

# Deterrorizing Sanskrit

## Sound laws

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## Intermediate steps:

ie. *s* before vowel or voiced stop → oi. *z*

ie. *ḡ* before voiced stop → oi. *j* → *z*

ie. *ḡ* before voiceless stop → oi. *j* → *s*

ie. *\*y(e)ḡ-to* (zero grade and *to*-marker of past participle)

→ *iḡ-ta* (*i* as we need a vowel here)

→ *is-ta* (*s-z* law before voiceless cons.)

and after that on to

→ *iṣ-ta* (*ruki*)

→ *iṣ-ṭa* (forward assimilation)

# s between dentals

We find two odd rules for *s* between dentals. On the one hand, *s* spontaneously emerges between voiced dentals (symbolized by *D*):

$$DD \rightarrow DsD$$

Example: Parasmâipada imperative 2. pers. sg. of *dā* (“to give”)

ie. \**da-dH<sub>3</sub>-dhi*

- *da-dzdhi* (Indo-Iranian emergence of *z*)
- *da-zdhi* (loss of cluster-initial *d*)
- *dê-dhi* (compensatory lengthening before consonant + *i*)

# s between dentals

$$TsT \rightarrow TT$$

Example: gerund *ut-thāya* from *ud-sthā*

# Sandhi rule for inserting sibilant

*abharan* + *ca* → oi. *abharaṃ-ś-ca*  
*hasan* + *ṭīkatê* → oi. *hasaṃ-ṣ-ṭīkatê*  
*dêvān* + *tatra* → oi. *dêvāṃ-s-tatra*

Explanation:

acc. pl. is \*-ō-ns and hence

- ān in word-final position
- with original s before c, ṭ, t as seen above

# Compensatory lengthening for suppression of voiced s

perhaps:

oi. as bef. voiced stops (voiced plosives)

→  $\left\{ \begin{array}{l} \hat{o}, \text{ at the end of words (1.)} \\ \hat{o}, \text{ not word final, not before consonants} + i \text{ (2.)} \\ \hat{e}, \text{ not word final, before consonants} + i \text{ (3.)} \end{array} \right.$

- ① The first line is known to many of you as a very frequent sandhi rule. For example, “the man runs” is

*naras dhava* (without sandhi)

→ *naraz dhavati* (*s-z* law before voiced stops)

→ *narô dhavati* (*z* drops with comp. lengthening)

# Compensatory lengthening for suppression of voiced s, 2.

- *manasbhyām* → *manôbhyām*
- *trayodaśa* ("13") ← *trayas*, nom. pl. ("3") and *daśa* ("10")
- *ṣôḍaśa* ("16") ← *ṣaṣ* ("6") and *daśa* ("10"):

*ṣaṣ-daśa*

- *ṣaṣ-daśa* (backward assimilation)
- *ṣaṣ-ḍaśa* (forward cerebral assimilation)
- *ṣôḍaśa* (ṣ drops with comp. lengthening)

# Compensatory lengthening for suppression of voiced s, 3.

- 2. sg. imperative of “to be”: *as-dhi* → *azdhi* → *êdhi*.



# Compensatory lengthening for suppression of voiced s, 3.

ie. \**veǵh-tum* (full grade and *tum* to mark the infinitive)

→ *vaǵh-tum*

→ *vaǵ-dhum* (aspiration shift)

→ *vaz-dhum* (*s-z* law before voiced cons.)

→ *vô-dhum* (*z* drops with comp. lengthening)

Cerebralization is taken from the PPP *ūḍhá*.

# Compensatory lengthening for suppression of voiced s

Secondary as before voiced stops

ie. \**ad-d(h)*

→ *adz d(h)* (Indo-Iranian emergence of *z*)

→ *az d(h)* (loss of cluster-initial *d*)

→  $\begin{cases} \hat{o}d(h), & \text{at the end of words} \\ \hat{o}d(h), & \text{not word final, not before consonants} + i \\ \hat{e}d(h), & \text{not word final, before consonants} + i \end{cases}$

Example: Parasmâipada imperative 2. pers. sg. of *dā* (“to give”)

ie. \**da-dH<sub>3</sub>-dhi*

→ *da-dz dhi* (Indo-Iranian emergence of *z*)

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# Compensatory lengthening for suppression of voiced s

is and us before voiced stops

oi. *is* bef. voiced cons. →  $\bar{i}$

oi. *us* bef. voiced cons. →  $\bar{u}$

*si-sd-ati* (reduplication with *i* and zero grade)

→ *si-zd-ati* (*s-z* law before voiced cons.)

→ *si-ṛd-ati* (*ruki*)

→ *si-ṛḍ-ati* (forward assimilation)

→ *sīḍ-ati* (*z* drops with comp. lengthening)

together with levelling:

*sīḍ-ati*

# Compensatory lengthening for suppression of voiced s

*v(e)ḡh-to* (zero grade and *to*-marker of past participle)

→ *uḡh-ta* (*u* as we need a vowel here)

→ *uḡ-dha* (aspiration shift)

→ *uz-dha* (*s-z* law before voiced cons.)

→ *uṛ-dha* (*ruki*)

→ *uṛ-dha* (forward cerebral assimilation)

→ *ū-dha* (*z* drops with comp. lengthening)

# Compensatory lengthening for suppression of voiced s

- l(e)ǵh-to* (zero grade and *to*-marker of past participle)
- *liǵh-ta* (*i* as we need a vowel here)
  - *liǵ-dha* (aspiration shift)
  - *liz-dha* (*s-z* law before voiced cons.)
  - *liṛ-dha* (*ruki*)
  - *liṛ-ḍha* (assimilation)
  - *lī-dha* (*z* drops with comp. lengthening)

# Compensatory lengthening for suppression of voiced s

ās before voiced stops

*narās gacchanti* (without sandhi)

→ *narāz gacchanti* (*s-z* law before voiced cons.)

→ *narā gacchanti* (*z* drops with “comp. lengthening”)

*narās īkṣantê* (without sandhi)

→ *narāz īkṣantê* (*s-z* law before voiced cons.)

→ *narā īkṣantê* (*z* drops with “comp. lengthening”)

2. pl. present tense of *ās* (“to sit”):

*ās-dhvê* (without sandhi)

→ *āz-dhvê* (*s-z* law before voiced cons.)

# Compensatory lengthening for suppression of voiced s

## Summary

oi.  $VsP_{\text{voiced}} \rightarrow VzP_{\text{voiced}} \rightarrow \bar{V}P_{\text{voiced}}$

but not  $\bar{a}C_{\text{voiced}}$  but to  $\hat{o}C_{\text{voiced}}$  or  $\hat{e}C_{\text{voiced}}$  instead

# Compensatory lengthening for suppression of voiced s

as before a/other vowels

oi. *as* + *a* → *ô* + avagraha

*rāmas atra* (without sandhi)

→ *rāmaz atra* (*s-z* law before vowel)

→ *rāmô atra* (*z* drops with comp. lengthening)

→ *rāmô 'tra* (*a* of second word drops)

But: before other vowels:

*rāmas īkṣatê* (without sandhi)

→ *rāmaz īkṣatê* (*s-z* law before vowel)

→ *rāma īkṣatê* (*z* drops)



# Compensatory lengthening for suppression of voiced s

## Summary

oi. *as* bef. vowels  $\rightarrow \begin{cases} \hat{o}, & \text{before } a \text{ that is then dropped} \\ a, & \text{before any other vowel} \end{cases}$

oi.  $\bar{a}s$  bef. vowels  $\rightarrow \bar{a}$