

L'œuvre mathématique et astronomique
de Bhāskarācārya

Le Siddhāntaśiromañi

L'arithmétique : Līlāvatī
Chapitre 8 : La règle de trois et autres règles
de proportion
avec le commentaire Aṅkāmṛtasāgarī de
Gaṅgādhara

édition, traduction et commentaires
par
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Aṣṭamo 'dhyāyah

Trairāśikādi

[Traiṛāśikam]

atha trairāśike karaṇasūtravṛttam—
pramāṇam icchā ca samānajātī
ādyantayos tatphalam anyajātī |
madhye tad icchāhatam ādihṛt syād
icchāphalam vyastavidhir vilome || 73 ||

5

trayāṇām rāśīṇām samāhāras trirāśikām trirāśikasyedam gaṇitam tra-
rāśikam | tadrāśitraya ādyantayor yau rāśī tau samānajātī ekajātī bhavata
ekaḥ pramāṇarāśir apara icchārāśir iti | taylor madhye 'nyajātis tatphalam
phalarāśis tasya pramāṇasya phalam | athavā tatphalam pramāṇaphalam
10 ity arthaḥ | tatphalam icchāhatam ādyena pramāṇena hṛtam icchāphalam
bhavati |
vilome vyastatrairāśike vyastavidhir ādyahatam icchāhṛtam iti |

1–5 atha... vilome] atha- *om.* -ṝ -kha ◇ rāśike- rāśikena -ā ◇ sūtra- sūtram -ā -kha ◇
tat(1)- ta -āl taḥ -i -ka ◇ jāti- jātī -āl jātiḥ -i ◇ ādi(2)- ādyā -ā ◇ vidhiḥ- dhiṝ -ṝ
6–8 trayāṇām... icchārāśir iti] gaṇitam- *om.* -u -ṝ ◇ trairāśikam- *om.* -i ◇ rāśi(3)- rāsi
-kal rāśike -kha ◇ ādyantayoḥ- ādyā antayoḥ -i -ū ◇ ekajātī- *om.* -ṝ ◇ ekaḥ- eka -ā -i -ū
◇ iti(1)- *om.* -ā
8–12 tayoḥ... hṛtam iti] tayoḥ- tayo -ṝ ◇ anya- anyatara -i ◇ jātiḥ- jātī -i -ṝ ◇ tat(2)-
etat -i -ūl tataḥ -kha ◇ phalam(1)- *om.* -ā -ṝ -ka -kha l jatam *add.* -u ◇ phalam(2)- ta-
tphalam *add.* -u ◇ phalam(3)- pala -i l *om.* -ka ◇ pramāṇa- *om.* -ṝ l pramāṇam -ṝ -ka ◇
phalam(4)...iti(3)- *om.* -ṝ ◇ tat(3)- etat -i -ū ◇ phalam(5)- *om.* -ṝ -ka ◇ hṛtam(1)- hatam
-ā -i -kha ◇ ichā(3)- bha *add.* -i ◇ vilome- viloma -i l vilomai -ka ◇ vyasta(1)- vidhi *add.*
-ā -ṝ l *om.* -ka ◇ rāśike- rāśika -ā -kha ◇ vidhiḥ- vidheḥ -i

atroddeśaka udāharanam—

kuṇkumasya sadalam paladvayam
niṣkasaptamalavais tribhir yadi
prāpyate sapadi me vanigvara
5 brūhi niṣkanavakena tatkiyat || 74 ||

kuṇkumasya sārdham paladvayam niṣkasya tribhiḥ saptāṁśair yadi labhyate tad dhe vanigvara niṣkanavakena kiyat kuṇkumam prāpyate sa-
padi brūhīti |

atra samānajātī niṣkarāśī tatra pramāṇamūlyatvāt saptāṁ śatrayam
10 pramāṇarāśīḥ | niṣkanavakam icchārāśīḥ | kuṇkumarāśīr anyajātitvāt pra-
māṇaphalatvāc ca madhyarāśīr iti |

nyāsah | 3 | 5 | 9 |
| 7 | 2 | 1 |

icchāhataṁ madhyam | 45 |
| 2 |

ādyena cchedāṁśaviparyāsaṁ kṛtvā hatam | 315 |
| 6 |

15 chedena hṛtam labdhāni kuṇkumapalāni 52 śeṣam 3 |
palacaturthabhāgatvāt karṣayeti caturguṇam chedena punar bhaktam la-
bdhau karṣau 2 |

1–5 atra... kiyat] atra...udāharanam- idam uddeśakenoddiśati -ā ◇ atra- *om.* -ṛ ◇ ud-
deśaka- uddeśakam -i -u -ṛ ◇ udāharanam- udā° -u ◇ pala- pada -i ◇ sapadi- sa yadi -ā
◇ tat- *om.* -ā

6–8 kuṇkumasya... brūhīti] sa- *om.* -ā -i ◇ ardham- *om.* -i ◇ sapta(1)- saptama -u -ka
-kha ◇ kuṇkumam- kuṇkumasya -i -ū ◇ prāpyate- tad add. -ṛ ! labhyate -ṛ ◇ sapadi- sa
yadi -ā ◇ iti- *om.* -u -ṛ

9–11 atra... rāśir iti] jātī- iti add. -i ◇ rāśī- rāśi -ṛ ◇ tatra- *om.* -ā ◇ pramāṇa(1)-
pramāṇam -i -ū | pramāṇā -ṛ ◇ trayam- yam -i ◇ icchā- iccha -ṛ ◇ anya- a -ṛ ◇ jāti- *om.*
-u ◇ tvāt(2)- tad add. -ā | tvā -ṛ ! kṛta add. -ṛ

13–17 iccha... karṣau 2] icchā- yāntena [9] madhyam [5] add. -u ◇ hatam(1)- haram -
kha ◇ viparyā- viparyayā -i | viparyayāśena -u | viparyayāse -ṛ ◇ samkṛtvā- samkṛtyā -ā |
om. -u | kṛtvā -ṛ ! samkṛtvāt -ka ◇ hatam(2)- hr -ṛ ◇ chedena- cheda -u -kha ◇ hṛtam-
hṛte -ṛ ! kṛtam -ṛ ◇ kuṇkuma- kuṇkumāni -ā ◇ 3- *om.* -ā ◇ pala- *om.* -ṛ ◇ bhāgatvāt-
bhāgakṛtvāt -i ◇ karṣasya- karṣakasya -ṛ ◇ guṇam- 12 add. -ka ◇ chedena(2)- chedam
-u ◇ punaḥ- la -ka

dvitīyodāharanam—

prakṛṣṭakarpūrapalatrisaṣṭyā
cel labhyate niṣkacatuṣkayuktam|
śatam tadā dvādaśabhiḥ sapādaiḥ
palaiḥ kim ācakṣva sakhe vicintya|| 75 ||

5

prakṛṣṭasyottamasya karpūrasya triṣṭipalaiḥ yadi caturadhikam niṣkaśatam labhyate tadā sapādair dvādaśabhiḥ palaiḥ kim dravyam labhyata iti |

nyāsaḥ 63 | 104 | 49 |
4

10 madhyam anyajāti dravyatvād ādāv ante ca karpūrajāti | ādau pramāṇamūlyatvāt pramāṇam anta icchātvād iccheti |

madhyam icchāguṇam jātam 5096 pramāṇena bhaktam bhinnabhā-

4

gatvāt parivartya guṇam 5096 | bhāge labdhā niṣkāḥ 20 śeṣam
252

56 |
252

15 niṣkasya ṣoḍaśāṁśo dramaṇa iti ṣoḍasaguṇam 896 bhāge labdhā dra-
252

mmāḥ 3 śeṣam 140 |
252

1–5 dvitīya... vicintya] atha add. -ka ◇ udāharanam- udā° -u -kha ◇ cet- yat -ka

6–8 prakṛṣṭasya... labhyata iti] karpūrasya- om. -u -kha ◇ palaiḥ- palena -u | pale -kha ◇ adhikam- adhika -ū ◇ śatam- phalam add. -ṛ ◇ sa- om. -ā ◇ dvādaśabhiḥ- dvadibhiḥ -ka

9–11 nyasah... iccheti] 63- 63 -ka ◇ 104- 106 -ū | 104 -ka ◇ madhyam...mūlyatvāt- om. -ā ◇ dravya- om. -ṛ ◇ ante(1)- amṛtam -i | amṛta -kha ◇ jāti(2)- jātiḥ -u -ṛ | jā -ū ◇ mūlyā- mū -u | pūrva -ṛ ◇ icchā(1)- iccha -ṛ | icchādi -ka

12–14 madhyam... śeṣam 56 madhyam- madhyena -ā ◇ icchā- om. -ā ◇ 5096 - 5096 -i -ū ◇ pramāṇena- pramāṇe -i ◇ bhaktam- na add. -i | bhakta -ū ◇ bhinna- bhinnā -i ◇ bhāga- mārga -ā | bhāgahāra -ū ◇ guṇam(2)- guṇana -u ◇ 5096 - 5096 -ā ◇ labdhā- labdham -ā | labdhāni -ṛ ◇ niṣkāḥ- niṣkāni -ṛ ◇ śeṣam- om. -i -ū

15–16 niṣkasya... śeṣam 140 niṣkasya... śeṣam 140 om. -i | drammaḥ 3 paṇa 6 -ū ◇ labdhā- labdhe -ā -ṛ -ka ◇ śeṣam- jām kṛ add. -kha

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|---|------|------------------|
| drammaśodaśāṁśasya paṇasya lābhārthaṁ śodaśaguṇam | 2240 | la- |
| bdhāḥ paṇāḥ 8 śeṣam | 224 | |
| | 252 | |
| kākiṇīcatuṣṭayātmakatvāt paṇasya caturguṇam | 896 | bhāge labdhā kā- |
| | 252 | |
| kīnyāḥ 3 śeṣam | 140 | |
| | 252 | |
| 5 kākiṇyā vimśativarāṭakātmakatvād vimśatigunam | 2800 | bhāge labdhā |
| | 252 | |
| varāṭakāḥ 11 śeṣam | 28 | |
| | 252 | |
| aṣṭāvimśatyāpavartite varāṭakabhāgāḥ | 1 | |
| | 9 | |

tṛīyodāharanam—

drammadvayena sāstāṁśā
śālitaṇḍulakhārikāḥ
labhyā cet paṇasaptatyā
tat kiṁ sapadi kathyatām || 76 ||

sugamākṣarayojanāḥ paṇasaptatyeti vacanāt sajātīyakaraṇārthaṁ

1–2 dramma... śeṣam [224] [252] dramma... labdhāḥ- om. -i ◇ dramma- drammā -kha ◇ paṇasya- paṇa -āl paṇa -i -u -ū -ṛ -ṛ -kha ◇ lābha- om. -ā -u ◇ guṇam- guṇāḥ -ka ◇ om. -ka ◇ śeṣam- śeṣāḥ -ā

3–4 kākiṇī... śeṣam [140] [252] guṇam- guṇāḥ -u -kha ◇ labdhāḥ- labdhā -ṛ -ka ◇ [140] [252] om. -ā

5–7 kākiṇyā... bhāgāḥ [1] [252] vimśati(1)- vimśate -kha ◇ varāṭaka(1)- varāṭakā -uḥ iti add. -u ◇ ātmakatvāt- om. -uḥ tvāt -kha ◇ guṇam- guṇitam -i -ū ◇ bhāge... varāṭaka(2)- om. -ā ◇ bhāge- hr̥ta add. -ū ◇ [28] [252] om. -ṛ ◇ apavartite- pañcavartte -iḥ apavarte -ū -kaḥ apavartena -ṛ -ṛ ◇ varāṭaka(2)- varāṭakā -ṛ ◇ [1] [9] iti add. -ṛ

8–2 tṛīya... praśthau 21 iti] udāharanam- udāḥ -u -kha ◇ amśā- amśāḥ -ṛ ◇ ākṣara- om. -ṛ ◇ yojanā- yojanāḥ -ṛḥ yojanāt -ṛ ◇ saptatyā- sadā -ṛḥ saptatyā -kha ◇ icchayoh- cedayoh -u -kha ◇ paṇī- paṇa -ka ◇ kṛtyayoh- kṛtyayoh -iḥ kṛtyayo -ū ◇ prāgvat- prāk -ka ◇ labdhe- labdho -i ◇ khāryau- khāryo -iḥ khārye -ṛ ◇ 7- 3 -āl om. -ka ◇ adhakah- ādha -ka ◇ prasthau- prastho -i ◇ iti- om. -u -ṛ -khaḥ trairāśikam add. -ṛ

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| pramāṇecchayoh | pañkṛtayor | nyāsah | 32 | 9 | 70 | |
| | | | 1 | 8 | 1 | |

prāgval labdhe khāryau droṇāḥ 7 āḍhakāḥ 1 praṣṭhau 21 iti
vyastatrairāśikasyāvasaram āha—

icchāvṛddhau phale hrāso
5 **hrāse vṛddhiś ca jāyate**
vyastam̄ traīrāśikam̄ tatra
jñeyam̄ gaṇitakovidaiḥ|| 77 ||

yatra traiśika icchāvṛddhau phalahrāsaḥ saṁbhavatīcchāhrāse phala-
vṛddhiḥ saṁbhavati loke tatra gaṇitakuśalair vyastam̄ traīrāśikam̄ jñey-
10 am̄ |
tam evāvasaram svayaṁ saṁkṣepataḥ pradarśayati—

jīvānām̄ vayaso mūlye
taulye varṇasya haimane
bhāgahāre ca rāśinām̄
15 **vyastam̄ traīrāśikam̄ bhavet|| 78 ||**

jīvānām̄ mūlyam vayo'dhikānām̄ hīnam̄ vayo'lpānām adhikam | evam̄
haimane hemnah̄ śodhane taulyaksaye varṇavṛddhiḥ taulyavṛddhau va-
rṇakṣaya iti | dhanyarāśinām̄ alpamānamitānām analpamānamitau sam-

3–10 vyasta... jñeyam] atha vyastam̄ traīrāśikam̄ tatra jñeyam̄ gaṇitakovidair ityādi
add. -ṛḥ atha add. -ṛ -ka ◇ vyasta- om. -ṛ ◇ rāśikasya- rāśika -i -ū -ṛ ◇ vṛddhau(1)-
labdhau -ka ◇ hrāsaḥ(1)- hrāse -ā ◇ vyastam(1)- vyasta -ā -i -ū ◇ phala(1)- phale -i -u -ū
◇ hrāsaḥ(2)- hrāsa -i | hrāsam -ṛ ◇ saṁbhavati(1) bhavamti -i | bhavati -ū ◇ hrāse(2)- rāse
-i ◇ saṁbhavati(2)- saṁbhavamti -i ◇ loke- joke -u ◇ kuśalaiḥ- 2 add. -ū ◇ vyastam(2)-
vyasta -ṛ ◇ jñeyam(2)- bhavati -u | bhavet -ṛ -ka

11–15 tam... bhavet] tameva...pradarśayati- om. -ṛ ◇ eva- agata add. -ū ◇ svayam-
jñeyam -ṛ ◇ saṁkṣepataḥ- purvam add. -u | purva add. -kha ◇ pradarśayati- kathayati
-ā ◇ vayasah- vayasā -ā | vasām -ka ◇ mūlye- maulye -ā -ū -ka ◇ varṇasya- varṇaśca -ū
◇ haimane- hemani -ā -ṛḥ haimani -ka ◇ vyastam- vyasta -i

5.16–6.2 jīvānām... bhavati] mūlyam- maulyam -ā ◇ adhikānām- mūlyam add. -ā ◇
hīnam- om. -ā | hīna -i | hīnā -ū ◇ alpānām- alpanām -ū ◇ adhikam- adhike -i ◇ evam-
sa add. -ā ◇ haimane- hemani -ā -ṛḥ haimam -u ◇ taulya(1)- tolya -i ◇ taulya(2)- taulye
-i ◇ kṣayah(1)- kṣayā -i ◇ ks'ya iti- kṣayati -ū ◇ alpa(1)- om. -ṛ ◇ māna(1)- na -ā | om.
-ṛ ◇ mitānām(1)- mitālām -ā | om. -ṛ ◇ analpa- ālpa -ā | alpa -ṛ ◇ māna(2)- om. -i ◇
mitau(1)- mito -i ◇ vṛhan- vṛddha -ka ◇ māna(3)- mā -i | sa -ū ◇ laghu- la -u | latva -ṛḥ
laka -ka ◇ mitau(2)- mito -i

khyāksayah bṛhan mānamitānām vā laghumānamitau samkhyāvṛddhir ity
ādiṣu sthāneṣu vyastam̄ trairāśikam̄ bhavati

atrodāharaṇāni | ādau jīvavayomūlyodāharaṇadvayam—

prāpnoti cet ṣoḍaśavatsarā strī

5 **dvātrimśatam̄ vimśativatsarā kim |**

dvidhūrvaho niṣkacatuṣkamukṣā

prāpnoti dhūḥṣaṭkavahas tadā kim || 79 ||

yadi ṣoḍaśavarṣā strī dvātrimśatam̄ niṣkānām labhate tadā vimśati-
vatsarā kim labhata iti | yadi cokṣānaḍvān dvidhūrvaho niṣkacatuṣṭayam

10 prāpnoti tadā dhūḥṣaṭvahāḥ kim prāpnotīti |

prathamodāharaṇe nyāsaḥ 16 | 32 | 20 |

viparītaśādhanena pramāṇena guṇitam̄ madhyam̄ 512 | icchayā bhakte la-
bdhā niṣkāḥ 25 niṣkabhāgāś caturapavartanāt

| | |
|---|--|
| 3 | |
| 5 | |

dvitīyodāharaṇam̄ | nyāsaḥ 2 | 4 | 6 |

15 atrāpi pramāṇaguṇam̄ madhyam̄ 8 | icchayā 6 bhakte labdhā niṣkāḥ 1 a-
rdhāpavartanā niṣkabhāgāḥ

| | |
|---|--|
| 1 | |
| 3 | |

3–7 atra... kim] atrodāharaṇāni- idamuddeśakena -ā ◇ udāharaṇāni- tatra add. -ṛ | a-
tra add. -ka ◇ mūlya- maulya -āl mūlye -ṛ | dvāv add. -ṛ ◇ udāharaṇa- udā° -u -kha|
udāharanau -ṛ | udāharaṇam̄ -ka ◇ dvayam- om. -ṛ ◇ śatam- śatim -ṛ ◇ vatsarā(2)- dhi
add. -i ◇ ukṣā- uktam -ā

8–10 yadi... prāpnotīti] ced add. -ā ◇ varṣā- varṣikī -āl vasā -ū ◇ śatam- śata -ā -ṛ |
śati -ṛ ◇ niṣkānām- niṣkām -āl vā add. -ā ◇ labhate(1)- labhamte -āl labhyate -i -ū -ṛ ◇
vatsarā- vatsarai -i ◇ labhate(2)- labhamte -āl labhyate -i -ū -ṛ | tyadi add. -ū ◇ iti(1)- om.
-ā ◇ ca om. -ā -ka ◇ ukṣānaḍvān- om. -ā ◇ dvi- vi -ka ◇ ṣaṭ- ṣaṭka -ū -ṛ -ṛ ◇ vahāḥ(2)-
kavam ◇ iti(2)- om. -i -u -ū

11–13 prathama... apavartanāt [3|5] udāharaṇe- udāharaṇam̄ -ā -ka| udāharaṇa -i -ṛ |
udā° -u -kha ◇ sādhanena- sādhane -ā -ṛ ◇ 512- 552 -ka ◇ bhakte- bhaktēna -i ◇
labdhāḥ- labdha -ṛ ◇ bhāgāḥ- bhāgāt -ā ◇ apavartanāt- apavartanā -ā ◇ [3|5] [5|3] -ka

14–2 dvitīya... vyastavidhānam] udāharaṇam- udā° -u -kha| udāharaṇa -ū| udāhara-
ṇena -ka ◇ pramāṇa- pramāṇam -ṛ | pramāṇena -ka ◇ guṇam- guna -āl om. -ṛ | guṇitam̄
-ka ◇ madhyam- om. -ṛ ◇ bhakte- bhaktam -ā ◇ apavartanāt- apavartanā -āl apavartāḥ
-i -ū| apavartane -ṛ | apavartā -ka ◇ niṣka- ṣka -ṛ ◇ [1|3] [4|3] ◇ aṭītā- adhikā -ṛ ◇ strī-
vayo'dhika add. -ā ◇ ukṣā- ukṣāḥ -ā ◇ vā- om. -āl ca -ṛ | va -ka ◇ hīna- hinaiḥ -āl hana
-ka ◇ mūlyāḥ- alpā -āl mūlyam -u -ṛ ◇ vayaḥ(2)- vayasā -ā -ū -ṛ | vaya -ka ◇ ūnau-
guṇāu -āl ūno -i -ṛ | hinau -ṛ -ka ◇ mūlyau- maulyau -āl mūlyāḥ -ṛ ◇ vyasta- vyastam -ṛ
-ka -kha

atra vayo'tītā stry ūkṣā vā hīnamūlyah vayaūnāv adhikamūlyauḥ atah
vyastavidhānam।

haimana udāharanam—

daśavarṇam suvarṇam ced
5 **gadyāṇakam avāpyate।**
niṣkeṇa tithivarṇam tu
tadā vada kiyā mitam॥ 80 ॥

niṣkeṇaikena daśavarṇam hemagadyāṇakah prāpyate tatra tithiva-
rṇam kiyad iti।

10 nyāsaḥ 10। 1। 15।

labdhām prāgvatsādhanena gadyāṇakabhāgah [2] |
[3]

atrāpīcchayā varṇavṛddhau hemnastaulyahrāsa icchāvarṇakakṣaye
madhyasya tauļasya vṛddhir iti vyastavidhānam।

rāśibhāgahāre udāharanam—

15 **saptāḍhakena mānena**
rāśau sasyasya māpīte।
yadi mānaśataṁ jātam
tadā pañcāḍhakena kim॥ 81 ॥

yo dhanyarāśih saptadroṇapramāṇāḍhakamānena mitaḥ mānaśataṁ

3–9 haimana... kiyad iti] hai mane- hemani -ā -ṛḥ hai mena -iḥ hai man -ūḥ hemane -
ī ◇ udāharanam- udā° -u ◇ varṇam(1)- varṇā -āl varṇa -ka ◇ niṣkeṇa(1)- om. -i ◇
ca...mitam- kiyat vidvanyadi cetsinigadyatām -i ◇ ca- tu -ā -ka ◇ vada- varṇa -ka ◇
ekena- om. -ṛ ◇ varṇam(4)- varṇa -ka ◇ hema- suvarṇam -āl om. -ṛḥ hemah -ī ◇ gadyāṇa-
kah- gadyāṇakam -ṛ ◇ varṇam(5)- varṇom -ā ◇ kiyaditi- keyathitam -āl kiyati -ṛ

10–13 nyāsaḥ... vyastavidhānam] labdhām- labdhāḥ -ā ◇ [2] - [1] ◇ atra- om. -ka ◇
icchayā- icchāyā -ā -i -ṛ -ṛḥ ibayā -ka ◇ varṇaka- varṇakau -iḥ varṇa -ṛ ◇ vṛddhau- ddhau
-i ◇ tauļa- tauļah -ṛ ◇ icchā- vā add. -ṛ ◇ kakṣaye- viṣaye -u ◇ tauļasya- tauļya -i -ū
◇ vyasta- vyastaḥ -ṛ ◇ vidhānam- dhānya -ṛḥ vidhānām -kal vidhāna -khal aśca add. -ka
14–5 rāśi... mānāni 140] bhāga- bhāge -i ◇ udāharanam- u° -u -kha ◇ rāśau- rāśo -i
◇ sasyasya- vānyasya -iḥ sasya -ka ◇ māpīte- māpyate -ka ◇ yaḥ- om. -ṛ ◇ mānena(2)-
māna -ā ◇ māna(2)- mana -iḥ san -ū ◇ jātam(2)- om. -ṛ ◇ yadi(2)- tadā add. -ṛ ◇
mānena(3)- mānona -āl mānene -ū ◇ ihāpīcchayā- hīyocchāyā -ā ◇ icchayā- icchāyā
-ṛḥ ibayā -ka ◇ māna(3)- mānam -ā -u -ṛ -ka -kha ◇ hrāsaḥ- hrāsaiḥ -iḥ hrāsa -kha ◇
lāghave- samlāghave -ṛ ◇ atah- iti -ṛ

jātam sa eva yadi pañcadronapramāṇāḍhakamānena mīyate tadā kati mā-nāni syur iti |

ihāpīcchayā mānavṛddhau samkhyāhrāsaḥ mānalāghave samkhyā-vṛddhir ato vyastavidhinā sādhanam |

5 nyāsaḥ 7 | 100 | 5 | labdhāni mānāni 140 |

[Pañcasaptanavarāśikādi]

pañcarāśikādau karaṇasūtram vṛttam—

pañcasaptanavarāśikādike
 'nyonyapakṣanayanam phalacchidām |
 samvidhāya bahurāśije vadhe
 10 svalparāśivadhabhājite phalam || 82 ||

pañcarāśikasaptarāśikanavarāśikaikādaśarāśikeṣu nyasteṣu phalasyā-nyapakṣanayanam kāryam tathā cchedānām sambhavānām anyapakṣana-yanam kāryam tato bahurāśivadha alparāśivadhena bhājite phalam bha-vati |

15 yatrālpapakṣe phalam nītam sa bahurāśir iti |

[Pañcarāśikam]

pañcarāśika udāharanam—

māse śatasya yadi pañcakalāntaram syād
 varṣe gate bhavati kiṁ vada ṣoḍāśānām |
 kālam tathā kathaya mūlakalāntarābhyaṁ
 20 mūlam dhanam gaṇaka kālapahale viditvā || 83 ||

6–10 pañca... phalam] atha add. -ā -ṛl evam add. -ṭ -ka ◇ sūtram- sūtra -kha ◇ anyo-nya- dhanya -i ◇ bhājite- bhajitam -ka

11–15 pañca... bahurāśir iti] pañcarāśika- om. -āl pañcarāśi -ṛ ◇ saptarāśika- om. -āl saptarāśi -ṛ ◇ navarāśika- om. -ā ◇ ekādaśa- om. -āl kādaśa -ka ◇ rāśikeṣu- rāśikādikeṣu -āl rāśiṣu -u -kha ◇ phalasya- kalpasya -i anya(1)- nya -kha ◇ tathā- tamta -il om. -ū ◇ chedānām- om. -i -ūl ca add. -ṛ -ṭ -ka ◇ sambhavānām...kāryam(2)- om. -i -ū ◇ sambhavānām- sambhāvanām -ṛ ◇ tatah- om. -i ◇ bahu(1)...sa- om. -ṛ ◇ rāśi(5)- rāśī -ū ◇ vadhera- vadha -ā ◇ alpa(2)- aya -ū ◇ phalam(2)- phalam -u ◇ bahu- va -ā

16–20 pañca... viditvā] pañca...udāharanam- idam uddeśakena pañcarāśikam praka-tayati -ā ◇ rāśike- rāśi -u ◇ udāharanam- u° -u -kha ◇ yadi- kila -ka ◇ syāt- tad -il yat -ka

rūpaśatasya vṛddhyā dattasya māse gate yadi pañcarūpāṇi kalāntara-samjñāni bhavantīti pramāṇavṛttam āśritya vṛddhyā dattānām śoḍāśānām rūpaṇām varṣe gate kiṁ kalāntaram bhavatīti vada l tathaivam jñātaphalam mūladhanābhyaṁ kālam kathaya l tathā he gaṇaka gatakālam kalāntaram phalam ca jñātvā mūlam dhanām kathaya l

evam parasparam pañcabhiḥ koṣṭhaiḥ ṣaṭhasyājñātasya sādhanām jñātavyam l

| | | | |
|--------|-----|----|---|
| nyāsaḥ | 1 | 12 | l |
| | 100 | 16 | |
| | 5 | | |

| | | | |
|--------------------------|-----|----|--------------------------------|
| phalam 5 anyapakṣe nitvā | 1 | 12 | rāśisvapakṣavadhaḥ 100 l 960 l |
| | 100 | 16 | |
| | 5 | | |

10 bahurāśije vadhe phalasamyogāt 960 alparāśivadhena 100 bhakte labdhām kalāntaram rūpāṇi 9 śeṣasya 60 vimśatyāpavartanād rūpabhāgāḥ $\begin{array}{|c|} \hline 3 \\ \hline 5 \\ \hline \end{array}$ l

1–5 rūpa... kathaya] vṛddhyā(1)- om. -ū ◇ dattasya- datta -u -khal sya -ū ◇ māse-māne -ā ◇ gate(1)- om. -i l gata -ū l sati add. -ā -i -u ◇ rūpāṇi- varṣāni -ī ◇ antara-antaram -ū ◇ samjñāni- samjñā -ū -ī l samjñāni -ka ◇ bhavanti- bhavati -ī ◇ pramāṇa-prathamā -ā ◇ vṛttam- vṛtyam -ī l vṛttim -ka ◇ dattānām- hatvānām -u l hetvānām -ī ◇ śoḍāśānām- śoḍāśānām -u -kha ◇ varṣe- varṣā -ā ◇ ki- vi -u l ki -kha ◇ kala(2)-phala -ā ◇ vada- cet -ī ◇ evam- eva -ī -ka ◇ phala- phale -ā ◇ dhanābhyaṁ- dhanānām -r ◇ kālam(1) kathaya(1)- kathaya kālam -r ◇ tathā(2)...kathaya(2)- om. -i -ū ◇ gata-śata -r ◇ kālam(2)- om. -ā l kāla -r -ī ◇ ca- om. -ā -r ◇ mūlam- mūla -r

6–9 evam... vadhaḥ 100 l 960] koṣṭhaiḥ- koṣṭhaiḥ- ka ◇ ṣaṭhasya- ṣta-ī ◇ 1/12//100/16//5/ // - 1/12//100/16//5/0// -u -ī -ka -kha ◇ 5- om. -ī -ī ◇ 1/12//100/16//5// - 1/12//100/16//0/5/ -u -ī -ka -kha l om. -ī ◇ rāśi- om. -ā l rāśih -u ◇ svapakṣa- svalparāśi -ā l pakṣa -ī ◇ 100(3)- bahurāśivadha add. -ā ◇ 960(1)- punaḥ nyasa add. -ī

10–12 bahu... bhagā $\begin{array}{|c|} \hline 3 \\ \hline 5 \\ \hline \end{array}$ l bahu...960(2)- om. -ā ◇ rāśi(1)- nyasi -ī ◇ vadhe- om. -ī l vadhaḥ -kha l labdhām add. -ī ◇ phala- phalam -ī l om. -ka ◇ samyogāt- samgāt -ū l samyogyam -ī l samyoga -ī l om. -kal ca add. -ī ◇ alpa- asya -ū ◇ 100(4)- om. -ī -ī ◇ bhakte- bhaktena -ā ◇ labdhām- om. -ī ◇ kalā- ka -ū ◇ antaram- taram -ū l antara -ī -ī ◇ 60- om. -ā -i -ū -ī -ī -kha l $\begin{array}{|c|} \hline 60 \\ \hline 100 \\ \hline \end{array}$ -ka ◇ apavartanāt- apavartana -ā ◇ bhāgah- vibhāgah -ū ◇ 6 -ā l bhāgānubandhe jātam $\begin{array}{|c|} \hline 48 \\ \hline 5 \\ \hline \end{array}$ add. -u -kha

| | | | | | | | | | | | | | | |
|---------------------|--------|---|---|---|--|-----|----|--|---|----|--|--|---|--|
| icchākālajñānārtham | nyāsaḥ | <table border="1"> <tr> <td>1</td><td>◦</td><td> </td></tr> <tr> <td>100</td><td>16</td><td></td></tr> <tr> <td>5</td><td>48</td><td></td></tr> <tr> <td></td><td>5</td><td></td></tr> </table> | 1 | ◦ | | 100 | 16 | | 5 | 48 | | | 5 | |
| 1 | ◦ | | | | | | | | | | | | | |
| 100 | 16 | | | | | | | | | | | | | |
| 5 | 48 | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------------------------|--------|---|---|---|--|-----|----|--|----|---|--|--|---|--|-----------------------|
| phalayor anyapakṣanayane | nyāsaḥ | <table border="1"> <tr> <td>1</td><td>◦</td><td> </td></tr> <tr> <td>100</td><td>16</td><td></td></tr> <tr> <td>48</td><td>5</td><td></td></tr> <tr> <td></td><td>5</td><td></td></tr> </table> | 1 | ◦ | | 100 | 16 | | 48 | 5 | | | 5 | | chedasyānyapakṣanaya- |
| 1 | ◦ | | | | | | | | | | | | | | |
| 100 | 16 | | | | | | | | | | | | | | |
| 48 | 5 | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|-----|---|---|---|--|-----|----|--|----|---|--|--|---|--|----------------------------|
| nam | <table border="1"> <tr> <td>1</td><td>◦</td><td> </td></tr> <tr> <td>100</td><td>16</td><td></td></tr> <tr> <td>48</td><td>5</td><td></td></tr> <tr> <td></td><td>5</td><td></td></tr> </table> | 1 | ◦ | | 100 | 16 | | 48 | 5 | | | 5 | | ubhau vadharāśī 4 800 400 |
| 1 | ◦ | | | | | | | | | | | | | |
| 100 | 16 | | | | | | | | | | | | | |
| 48 | 5 | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | |

phalabahulo bahurāśivadho 'lparāśinā bhakto labdham icchākālah mā-
5 sāḥ 12।

| | | | | | | | | | | | | | | |
|------------------|--------|---|---|----|--|-----|---|--|---|----|--|--|---|--|
| mūladhanajñānāya | nyāsaḥ | <table border="1"> <tr> <td>1</td><td>12</td><td> </td></tr> <tr> <td>100</td><td>◦</td><td></td></tr> <tr> <td>5</td><td>48</td><td></td></tr> <tr> <td></td><td>5</td><td></td></tr> </table> | 1 | 12 | | 100 | ◦ | | 5 | 48 | | | 5 | |
| 1 | 12 | | | | | | | | | | | | | |
| 100 | ◦ | | | | | | | | | | | | | |
| 5 | 48 | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|--------------------|-------------------------|-------|---|---|----|--|-----|---|--|----|---|--|--|---|--|-------|
| phalayor vinimayah | chedasyānyapakṣanayanam | yathā | <table border="1"> <tr> <td>1</td><td>12</td><td> </td></tr> <tr> <td>100</td><td>◦</td><td></td></tr> <tr> <td>48</td><td>5</td><td></td></tr> <tr> <td></td><td>5</td><td></td></tr> </table> | 1 | 12 | | 100 | ◦ | | 48 | 5 | | | 5 | | guṇi- |
| 1 | 12 | | | | | | | | | | | | | | | |
| 100 | ◦ | | | | | | | | | | | | | | | |
| 48 | 5 | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | |

tau rāśī 4 800| 300| alpena hṛte labdham mūladhanam rūpāṇi 16।

1–5 icchā... māsāḥ 12] atha add. -ka ◇ icchākālajñā- jñyāphala -ā ◇ artham- puna-
rnyāsa add. -i -ūl nyāsa add. -r ◇ 1/0//100/16//5/48// 15// -om. -ā -ka ◇ phalayoh- om. -i
-ūl kālayoh- -ka ◇ anya(1)- anyonyā -āl anyonya -r ◇ pakṣa(1)- om. -ā ◇ nayane- naya-
nena -r -r ◇ 1/0//100/16//48/5// -1/0//100/16//48/5// -āl om. -ka ◇ chedasya- chedā-
nām -ā -r -kal cheda -r l api add. -r -ka ◇ anya(2)- anyonya -ā ◇ pakṣa(2)- pakṣe -i -ū -r
-ka -kha ◇ nayanam- nayanāt -āl nayana -r l nyāsa add. -ka ◇ 1/0//100/16//48/5// 15//
-1/0//100/16//48/5// -ūl om. -r l 1/0//100/16//48/5//0/5// -ka ◇ ubhau- ubha -ka ◇ rāśī- rāśī
-ū ◇ phala- om. -ā -u l phalam -r -kal phalaḥ -kha ◇ bahulaḥ- bahunā -āl bahu -u l om.
-r l bahule -kha l phalesu -u ◇ rāśī- rāśī -i ◇ rāśinā- rāśī -āl rāśina -i l rāśinā -ūl rāśino
-r l vadhenā -ā ◇ bhaktaḥ- bhakte -r l kto -r l labdham- labdhaḥ -ā -r l labdha -i -ū -ka
-kha ◇ icchā(2)- om. -ā ◇ kālah- kāla -i -ū -r ◇ māsāḥ- om. -ā -u l māsa -r

6 mūla... // 15//] dhana- om. -u ◇ jñānāya- artham -āl jñātāvya -i l sādhanāya -u ◇
1/12//100/0//48/5// 15// -1/12//100/0//5/48// -i l 1/12//100/0//5/48//0/5// -ka

7–8 phalayoh... rūpāṇi 16] vinimayah- vinimayah -i l viniyama -r ◇ anya- om. -ā
◇ pakṣa- pakṣe -i -ū -r -r -ka -kha ◇ nayanam- nayana -r ◇ yathā- om. -ā -i -ū -r ◇
1/12//100/0//5/48// 15// -om. -ā -r -r -ka -kha l 1/12//100/0//48/5//0/5// -i l 1/12//100/0//

bhinne dvitīyodāharanam—

satryamśamāsenā śatasya cet syāt
kalāntaram pañca sapañcamāmśāḥ |
māsaīs tribhiḥ pañcalavādhikais tat
5 sārdhadviṣṭheḥ sphuṭam ucyatām kim || 84 ||

yadi satryamśamāsenā śatasya dattasya pañca niśkāḥ sapañcamāmśā
vṛddhirūpāḥ syuḥ tad evam sapañcamāmśais tribhir māsaīḥ sārdhadviṣṭheḥ kim syād iti sphuṭam yathocyatām |

| | | | |
|---------------------------------|-----|-----|--|
| bhāgānubandhasavarṇitair nyāsaḥ | 4 | 16 | |
| | 3 | 5 | |
| | 100 | 125 | |
| | 26 | 2 | |
| | 5 | | |

| | | | |
|---|-----|-----|--|
| 10 phalasya cchedānām cānyapakṣanayane nyāsaḥ | 4 | 16 | |
| | 5 | 3 | |
| | 100 | 125 | |
| | 2 | 26 | |
| | 5 | | |

guṇitau rāśī 20 000 | 156 000 |

48/5// -ū ◇ guṇitau- gunito -ū ◇ rāśī- rāśī -ū ◇ 300- anena add. -ā ◇ alpena- analpa add.
-i -ṛ -ka -kha ◇ hṛte- hate -ā ◇ labdhā- om. -āl labdha -ṛ ◇ dhanam- dhana -ṛ ◇ rūpāṇi-
om. -ā

1–5 bhinne... ucyatām kim] udāharaṇam- udā° -ul udāhara -ka ◇ ṣaṭeḥ- ṣaṭyā -ka
◇ sphuṭam- phalam -ā

6–8 yadi... yathocyatām] tryamśa- trimśa -u ◇ śatasya- satasya -kha ◇ pañca... am-
śaiḥ- pañcamāmśādikapañcarūpāni kalāntaram syāt tarhi pañcamāmśādhikaiḥ -ṛ ◇ am-
śāḥ- asa -āl asā -il amśah -ul amśa -ṛ -ka -kha ◇ rūpāḥ- rūpāḥ -u ◇ tad evam- tarhi -ā
◇ sa(3)- om. -i -u ◇ pañcama(2)- pañca -i -ū ◇ amśaiḥ- aśaiḥ -ka ◇ sārdha- sardha -ū ◇
ṣaṭeḥ- phalam add. -āl 62 | 1 | 2 add. -ṛ ◇ kim... yathā- om. -ā

9–10 bhāga... //5/ //] varṇitaiḥ- varṇite -āl varṇito -il varṇitai -ūl varṇita -ṛ | varṇete
-ka ◇ 4/16//5/3//100/125//2/26//5/ // 4/16//3/125//100/2// -āl 4/16//3/5//26/125//5/2//
-i -ūl tad yathā add. -ṛ -ṛ | om. -ṛ | 4/16//3/5//100/125//26/2//5/0// -kal 4/16//3/5// -kha
◇ phalasya- phala -ā -ṛ -ka ◇ ca- om. -ā ◇ anya- anyonya -ā ◇ pakṣa- pakṣe -i ◇
nayane- nayana -āl nayanam -il nayanena -ū -ṛ -ṛ ◇ 4/16//5/3//100/125//2/26//5/ //
4/16//5/6//100/125//2/28//5/ // -āl 4/16//5/6//100/125//2/1/5/26// -ū -ṛ | 4/16//5/6//100/-
125//2/26//5/0// -kal 4/16//5/6//100/125//2/ //5/26// -kha

11–3 guṇitau... jñātavyam iti] guṇitau- gunito -ū ◇ rāśī- rāśī -ū ◇ 20 000 | 156 000-

| | | | | |
|---|--|---------|--------|------------------|
| saphale bahuraśau viphalenālpena bhakte | <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>156 000</td></tr><tr><td>20 000</td></tr></table> | 156 000 | 20 000 | labdham rūpāṇi 7 |
| 156 000 | | | | |
| 20 000 | | | | |
| śeṣam catuḥsahasrāpavartam rūpabhāgāḥ | <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>4</td></tr><tr><td>5</td></tr></table> | 4 | 5 | । |
| 4 | | | | |
| 5 | | | | |

atrāpi prāg vadajñātānām kāladhanādīnām sādhanām jñātavyam iti ।

[Saptarāśikam]

saptarāśika udāharaṇam—

5 **vistāre trikarāḥ karāṣṭakamitā dairghye vicitrāś ca cet
rūpair utkaṭapāṭasūtrapāṭikā aṣṭau labhante śatam ।
dairghye sārdhakaratrayāparapaṭi hastārdhavistāriṇī
tāḍrk kiṁ labhate drutam vada vanīg vāṇijyakam
[vetsi cet॥ 85 ॥]**

10 aṣṭau paṭṭasūtrapāṭikāḥ trikaravistārā aṣṭahastadīrgāḥ suracitai rū-
pair utkaṭāḥ samānaguṇās taulye citreḥ cet tā aṣṭau niṣkaśatena labhya-
nte tarhy ekā paṭṭasūtrapāṭī pūrvoktadairghyacitropetā sārdhahastatraya-
dīrgāḥ hastārdhavistārā kiṁ labhate kiyatā prāpyata ity arthaḥ । ced dhe
vanīgvāṇijyam vetsi tat śīghram vadeti ।

| |
|---------|
| 156 000 |
| 20 000 |

-ā ◇ bhakte- bhakto -kha ◇

| |
|---------|
| 156 000 |
| 20 000 |

- om. -ā -ṛ -ka ◇ labdham- labdha -ūḥ phalam
add. -ṛ ◇ 7- om. -ā -ū ◇ śeṣam-

| |
|--------|
| 16 000 |
| 20 000 |

 add. -ā -ka ◇ sahasrā- 4 000 add. -ā ◇ apavartam-
apavartita -āḥ apavarta -ṛ -ka ◇

| | |
|---|---|
| 4 | 5 |
| 5 | 4 |

-i ◇ ajñātānām- jñātānām -ā -u -khaḥ ajñātānā -ka
◇ kāla- kā -ka ◇ dhanādīnām- jñānādi -āḥ dhanādeḥ -ṛ ◇ iti- om. -ā
4-9 sapta... vetsi cet] atha add. -ā ◇ rāśike- rāśikam -ka ◇ udāharaṇam- u° -u -khaḥ
udāha° -ṛ ◇ karāḥ- karā -ṛḥ om. -ka ◇ aṣṭaka- aṣṭa -ka
10-14 aṣṭau... vadeti] sūtra(1)- sūtram -i ◇ paṭikāḥ- paṭikā -ṛ -kaḥ pavikāḥ -kha ◇
aṣṭa- aṣṭau -ka ◇ hasta(1)- kara -i -ū ◇ dīrgāḥ(1)- dīrgyāḥ -ūḥ yadi śatam add. -ā ◇
suracitaiḥ... śatena- om. -ā ◇ suracitaiḥ... upetā- yadi śatam labhate tarhi dairghya -ṛ ◇
suracitaiḥ- suracita -u -khaḥ syuriti -ṛ ◇ samāna- samānah -ṛḥ samānam -kha ◇ gunāḥ-
om. -u ◇ taulye- taulye -ūḥ maulye ca add. -ṛ ◇ citre- citra -i -ūḥ om. -ṛḥ citrai -kha ◇
cettā- citrā -iḥ vicitra -u -ka -khaḥ om. -ṛ ◇ aṣṭau(2)- aṣṭo -kaḥ yadi add. -ka ◇ śatena-
śatam -ka ◇ labhyante- labhyate -ūḥ labhante -ka ◇ ekā...ukta- om. -ā ◇ ukta- u -ṛḥ uktā
-kha ◇ dairghya- dīrga -i -kaḥ dārga -ū -kha ◇ citra- om. -āḥ vicitra -ṛḥ vistṛṭā -ka ◇
upetā- om. -āḥ apyetā -ṛ -kaḥ dairghya add. -ka ◇ hasta(2)- kara -ka ◇ trayā- trayā -āḥ
yadi add. -i ◇ dīrgāḥ- om. -āḥ dīrgāḥ -ūḥ aparā -ṛ -ka ◇ vistṛṭāḥ -u ◇ labhate-
labhyata -ā -i -ūḥ labhante -u ◇ he- om. -ṛ ◇ vāṇijyam- vāṇijyakam -āḥ varavāṇijyam
-ka ◇ vetsi- veśi -u ◇ tat- tarhi -āḥ ta -u

| | | | |
|--------|-----|---|--|
| nyāsaḥ | 3 | 1 | |
| | 1 | 2 | |
| | 8 | 7 | |
| | 1 | 2 | |
| | 8 | 1 | |
| | 1 | 1 | |
| | 100 | | |
| | 1 | | |

| | | | |
|---|---|-----|--|
| anyapakṣaprāpīteṣu phalacchedeṣu nyāsaḥ | 3 | 1 | |
| | 2 | 1 | |
| | 8 | 7 | |
| | 2 | 1 | |
| | 8 | 1 | |
| | 1 | 1 | |
| | • | 100 | |
| | 1 | • | |

pūrvavat guṇitau rāśī 768। 700।

5 phalāptirāśir ghanah̄l tasminn alpena phalatyaktena bhakte labdhām [ni-
şkah̄] 0।

nişke şoḍāśadrammāḥ syur iti şoḍāśabhir vinighnya prāgbhājakena bha-
kte labdhā drammāḥ 14 pañāḥ 9 kākiṇī 1 varāṭakāḥ 6 yathāsam̄bhavāpa-
vartanena varāṭakabhāgāś ca

| | |
|---|--|
| 2 | |
| 3 | |

2–5 anyapakṣa... [nişka] 0] pakṣa- nayana add. -ṝl nayane add. -ka ◇ prāpīteṣu- prā-
pteṣu -i -ūl prāpyam̄teṣu -l om. -ka l phaleṣv add. -āl nyāsaḥ 3/1//2/1//8/7//2/1//8/1//1/1//
•/100//1/o// - om. -ā -i -ū -ṛ -ṝ -kha ◇ pūrvavat- pūrva -ṝl phalacchidāṁ anyonyapakṣa-
nayana nyāsaḥ vadhenā 768 bhaktam add. -ṝ ◇ guṇitau... bhakte(1)- om. -ṝ ◇ phala(1)-
mūla -u -kha l om. -ka ◇ āpti- prāpti -i -ūl āpta -u -kha l ni -ṝ ◇ rāsiḥ- rāšeḥ -ā ◇ ghanah-
dhanam -ā -ūl ghanā -i l dhana -ṛ -ka ◇ alpena- alpe -i l anulona -ṛ ◇ phala(3)- - -i ◇
tyaktena- -ktena -i l tyakte -u ◇ bhakte(1)- om. -ā -ūl bhaktena -i -kal atra bahurāśivadho
700 svalparāśivadhenā 768 bhaktam add. -ka ◇ labdhām... drammāḥ 14- atra vadraśi-
vadhaḥ 700 svalparāśivadha 768 bhaktalabdhanīṣkaṁ nişkašeşaşodaśaguṇa 11 200 anena
768 labdhā drahma 14 -ā ◇ nişkah̄- nişkaṁ -i -ūl nişka -u -kha l nişkah̄ -ṝ ◇ 0- 7 -i l om. -ṝ
6–8 nişke... bhāgāś ca [2] nişke- nişka -ka ◇ syur iti... drammāḥ(2)- om. -i -ū ◇ vini-
ghnya- vibhajya -ṛ -ka -kha l guṇayitvā -ṝ ◇ bhājakena- bhājanena -ṝ ◇ labdhāḥ- labdhāni
-ṝl labdha -ṝ -ka ◇ pañāḥ- pañā -ū ◇ kākiṇī- kākiṇī -ū ◇ apavartanena- apavartitena -āl
apavartena -ṝ -kha l ca add. -ā ◇ varāṭaka- āḍhaka -āl varāṭakā -ū ◇ bhāgāḥ- bhāgāḥ -ā
-ṝ ◇ ca- om. -ṝ -ṝ -ka ◇ karan23- iti saptarāśikam add. -ā

[Navarāśikam]

navarāśika udāharanam—

**piṇḍe ye 'rkamitāṅgulāḥ kila caturvargāṅgulā vistr̄tau
paṭṭadīrghatayā caturdaśakarāstriṁśallabhante**

[śatam]

5 **etā vistr̄tipiṇḍadairghyamitayo yeṣāṁ caturvarjitāḥ
paṭṭāste vada me caturdaśa sakhe mūlyam labhante**
[kiyat|| 86 ||]

ye kāṣṭhapaṭṭāḥ piṇḍe dvādaśāṅgulās tathā vistāre caturvargāṅgulāḥ
10 śoḍāśāṅgulās tathā dīrghatayā caturdaśahastātmakā evam svarūpā ṣjavo
granthisūrādidoṣarahitāḥ trimśad ekamūlyena vikraye śatam rūpāṇām
labhante niṣkaśatena labhyanta ity arthaḥ |

atha yeṣāṁ punar anyeṣāṁ paṭṭānām pūrvavad uktānām vistārapiṇḍa-
dīrghatveṣ etāḥ pūrvoktā eva mitayo mānāni caturūnāni tad yathā pi-
ṇḍe 'ṣṭāṅgulāḥ vistāre dvādaśāṅgulāḥ dairghye daśahastā evam rūpāś ca-
15 turdaśa kiyan mūlyam labhante sakhe tan mama vadeti | praśnadvāreṇā-
vatārayati spaṭīkaraṇārtham |

1–7 navarāśika... kiyat] atha add. -ā ◇ rāśike- rāśikam -āl rāśikeṣu -ū ◇ udāharanam-
om. -āl u° -u -kha l udā° -ṛ -ka ◇ vistr̄tau- vistr̄tā -āl vistr̄to -i ◇ dīrgha- dairghya -ṛ ◇
karāḥ- karā -ṛ ◇ labhante(1)- labhate -āl labhetam -i ◇ vistr̄ti- vistr̄ta -ṛ ◇ piṇḍadairghya-
dairghyapiṇḍa -ā ◇ dairghya- piṇḍa add. -ka ◇ mitayah- mitayoh -ā -ṛ -ka ◇ yeṣām-
mānaḥ -ā -ṛ ◇ mūlyam- maulym -ka

8–11 ye... ity arthaḥ] kāṣṭha- om. -āl ṣṭha -ṛ ◇ paṭṭāḥ- paṭṭā -ṛ ◇ piṇḍe- sthūlatva
add. -āl arkāṅgulā add. -ka ◇ aṅgulāḥ(1-2)- aṅgulā -ṛ ◇ tathā(1)- vistr̄tau add. -ṛ ◇
vistāre- vistāro -i ◇ catuh(1)- catu -i ◇ śoḍāśāṅgulāḥ- 16 add. -i -ū ◇ tathā(2)- om. -i ◇
dīrghatayā- dairghye -ṛ l dairghyatayā -ka ◇ rūpāḥ- rūpam -ā ◇ ṣjavaḥ- om. -āl ṣjutaḥ
-kha ◇ granthi- om. -ā ◇ suṣira- om. -āl suṣira -u -ṛ -ka l suṣira -ūl sukhira -ṛ ◇ ādi- om.
-ā ◇ rahitāḥ- om. -āl rahitām -i l rahitā -ū ◇ trimśadeka- trimśasya -ṛ ◇ mūlyena- mūlye
-ū ◇ vikraye- vikrayet -ka ◇ śatam- śata -ka ◇ labhante- labhyante -ā -i l labhate -u -ṛ
-kha ◇ niṣkaśatena- om. -ṛ ◇ labhyante- om. -ṛ

12–16 atha... artham] punah- om. -kha ◇ anyeṣām- om. -kha ◇ uktānām- dṛṣṭānām
-āl usṭānām -i l uddiṣṭānām -ṛ ◇ vistāra- vistara -i -ṛ ◇ vistārapiṇḍa- piṇḍavistāra -ā
◇ dīrgha- dairghya -āl om. -ṛ ◇ dīrghatveṣu- dairghyeshu -ṛ ◇ etāḥ- etām -āl eteṣu -ṛ ◇
uktāḥ- ukto -i ◇ caturūnāni- caturūpāṇi -āl catustyājāni -ka ◇ vistāre- vistāra -i l om. -ṛ ◇
dvādaśāṅgulāḥ- om. -ṛ ◇ caturdaśa- vadguṇītau rāṣī 768 l 700 phalāptirāśir ghana tasminn
alpena phalatyaktenātra vaharāśivadhah 700 svalparāśi add. -ṛ ◇ mūlyam- mūlam -i ◇
labhante- labhyate -ā -i -u l labhyante -ūl labhate -ṛ ◇ tat(2)- om. -ā -ṛ ◇ mama- me -u
-kha

| | | | |
|--------|-----|----|--|
| nyāsaḥ | 12 | 8 | |
| | 16 | 12 | |
| | 14 | 10 | |
| | 30 | 14 | |
| | 100 | 0 | |

atra phalamanyapakṣe prāpya svasvapakṣe guṇayitvā prāgvallabdhau rāśī⁸⁰⁶⁴⁰ 1 344 000 | bhāge hṛte labdhā niṣkāḥ 16 niṣkābhāgāś ca | 2 |
| 3 |

[Ekadaśarāśikam]

ekādaśarāśika udāharanam—

5 **paṭṭā ye prathamoditapramitayo gavyūtimātre sthitāḥ**
teṣām ānayanāya cec chakaṭināṁ drammāṣṭakam
[bhāṭakam]
anye ye tadanantaram nigaditā mānaiś caturvarjitāḥ
teṣām kā bhavatīti bhāṭakamitir gavyūtiṣaṭke

[vada] 87 ||

10

ye pūrvodāharanē pramāṇarūpāḥ paṭṭā uktāḥ | te yadi gavyūtimātre
dūre sthitās teṣām ānayanāya śakaṭikānāṁ bhāṭakārtham drammāṣṭakam

1–3 nyāsaḥ... bhāgāś ca [2] [3]] avatārayati- avatāraghana -iḥ avabhāṣati -ṛ ◇ spaṣṭī- om.
-āl sphuṭi -ṛ -ṭ -ka -kha ◇ karaṇārtham- om. -ā ◇ atra...prāgvat- atra phalam ānayane
'nka svasvapakṣe guṇitāḥ -ā ◇ atra- om. -ṛ ◇ phalam- phala -ṛ ◇ anya- śūnya -u ◇ svasva-
sva -ṛ ◇ labdhau- labdho -i ◇ bhāge- bhāga -i ◇ hṛte- 4 add. -i -ū ◇ labdhāḥ- om. -i -ū ◇
16- 6 -iḥ śeṣam [53760] [80640] śūnyāpavartya nyāśo yathā [5376] [8064] asyānkyasyāṣṭāśityadhikāṣadviṁśa-
tyāpavartane 2688 na labdhā add. -uḥ śeṣa aṅkānāṁ 26 080 ebir aṅkair apavartanāt jātā
add. -ṛ

4–10 ekadaśa... vada] navarāśika add. -ā ◇ atha add. -ka ◇ udāharanam- udā° -u -
ṛ -khal udāha° -ka ◇ udita- uditā -ā ◇ gavyūti(1)- mavyūti -ṛ ◇ sthitāḥ- gataḥ -i ◇
nigaditāḥ- nigatitāḥ -ṛ ◇ varjitāḥ- varjitaḥ -i ◇ teṣām(2)- teṣā -i ◇ iti- iha -ka ◇ mitih-
miti -i

15.11 – 16.3 ye... vadeti] ye...ānayanāya- om. -ā ◇ rūpāḥ- rūpā -ka ◇ paṭṭāḥ- padā -kha
◇ uktāḥ(1)- uktā -ṛ ◇ yadi- om. -ā -u -ṛ -ṭ -kha ◇ dūre- om. -iḥ dare -kha ◇ śakaṭikānām-
śakaṭinām -ā -ṛ | sakāṭinām -ka ◇ bhāṭakārtham- om. -ā ◇ ye(2)- tadanantaram add. -āl
ya icchā°- yoktāḥ -i ◇ rūpenoktāḥ- om. -i ◇ mānebhyaḥ- māne -ā ◇ varjitaḥ- varjita-
-iḥ varjitaḥ -u -ṛ -ṭ ◇ ca- om. -ā ◇ ṣaṭke- ṣke -ṛ ◇ bhāṭakasya- bhāṭasya -kha ◇ mitih-
miti -āl kimiti -u ◇ pramāṇam- mānam -āl kim add. -āl pramāṇam -i ◇ kā- om. -ā
-u ◇ samyag jñātvā- jñātvā -āl samjñātvā -i -u -ṛ -ṭ -khal samjñātvam -ka ◇ vadeti-
praśnāvatāraṇārtham spaṣṭārtham kārayati add. -ā

bhavati tarhy anye ya icchārupenoktāḥ pūrvamānebhyo mānaiś caturvarjitar uktāś ca teṣāṁ gavyūtiṣṭake sthitānāṁ bhāṭakasya mitih pramāṇāṁ kā bhaved iti samyag jñātvā vadeti |

| | | | |
|--------|----|----|--|
| nyāsaḥ | 12 | 8 | |
| | 16 | 12 | |
| | 14 | 10 | |
| | 30 | 14 | |
| | 1 | 6 | |
| | 8 | ◦ | |

- 5 prāgvat phalam anyapakṣe nītvā svasvapaksaguṇanam ca kṛtvā saphalatayā bahuरāśau phalahīnatvenālparāśinā bhakte labdhāḥ bhāṭakadrammāḥ 8।

[Bhāṇḍapratibhaṇḍakam]

atra prasaṅgāt pañcarāśikasajātīyatvād vastuvinimayaganite sūtram
āha—

10 **tathaiva bhāṇḍapratibhāṇḍake 'pi
vidhir viparyasya harāṁś ca mūlye॥ 88 ॥**

bhāṇḍeṣu vartate bhāṇḍam vastuḥ tasya prativastukaraṇe bhāṇḍapratibhāṇḍake vastuvinimaye harāṁś chedān tathā mūlye ubhator mūlye vi-

15 paryasya vinimayam kṛtvā tathaiva pañcarāśikavat phalam anyapakṣe nītvā svasvapaksaguṇanam cādyavidhiḥ kāryah।

4–7 nāsaḥ... drammaḥ 8] pakṣe- pakṣa -i ◇ svasva- sva -ā ◇ pakṣa- pakṣe -ṛḥ nayana add. -ṛḥ pakṣam -kha ◇ saphalatayā- labdhau rāśī 64 5201 80 640 add. -ka ◇ rāśau- rāśī -ā ◇ hīnatvena- hānitvena -āl hīnatvona -i ◇ rāśinā- raśina -ū ◇ labdhāḥ- labdho -i ◇ bhāṭaka- om. -ā ◇ 8- iti add. -ṛ

8–11 atra... mūlye] rāśika- rāśī -ā -ṛ ◇ sajātī- jātī -ṛ ◇ gaṇite- sūtre -ṛḥ sūtra -ka ◇ sūtram- gaṇitam -ṛ -ka ◇ vidhiḥ- om. -āl vidhi -i ◇ viparyasya- viparyayas -āl viparyasya -i l viparyasta -ṛḥ tatra add. -ā ◇ harāṁś ca- harāṁśa -ā -ū -ṛ -ka ◇ mūlye- maulye -ā -ṛḥ mūle -ṛ

12–15 bhāṇḍeṣu... kāryah] bhāṇḍeṣu... karane- om. -ā ◇ bhāṇḍeṣu- bhāṇḍeṣu -i ◇ var- tate- vartita -ṛḥ vartite -ka ◇ bhāṇḍam- bhāṇḍa -i l bhāṇḍe -ṛḥ om. -ṛ -ka ◇ bhāṇḍa- om. -kha ◇ prati(2)- pratim -i l om. -kha ◇ bhāṇḍake- bhāṇḍe -āl bhāṇḍako -i ◇ vinimaye- vinamaye -ṛ ◇ chedān- om. -ū ◇ mūlye(2)- maulye -ā ◇ viparyasya- viparyaya -āl viparyasya -i l om. -u l viparyasva -ṛ ◇ vinimayam- vinimaye -āl vinimiyam -i ◇ rāśikavat- rāśikatvāt -ṛ ◇ pakṣa- om. -ā ◇ cādyā- cedyādi -i -ū -ṛ

udāharaṇam—

**drammeṇa labhyata iḥāmraśatatravayam cet
 trimśatpaṇena vipaṇau varadāḍimāni |
 āmrair vadāśu daśabhiḥ kati dāḍimāni
 5 labhyāni tadvinimayena bhavanti mitra॥ 89 ॥**

iha śrījambūsaranagare vipaṇau vikrayasthāne śakaphalādihaṭte dra-
 mmeṇāmraśatatravayam atirasāḍhyam susvādu ca labhyate cet tathā paṇena
 trimśad varāni puṣtarasaparipakvagunāni dāḍimāni labhyante tad asmā-
 kam phalavikraye doṣaśruter dāḍimaiś ca saprayojanānāṁ daśabhir ā-
 10 mrair vinimayena kati dāḍimāni labhyāni bhavanti | he mitra tad āśu va-
 deti |

| | | | |
|--------|-----|----|--|
| nyāsah | 16 | 1 | |
| | 300 | 30 | |
| | 10 | | |

| | | | |
|---|-----|----|--|
| phalasyānyapakṣe nayanam mūlyayoś ca viparyayah | 1 | 16 | |
| | 300 | 30 | |
| | 10 | | |

1–5 udāharaṇam... mitra] udāharaṇam- udā° -u| udāharaṇena -ṛ| spaṭyati add. -ṛ| ||śrī|| add. -ka ◇vipaṇau- vipaṇe -ā ◇vara- vada -ā ◇āśu- āsu -ka

6–11 iha... vadeti] śrī- om. -ā -ṛ -ṛ -ka ◇ jambūsara- om. -ā -ṛ -ka | jambūsaraḥ -i -ū | jambūsare -ṛ| nama add. -i -ū ◇ nagare- om. -ā -ṛ -ka ◇ śaka- om. -ā -ṛ ◇ phala(1)- om. -ā -ṛ| paṇa -u ◇ ādi- om. -ā -ṛ ◇ haṭṭe- om. -āl drṣṭe -i -ū | ill. -ka ◇ śata- śatam -i ◇ trayam- om. -i| trayā -ṛ -ṛ -kha ◇ ati- mita -i| iti -ū | om. -ṛ -ṛ| prati -kha ◇ rasāḍhyam- om. -ṛ| rasādyam -kha ◇ su- sva- i -ka ◇ svadu- om. -ṛ| svādyam -ka ◇ ca(1)- yuktam -āl om. -ṛ -ka ◇ labhyate- labhante -ṛ -ka ◇ tathā- yathā -ṛ| tadā -ka | vipaṇau add. -ṛ ◇ paṇena- vipaṇau -ā ◇ varāṇi- varani -ā ◇ pakva- ṣa -ṛ ◇ dāḍimāni(1)- daḍimāni -kha ◇ labhyante- labhyate -ā -ṛ ◇ asmākam- asmātkim -ṛ| asya -ka ◇ vikraye- vikrayaiḥ -āl vikraya -ū ◇ doṣaḥ- doṣa -ā -ka -khal om. -i -ūl doṣā -ṛ| doṣe -ṛ ◇ śruteḥ- śrutah -u| śrute -ṛ -kha ◇ dāḍimaiḥ- dāḍimeḥ -i ◇ sa- om. -ā -ṛ -ka | śata -ṛ ◇ prayojanānāṁ prayojanam -ā -ṛ -ka ◇ vinimayena- vinimaye -āl vinamayena -u| yena -ṛ ◇ āśu- āsu -ka

12 nyāsah... //10/ | 16/1//300/30//10/ // -16/1//30/30//10/ // -āl 16/1//300/30// -ṛ| 16- /1//300/30//10/0// -ka

13–4 phalasya... samāptā] anya- om. -ā ◇ nayanam- nayam -ā ◇ mūlyayoḥ- mūlayoḥ -u -ka -kha ◇ 1/16//300/30// 10// -1/16//30/30//0/10// -ā -ka | om. -i -ūl 16/1//300/30// -ṛ ◇ guṇitau- gupito -i ◇ viparyayah- viparyah -ṛ ◇ 4800- 480 -ṛ ◇ rāśi- rāśi -ka ◇ alpena- analpena -ā -ka alpona -i| ill. -kha ◇ analpasya- alpena -āl alpasya -u -ū -ka -khal

guṇitau rāśī 300| 4 800 | alpenānalpasya rāśeh bhāge hṛte labdhāni dādi-māni 16|

iti śrībhāskarīyapātyā līlāvatyāḥ gaṇakagaṇgādharakṛtāyāṁ
gaṇitāmṛtasāgaryāṁ tīkāyāṁ prakīrṇakādhyāyavivṛttiḥ samāptā |

analpa -ṛ ◇ rāśeh- *om.* -ā -ṛ ◇ bhāge- *om.* -ā ◇ hṛte- hate -ā ◇ dādimāni- dādimamānāni -ā ◇ bhāskarīya- *om.* -u l bhāskara -ū ◇ pātyāḥ- padyāṁ -ā l *om.* -u l pātyāṁ -ṛ -ka ◇ līlāvatyāḥ- līlāvatyāṁ -ā -ṛ l *om.* -u -ka ◇ gaṇaka- *om.* -u -ṛ ◇ gaṇgādharā- *om.* -u ◇ kṛtāyāṁ- *om.* -u ◇ gaṇita...tīkāyāṁ- *om.* -u ◇ samāptā- samāptāḥ -i l *om.* -u -kha