

शिखागोविश्वविद्यालये

प्राराम्भकसंस्कृतम्

FIRST-YEAR SANSKRIT

THE UNIVERSITY OF CHICAGO



अल्लटाचार्योद्धावितः पाठऋमः 🎇 Designed by Andrew Ollett









Retroflexion simply means that a dental consonant (*t*, *th*, *d*, *dh*, *n*, *s*) is converted to a retroflex consonant (*t*, *th*, *d*, *dh*, *n*, *s*) under the influence of a preceding sound.





This is a phenomenon of *internal sandhi*, and hence it only occurs within a word (with one complication discussed later).





Three main targets:

$$s \to s$$
 (RUKI)

$$n \to \dot{n}$$
 (NATI)

$$t, th \rightarrow t, th$$





These are all essentially processes of **progressive assimilation**, where the features of a prior sound (the **trigger**) spread to those of a subsequent sound (the **target**).





RUKI

trigger

r / r / r̄

u/ū/ō/au

k

i/ī/ē/ai

target

S

[VOCALIC]

t / th

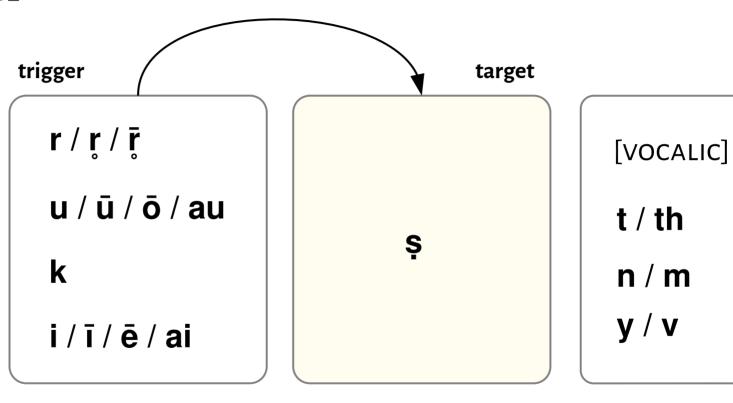
n/m

y / v





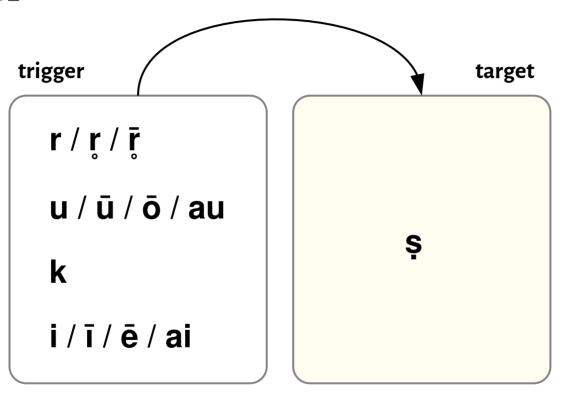
RUKI







RUKI



[HIGH]

[SIBILANT]

[CORONAL]

[VOCALIC]

t / th

n / m

y / v





RUKI - EXAMPLES

(with -su of the locative plural)

$$pit_r + su$$
 \rightarrow $pit_r = su$
 $guru + su$ \rightarrow $guru = su$
 $bhuk + su^1$ \rightarrow $bhuk = su$
 $van = su$ \rightarrow $van = su$



¹ The stem is *bhuj*, depalatized and devoiced to *bhuk* before *s*.



RUKI - EXAMPLES

RUKI can happen even when an *anusvāraḥ* intervenes between the trigger and the target:





RUKI-EXAMPLES

RUKI is **blocked** when the s is followed by r:

usraḥ 🥕





RUKI WITH PREVERBS

Some preverbs end in Ruki triggers: vi, abhi, ni, anu, nir, pari

Some verbal roots that begin with *s* tend to retroflex it after these sounds, while others do not.





RUKI WITH PREVERBS

Those roots suspectible to initial retroflexion are taught with an initial s in the *dhātupāṭhaḥ*, hence they are called sōpadēśaḥ ("taught with s"), in contrast to sōpadēśaḥ ("taught with s") roots.

ni + snātaḥ → ni**ṣ**ṇātaḥ

vi + sarati → vi**s**arati





NATI refers to the retroflexion of n.

In contrast to RUKI, it is a **long-distance** process. This means that n can be retroflexed even if it is separated from its trigger by one or more sounds.





trigger

r / r / r̄

Ş

target

n

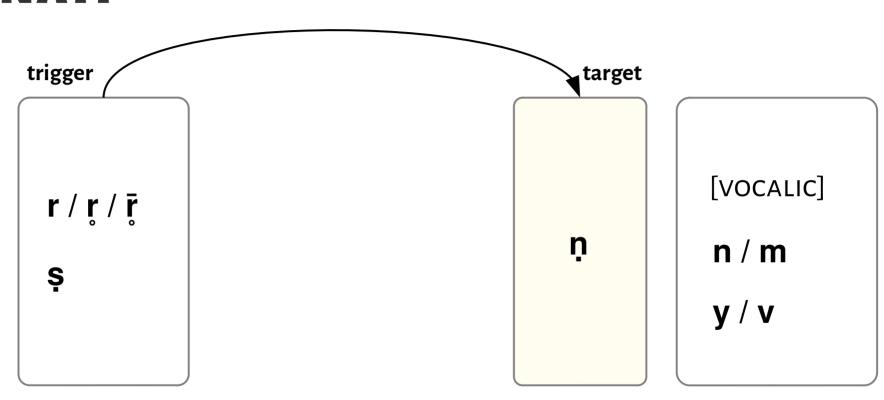
[VOCALIC]

n/m

y / v

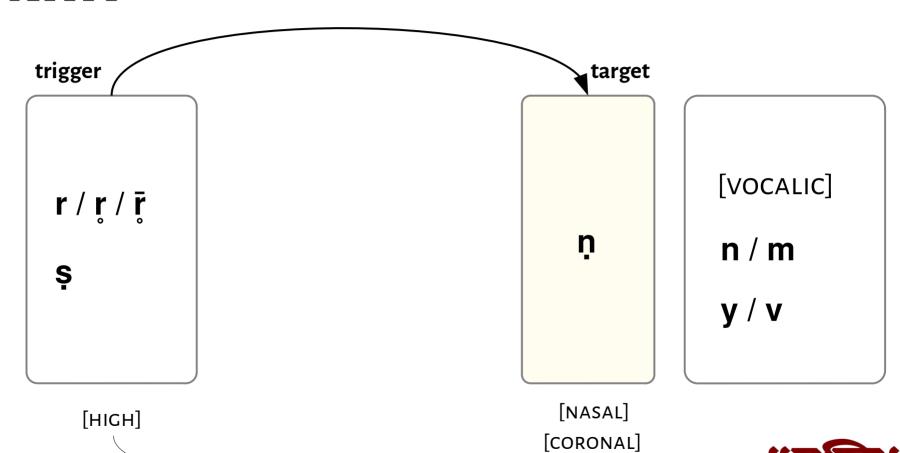
















trigger

target

r / r̥ / r̥̄

Ş

c/ch/j/jh/ñ

ţ/ţh/d/dh/ņ

t / th / d / dh / n

[CORONAL]

ś/s

n

[VOCALIC]

n/m

y / v

[HIGH]

[NASAL]
[CORONAL]





NATI - EXAMPLES

rāmē + na → rāmēṇa

arkē + na → arkēṇa

rāmāyanam → rāmāya**ņ**am

manī**ș**i + **n**ā → manīși**ņ**ā





NATI - EXAMPLES

NATI is **blocked** by a coronal consonant in the following:

a**r**dhē + **n**a → ardhēna

a**rc**a**n**am → arcanam

da**r**śa**n**am → darśanam

ar**n**avā + **n**ām → arnavānām





NATI WITH PREVERBS

Just as in the case of the change of s to s, some verbal roots retroflex an initial n after a NATI trigger in a preverb (e.g., pari, pra), and are taught in the $dh\bar{a}tup\bar{a}tha$ with n, while others do not:

pari + nandanam → parinandanam

pra + nāmaḥ → pra**ņ**āmaḥ





Finally, there is a simple rule that retroflexes dental occlusives and fricatives when they immediately follow retroflex occlusives and fricatives.

The palatal \pm also has this effect, and it is itself retroflexed in the process.





trigger

target

ţ/ţh/d/dh/n

S

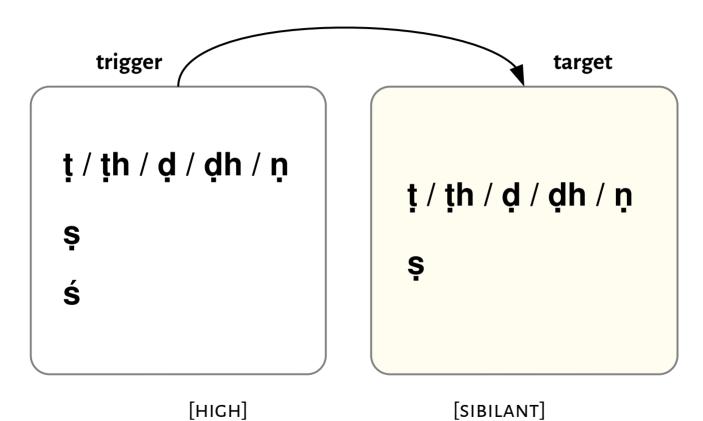
Ś

t / th / d / dh / n

S



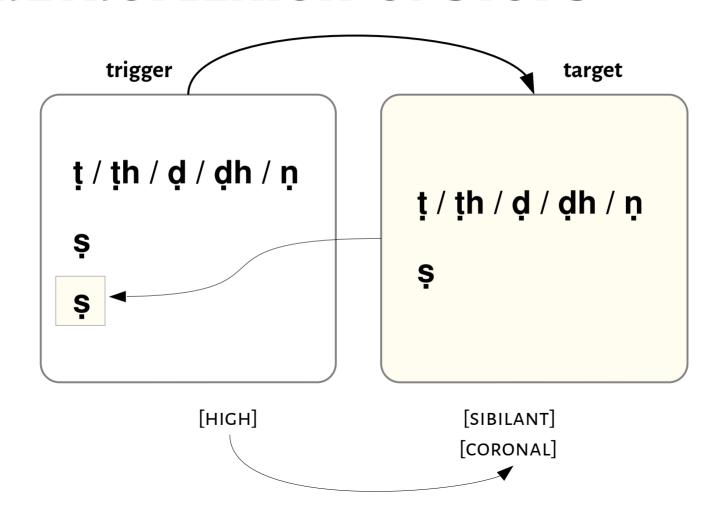




[CORONAL]











All formed with the *táḥ* suffix of the past absolutive participle:

We will encounter further examples with verbal endings later on.





