NATI, or Change of Dental न n and स s into Lingual ख n and इ sh.

§ 95. In addition to the rules which require the modification of certain letters at the beginning and end of words, there are some other rules to be remembered which regulate the transition of dental π and π s into lingual π and π sh in the body of words. Beginners should try to impress on their memory these rules as far as they concern the change of the dental nasal and sibilant into the lingual nasal and sibilant in simple words: with regard to compound nouns and verbs, the rules are very complicated and capricious, and can only be learnt by long practice.

Change of न n into ख n.

§ 96. The dental π n, followed by a vowel, or by π n, π m, π y, and π v, is, in the middle of a word, changed into the lingual π n if it is preceded by the linguals π if π if it is preceded by the linguals π if it is preceded by the linguals π is not stopt by any vowel, by any guttural (π k, π kh, π g, π gh, π h, π h, π h, or by any labial (π p, π ph, π b, π hh, π m, π v), or by π y, intervening between the linguals and the π n.

Ex. $\eta + \pi i = \eta \eta i nri + ndm = nrindm$, gen. plur. of η nri, man.

कर्ण: karnah, ear.

दुषसं dúshaṇam, abuse.

चंहरां vṛiṁhaṇam, nourishing, (इ h is guttural and preceded by Anusvâra.)

चर्चेश arkena, by the sun, (क k is guttural.)

गृह्णानि gṛihṇâti, he takes, (इ h is guttural.)

विष्णु: kshipnuh, throwing, (प् p is labial.)

प्रेम्णा premņā, by love, (म् m is labial.)

जसस्य: brahmaṇyaḥ, (इ h is guttural, म् m is labial, and न् n followed by य् y.)

निषक: nishaṇṇaḥ, (न् n is followed by न् n, which is itself afterwards changed to ए n.)

सञ्चानन् akshaņvat, (म् n is followed by व् v.)

मायेख prâyeṇa, generally, (च् y does not prevent the change.)

But अर्चन archana, worship, (च् ch is palatal.)

चर्चिन arṇavena, by the ocean, (म n is lingual.)

दर्शनं darsanam, a system of philosophy, (ज् s is palatal.)

चर्षेन ardhena, by half, (ध dh is dental.)

कुचैति kurvanti, they do, (न n is followed by त t.)

रामान् râmân, the Râmas, (न n is final.)

Note—हरणः rugnah, like वृक्षाः vriknah (Pân. v1. 1, 16), should be written with स्ह. The प्रg is no protection for the न्n. Thus जिन्न agni has to be especially mentioned as an exception for not changing its न्n into स्n in compounds, such as सराग्निः sardynik. (Pân. Gaņa kshubhnādi.)

§ 97. The न n of न nu, the sign of the Su conjugation, and the न n of ना nā, the sign of the Krî conjugation, are not changed into m n in the two verbs त्य trip and अभ kshubh (Pân. viii. 4, 39). Hence

नृप्रोति tṛipnoti, he pleases *. खुशाति kshubhndti, he shakes. But ज्वाति śṛiṇoti, he hears. पुणाति pushṇâti, he nourishes. खुशाया kshubhāṇa, imper. shake.

Table showing	the	Changes	of	न्	n	into	य्	ņ.
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₹ri,	in spite of intervening	change	if there follow
	Vowels,		Vowels, or
₹rt,	Gutturals	न् n	न <i>n</i> ,
	(including 🔻 h and Anusvâra),		
ζr,	L abials	into	म् <i>m</i> ,
	(including \overline{q} v),		य् y,
₹ sh,	and $ \overline{\mathbf{q}} y$,	nίú	व् v.

- § 98. The changes here explained of π n in the middle of simple words, (whether it belongs to a suffix or a termination,) are the most important to remember. But π n is likewise liable to be changed into π n when it occurs in the second part of a compound the first part of which contains one of the letters π r, π r, or π sh, and particularly after certain prepositions. Here, however, the rules are much more uncertain, and we must depend on the dictionary rather than on the grammar for the right employment of the dental or lingual nasals. The following rules are the most important:
- 1. The change of न n into ज n does not take place unless the two members of the compound are combined so as to express a single conception. Hence चार्झी bârdhrî, a leathern thong, + नस nasa, nose, gives चार्झीयास: bârdhrînasa, if it is the name of a certain animal; according to Wilson, of a goat with long ears; according to others, of a rhinoceros, or a bird. (Uṇâdi-Sûtras, ed. Aufrecht, s. v. Pân. viii. 4, 3.) But चनेन charman, leather, + नासिका nâsikâ, nose, gives चनेनासिक: charmanâsikah, if it means having a leathern nose. An important exception is सर्वनामन sarvanâman, a technical term for pronouns, (सर्वे sarva being the first in their list,) which Pâṇini himself employs with the dental न n only. (Pâṇ. i. i, 27.) Other proper names not following the general rule, are दिन्यन: trinayanah, three-eyed, name of Siva; रचुनंदन: raghunandanah, name of Râma; स्भीन: svarbhânuh, name of Rahu, &c.

^{*} In the Veda we find तृष्णुहि tripņuhi, Rv. 11. 16, 6; तृष्णव: tripņavaḥ, Rv. 111. 42, 2.

Words to be remembered:

षद्मणी: agranth, first, principal, from षद्म agra, front, and नी nt, to lead. द्यामणी: gramanth, head borough, from द्याम grama, multitude, and नी nt, to lead.

वृत्तमः vṛitraghnaḥ, Indra, killer of Vṛitra; but वृत्तह्यां vṛitrahaṇam, acc. of वृत्तह्य vṛitrahan. (Pâṇ. viii. 4, 12; 22.)

गिरिनदी or गिरियदी girinadi or girinadi, mountain-stream.

- पराह्नं parâhnam, afternoon, from परा parâ, over, and षहन ahan, day; but सवै। इत: sarvâhṇaḥ, the whole day, from सवै sarva, all, and षहन ahan, day; and the same whenever the first word ends in च a. (Pâṇ. viii. 4, 7.)
- There are minute distinctions, according to which, for instance, क्योरपानं kshtrapanam if it means the drinking of milk, or a vessel for drinking milk, कंस: क्योरपान: kamsah kshtrapanah, may be pronounced with dental or lingual n (न n or क n); but if it is the name of a tribe who live on milk, it must be pronounced क्योरपाय: kshtrapanah, milk-drinking. (Pân. vIII. 4, 9 and 10.) In the same manner द्वेबाइयां darbhavahanam, a haycart, is spelt with lingual क n; while in ordinary compounds, such as इंद्रवाइनं indravahanam, a vehicle belonging to Indra, the dental न n remains unchanged. (Pân. vIII. 4, 8.)
- 2. In a compound consisting of more than two words the न n of any one word can only be affected by the word immediately preceding. Hence माचवापेश mdsha-vapena, by sowing beans; but माचकुंशवापेन masha-kumbha-vapena, by sowing from a bean-jar. (Pan. viii. 4, 38.)
- 3. In a compound the change of π n into π n does not take place if the first word ends in π g.

Ex. सुक् + स्यनं = स्गयनं rik + ayanam = rigayanam.

Some grammarians restrict this to proper names. (Pân. vIII. 4, 3, 5.)

Or if it ends in च् sh, and the next is formed by a primary suffix with न् n. Ex. नि: + पानं = निष्पानं nih + panam = nishpanam.

यजु: + पावनं = यजुष्पावनं yajuḥ + pâvanam = yajushpâvanam. (Pân. vIII. 4, 35.)

- 4. In compounds the π n of nouns ending in π n, and the π n of case-terminations, if followed by a vowel, are always liable to change.
 - न्नीहिवापिन् vrihivâpin, rice-sowing, may form the genitive न्नीहिवापिक: vrihivâpinah; but also न्नीहिवापिन: vrihivâpinah.

ब्रीहिवापाणि or ब्रीहिवापानि vrihivâpâṇi or vrihivâpâṇi, nom. plur. neut. ब्रीहिवापेण or ब्रीहिवापेन vrihivâpeṇa or vrihivâpeṇa, instrum. sing.

Likewise feminines such as ब्रीहिवापिगी or ब्रीहिवापिनी vrîhivâpinî or vrîhivâpinî. (Kâs.-Vritti viii. 4, 11.)

- : Note—The न n of secondary suffixes, attached to the end of compounds, is, under the general conditions, always changed to य n. Thus खरपः kharapak (i. e. donkey-keeper) becomes खरपायबः kharapayaṇak, the descendant of Kharapa. मानुभोगीयः mātribhogṭṇak, fit to be possessed by a mother, from मानू mātri, mother, and भोगः bhogak, enjoyment, with the adjectival suffix इन ina (samāsānta), is always spelt with य n. (See also § 98.6.) Again, while गगभगनी gargabhagini, the sister of Garga, always retains its dental न n, being an ordinary compound, गगभगयो gargabhagini would have the lingual य n, if it was derived from गगभगः gargabhagak, the share of Garga, with the adjectival suffix इन in, fem. इनी ini, enjoying the share of Garga. Words which after they have been compounded take a new suffix are treated in fact like single words (samānapada), and therefore follow the general rule of § 96. (Pāṇ. viii. 4, 3. Kāś.-Vritti viii. 4, 11, v.)
- 5. If the second part of the compound is monosyllabic, then the change of a final न n followed by a terminational vowel, or of a terminational न n, is obligatory. (Pân. vIII. 4, 12.)
- Ex. वृत्तहन् vritrahan, Vritra-killer; gen. वृत्तहवाः vritrahanah.
 सुरापः surapah, drinking sura; nom. plur. neut. सुरापाधि surapani.
 वीरपः kshirapah, drinking milk; instrum. sing. वीरपेश kshirapena.
- 6. If the second part of a compound contains a guttural, the change is obligatory, even though the second part be not monosyllabic. (Pâṇ. VIII. 4, 13.) Ex. हरिकास: harikâmaḥ, loving Hari; instrum. sing. हरिकासेश harikâmeṇa. शुक्काोसयेश śushkagomayeṇa, instrum. sing. of शुक्काोसय śushkagomaya; (शुक्क śushka, dry, गोसय gomaya, dung.)
- 7. Likewise after prepositions which contain an र्r, the न्n of primary affixes, such as खन ana, खनि ani, खनीय aniya, इन् in, न na (if preceded by a vowel), and मान mâna, is changed to ख्रा, but under certain restrictions. (Pân. viii. 4, 29.)
 - Ex. प्रवपनां pravapaṇam; प्रमागं pramaṇam; प्राप्पमागं prapyamaṇam.
- While in these cases the change is pronounced obligatory, it is said to be optional after causative verbs (Pân. viii. 4, 30), and after verbs beginning and ending in consonants with any vowel but च a (Pân. viii. 4, 31); hence प्रयापणं and ॰ नं prayâpaṇam and prayâpaṇam; प्रकोपणं or ॰ नं prakopaṇam or prakopaṇam. Again, after verbs beginning in a vowel (not च a) and strengthening their bases by nasalization, the change is necessary; it is forbidden in other verbs, not beginning with vowels, though they require nasalization: hence प्र + इंगनं = प्रेगणं pra + ingaṇam = prengaṇam; but प्र + कंपनं = प्रकंपनं pra + kampaṇam = prakampaṇam. Lastly, there are several roots which defy all these rules, viz. भा bhâ, भू bhâ, पू pâ, क्य kam, ग्रम् gam, पाय pyây, वेष vep: hence प्रभानं prabhâṇam &c., never प्रभागं prabhâṇam; प्रवेषनं pravepaṇam, never प्रवेषनं pravepaṇam.
- 8. After prepositions containing an र r, such as wंतर antar, निर् nir, परा pard,

परि pari, and प्र pra, and after हुर् dur, the change of न n into स् n takes place:

1. In most roots beginning with न n. (Pân. v111. 4, 14.)

प्र + नमित = प्रवामित pra + namati = praṇamati, he bows.

परा + नुद्रित = पराश्रुद्रित $par\hat{a} + nudati = par\hat{a}nudati$, he pushes away.

र्षतः + नयति = र्षतिर्योयति antah + nayati = antarnayati, he leads in.

प्र + नायकः = प्रकायकः pra + nâyakaḥ = praṇâyakaḥ, a leader.

The roots which are liable to this change of their initial π n are entered in the Dhâtupâțha, the list of roots of native grammarians, as beginning with π n. Thus we should find the root $\pi\pi$ nam entered as $\pi\pi$ nam, simply in order thus to indicate its liability to change.

2. In a few roots this change is optional if they are followed by Krit affixes, viz. (Pân. viii. 4, 33.)

ियसि nis, to kiss; प्रशिक्षितच्यं or प्रिनिस्तच्यं praņimsitavyam or pranimsitavyam. शिक्ष niksh, to kiss; प्रशिक्ष्यं or प्रिनिक्ष्यं praņikshaņam or pranikshaņam. शिद्धि nid, to blame; प्रशिंदनं or प्रनिद्दनं praņindanam or pranindanam.

3. In a few roots the initial π n resists all change, and these roots are entered in the Dhâtupâtha as beginning with π n, viz. (Pân. vi. 1, 65, v.)

नृत् nrit, to dance. नंद् nand, to rejoice. नद्दे nard, to howl. नद्भ nakk, to destroy. नाद ndt, to fall down, (Chur.) *
नाष ndth, to ask.
नाष nddh, to beg.
न ntt, to lead.

Ex. परिनृतेनं parinartanam; परिनृंदनं parinandanam.

- 4. The root नज्ञ nas, to destroy, changes न n into ख n only when its ज्ञ s is not changed to च sh. प्र + नज्यते = प्रयाज्यते pra + nasyate = pranasyate; but प्र + नहः = प्रनहः pra + nashṭaḥ = pranashṭaḥ, destroyed. (Pâp. VIII. 4, 36.)
- 5. In the root जन an, to breathe, the न n is changed to w n if the र r is not separated from the न n by more than one letter. Thus प्र + जनित = प्राणिति pra + aniti = praniti, he breathes; but परि + जनिति = पर्यनिति pari + aniti = paryaniti. The reduplicated aorist forms प्राणिजन praninat; the desiderative with परा pard is पराणिजियति paraninishati. (Pan. viii. 4, 19, 21.)
- 6. In the root इन् han, to kill, the न् n is changed except where इ h has to be changed to ष gh. (Pâṇ. viii. 4, 22.) Thus प्र + हन्यते = प्रहस्यते pra + hanyate = prahanyate, he is struck down; जंतहस्यते antarhanyate (Pâṇ. viii. 4, 24); but प्र + प्रंति = प्रप्रंति pra + ghnanti = praghnanti, they kill. Also प्रहणानं prahaṇanam, killing.

^{*} It is not नद nat, to dance, but नद nat of the Chur class, and hence written with a long d. Siddh.-Kaum. 11. p. 41, note.

- The change is optional again where न n is followed by म m or च v. (Pan. viii. 4, 23.) Thus प्रहास्म or प्रहासम prahanmi or prahanmi; प्रहन्य: or प्रहास prahanvah or prahanvah.
- 7. The न n of न nu of the Su and of ना nd of the Krî conjugation is changed to बा n in the verbs हि hi, to send, and मी mi, to destroy. (Pân. VIII. 4, 15.) Ex. प्रदिखंति prahinvanti; प्रमीखंति praminanti.
- 8. The न n of the termination जानि dni in the imperative is changeable. (Pân. viii. 4, 16.) Thus म + भवानि = म्रभवाचि pra + bhavâni = prabhavâni.
- 9. The न n of the preposition नि ni, if preceded by प्र pra, परि pari, &c., is changed into जा n before the verbs (Pâṇ. VIII. 4, 17) गद् gad, to speak, नद् nad, to be happy, पत pat, to fall, पद pad, to go, the verbs called पु ghu, नाक * md, to measure, नेक me, to change, सो so, to destroy, हन han, to kill, या yd, to go, चा vd, to blow, द्वा drâ, to flee, प्या psd, to eat, यप vap, to weave, यह vah, to bear, अन sam, to be tranquil (div), पि chi, to collect, दिइ dih, to anoint.

The same change takes place even when the augment intervenes. (Pân. vIII. 4, 17, v.)

प्रस्पगदत् pranyagadat; प्रस्पनदत् pranyanadat.

§ 99. In all other verbs except those which follow मह gad, the change of नि ni after म pra, परि pari, &c., is optional.

प्रनिपचित or प्रशिपचित pranipachati or pranipachati.

Except again in verbs beginning with π ka or π kha, or ending in π sh (Pâṇ. VIII. 4, 18), in which the π n of π ni remains unchanged.

प्रनिक्रोति pranikaroti; प्रनिकाद्ति pranikhâdati; प्रनिपिनष्टि pranipinashți.

Change of स s into प sh.

§ 100. A dental \mathbf{q} s (chiefly of suffixes and terminations), if preceded by any vowel except \mathbf{q} , \mathbf{q} if \mathbf{q} so by \mathbf{q} k, \mathbf{q} r, \mathbf{n} l, is always changed into the lingual \mathbf{q} sh, provided it be followed by a vowel, or by \mathbf{q} t, \mathbf{q} th, \mathbf{q} n, \mathbf{q} m, \mathbf{q} y, or \mathbf{q} v; likewise by certain Taddhita suffixes, \mathbf{q} ka, \mathbf{q} any \mathbf{p} as a seq kalpa, \mathbf{q} respectively.

^{*} Where it seemed likely to be useful, the Sanskrit roots have been given with their discritical letters (anubandhas), but only in their Devanagari form. Panini in enumerating the roots which change नि ni after म pra, मिन prati, &c., into चि ni, mentions मा md, but this, according to the commentaries, includes two roots, the root माइ md(n), which forms मिनीन minute, he measures, and the root मेड me(n), which forms म्यो mayate, he changes. Where in this grammar the transcribed form of a root differs from its Devanagari original, the additional letters may always be looked upon as discritical marks employed by native grammarians. Sometimes the class to which certain verbs belong has been indicated by adding the first verb of that class in brackets. Thus sam (div) means samyati, or sam conjugated like div, and not samyate.

If Anusvâra* or Visarga or ष् sh intervenes between the vowel and the स् ३, the change into स sh takes place nevertheless.

Ex. सर्पिस sarpis, inflectional base; सर्पि: sarpih, nom. sing. neut. clarified butter; instrum. सर्पिस sarpishā; nom. plur. सर्पेशि sarpimshi (here the Anusvâra intervenes); loc. plur. सर्पिः sarpihshu (here the Visarga intervenes), or सर्पिन् sarpishshu (here the इ sh intervenes). वास vākshu, loc. plur. of वास vāch, speech.

सर्वेशक् + सु = सर्वेशक् sarvasak + su = sarvasakshu, omnipotent.

বিরন্তিষ্ (মৃ) + মু = বিরন্তিষ্ণ chitralikh (k) + su = chitralikhu, painter. গাঁমু girshu, loc. plur. of গিছ্ gir, speech.

कमल् + सु = कमल्यु kamal + su = kamalshu, naming the goddess Lakshmi. बोस्यित dhrokshyati, fut. of दूह druh, to hate; (here ξ h is changed to ξ k, and the aspiration thrown on the initial ξ d.)

पोस्ति pokshyati, fut. of पुष् push, to nourish; (here ए sh is changed into क k.)

सर्पि: + क: = सर्पिच्य: sarpih + kah = sarpishkah; adj. formed by क ka, having clarified butter.

सिंदि: + तर: = सिंदिर: sarpiḥ + taraḥ = sarpishṭaraḥ; (here the स् t of तर: taraḥ is changed into द t, as in § 89, III. 2.) If the penultimate vowel be long, no change takes place; जीसारा gistarā. (Pâṇ. vIII. 3, 101.)

सर्पि: + नत् = सर्पिचात् sarpih + mat = sarpishmat, having clarified butter.

Table showing the Changes of \(\mathbf{q} \) s into \(\mathbf{q} \) sh.

Any Vowel except \mathbf{w} , \mathbf{w} , δ , (in spite of intervening Anusvâra or Visarga or sibilant,) and \mathbf{w} , \mathbf{v} , \mathbf{w} ,	change स् ः into	if there follow Vowels, or n, t, w, th, n, n, m,
if immediately preceding,	ष् sh	य् ४, च् ७.

§ 101. The same rule produces the change of \mathbf{z} s into \mathbf{z} sh in roots beginning with \mathbf{z} s, if reduplicated, provided the vowel of the reduplicated syllable is not \mathbf{z} , and \mathbf{z} . Ex. and svap, to sleep; Redupl. Perf. \mathbf{z} such vapa,

^{*} The Anusvara must not represent a radical nasal; hence पुंस puinsu, not पुर्व puinsu, not visit quinsu, not v

I have slept. fay sidh, Des. faffinafa sishitsati. This rule is liable to exceptions.

∮ 102. Again, many roots beginning with स s change it into स sh after prepositions requiring such a change, viz. सित ati, over, सनु anu, after, सिप api, upon, सित abhi, towards, नि ni, in, निर् nir, out, परि pari, round, सित prati, towards, नि ni, away: Ex. सिम + स्तीति = सिम्होति abhi + stauti = abhishṭauti, he praises. The same change takes place even after the augment has been added, in which case the स s is really preceded by an स a: Ex. सम्बद्धीत abhyashṭaut, he praised. Some verbs, after these prepositions, keep the स sh in the reduplicated perfect: Ex. सिस् sich, to sprinkle; सिमियियति abhishiñchati, he sprinkles; सिमियिय abhishishecha, he has sprinkled. In the intensive सिस् sich does not follow this rule; hence सिमियियति abhisesichyate (Pâṇ. VIII. 3, II2); but in the desiderative स s is changed, सिमिययति abhishishishikshati. Many other cases must be learnt from the dictionary or from Pâṇini.

§ 103. In order to give an idea of the minuteness of the rules as collected by native grammarians, and of the complicated manner in which these rules are laid down, the following extracts from Pâṇini have been subjoined, though they by no means exhaust the subject according to the views of native grammarians. It need hardly be added that beginners should not attempt to burden their memory with these rules, though a glance at them may be useful by giving them an idea of the intricacies of Sanskrit grammar.

Native grammarians enumerate all monosyllabic verbs beginning with स्s, and followed by a vowel or by a dental consonant, (likewise सिन्ह smi, खिद् svid, खद् svad, संज् svañj, सप् svap,) as if beginning with म्sh. Thus they write चित्र shidh, हा shthd, जि shmi. (Pân. vi. 1, 64.)

This is not done with सृष् spip, सृष् spij, स्तृष् stri, स्तृष् stri, स्त्रे styai, सेब् sek, सृ spi, in order to show that their initial स् s is not liable to be changed into स् sh under any circumstances.

They then give the general rule that this initial \P sh is to be changed into \P s, in all these verbs, except \P shthiv and \P shvashk, (and according to some in \P shtyai, Sâr.,) unless where \P sh is enjoined a second time.

Now ξ sh for ξ s in these verbs is enjoined a second time:

- When a preposition, or what else precedes it, requires such permutation, according to general rules. वि+स्तीति = विशीति vi + stauti = vishṭauti. सेव sev forms सिमेच sisheva in the reduplicated perfect.
- 2. In desideratives, when the reduplicative syllable contains इ or उ, i or u. विश् sidh, Des. विशिव्यति sishitsati.

But if the \(\mathbf{e} \) s of the desiderative element must itself be changed to \(\mathbf{e} \) sh,

- the initial स् s remains unchanged. विस् sidh, विसेधियित sisedhishati. (Pâṇ. v111. 3, 61.)
- Except in स्तु stu, and in derivative verbs in स्व aya, where स् s is changed to स् sh. स्तु stu, Des. तृह्यति tushṭushati. तिथ sidh, Caus. सेथ्यति sedha-yati, Des. तिथेथयिवति sishedhayishati; but सुस्वति susushati. (viii. 3, 61.)
- Except again, in certain causatives, in जय aya (VIII. 3, 62), where स् s is not changed into च् sh. खिद् svid, सिखेदियचित sisvedayishati. खद् svad, सिखादियचित sisvedayishati. सह sah, सिसाद्दियचित sisvedayishati.
- 3. In certain verbs, after prepositions which require such a change, even when they are separated from the verb by the augment, viz. सु su (su), सू st (tud), सो so (div), सु stu (ad), सूअ stubh (bhd); or even if separated by reduplication, in the verbs स्था sthd, सेन्य senaya, सिष sidh, सिच् sich, संज् sañj, संज् svañj, सद् sad, स्तंभ stambh, स्वन् svan, सेच् sev, (the last only after परि pari, नि ni, चि vi: VIII. 3, 65.)
 - After prepositions: जिम्ह्योति abhishuṇoti. जिम्ह्यति abhishuvati. जिम्ह्यति abhishyati. परिष्टीति parishṭauti. परिष्टीभते parishṭobhate. जिम्ह्यति abhishṭhdəyati. जिम्ह्यति abhishṭhdəyati. जिम्ह्यति abhishiñchati. परिज्ञति parishajati. परिज्ञते parishvajate (VIII. 3, 65). निवीदिति nishidati, but प्रतिसीदिति pratisidati (VIII. 3, 66). जिम्ह्याति abhishṭabhnâti (VIII. 3, 67 and 114). Also जव्हस्य avashṭabhya (VIII. 3, 68, in certain senses). वि and जवस्याति vi and avashvaṇati (VIII. 3, 69, in the sense of eating). परिचेवते parishevate.
 - After prepositions and augment: ज्ञान्यात् abhyashunot. प्रवेषुवत् paryashunat. ज्ञान्यात् abhyashyat. प्रवेषीत् paryashtaut. ज्ञान्यात् abhyashtobhata. ज्ञान्यात् abhyashthat. ज्ञान्यात् abhyashenayat. प्रवेषेषत् paryashedhat. ज्ञान्यात् abhyashinchat. प्रवेषणत् abhyashajata. ज्ञान्यात् abhyashvajata. ज्ञान्यात् abhyashtat. ज्ञान्यात् abhyashtathnat. ज्ञान्यात् ayashvanat and ज्ञान्यात् avashvanat. प्रवेषेषत् paryashevata.
 - After prepositions and reduplication (VIII. 3, 64): অপিনতী abhitashthau.
 অপিদিইঅবিদান abhishishenayishati. অপিদিইঅবিদান abhishishedhayishati.
 অপিদিইঅনি abhishishishishishati. অপিদিইঅনি abhishishankshati and
 অপ্দিইঅন abhyashishankshat. অবিদিইঅন parishishvankshate. লিখিবজানি
 nishishatsati (VIII. 3, 118). অপিনত্ন abhitashtambha. অব্যাহ্যান্ত avashashvaṇa. परिष्टिच parishisheva, (the last only after पर pari, नि ni, दि vi.)
- 4. Only after the prepositions परि pari, नि ni, वि vi, the following words (VIII. 3, 70): the part. सित: sitah, the subst. सय: sayah, सिव् siv, सह sah; क kṛi (if with initial स s, स्क skṛi) and similar verbs; स्त stu.
 - The words mentioned in 4. and संज् svañj may optionally retain स् s, if the augment intervenes. (VIII. 3, 71.)

- 5. After the prepositions चनु anu, वि vi, परि pari, जिल abhi, नि ni, स्यंद् syand may take च sh, except when applied to living beings. (VIII. 3, 72.)
- 6. After the prep. to vi, τάξζ skand may take ψ sh, though not in the past participle in π ta (viii. 3, 73), but after the prep. पर pari, throughout, even in the past participle (viii. 3, 74).

 vi(ταπ: parish-kannah or pariskannah.
- 7. After the prep. निर् nir, नि ni, वि vi, the verbs स्मुद् sphur and स्मुद्ध sphul may take च sh. (VIII. 3, 76.)
- 8. After the prep. वि vi, संभ् skambh must always take च sh. (VIII. 3, 77.)
- 9. The verb अस् as, after dropping its initial vowel, takes च sh after prepositions which cause such a change, and after माहर pradur, if the च sh is followed by च y or a vowel (viii. 3, 87). अभिचात् abhishydt. माहःचात् praduhshydt. माहःचीत praduhshanti.
- 10. The verb खप् svap, when changed to सुप sup, takes ष् sh, after सु su, वि vi, निर् nir, दुर् dur (viii. 3, 88). सुप्ताः sushuptah. दुःप्ताः duhshuptah. Exceptional cases, where स s is used, and not ष sh:
- 11. The verb सिष् sich, followed by the intensive affix (viii. 3, 112). अधि-वेसियाते abhisesichyate.
- 12. The verb सिप sidh, signifying to go (VIII. 3, 113). परिसेपति parisedhati.
- 13. The verb सह sah, if changed to सोद sodh (viii. 3, 115). परिसोदुं pari-sodhum.
- 14. The verbs स्तंभ् stambh, सिव् siv, सह sah, in the reduplicated aorist (viii. 3, 116). पर्यसीमहत् paryasishahat.
- 15. The verb सु su, followed by the affixes of the 1st future, the conditional, or the desiderative (viii. 3, 117). अभिसोचित abhisoshyati. अभिसुस: abhisusah.
- 16. The verbs सद् sad, संज् svañj, in the reduplicated perfect (vIII. 3, 118). चिभमसाद abhishasdda. चिभमसाचे abhishasvaje.
- 17. The verb सह sad, optionally, if preceded by the augment (VIII. 3, 119). न्यपीदत or न्यसीदत nyashidat or nyasidat.
- § 104. There are many compounds in which the initial स s of the second word is changed to स sh, if the first word ends in a vowel (except ā). Ex. युधिहर yudhishihira, from युधि yudhi, in battle, and स्थिर sthira, firm; सुद्र sushihu, well; दुद्र dushihu, ill; सुवम: sushamaḥ, beautiful, विवन: vishamaḥ, difficult, from सम: samaḥ, even; तिद्वश trishtubh, a metre; किनवोमी agnishomau, Agni and Soma; मातृष्यस् mātrishvasri, mother's sister; पितृष्यस् pitrishvasri, father's sister; गोष्ठ: goshṭhaḥ, cow-stable; किनवोम: agnishṭomaḥ, a sacrifice; ज्योतिहोम: jyotishṭomaḥ, a sacrifice; ज्योतिहोम: jyotishṭomaḥ, a name of Indra, and similar compounds,

स s is changed to म sh whenever इ h becomes द t; nom. तुराबाइ turdshdi; acc. तुरासाइ turdsdham. (Pân. viii. 3, 56.)

Change of Dental & dh into Lingual & dh.

§ 105. The भ्dh of the second pers. plur. Âtm. is changed to इ dh in the reduplicated perfect, the aorist, and in भीकां shidhvam of the benedictive, provided the भ dh, or the भी shi of भीकां shidhvam, follows immediately an inflective root ending in any vowel but भ, भा å. (Pân. VIII. 3, 78.)

Ex. क kri; Perf. चक्दे chakridhve.

च्यु chyu; Aor. चच्योदं achyodhvam.

मु plu; Bened. मोबीट्टं ploshidhvam.

But श्विष् kship; Aor. चश्चिन्ध्यं akshibdhvam.

यज् yaj; Bened. यखीध्यं yakshidhvam.

If the same terminations are preceded by the intermediate ξi , and the ξi be preceded by ξy , ξr , ξz , ξz , the change is optional.

Ex. लु lu; Perf. लुलुविध्वे luluvidhve or लुलुविद्वे luluvidhve.

सु lu; Aor. चलियां alavidhvam or चलियं alavidhvam.

ल् lu; Bened. लिवबीधं lavishidhvam or लिवबीदं lavishidhvam.

But बुध budh; Aor. अवोधियं abodhidhvam.

Rules of Internal Sandhi.

§ 106. The phonetic rules contained in the preceding paragraphs (§ 32-94) apply, as has been stated, to the final and initial letters of words (padas), when brought into immediate contact with each other in a sentence, to the final and initial letters of words formed into compounds, and to the final letters of nominal bases before the Pada-terminations, and before certain secondary or Taddhita suffixes, beginning with any consonant except Ψ y.

There is another class of phonetic rules applicable to the final letters of nominal (prâtipadika) and verbal bases (dhâtu) before the other terminations of declension and conjugation, before primary or Krit suffixes, and before secondary or Taddhita suffixes, beginning with a vowel or $\forall y$. Some of these rules are general, and deserve to be remembered. But in many cases they either agree with the rules of External Sandhi, or are themselves liable to such numerous exceptions, that it is far easier to learn the words or grammatical forms themselves, as we do in Greek and Latin, than to try to master the rules according to which they are formed or supposed to be formed.

The following are a few of the phonetic rules of what may be called Internal Sandhi. The student will find it useful to glance at them, without