display the letter.

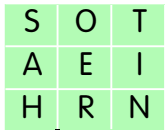


b

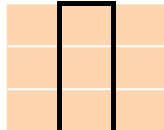
P&R together the grey key and the b key, as a chord, to display b



A grey key with a dark border means P&R before the next chord.



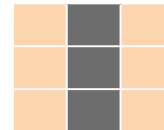
To capitalize a letter or get a symbol, P&R the Caps key before P&R-ing the character chord.



A black border around a chord means P&R the black chord first.

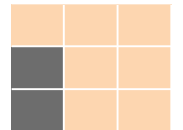


=



Post

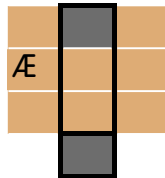
+



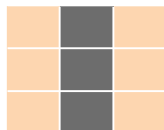
<

Example: To get a "<", P&R the grey 3 key chord first then P&R the grey 2 key chord.

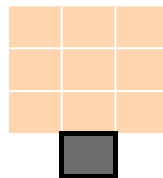
To get an Æ, find the icon, and P&R the keys as follows:



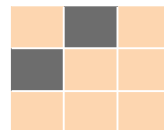
=



+



+

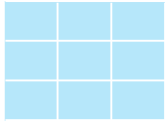


Press and release the 3 key Post chord, then the 1 key Caps chord, then the 2 key Æchord.

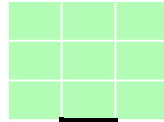
Note: PowerUp state is the state the EkaPad is in when you turn it on. The EkaPad remembers if you previously selected First or Last Finger Up (FingerUp) and also which number layout, phone or 10key (Npad), you have selected. It also remembers the Keeps & ShortCuts you may have entered, Trigger and Code settings . It will be in the Alpha state.

Xray views

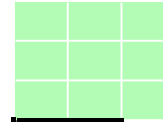
P&R stands for *press and release*. To activate a chord, *press and release all the chord's keys together*.



alpha state; a chord brings up a character



Caps first; works with next chord only, then returns to alpha state.

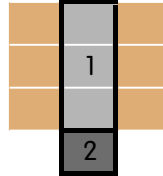


CapsLock state. P&R Caps, then P&R Nlock. P&R CapsLock again to return to alpha state. Nlock state works here too.

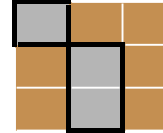
A black border around a chord means P&R the black chord first.



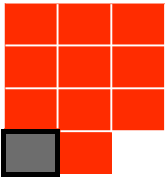
Post first; works with next chord or Caps; after final chord returns to previous state.



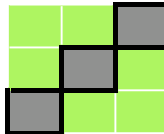
PostCaps. P&R Post chord first; then P&R Caps. After final chord, returns to alpha state.



3post first; works with next chord only; 3postCaps: 3post then Caps. Then returns to previous state.



Nlock state. Nlock stays until P&R again. 3post first for Caps symbols; returns to Nlock



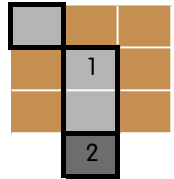
Accent Chord first then accent mark, then letter. Returns to previous state.



3post

Navigation state: cursor control stays until P&R again; multiple cursor moves can be continuous.

3postCaps



Note: Modes (Caps, Post, PostCaps, 3post, 3postCaps, Accent, Keep & ShortCut Access, Function) return to the previous state automatically after the completing chord.

Note: States (CapsLock, Nlock, Navigation, Config states, Keep & ShortCut Enter,) stay in their state unless their chord is P&R again, when they return to the PowerUp state.

Note: Pressing the Alpha state chord returns the EkaPad to PowerUp state. Pressing the Reset chord (Config) returns the EkaPad to its original states: Phone key layout in Nlock, Last finger up to send a character, and in Alpha state (lower case letters). CAUTION: RESET EMPTIES THE KEEPS, SHORTCUTS AND CODE. See the EkaPad Reference Book for details on Configs, ShortCuts, Keeps and Functions.

Xray views

s	o	t
a	e	i
h	r	n

	f	k
g	j	w

b		m
p	d	l

z	y	
v	c	x

q	u	q

@	*	/

+	=	-

\$;	:

Space

. period

Enter

&	•	\

%	!	_

"	'	?

NonBreak Space

, comma

Help Insert

(
[
{		

)
]
		}

<		
<<		

		>
		>>

Tab

esc

P&R Alpha returns all to

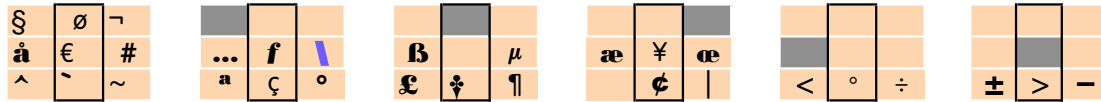
Compact Slates

Compact Slates

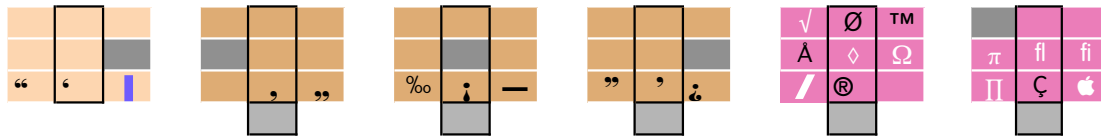
Xray views

<p>Nlock</p> <table border="1"> <tr><td>3</td><td>2</td><td>1</td></tr> <tr><td>6</td><td>5</td><td>4</td></tr> <tr><td>9</td><td>8</td><td>7</td></tr> <tr><td></td><td>0</td><td></td></tr> </table> <p>P&R Nlock to exit.</p>	3	2	1	6	5	4	9	8	7		0		<p>3post</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>										<p>same as</p> <p>Use 3post for symbols with Caps in Nlock or anywhere.</p>	<p>Caps</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>										<p>CapsLock</p> <table border="1"> <tr><td>S</td><td>O</td><td>T</td></tr> <tr><td>A</td><td>E</td><td>I</td></tr> <tr><td>H</td><td>R</td><td>N</td></tr> <tr><td>2</td><td>1</td><td></td></tr> </table>	S	O	T	A	E	I	H	R	N	2	1		<p>Alpha</p> <table border="1"> <tr><td>s</td><td>o</td><td>t</td></tr> <tr><td>a</td><td>e</td><td>i</td></tr> <tr><td>h</td><td>r</td><td>n</td></tr> </table> <p>lower case</p>	s	o	t	a	e	i	h	r	n									
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6	5	4																																																															
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<p>Navigation</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table> <p>P&R Navig to exit</p>										<p>:</p> <table border="1"> <tr><td></td><td>↑</td><td>pU</td></tr> <tr><td>←</td><td>End</td><td>→</td></tr> <tr><td>H</td><td>↓</td><td>pD</td></tr> </table>		↑	pU	←	End	→	H	↓	pD	<p>3postCaps</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td>1</td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td>2</td></tr> </table>					1							2	<p>Post</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>										<p>PostCaps</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td>1</td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td>2</td></tr> </table>					1							2	<p>Backspace Delete</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>									
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<p>Command</p> <p>⌘</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table> <p>R or L hand</p>										<p><i>Primary: qwerty keyboard left side</i></p> <p>or Ctrl</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>										<p>Option</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table> <p>or Alt</p>										<p>ctrl or ww</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>										<p>ShiftL</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>										<p>Forward Delete</p> <table border="1"> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td>1</td><td>2</td></tr> </table>											1	2			
	1	2																																																															

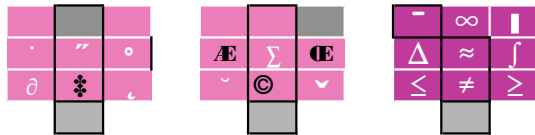
Xray views



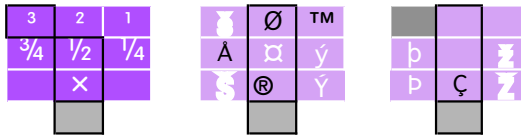
blue symbols vary by font



additional character set



Windows additional



Compact Slates

Compact Slates

Xray views

character set

ö	-
ð	-
	soft

Æ	Ⓔ
©	Ⓕ

Accent

ˆ	˙	
˘	˚	
˜	˝	

P&RAccent+mark +letter
or space

FingerUp

1st~Last

To *hold down* Shift, ⌘, Option, ctrl, Alt, **press** for Trigger delay time (0.5 sec-2 secs) and then **release** P&R to exit.

Trigger

Config chords change settings

Config

OS=Config+o+m or w

OS select

W	M	
		M
		W

GridPad

9	8	7
6	5	4
3	2	1
	0	

Code

(empty)

Code+password
+ KeepAccess

Q Set

password

3	2	1
6	5	4
9	8	7

Q Set+password
word+KAccess

Trigger Repeat
or HoldDown

3	2	1
6	5	4
9	8	7

9=Off

Reset

(resets)

Wake

Sleep

W		
	S	
		W

phone

3	2	1
6	5	4
9	8	7

Npd+p

Npad

(Config+n+letter)

9	8	7
6	5	4
3	2	1

Npd+t

right

7	4	1
8	5	2
9	6	3

Npd+r

left

3	6	9
2	5	8
1	4	7

Npd+l

Compact Slates

Xray views

Store 99 ShortCuts & 99 Keeps; for 1 digit: *Enter # entry Enter*; For 2 digit: *Enter Enter# # entry Enter*; To retrieve: *Access #*, or *AA##*.

To clear: *Enter # Enter*, or *EE## E*.

ShortCut

Enter

3	2	1
6	5	4
9	8	7
0	all empty	

Access

3	2	1
6	5	4
9	8	7
0		

Code can protect→

Enter

3	2	1
6	5	4
9	8	7
0	all empty	

Keep

Access

3	2	1
6	5	4
9	8	7
0		

Function					
one digit			two digits		
3	2	1	3	2	1
6	5	4	6	5	4
9	8	7	9	8	7
Restart=FF99					0

☞ or *qwerty right side*

CtrlR

	R	
R		L
	R	

ctrlR or wwR

AltR or OptionR

ShiftR or CapsShift

	2	
	1	

Alph OnOff

Off is default

Version#

		v
	e	
v	r	

ver together

10-1 access: P&R 10-1, P&R a digit. To get action, P&R a programmed digit. To get another action, again P&R a programmed digit.

10-ones

3	2	1
6	5	4
9	8	7
0		

then

3	2	1
6	5	4
9	8	7
0		

More actions until exit with **10-ones** or **Alpha Alpha**

10-ones

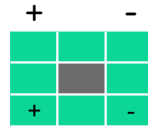
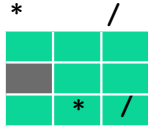
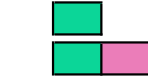
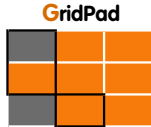
Compact Slates

Xray views

GridPad NumberPad on full size qwertyboards

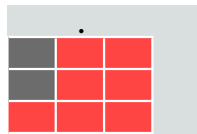
Windows:

Macintosh:

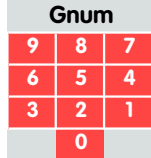


In Mac, use Navig to move cursor.

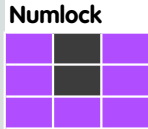
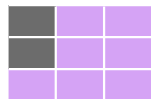
x-ray views



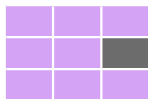
Mac and Windows



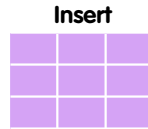
Forward Delete



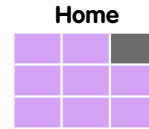
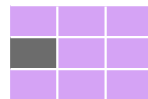
Arrow Left



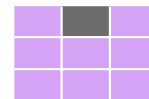
Numlock switches between **Gnum** and **Windows only**



Arrow Right

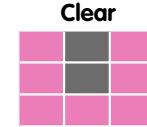
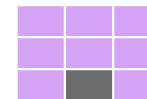


Arrow Up



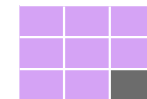
Page Up

Arrow Down



Page Down

End



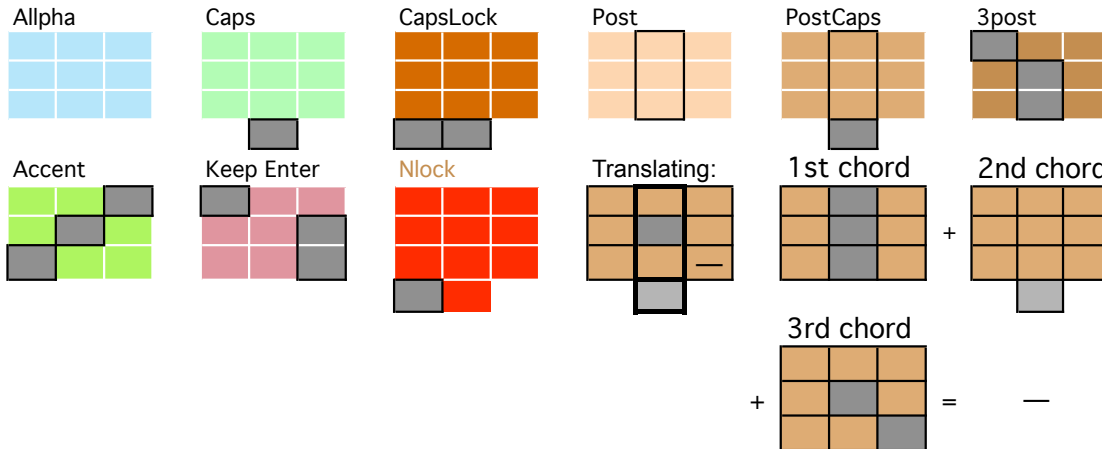
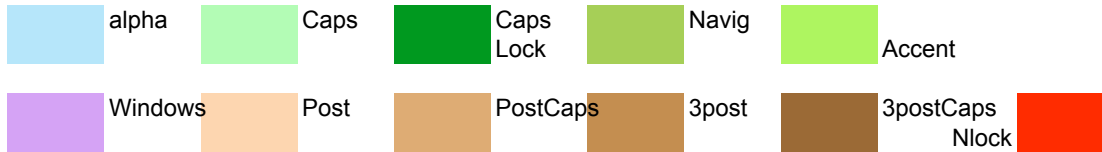
Compact Slates

Compact Slates

Compact Slates

Xray views

Color coding on Cheat Sheets and Crib Cards



Chording Session 9

Timing

The Exercise Book has exercises for each letter, and sentences with all 26 letters. These may help you increase your skills.

Get out your watches, clocks, stopwatches, etc.

Please record the time it takes you to input the Real Story and/or a Regular test on the following pages. We suggest you do this more than once, timing yourself each time. And how about checking how the other hand compares?

Go for speed, but don't get too sloppy. Yes, you should count errors, too.

We all know you can do this. Please help us secure the future of EkaTetra.

Not to mention that of the human species.

And then there's all that **self** satisfaction, too.

Set up your crib slates, and get comfortable, limber, and psyched.

Now get out there and play ball!

The truth about the qwerty keyboard layout, you ask? Well, it is a bit more convoluted than you might think. Go back with us to the year 1867 in Milwaukee, Wisconsin, where Christopher Sholes has just filed a patent application for a mechanical writing machine. His first models have an arrangement of keys set in rows in alphabetical order, and the operator uses only the index finger of each hand. (Yes, the old hunt and peck method.) The type bar strikes from below, so the operator does not see what he or she has just typed. The bars also jam a lot, especially on the often used two letter combinations like th, er, and many others. Jamming is bad.

So, Chris and educator Amos Densmore, brother of James Densmore (the major financial backer) go to work on those mechanical problems. Meanwhile, in 1873, Remington & Sons, the arms manufacturer, buys rights to produce the machines. Working with Chris and Amos, they come out with their new Remington No. 2 in 1878, giving it the brand name TYPE WRITER. It is convenient that the brand name can be speedily typed on only the top row of keys. Early Remington salesmen will be impressive.

Typing speed is never as serious an issue as jamming, everyone using two fingers and all. Then, in 1888, Remington stages a contest in Cincinnati. Frank McGurrian, a court stenographer from Salt Lake City (near the home of Remington), apparently memorizes the keyboard and becomes the first Touch Typist in history. In fact, he is the only contestant who uses all of his fingers. Moreover, he chooses the new Remington No. 2, the typewriter, with the now ubiquitous qwerty layout. Guess who wins!

McGurrian toured the country at Remington expense, converting the multitudes. The publicity stunt created an interest in touch typing, and the Remington typewriter. Funny how Remington was so ready.

So now we're stuck with a hundred year old keyboard layout designed to solve a short-lived mechanical problem. Well, at least for two handed typing, maybe.

One handed, and same handed, portable typing is a whole different issue.

Welcome to the evolution! The future is in your hand.

Chording Session 9

Regular test 1, 500 characters, 100 words

my watch fell in the water prevailing wind from the east never too rich and never too thin
breathing is difficult I can see the rings on Saturn now physics quantum and chemistry are hard
my bank account is overdrawn elections bring out the best we are having spaghetti time go
shopping a problem with the engines elephants are afraid of mice my favorite place to visit
three two one zero blast off my favorite subject is psychology circumstance is acceptable watch
out for low flying objects if first

Regular test 2, 500 characters, 100 words

this is a very good idea reading week is just about here our fax number has changed thank you
for your help no exchange without a bill the early bird gets the worm quicks up for safety this is
too much to handle protect your environment world population is growing the library is closed
today Mary had a little lamb teaching services will help we accept personal checks this is a non
profit organization user friendly interface healthy food is good for you the postal service is slow
travel at speeds

Note: These two regular tests have been adapted from: MacKenzie, I. S., & Soukoreff, R. W. (2003). Phrase sets for evaluating text entry techniques. *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems - CHI 2003*, pp. 754-755. New York: ACM.

Follow Up and Thanks

Chording Session 10

Well, you should now be convinced that you can do it all.

How did you do by the numbers? Divide 430 by the number of minutes it took to complete the Real Story. That's your word per minute score. For a Regular test, divide 100 by the minutes you took.

Studies show that people learning the old QWERTY keyboard get to about 14 words per minute after 11 hours of practice (1988, Potosnak) with an error rate of about 13%.

Add up your errors and divide them by 2150. What's your rate? For each Regular test, divide by 500.

And how long did it take you to complete the lessons?

Less time than the 11 hours in the qwerty study, no doubt.

Are you better on the EkaPadd than others were on qwerty?

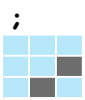
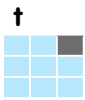
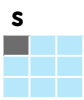
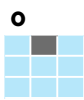
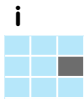
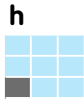
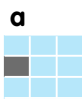
Welcome to the evolution.

The future is in your hand.

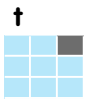
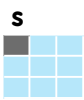
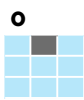
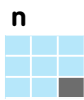
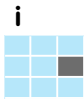
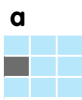
Either hand.

Thank you from all of us who are EkaTetra.

Xray view

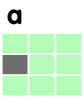
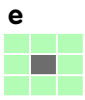
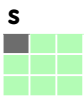
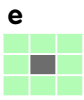
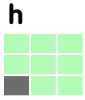
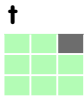
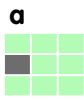
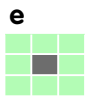
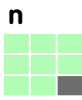
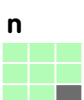
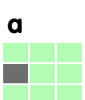
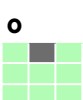
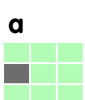
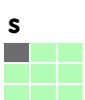
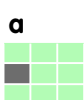
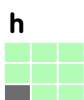
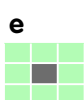
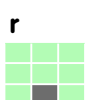
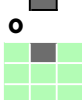
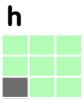
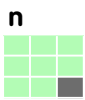
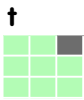
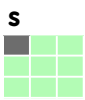
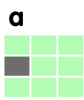
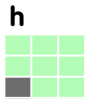
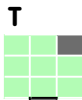


One finger chords



Most common 9 letters

The eastern shore has a roan horse on it, near the sea.

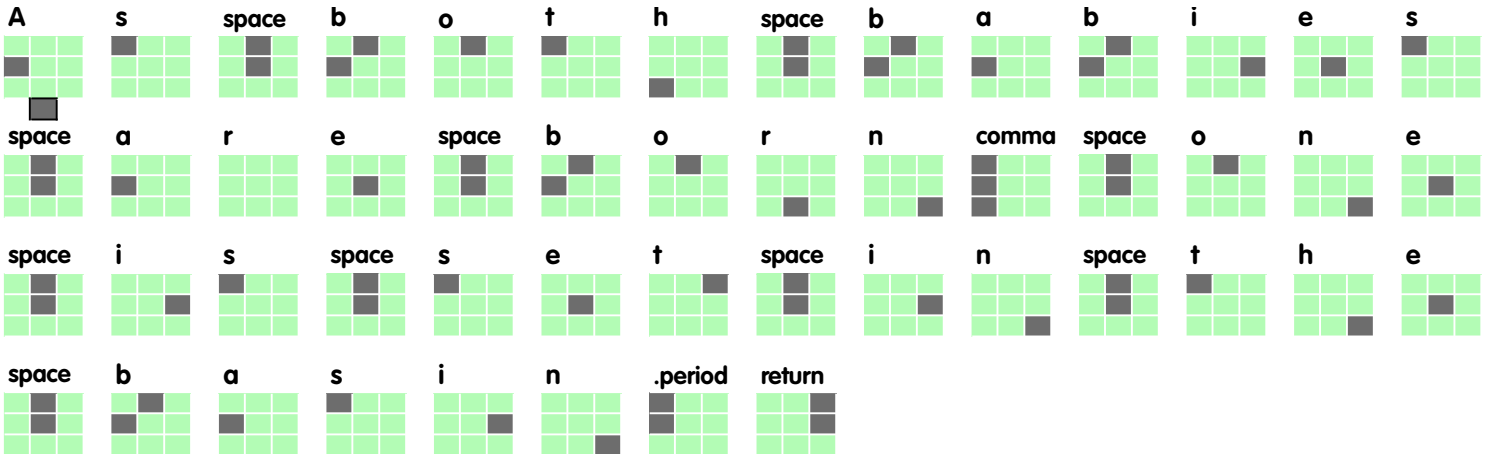


Xray view



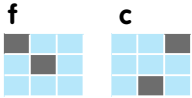
Most common 9 letters plus *b*

As both babies are born, one is set in the basin.

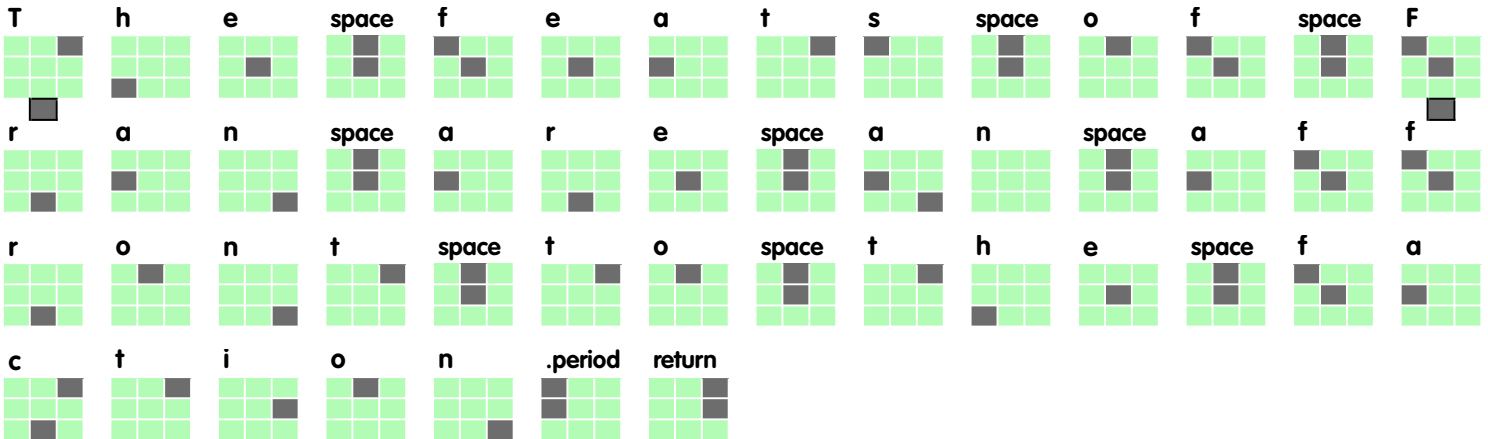


Most common 9 letters plus *f*

Xray view



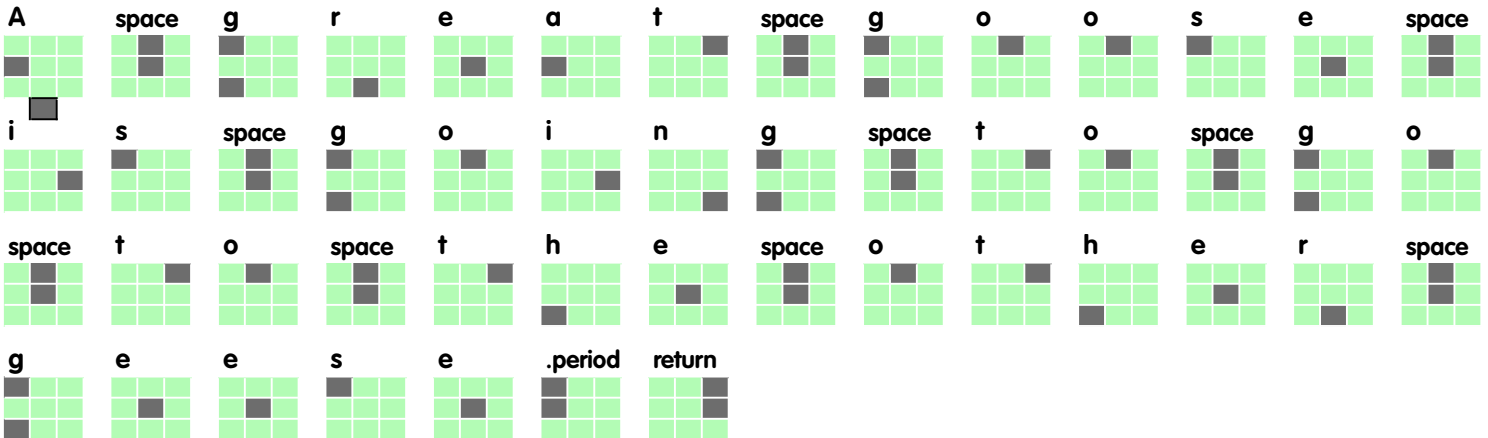
The feats of Fran are an affront to the faction.



Xray view



A great goose is going to go to the other geese.



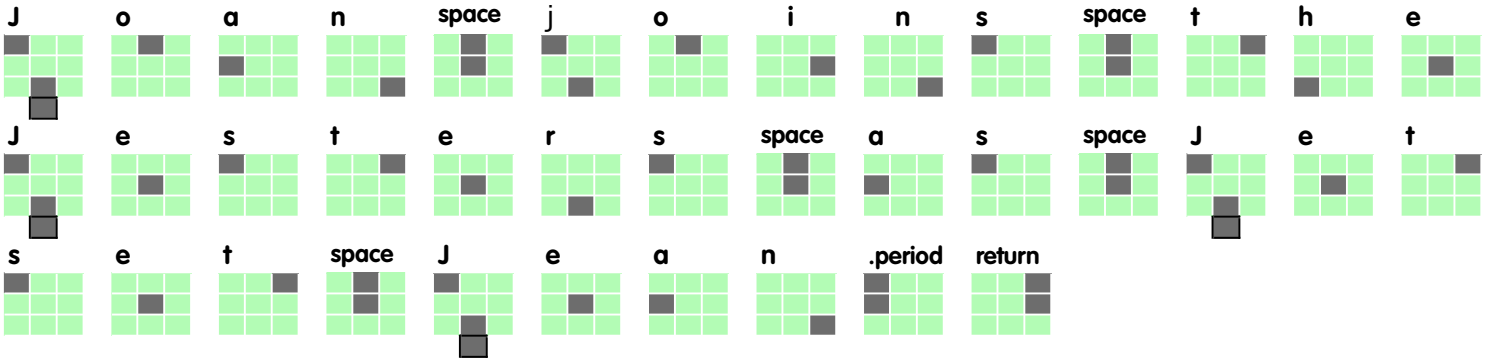
Most common 9 letters plus *g*

Xray view



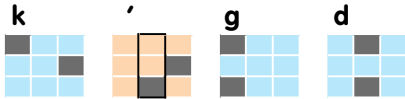
Most common 9 letters plus *j*

Joan joins the Jesters as Jetset Jean.

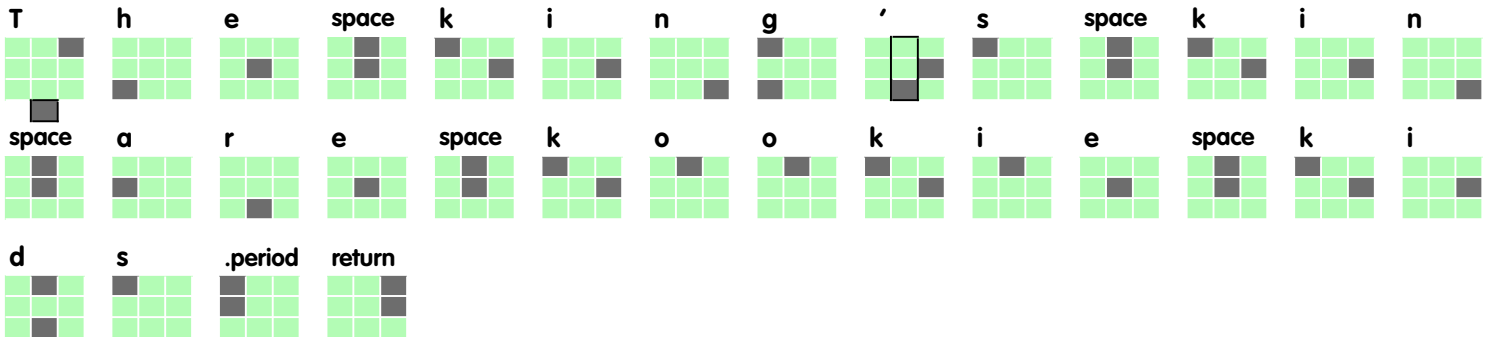


Most common 9 letters plus *k*

Xray view

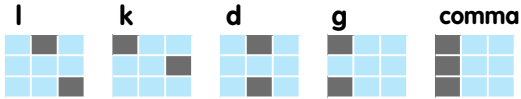


The king's kin are kookie kids.

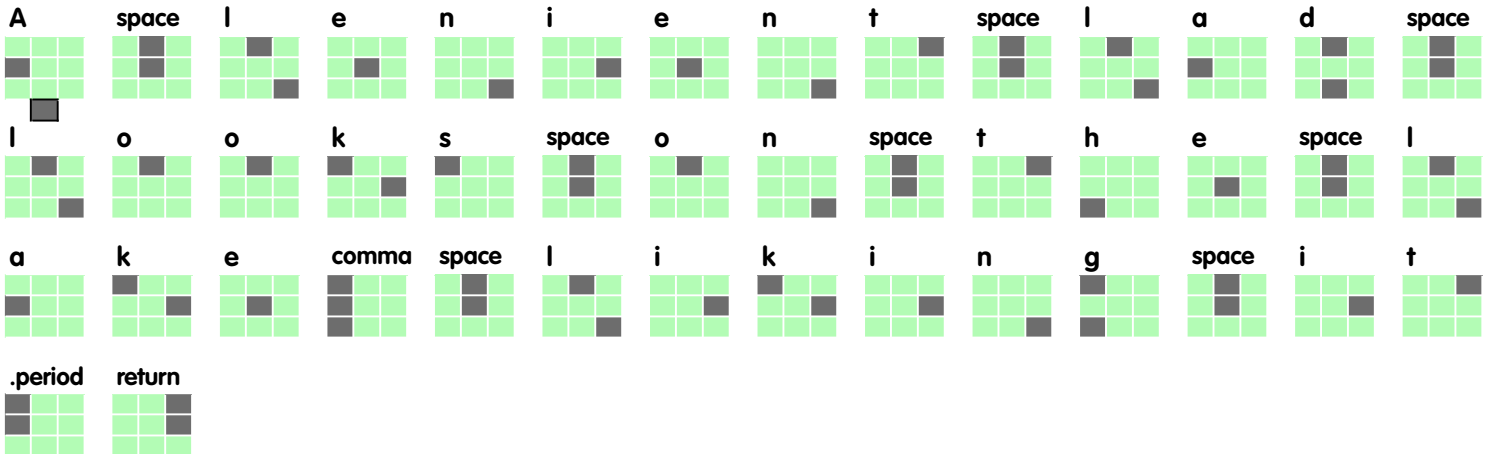


Most common 9 letters plus /

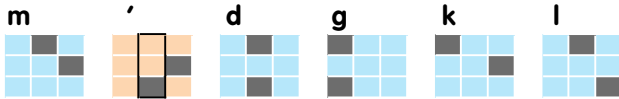
Xray view



A lenient lad looks on the lake, liking it.

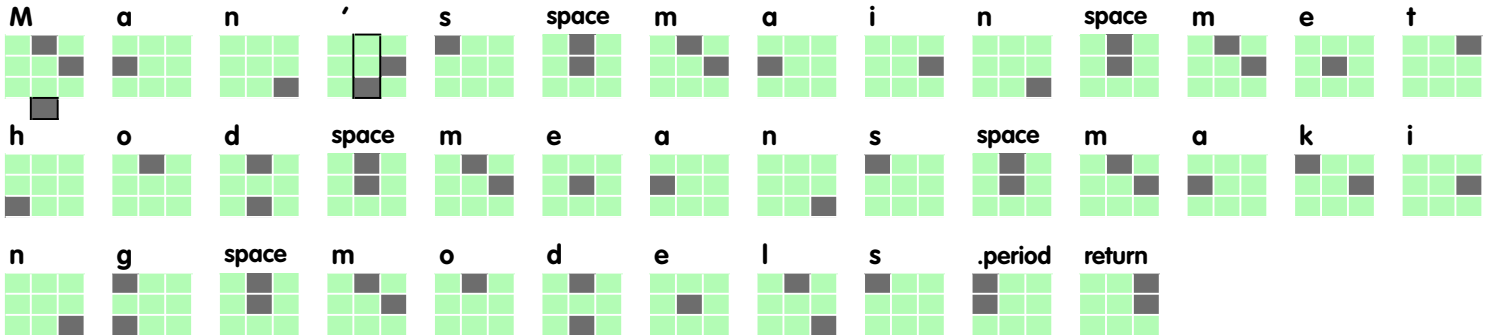


Xray view

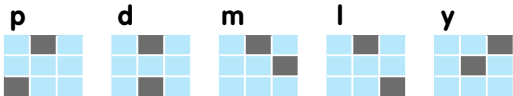


Most common 9 letters plus *m*

Man's main method means making models.

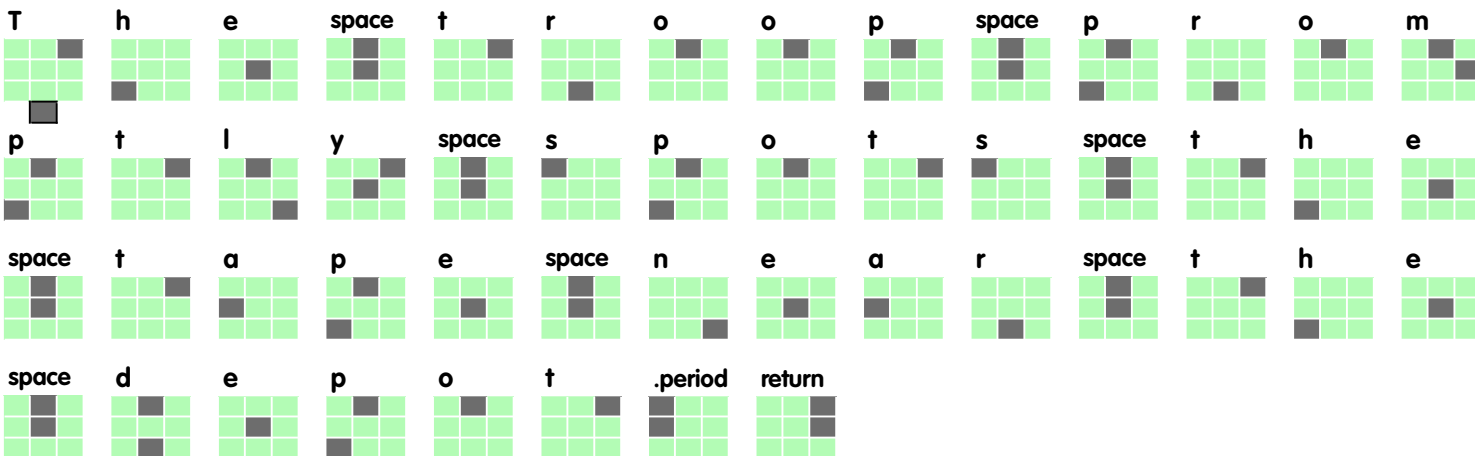


Xray view



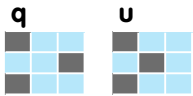
Most common 9 letters plus *p*

The troop promptly spots the tape near the depot.

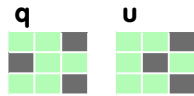


Most common 9 letters plus *qu*

Xray view

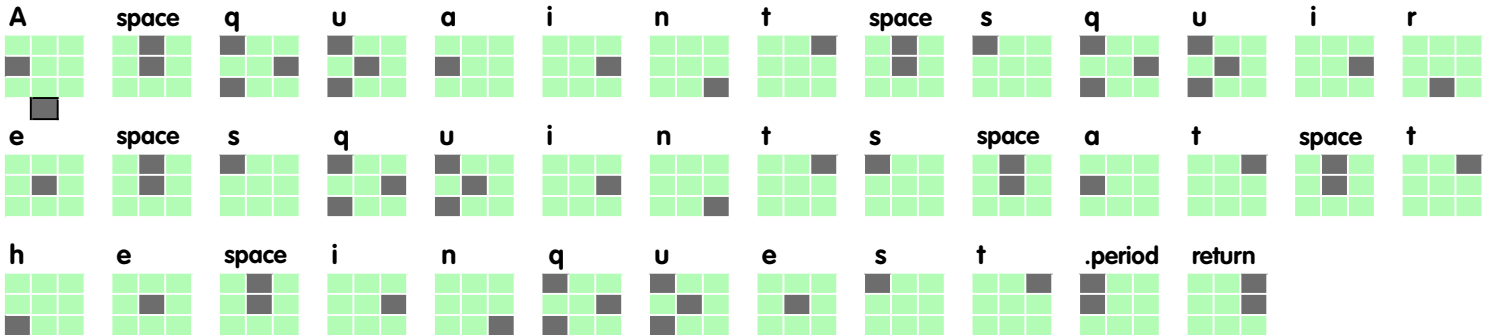


left hand



right hand

A quaint squire squints at the inquest.

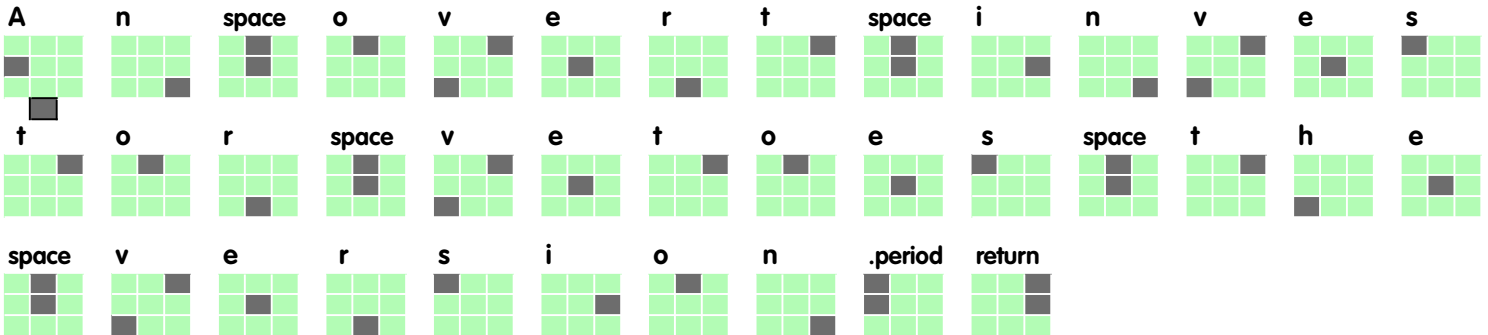


Most common 9 letters plus v

Xray view



An overt investor vetoes the version.



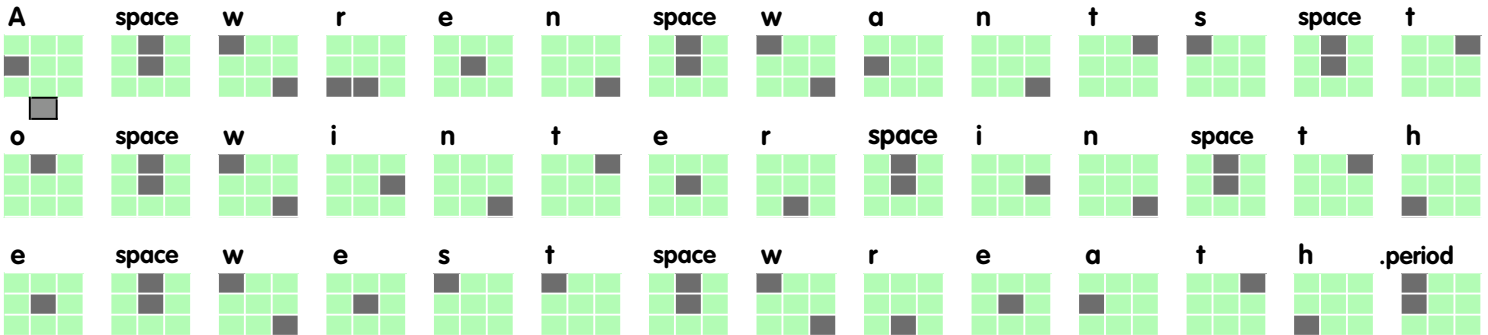
Xray view

w



Most common 9 letters plus w

A wren wants to winter in the west wreath.

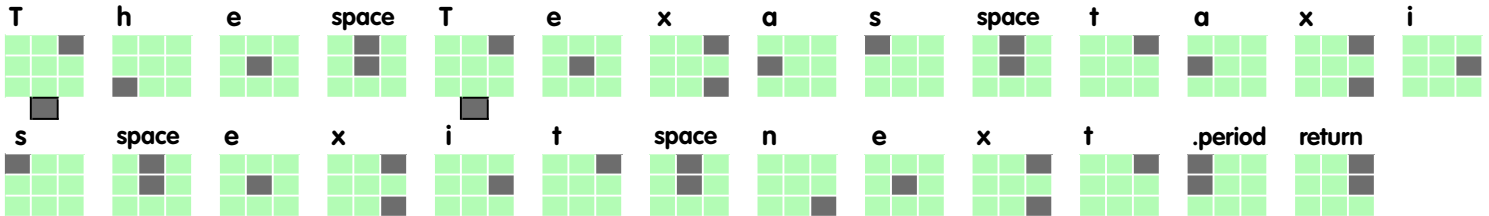


Most common 9 letters plus x

Xray view

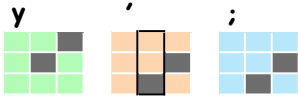


The Texas taxis exit next.

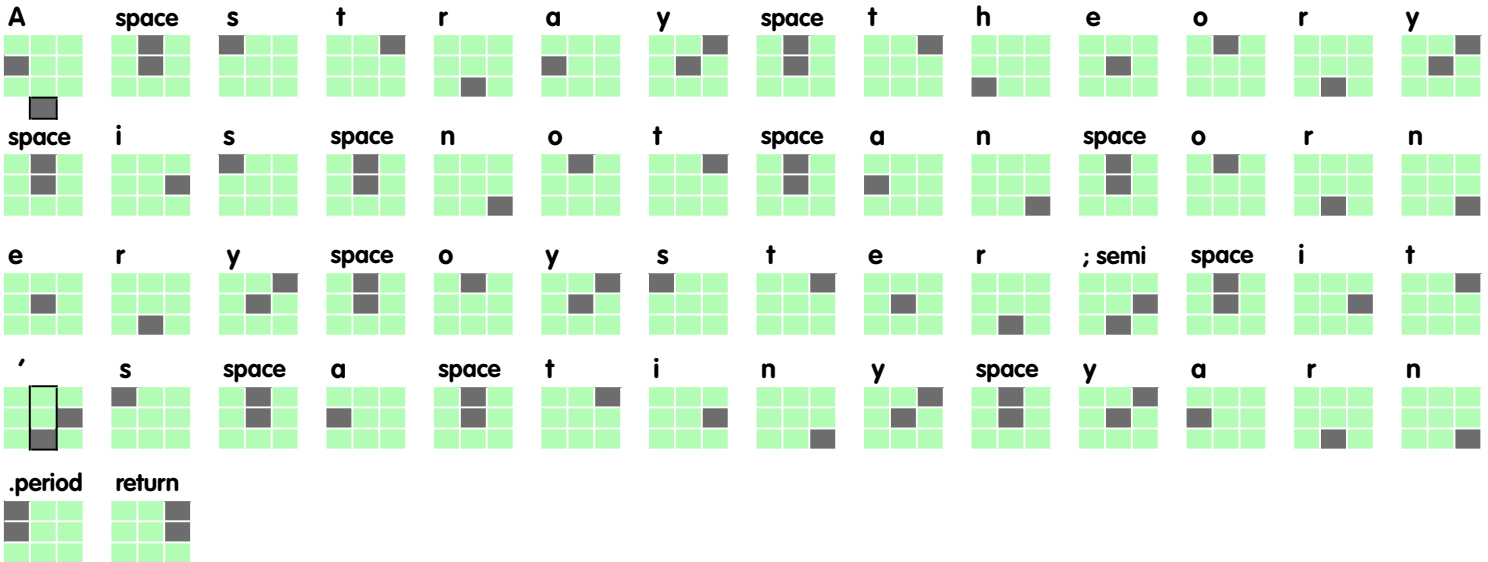


Most common 9 letters plus y

Xray view



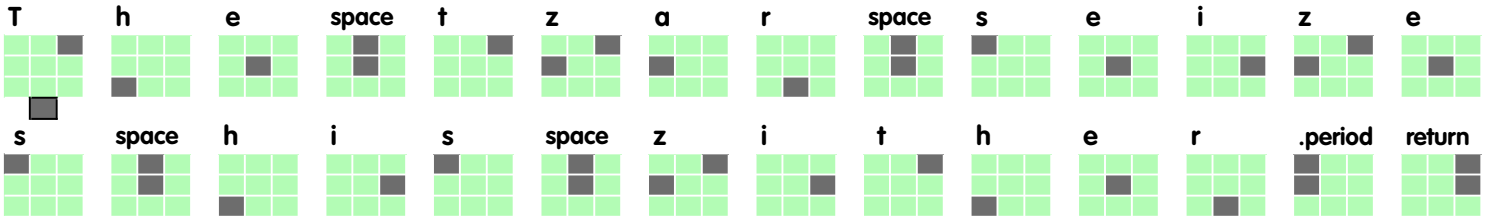
A stray theory is not an ornery oyster; it's a tiny yarn.



Xray view



The tzar seizes his zither.



Most common 9 letters plus z