

Bad Writing

**developing a complex orthography:
the tale of writing in Zevy**

Kenan Kigunda · digital Language Construction Conference · March 7, 2021



A quick history of Zevy writing

the symbols of zevy writing



Handwritten symbols for 'p' and 'b' in purple ink.

p b

Handwritten symbol for 't' in purple ink.

t

Handwritten symbol for 'd' in purple ink.

d

Handwritten symbol for 'k' in purple ink.

k

Handwritten symbol for 'g' in purple ink.

g

Handwritten symbol for 'v' in purple ink.

v

Handwritten symbol for 's' in purple ink.

s

Handwritten symbol for 'z' in purple ink.

z

Handwritten symbol for 'h' in purple ink.

h

Handwritten symbol for 'r' in purple ink.

r

Handwritten symbol for 'a' in purple ink.

a

Handwritten symbol for 'e' in purple ink.

e

Handwritten symbol for 'i' in purple ink.

i

Handwritten symbol for 'u' in purple ink.

u

Handwritten symbol for 'o' in purple ink.

o

early zevy writing: one-to-one sound correspondence

“a boring shoe in a brown box”

brown box in boring shoe

t e i s u b e e t m e d a k a v e r v o d

t e i z u

d a k k a

A scribe in a different dialect might write the same words differently (just as they speak them differently)

modern zevy writing: complex sound correspondence

fossilized affixes ligatures

sound changes

ts

t ei s un b e t θ

θɪ z

spatial abbreviations

me

d a k a v e r v o d ð

Detailed description: This block shows the Zevy script for the sentence "a boring shoe in a brown box". The script is written in red ink. Below it, the phonetic transcription is shown in blue ink. Annotations include "fossilized affixes ligatures" in orange above the script, "sound changes" in orange to the left, and "spatial abbreviations" in orange below a bracket under the first part of the transcription. Specific phonetic changes are noted: "ts" above the first 't', "θɪ" and "z" below the 'ei' and 's' respectively, and "θ" above the final 't'. A blue bracket under the first part of the transcription is labeled "spatial abbreviations" and "me". The second part of the transcription is "d a k a v e r v o d ð".

“a boring shoe in a brown box”

homophone disambiguation

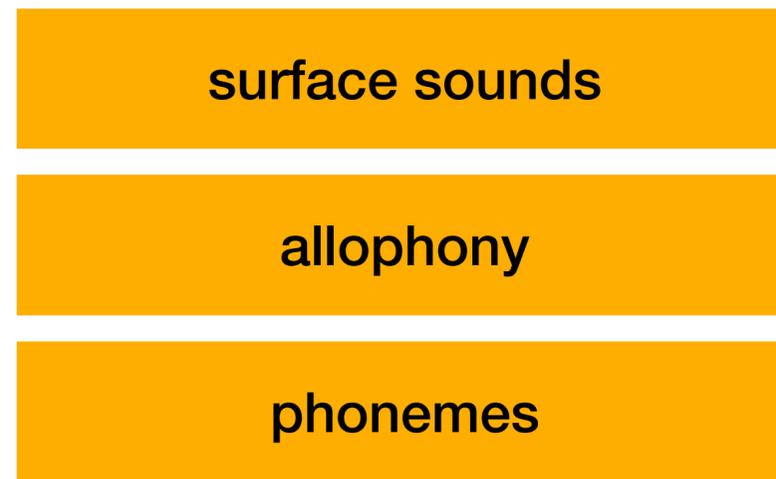
unstressed vowel deletion

me

Detailed description: This block shows the Zevy script for the sentence "in the square under the circle". The script is written in red ink. Below it, the phonetic transcription is shown in blue ink. Annotations include "homophone disambiguation" in orange above the script, and "unstressed vowel deletion" in orange below a bracket under the first part of the transcription. A blue bracket under the first part of the transcription is labeled "unstressed vowel deletion". A blue arrow points from the end of the transcription to the label "me". The transcription is "k u u b o b u".

“in the square under the circle”

Deep vs shallow orthographies



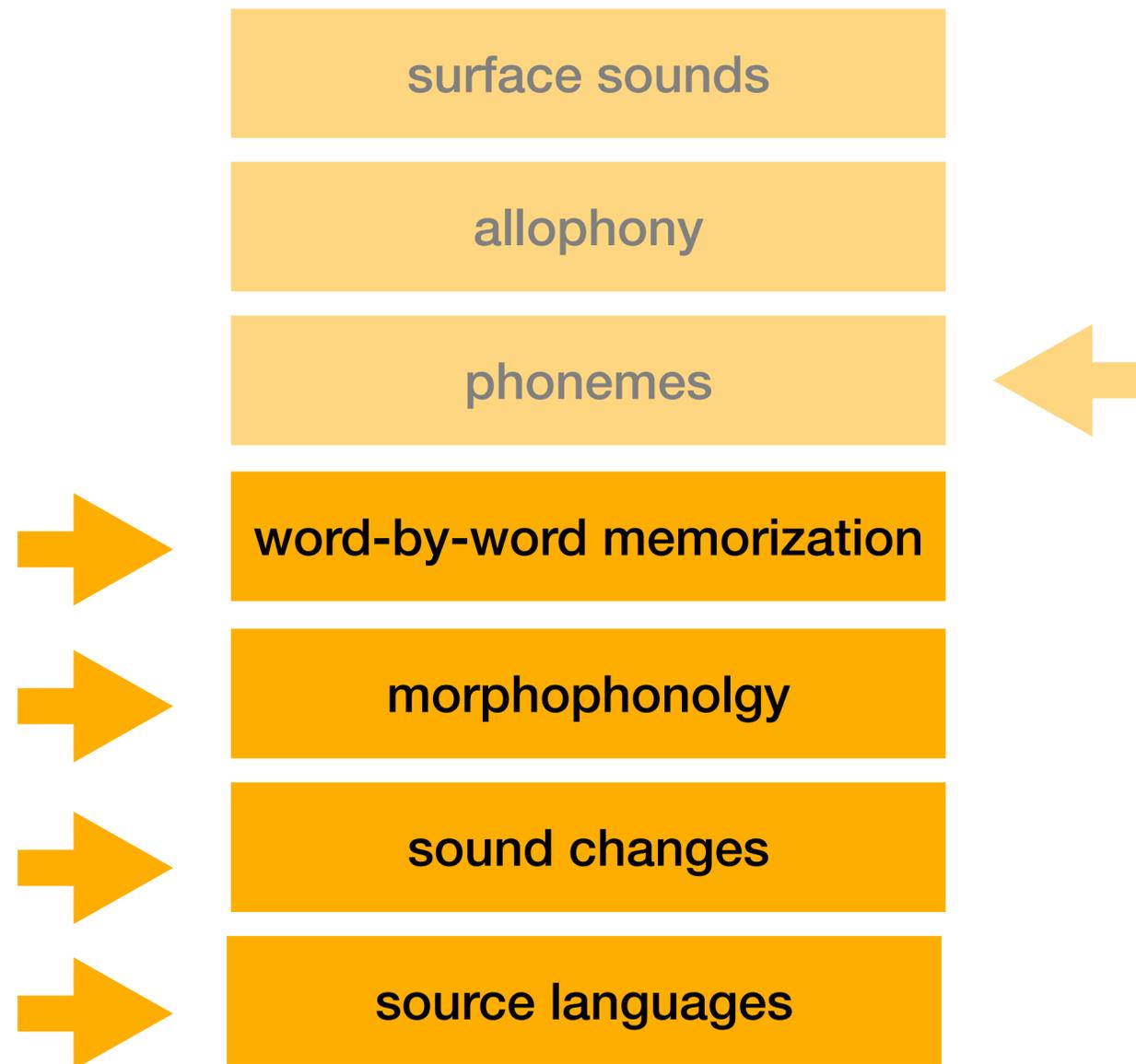
Shallow orthographies
tend to represent
sounds more directly

e.g. Swahili

Deep vs shallow orthographies

e.g. English, French

Deep orthographies
tend to pull from
some combination of
these

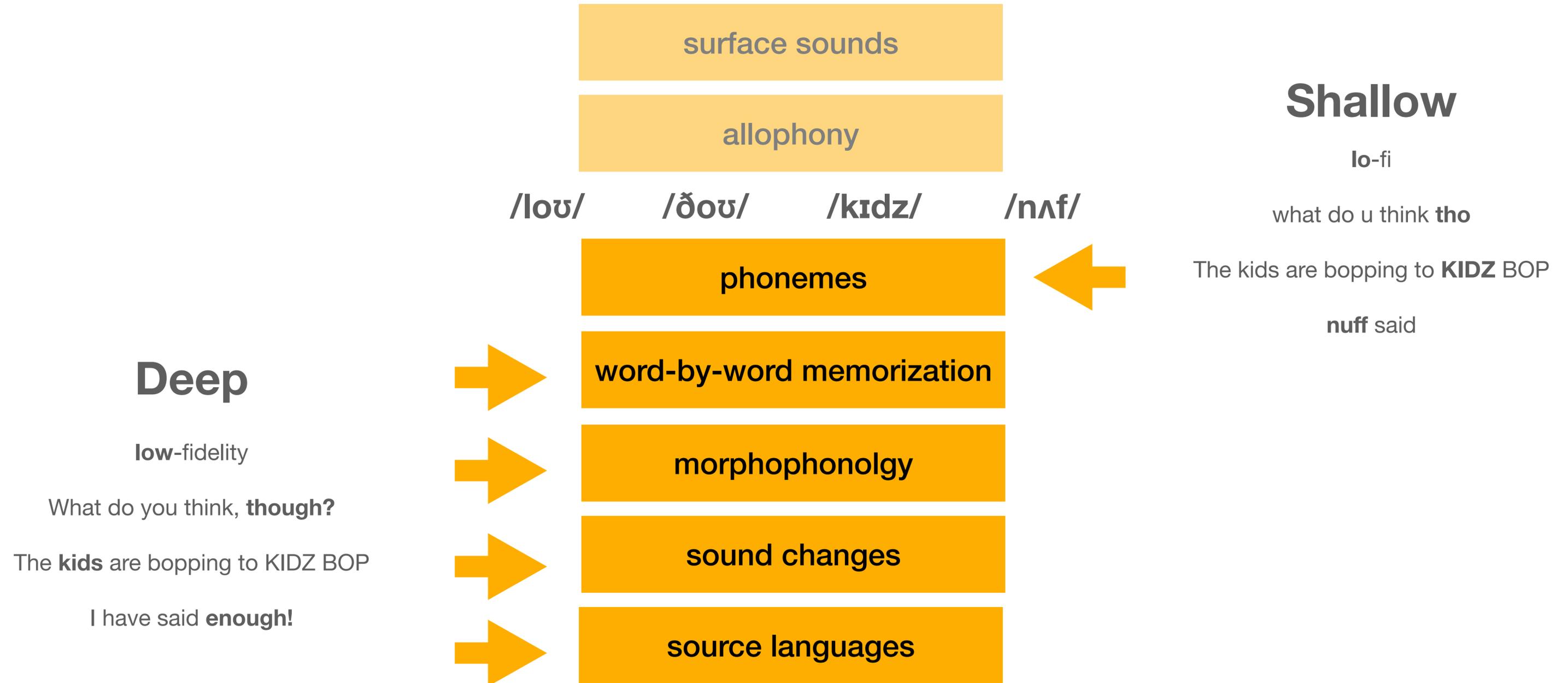


Shallow orthographies
tend to represent
sounds more directly

e.g. Swahili

Deep vs shallow orthographies

we have both in english! sort of...



Three principles of deep orthographies

1. Don't get it write the first time
2. Standardize. Standardise. Standardize.
3. Watch words drift as you refuse to let go of the passed

Principle one:

Don't get it write the first time

Don't get it write the first time

- Not everything that's spoken needs to be written down
- Humans are great at noise correction!
 - Even in speech, listeners can “hear” sounds that were lost

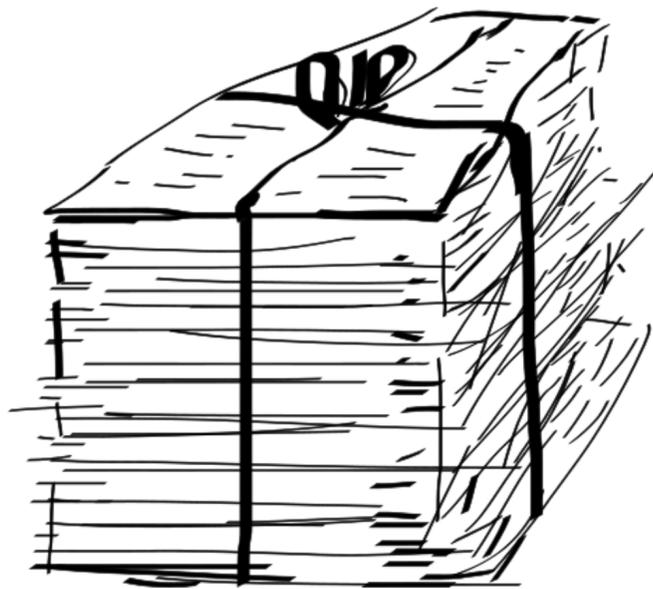


it's all thanks to me, the
phoneme restoration ghost

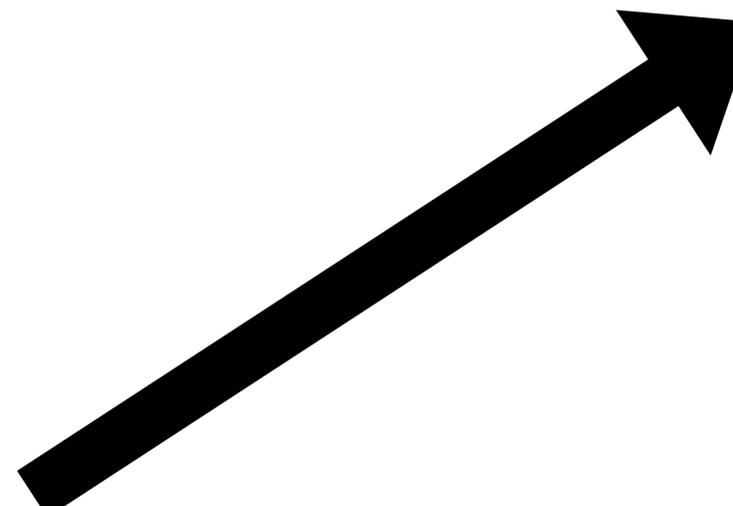
- Writing has the further advantage that the reader can reread!

Don't get it write the first time

- Writers are lazy!
- *Especially* when writing by hand
 - Jotting down quick notes?
 - Transcribing long texts?



Yikes! Take shortcuts!



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Work less, relax more



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Don't get it write the first time

- Writers are lazy, less is more
- This creates a tension between the writer and the reader that may be familiar:



Ease of articulation
Speech: easy to say
Writing: easy to transcribe



Ease of perception
Speech: easy to hear
Writing: easy to read

Don't get it write the first time

Examples in natural languages

- Abjads!

שלמה

Can we skip the vowels? I bet the reader will do just fine!

שלמה

Sure! Works well enough for me

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Don't get it write the first time

How this played out in early Zevy

Don't get it write the first time

How this played out in early Zevy

1. Spaces? What spaces?



עֵנֵי כֵּקִי
eneukeki

eneu keki

“special pair”



עֵנֵי כֵּקֵי
eneukeke

ene ukeke

“famous coat”

Don't get it write the first time

How this played out in early Zevy

1. Spaces? What spaces?
2. Ligatures galore, even across words! Because... no spaces, remember?

עֵנֵי כֵּקִי
e n e u k e k i

eneu keki

“special pair”

עֵנֵי כֵּקֵי
e n e u k e k e

ene ukeke

“famous coat”

all the vowel ligatures!

Many of these only occur across word* boundaries, rather than inside a word, but all are common because ligatures can span words

| | | | | | |
|--|--------|--------|--------|--------|--------|
| | | | | | |
| | aa | ae | ai | au | ao |
| | ea | ee | ei | eu | eo |
| | ia | ie | ii | iu | io |
| | ua | ue | ui | uu | uo |
| | oa | oe | oi | ou | oo |

*Technically speaking, morpheme

all the vowel ligatures!

| | a | e | i | u | o |
|---|----|----|----|----|----|
| a | aa | ae | ai | au | ao |
| e | ea | ee | ei | eu | eo |
| i | ia | ie | ii | iu | io |
| u | ua | ue | ui | uu | uo |
| o | oa | oe | oi | ou | oo |

only these two remain unjoined!

vowel ligatures!



For most ligatures, the position of the second character shows whether it comes first or second

| | א | ב | ג | ד | ה |
|---|---|----|----|----|----|
| א | א | ב | בא | ג | גא |
| ב | ב | בב | בג | בד | בה |
| ג | ג | גב | גג | גד | גה |
| ד | ד | דב | דג | דד | דה |
| ה | ה | הב | הג | הד | הה |

vowel ligatures!



But:

The tail of the “u” character always comes first

For most ligatures, the position of the second character shows whether it comes first or second

| | א | ב | ג | ד | ה |
|---|---|-----|-----|-----|-----|
| א | א | ב | ג | ד | ה |
| ב | ב | בב | בג | בד | בה |
| ג | ג | גב | גג | גד | גה |
| ד | ד | דב | דג | דד | דה |
| ה | ה | הב | הג | הד | הה |
| ו | ו | וּב | וּג | וּד | וּה |
| ז | ז | זב | זג | זד | זה |
| ח | ח | חב | חג | חד | חה |
| ט | ט | טב | טג | טד | טה |
| י | י | יב | יג | יד | יה |
| כ | כ | כב | כג | כד | כה |
| ל | ל | לב | לג | לד | לה |
| מ | מ | מב | מג | מד | מה |
| נ | נ | נב | נג | נד | נה |
| ס | ס | סב | סג | סד | סה |
| ע | ע | עב | עג | עד | עה |
| פ | פ | פב | פג | פד | פה |
| צ | צ | צב | צג | צד | צה |
| ק | ק | קב | קג | קד | קה |
| ך | ך | ךב | ךג | ךד | כה |
| ש | ש | שב | שג | שד | שה |
| ת | ת | תב | תג | תד | תה |

vowel ligatures!

But:

For most ligatures, the position of the second character shows whether it comes first or second

| | א | ב | ג | ד | ה |
|---|---|-----|-----|-----|-----|
| א | א | ב | ג | ד | ה |
| ב | ב | בב | בג | בד | בה |
| ג | ג | גב | גג | גד | גה |
| ד | ד | דב | דג | דד | דה |
| ה | ה | הב | הג | הד | הה |
| ו | ו | וּב | וּג | וּד | וּה |
| ז | ז | זב | זג | זד | זה |
| ח | ח | חב | חג | חד | חה |
| ט | ט | טב | טג | טד | טה |
| י | י | יב | יג | יד | יה |
| כ | כ | כב | כג | כד | כה |
| ל | ל | לב | לג | לד | לה |
| מ | מ | מב | מג | מד | מה |
| נ | נ | נב | נג | נד | נה |
| ס | ס | סב | סג | סד | סה |
| ע | ע | עב | עג | עד | עה |
| פ | פ | פב | פג | פד | פה |
| צ | צ | צב | צג | צד | צה |
| ק | ק | קב | קג | קד | קה |
| ך | ך | ךב | ךג | ךד | כה |
| ש | ש | שב | שג | שד | שה |
| ת | ת | תב | תג | תד | תה |

The tail of the "o" character always comes last

vowel ligatures!

For most ligatures, the position of the second character shows whether it comes first or second

| | | | | | |
|---|---|----|----|----|----|
| | א | ב | ג | ד | ה |
| א | א | ב | ג | ד | ה |
| ב | ב | בב | בג | בד | בה |
| ג | ג | גב | גג | גד | גה |
| ד | ד | דב | דג | דד | דה |
| ה | ה | הב | הג | הד | הה |
| ו | ו | וב | וג | וד | וה |
| ז | ז | זב | זג | זד | זה |
| ח | ח | חב | חג | חד | חה |
| ט | ט | טב | טג | טד | טה |
| י | י | יב | יג | יד | יה |
| כ | כ | כב | כג | כד | כה |
| ל | ל | לב | לג | לד | לה |
| מ | מ | מב | מג | מד | מה |
| נ | נ | נב | נג | נד | נה |
| ס | ס | סב | סג | סד | סה |
| ע | ע | עב | עג | עד | עה |
| פ | פ | פב | פג | פד | פה |
| צ | צ | צב | צג | צד | צה |
| ק | ק | קב | קג | קד | קה |
| ך | ך | ךב | ךג | ךד | כה |
| ש | ש | שב | שג | שד | שה |
| ת | ת | תב | תג | תד | תה |

But:

The tail of the "u" character always comes first

Taken together, these rules create three pairs of sounds that are each spelled identically

The tail of the "o" character always comes last

Don't get it write the first time

How this played out in early Zevy

1. Spaces? What spaces?
2. Ligatures galore, even across words! Because... no spaces, remember?
3. Let's keep the tails consistent, not the sound order

Handwritten purple Zevy script for the words 'atu at'. The first character has a long horizontal tail that extends to the right, and the second character has a similar tail that extends to the left, creating a continuous line.

atu at

"instantly go"



Revised handwritten purple Zevy script for 'atu at'. The characters are more compact and the tails are shorter and more consistent in length.

Handwritten purple Zevy script for the words 'atau'. The first character has a long horizontal tail that extends to the right, and the second character has a similar tail that extends to the left, creating a continuous line.

atau

"your son"



Revised handwritten purple Zevy script for 'atau'. The characters are more compact and the tails are shorter and more consistent in length.

Don't get it write the first time

How this played out in early Zevy

1. Spaces? What spaces?
2. Ligatures galore, even across words! Because... no spaces, remember?
3. Let's keep the tails consistent, not the sound order

Handwritten Zevy script for the phrase "atu at". The first character has a long tail that loops back to the start of the second character, forming a continuous shape.

atu at

"instantly go"



Handwritten Zevy script for the phrase "atu at", showing a variation where the tails of the characters are more consistent and less integrated into a single shape.

atuat, a tuat, at uat, **atu at**, atua t
ataut, a taut, at aut, atau t

Handwritten Zevy script for the word "atau". The first character has a long tail that loops back to the start of the second character.

atau

"your son"



Handwritten Zevy script for the word "atau", showing a variation where the tails are more consistent and less integrated into a single shape.

atua, a tua, at ua, atu a
atau, a tau, at au, ata u

Don't get it write the first time

How this played out in early Zevy

1. Spaces? What spaces?
2. Ligatures galore, even across words! Because... no spaces, remember?
3. Let's keep the tails consistent, not the sound order
4. While we're at it, let's not write long vowels when we don't have to

עניק עקי
e n e u k e k i

eneu keki

“special pair”

עניק עקה
e n e u k e k e

ene ukeke

“famous coat”

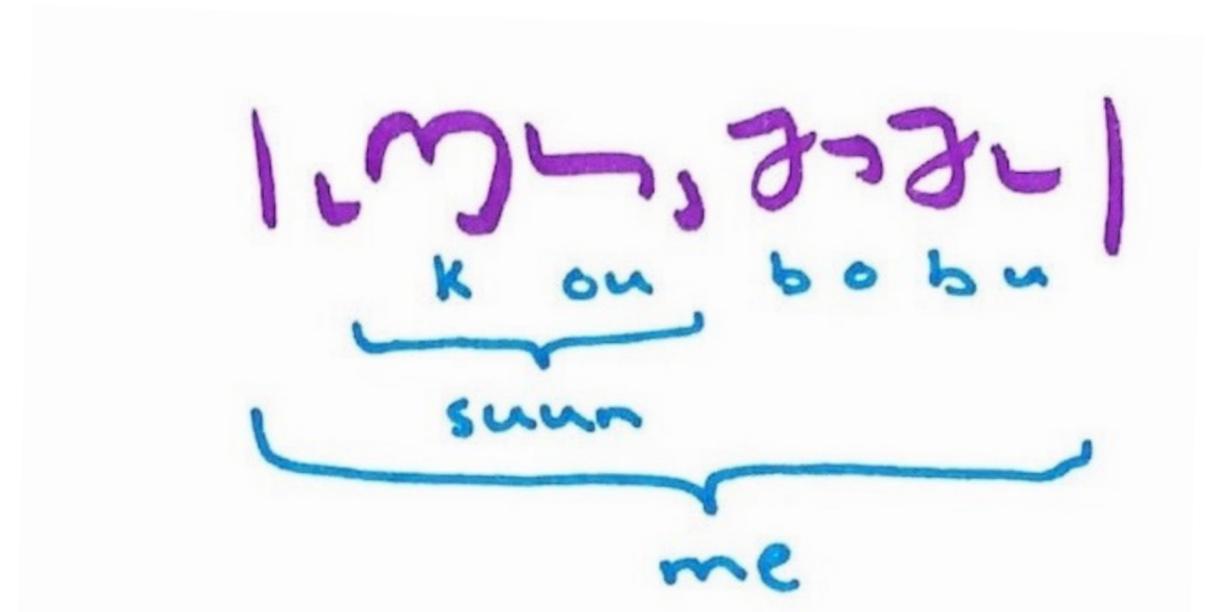
Don't get it write the first time

How this played out in early Zevy

1. Spaces? What spaces?
2. Ligatures galore, even across words! Because... no spaces, remember?
3. Let's keep the tails consistent, not the sound order
4. While we're at it, let's not write long vowels when we don't have to
5. Look, we can save time by abbreviating postpositions!



kou suun bobu me
"in the square under the circle"



spatial abbreviations!

- **suun**

*under -
below -
bottom of -*

- **muun**

*on -
above -
top of -*

- **teen**

*to -
towards -
go to -
-going
-bound*

- **deeden**

*from -
come from -*

- **me**

*in -
inside -
part of -*

- **ni**

with -

spatial abbreviations, modified

- **suun**

*under -
below -
bottom of -*

- **muun**

*on -
above -
top of -*

- **teen**

*to -
towards -
go to -
-going
-bound*

- **deeden**

*from -
come from -*

- **me**

*in -
inside -
part of -*

- **ni**

with -

spatial abbreviations, modified



- suun

*under -
below -
bottom of -*



- muun

*on -
above -
top of -*



- teen

*to -
towards -
go to -
-going
-bound*



- deeden

*from -
come from -*



- me

*in -
inside -
part of -*



- ni

with -

uh oh

spatial abbreviations, modified



- **suun**

*under -
below -
bottom of -*



- **muun**

*on -
above -
top of -*



- **teen**

*to -
towards -
go to -
-going
-bound*



- **deeden**

*from -
come from -*



- **me**

*in -
inside -
part of -*



- **ni**

with -

phew

Don't get it write the first time

How this played out in early Zevy

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2. Ligatures galore, even across words! Because... no spaces, remember?
3. Let's keep the tails consistent, not the sound order
4. While we're at it, let's not write long vowels when we don't have to
5. Look, we can save time by abbreviating spatial relations!

=

Lots of complexity built up very early on!

Three principles of deep orthographies

1. Don't get it write the first time 
2. Standardize. Standardise. Standardize.
3. Watch words drift as you refuse to let go of the passed

Principle two:

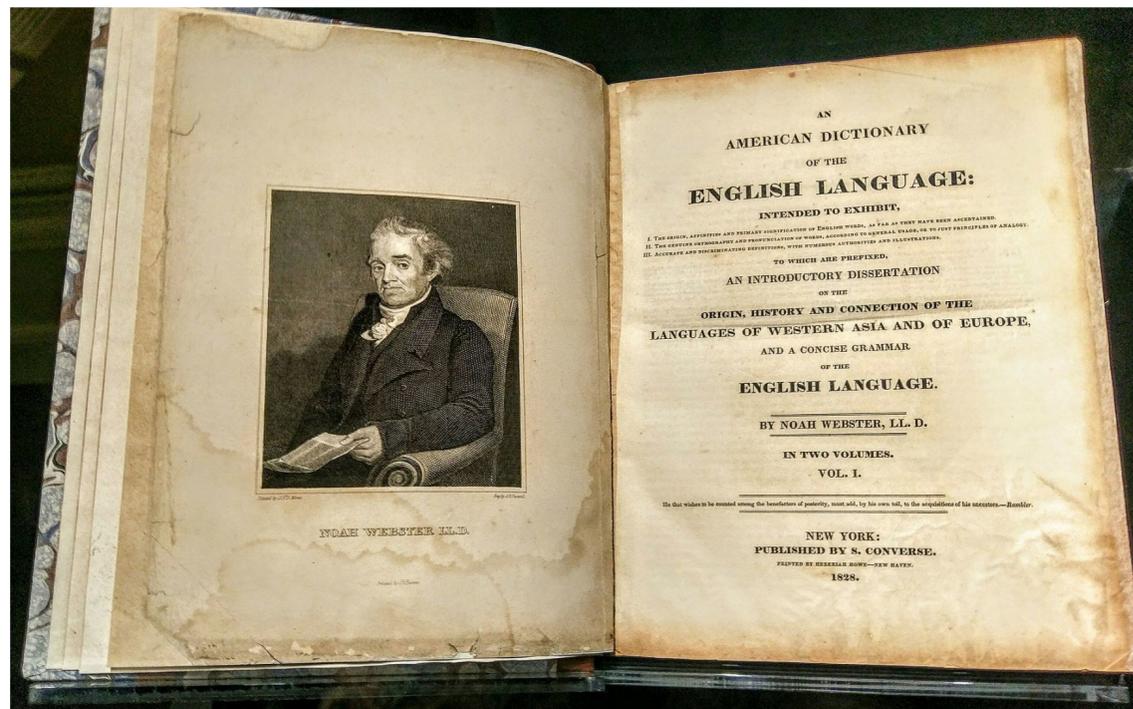
Standardize.

Standardise.

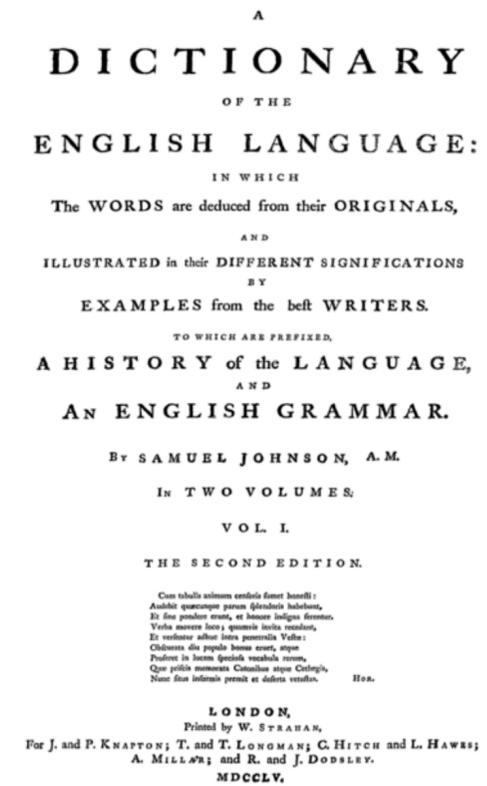
Standardize.

Standardise

- Individual scribes -> Printing press = Standards easier to enforce
- But... by whom?



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Standardize

US vs UK (or both)

- *-or* (directly from Latin) vs *-our* (through Old French, now *-eur* in Modern French)

It's an hono(u)r to make your acquaintance on this colo(u)rful day,
but I'm afraid I don't know the honorific for one of your level of
glamour

Standardise

US vs UK (or both)

- *-re* (from French, Latin, or Greek) vs *-er* (matching the pronunciation)

The meter^{er} measured the metres it would take to get to the theater^{er}
to perform theatre^{re}

Standardize

US vs UK (or both)

- *-ize* (directly from Greek) vs *-ise* (through French)

I **realize** that you must **analyse** the way you want to... **improvise**?

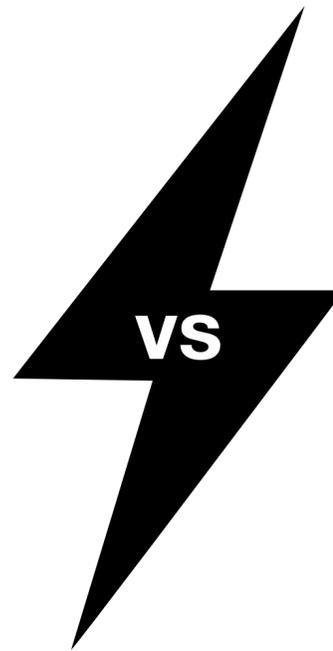
Standardise

How this played out in early Zevy

the cultural center
of the Zevy
linguosphere



the **Bemi** dialect
“Literary”



the administrative
capital of the Zevy
political sphere



the **Kuuvi** dialect
“Capital”

MATCH AT 5 O’CLOCK! GET YOUR TICKETS NOW

Standardise

How this played out in early Zevy

the **Bemi** dialect
“Literary”



the **Kuuvi** dialect
“Capital”

STARRING IN

The Great Debacle of /oi/ and /ou/

Standardize

The Great Debacle of /oi/ and /ou/

starting  context

- The diphthong /ui/ existed in Old Zevy, but merged with /oi/ by Middle Zevy
- Synchronous derivations and inflections that would create /ui/ were also spoken as /oi/ instead
- Before the printing press, scribes varied in how they would render this in writing according to personal preference

Standardize

The Great Debacle of /oi/ and /ou/

the **Bemi** dialect
“Literary”



the **Kuuvi** dialect
“Capital”

- The Matrama publishing house set the direction when they made a decision to always respect etymology, using **oi** and **ui**

Standardize

The Great Debacle of /oi/ and /ou/

the **Bemi** dialect
“Literary”



the **Kuuvi** dialect
“Capital”

- The Matrama publishing house set the direction when they made a decision to always respect etymology, using **oi** and **ui**

- Early iterations of the government drafting style was shifting in the opposite direction, using **oi** consistently

Standardize

The Great Debacle of /oi/ and /ou/

the **Bemi** dialect
“Literary”



the **Kuuvi** dialect
“Capital”

- The Matrama publishing house set the direction when they made a decision to always respect etymology, using **oi** and **ui**

- Early iterations of the government drafting style was shifting in the opposite direction, using **oi** consistently
- An exception! The **ui** ligature could be used to distinguish words which were homophones, such as **zui** "victory" vs **zoi** "sight" (both pronounced /zoi/)

Standardize

The Great Debacle of /oi/ and /ou/

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“Literary”



the **Kuuvi** dialect
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- Similarly, they disambiguated **kou** "space" from **kuu** "circle"

Standardize

The Great Debacle of /oi/ and /ou/

the **Bemi** dialect
“Literary”



the **Kuuvi** dialect
“Capital”

- The Matrama publishing house set the direction when they made a decision to always respect etymology, using **oi** and **ui**
- Since there was no u in the etymology of any of these words, Matrama resisted this change, preferring homonyms

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- Moreover, due to a different suffix, Bemi speech already had **koun** "space" vs **kou** "circle"

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the **Bemi** dialect
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“Capital”

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- Moreover, due to a different suffix, Bemi speech already had **koun** "space" vs **kou** "circle"
- The clout of the publishing houses ultimately ended up winning the battle of etymology

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the **Kuuvi** dialect
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- Since there was no u in the etymology of any of these words, Matrama resisted this change, preferring homonyms
- Moreover, Bemi speech already had **koun** "space" vs **kou** "circle"
- The clout of the publishing houses ultimately ended up winning the battle of etymology

- Early iterations of the government drafting style was shifting in the opposite direction, using **oi** consistently
- An exception! The **ui** ligature could be used to distinguish words which were homophones, such as **zui** "victory" vs **zoi** "sight" (both pronounced /zoi/)
- Similarly, they disambiguated **kou** "space" from **kuu** "circle"
- But through the education system, the capital added and enforced its disambiguating changes

Standardize

The Great Debacle of /oi/ and /ou/

the **Bemi** dialect
“Literary”



Standard Written Zevy

the **Kuuvi** dialect
“Capital”

- Today, Zevy exists in a situation of light diglossia
- The two dialects remain prominent and distinct in spoken language, and are roughly 90 percent mutually intelligible
- Meanwhile, there is a single written standard used throughout the Zevy linguosphere

Standardize

The Great Debacle of /oi/ and /ou/

the **Bemi** dialect
“Literary”



the **Kuuvi** dialect
“Capital”

Standard Written Zevy

- “fish” as **nui**, due to an etymological **u**, despite the fact that it had no homophones
 - a remnant of the transitional Literary standard



Standardize

The Great Debacle of /oi/ and /ou/

the **Bemi** dialect
"Literary"



the **Kuuvi** dialect
"Capital"

Standard Written Zevy

- /zoi/ "victory" as **zui**, to disambiguate it from /zoi/ **zoi** "sight", despite the fact that it had no etymological **u**
 - a remnant of the transitional Capital standard



זוי
זי



זוי
זוי

/zoi/

Standardize

The Great Debacle of /oi/ and /ou/

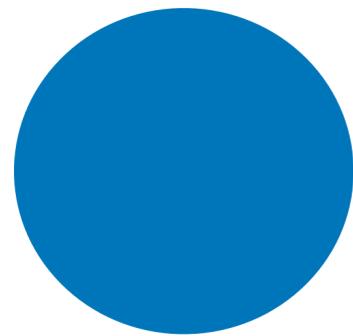
the **Bemi** dialect
"Literary"



the **Kuuvi** dialect
"Capital"

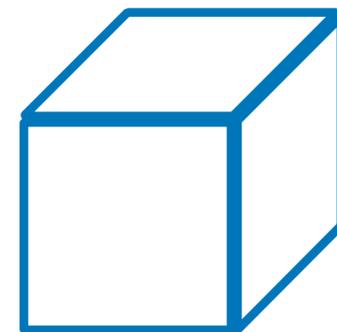
Standard Written Zevy

- "circle" as **kuu**, which ironically became redundant as **kou** "space" was eventually supplanted by **koun** in both dialects
 - a remnant of the interaction between the two transitional standards



Handwritten purple letters for 'kuu' and blue printed letters 'k u u' below it.

/kou/



Handwritten purple letters for 'koun' and blue printed letters 'k ou n' below it.

/koun/

Standardize fossilizing affixes

the **Bemi** dialect
“Literary”



Standard Written Zevy

the **Kuuvi** dialect
“Capital”

- other words like **teisun** “brown” retained the -un suffix of the Bemi dialect, even though the Kuuvi dialect reduced this to /u/ in speech

/teisun/



t e i s u n

Ⓣ ⓔ Ⓢ Ⓤ Ⓝ

/teisu/

Standardize

ganging up on the smaller dialects

the **Bemi** dialect
“Literary”



the **Kuuvi** dialect
“Capital”

Standard Written Zevy

- long vowels, which existed in both major dialects, were written, but long *consonants*, which existed only in smaller dialects, were not written

d a k a
ƒ-ᵏ-

/daka/

Bemi & Kuuvi



d a k k a
ƒ-ᵏᵏ-

/dakka/

everyone else



Three principles of deep orthographies

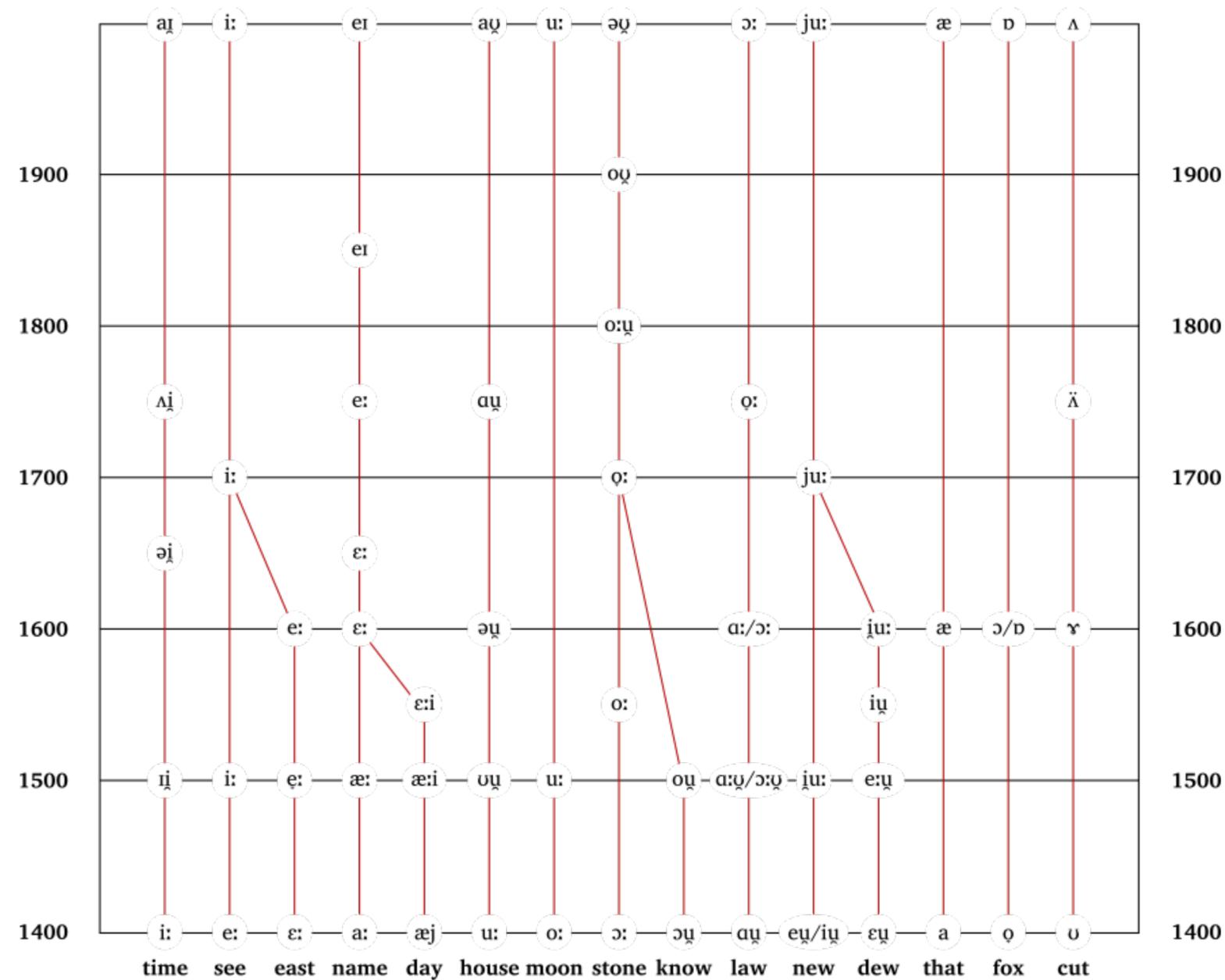
1. Don't get it write the first time 
2. Standardize. Standardise. Standardize. 
3. Watch words drift as you refuse to let go of the passed

Principle three:

**Watch words drift as you refuse
to let go of the passed**

Watch words drift as you refuse to let go of the passed

English: Great vowel shift



Watch words drift as you refuse to let go of the passed

Zevy: Impact of historically long vowels

| Standard Written Zevy | Middle Zevy | intervening period | Modern Zevy <i>Kuuvi</i> | Modern Zevy <i>Bemi</i> |
|----------------------------|-------------|------------------------------|--|--------------------------------------|
| dit “me” | /dit/ | - | /dit/ | /dit/ |
| diit “change” | /diit/ | /djit/ length to onglide | /zit/ affricatization + eventual fricativization | /dzit/ stopped at affricatization |
| tiri “rope” | /tiri/ | - | /tiri/ | /tiri/ |
| tiiri “perceive” | /tiiri/ | /tjiri/ length to onglide | /tsiri/ affricatization | /tsiri/ affricatization |

This merger of /d/ with /z/ before historically long vowels is a distinct marker of the Kuuvi dialect

Watch words drift as you refuse to let go of the passed

Zevy: Impact of historically word-final consonants

| Standard Written Zevy | Middle Zevy | intervening period | Modern Zevy <i>Kuuvi</i> | Modern Zevy <i>Bemi</i> |
|-------------------------------|-------------------------------|--|-----------------------------|----------------------------|
| dit “me” | /dit/ | <p>Kuuvi generally renders /i/ as [i] in free-morpheme monosyllables, but Bemi does. Both tend towards [ɪ] in polysyllabic morphemes</p> <p><small>anncatization</small></p> | /dit/ [dih] | /dit/ [dɪθ] |
| diit “change” | /diit/ | | /zit/ [zih] | /dzit/ [dʒɪθ] |
| dit su “by me” | dit suun “under me” | <p>The vowel in the postpositions <i>su</i> and <i>mu</i> merges with the schwa in Kuuvi, but retains its distinct quality in Bemi</p> | /ditsu/ [dɪθsə] | /ditsu/ [dɪθsʊ/] |
| diit me “in change” | - | | /zitme/ [zɪθmɛ] | /dzitme/ [dʒɪθmɛ] |

The two dialects disagree on the value of /t/ at the end of phonological word...

...but agree on its value at the end of morpheme within a phonological word

Watch words drift as you refuse to let go of the passed

Zevy: More impacts of historically long vowels

| | Middle Zevy | intervening period | Modern Zevy <i>Kuuvi</i> | Modern Zevy <i>Bemi</i> |
|--------------------------|---------------------------------------|---|-----------------------------|----------------------------|
| isiit “seated” | /isiit/ | /isjit/ length to onglide | /iɕit/ [jɪɕɪh] | /iɰit/ [jɪɰɪh] |
| isi “sit” | /isii/ | /isji/ length to onglide | /iɕi/ [jɪɕ] | /iɰi/ [jɪɰ] |
| isit “town” | /isit/ | /izit/ intervocalic voicing | /izit/ [jɪzɪh] | /izit/ [jɪzɪh] |
| si “am” | from disi “I am” /disii/ | irregular; hypothesized to have been hypercorrected by analogy with the similar abbreviation ti from tide | /zi/ [zɪ] | - |
| | | /disji/ length to onglide | - | /ɕi/ [ɕɪ] |

Bemi:
intervocalic /ɕ/ is
voiced

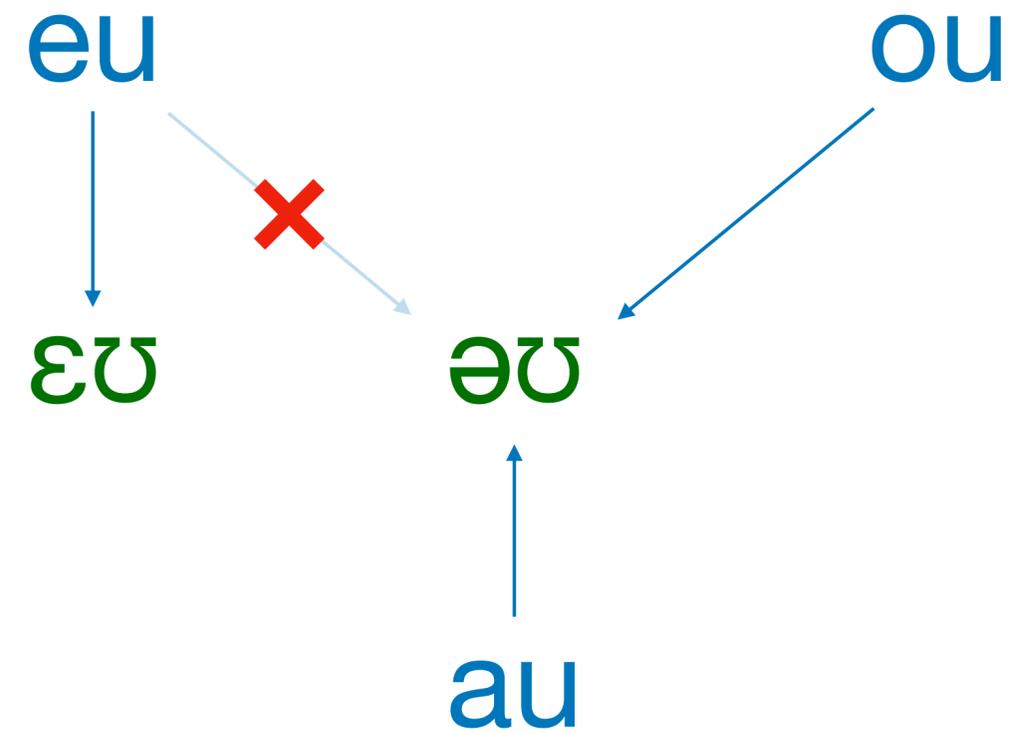
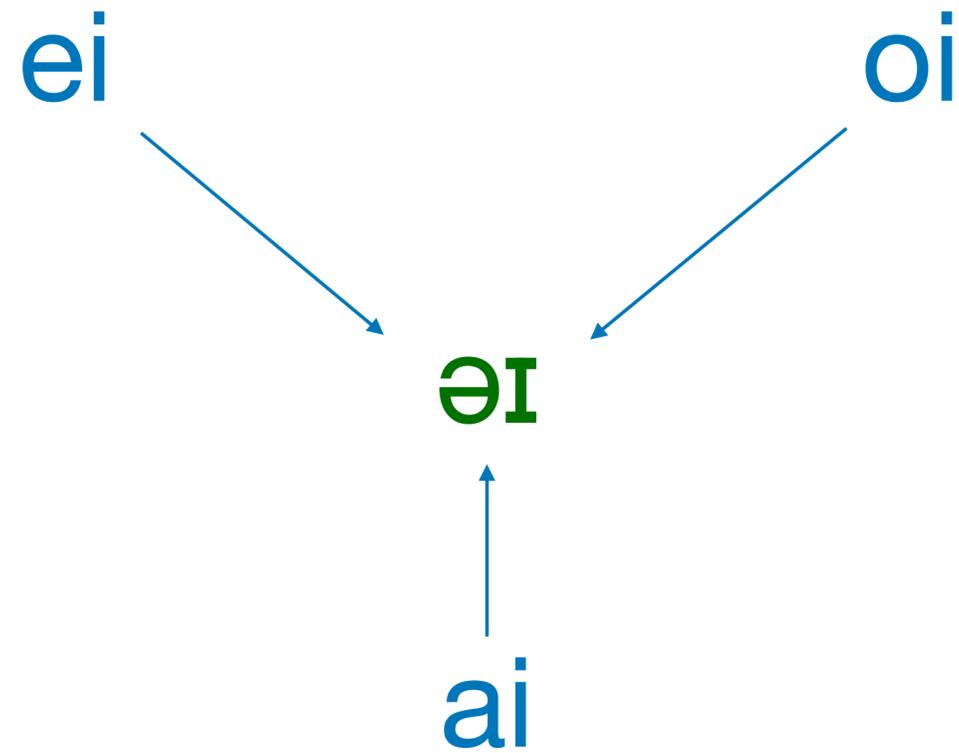
Kuuvi: intervocalic
/ɕ/ is *not* voiced

Both dialects:
intervocalic /s/ is
voiced

Kuuvi:
pronunciation of
copula is irregular

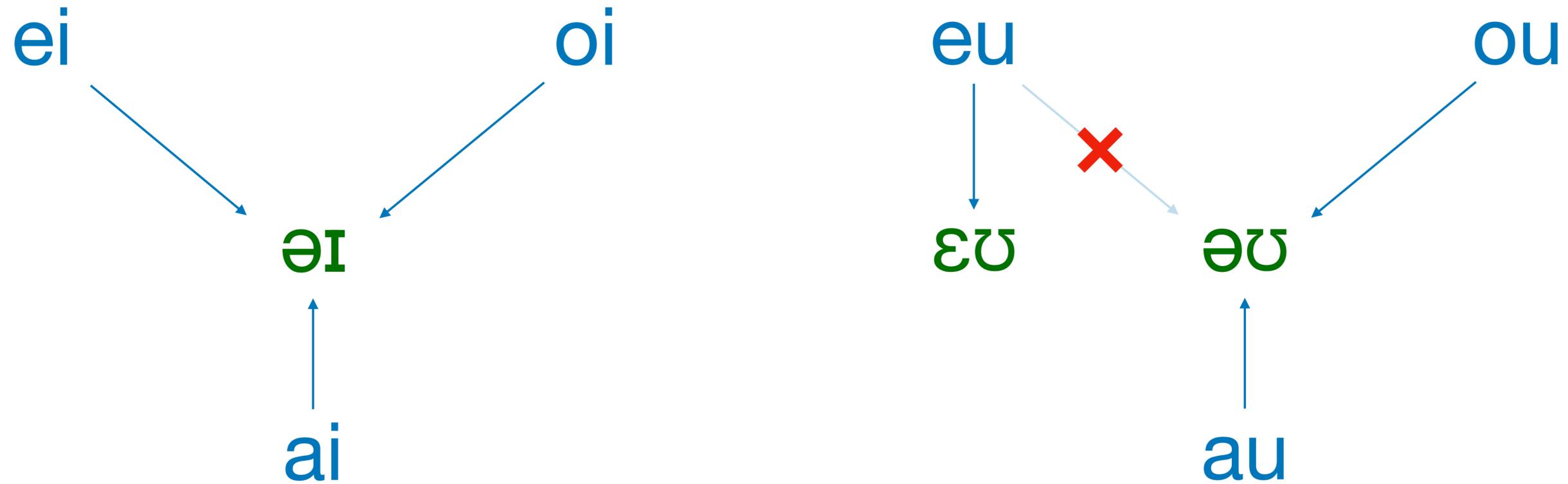
Watch words drift as you refuse to let go of the passed

Zevy: Sound mergers



Watch words drift as you refuse to let go of the passed

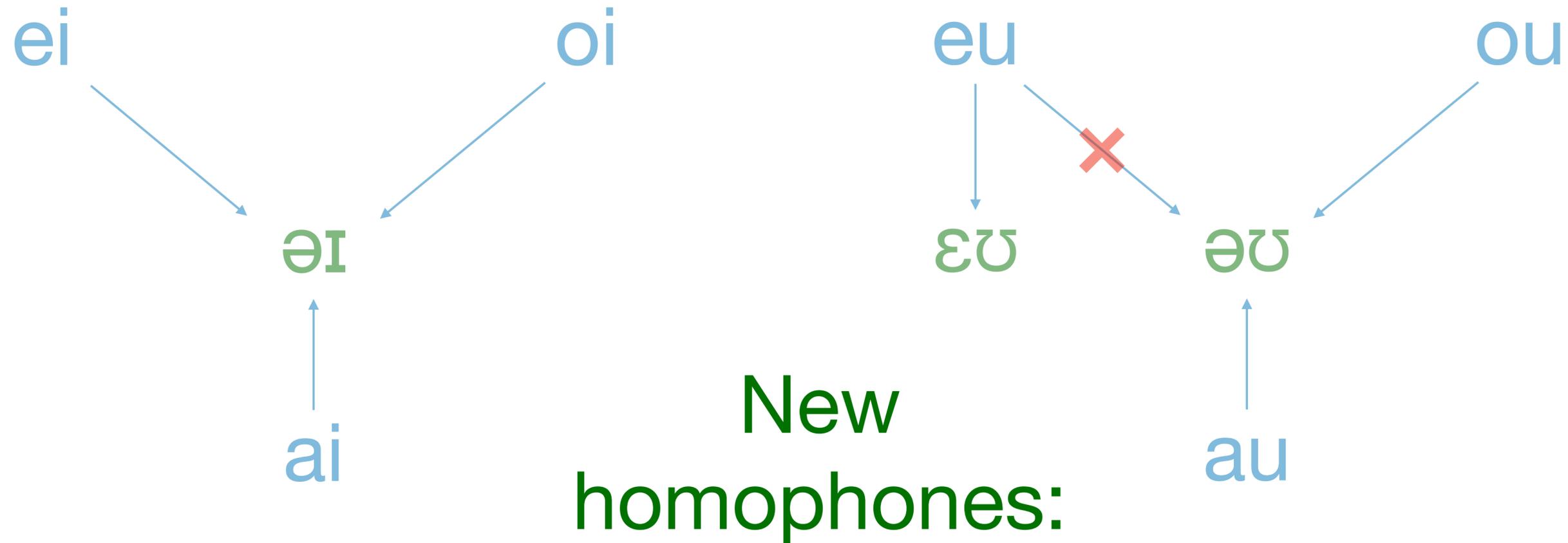
Zevy: Sound mergers



Kuuv
“Capital” → /kəʊvi/

Watch words drift as you refuse to let go of the passed

Zevy: Sound mergers



keimi = koimi
“fiction” “problem”

mau = mou
“strike” “puncture”

Three principles of deep orthographies

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modern zevy writing: complex sound correspondence

ligatures

Handwritten purple Zevy script for "a boring shoe in a brown box".

sound changes

ts t ei s u b ee tθ dakav ervodō



spatial abbreviations me

"a boring shoe in a brown box"

homophone disambiguation

Handwritten purple Zevy script for "in the square under the circle".

unstressed vowel deletion

"in the square under the circle"

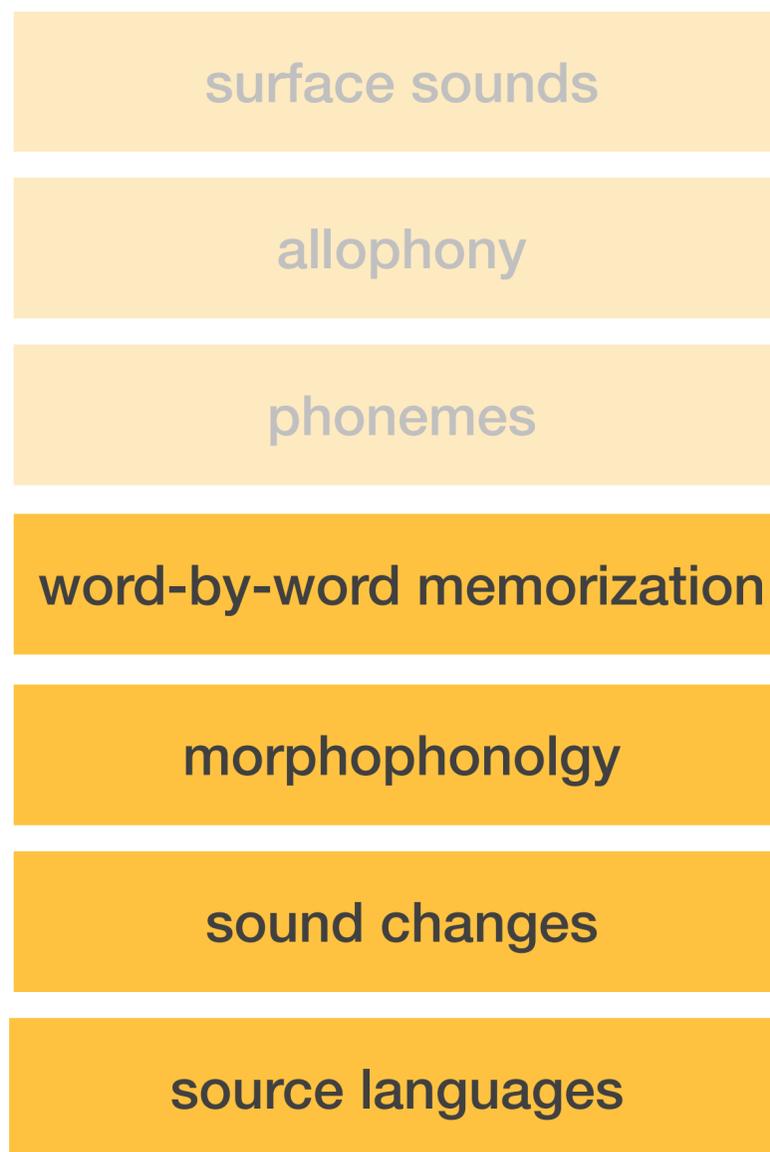
Fin!

Principles of deep orthographies

Don't get it
write the first
time

Standardize.
Standardise.
Standardise.

Watch words drift
as you refuse to let
go of the passed



¿zehi mu?

Questions?

And there's more on Zevy at
connotes.interlocutor.io