Hora-Horoscope-Chart

[Package Structure: 1](#_Toc102319602)

[Arduhas - functions 1](#_Toc102319603)

[bhava\_arudhas (house\_to\_planet\_list) 1](#_Toc102319604)

[graha*\_arudhas (house\_*to\_planet\_list) 1](#_Toc102319605)

[Asktavarga - functions 1](#_Toc102319606)

[get\_ashtaka\_varga (house\_to\_planaet\_chart) 1](#_Toc102319607)

[sodhaya\_pindas (binna\_ashtaka\_varga, house\_to\_planaet\_chart) 1](#_Toc102319608)

[Charts - functions 1](#_Toc102319609)

[divisional\_chart (jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri', divisional\_chart\_factor=1) 1](#_Toc102319610)

[planets\_in\_retrograde (planet\_positions) 1](#_Toc102319611)

[planets\_in\_combustion (planet\_positions) 1](#_Toc102319612)

[dhasavarga\_of\_planets (jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri') 1](#_Toc102319613)

[shadvarga\_of\_planets(jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri') 1](#_Toc102319614)

[sapthavarga\_of\_planets(jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri') 1](#_Toc102319615)

[shodhasavarga\_of\_planets(jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri') 1](#_Toc102319616)

[vimsamsavarga\_of\_planets(jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri') 1](#_Toc102319617)

[House - functions 1](#_Toc102319618)

[Lambda functions 1](#_Toc102319619)

[is\_yoga\_kaaraka (asc\_house, planet, planet\_house): 1](#_Toc102319620)

[trikonas() 1](#_Toc102319621)

[dushthanas() 1](#_Toc102319622)

[chathusras() 1](#_Toc102319623)

[upachayas() 1](#_Toc102319624)

[quadrants(): 1](#_Toc102319625)

[aspected\_kendras\_of\_raasi (raasi, reverse\_direction=False) 1](#_Toc102319626)

[chara\_karakas (jd, place, divisional\_chart\_factor = 1) 1](#_Toc102319627)

[graha\_drishti\_from\_chart (house\_to\_planet\_dict, separator='/') 1](#_Toc102319628)

[raasi\_drishti\_from\_chart (house\_to\_planet\_dict, separator='/') 1](#_Toc102319629)

[get\_argala (house\_to\_planet\_dict, separator='\n') 1](#_Toc102319630)

[stronger\_co\_lord (house\_to\_planet\_dict, planet1=swe.SATURN, planet2=swe.RAHU) 1](#_Toc102319631)

[stronger\_rasi(house\_to\_planet\_dict, rasi1, rasi2) 1](#_Toc102319632)

[Yoga - functions 1](#_Toc102319633)

[Lambda functions 1](#_Toc102319634)

[get\_yoga\_details\_for\_all\_charts (jd, place, language='en') 1](#_Toc102319635)

[get\_yoga\_details (jd, place, divisional\_chart\_factor=1, language='en') 1](#_Toc102319636)

[vesi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319637)

[vosi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319638)

[ubhayachara\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319639)

[nipuna\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319640)

[sunaphaa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319641)

[anaphaa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319642)

[duradhara\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319643)

[kemadruma\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319644)

[chandra\_mangala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319645)

[adhi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319646)

[ruchaka\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319647)

[bhadra\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319648)

[sasa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319649)

[maalavya\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319650)

[hamsa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319651)

[rajju\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319652)

[musala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319653)

[nala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319654)

[maalaa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319655)

[sarpa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319656)

[gadaa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319657)

[sakata\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319658)

[vihanga\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319659)

[sringaataka\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319660)

[hala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319661)

[vajra\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319662)

[yava\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319663)

[kamala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319664)

[vaapi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319665)

[yoopa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319666)

[sara\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319667)

[sakti\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319668)

[danda\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319669)

[naukaa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319670)

[koota\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319671)

[chatra\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319672)

[chaapa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319673)

[ardha\_chandra\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319674)

[chakra\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319675)

[samudra\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319676)

[veenaa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319677)

[daama\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319678)

[paasa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319679)

[kedaara\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319680)

[soola\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319681)

[yuga\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319682)

[gola\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319683)

[subha\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319684)

[asubha\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319685)

[gaja\_kesari\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319686)

[guru\_mangala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319687)

[amala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319688)

[parvata\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319689)

[kaahala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319690)

[chaamara\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319691)

[sankha\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319692)

[bheri\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319693)

[mridanga\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319694)

[sreenaatha\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319695)

[matsya\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319696)

[koorma\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319697)

[khadga\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319698)

[kusuma\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319699)

[kalaanidhi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319700)

[kalpadruma\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319701)

[lagnaadhi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319702)

[hari\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319703)

[hara\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319704)

[brahma\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319705)

[vishnu\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319706)

[siva\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319707)

[trilochana\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319708)

[gouri\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319709)

[chandikaa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319710)

[lakshmi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319711)

[saarada\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319712)

[bhaarathi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319713)

[saraswathi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319714)

[amsaavatara\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319715)

[devendra\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319716)

[indra\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319717)

[ravi\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319718)

[bhaaskara\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319719)

[kulavardhana\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319720)

[vasumati\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319721)

[gandharva\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319722)

[go\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319723)

[vidyut\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319724)

[chapa\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319725)

[pushkala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319726)

[makuta\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319727)

[jaya\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319728)

[harsha\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319729)

[sarala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319730)

[vimala\_yoga(h\_to\_p,p\_to\_h,asc\_house) 1](#_Toc102319731)

[Raja Yoga - functions 1](#_Toc102319732)

[Lambda functions 1](#_Toc102319733)

[get\_raja\_yoga\_pairs (house\_to\_planet\_list) 1](#_Toc102319734)

[dharma\_karmadhipati\_yoga (p\_to\_h, raja\_yoga\_planet1, raja\_yoga\_planet2) 1](#_Toc102319735)

[vipareetha\_raja\_yoga (p\_to\_h, raja\_yoga\_planet1, raja\_yoga\_planet2) 1](#_Toc102319736)

[neecha\_bhanga\_raja\_yoga (house\_to\_planet\_list, raja\_yoga\_planet1, raja\_yoga\_planet2) 1](#_Toc102319737)

# Package Structure:

hora

!- horoscope

!- horoscope.py - horoscope class

!- chart - chart package

!- arudhas.py - arudhas, argala, virodhargal

!- ashtavarga.py - ashtavarga, trikona sodhana, ekadhipatya\_sodhana, sodhaya pinda

!- charts.py - divisional charts, planet combustion, retrograde

!- house.py - aspects, drishti,stronger planets/raasi, kaarakas

!- yoga.py - 100+ yogas

!- raja\_yoga.py - raja\_yoga and its sub-types

!- dhasa - dhasa package

!- ashtottari.py - ashtottari dhasa-bhuthi

!- drig.py - drigdhasa-bhuthi

!- kalachakra.py - kalachakra dhasa-bhuthi

!- moola.py - moola dhasa-bhuthi

!- mudda.py - mudda dhasa-bhuthi

!- narayana.py - narayana dhasa-bhuthi

!- nirayana.py - nirayana dhasa-bhuthi

!- patyayini.py - patyayini dhasa-bhuthi

!- shoola.py - shoola dhasa-bhuthi

!- sudasa.py - sudasa dhasa-bhuthi

!- sudharsana\_chakra.py - sudharsana\_chakra dhasa-bhuthi

!- vimsottari.py - vimsottari dhasa-bhuthi

!- match - marriage compatibility package

!- compatibility.py - marriage compatibility

!- transit - tajaka package

!- tajaka.py - annual, monthly and 60 hour charts, muntha, vargeeya balas, tajaka lord

!- tajaka\_yoga.py - tajaka yogas

!- saham.py - 36 sahams

# Arduhas - functions

from hora import const, utils

from hora.panchanga import panchanga

from hora.horoscope.chart.house import \*

import swisseph as swe

## bhava\_arudhas (house\_to\_planet\_list)

gives Bhava Arudhas for each house from the chart

@param house\_to\_planet\_list: Enter chart information in the following format.

For each house from Aries planet numbers separated by /

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@return bhava arudhas of houses. first element is for the first house from lagna and so on

## graha*\_arudhas (house\_*to\_planet\_list)

gives Graha Arudhas for each planet from the chart

@param house\_to\_planet\_list: Enter chart information in the following format.

For each house from Aries planet numbers separated by /

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@return graha arudhas of planet. first element is for Sun, last element is for Ketu

# Asktavarga - functions

from hora import const, utils

from hora.panchanga import panchanga

from hora.horoscope.chart.house import \*

import swisseph as swe

## get\_ashtaka\_varga (house\_to\_planaet\_chart)

get binna, samudhaya and prastara varga from the given horoscope planet positions

@param house\_to\_planet\_chart: 1-D array [0..11] with planets in each raasi

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@return:

binna\_ashtaka\_varga - 2-D List [0..7][0..7] 0=Sun..7=Lagnam

samudhaya ashtaka varga - 1D List [0..11] 0=Aries 11=Pisces

prastara ashtaka varga - 3D List [0..7][0..7][0..11]

## sodhaya\_pindas (binna\_ashtaka\_varga, house\_to\_planaet\_chart)

Get sodhaya pindas from binna ashtaka varga

@param :binna\_ashtaka\_varga - 2-D List [0..7][0..7] 0=Sun..7=Lagnam - of BAV values

NOTE: To pass binn ashtaka varga as parameter - you need to get it from get\_ashtaka\_varga function

@param house\_to\_planet\_chart: 1-D array [0..11] with planets in each raasi

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@return: raasi\_pindas,graha\_pindas,sodhya\_pindas

raasi\_pindas : raasi pindas of planets 0=Sun to 6=Saturn [0..6]

graha\_pindas : graha pindas of planets 0=Sun to 6=Saturn [0..6]

sidhaya\_pindas : sodhaya pindas of planets 0=Sun to 6=Saturn [0..6]

# Charts - functions

from hora.panchanga import panchanga

from hora import const,utils

## divisional\_chart (jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri', divisional\_chart\_factor=1)

Get division chart

@param jd\_at\_dob:Julian day number at the date/time of birth

Note: It can be obtained from utils.julian\_day\_number(...)

@param place\_as\_tuple - panjanga.place format

example panchanga.place('Chennai,IN',13.0,78.0,+5.5)

@param ayanamsa\_mode Default:'Lahiri' - See const.available\_ayanamsa\_modes for more options

@param divisional\_chart\_factor Default=1

1=Raasi, 9=Navamsa. See const.division\_chart\_factors for options

@return: planet\_positions list in the format [[planet,(raasi,planet\_longitude)],...]]

First element is that of Lagnam

Example: [ ['L',(0,123.4)],[1,(11,32.7)],...]] Lagnam in Aries 123.4 degrees, Sun in Taurus 32.3 degrees

## planets\_in\_retrograde (planet\_positions)

Get the list of planets that are in retrograde - based on the planet positions returned by the divisional\_chart()

@param planet\_positions: planet\_positions returned by divisional\_chart()

@return list of planets in retrograde

## planets\_in\_combustion (planet\_positions)

Get the list of planets that are in combustion - based on the planet positions returned by the divisional\_chart()

@param planet\_positions: planet\_positions returned by divisional\_chart()

@return list of planets in combustion

## dhasavarga\_of\_planets (jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri')

Get the count - in how many dhasa varga charts the planets are in their own raasi or exalted

@param jd\_at\_dob:Julian day number at the date/time of birth

Note: It can be obtained from utils.julian\_day\_number(...)

@param place\_as\_tuple - panjanga.place format

example panchanga.place('Chennai,IN',13.0,78.0,+5.5)

@param ayanamsa\_mode Default:'Lahiri' - See const.available\_ayanamsa\_modes for more options

@return count for each planet - list - Example [3,4,5,6..] Sun in its own house in 3 charts, moon in 4 charts and so on.

Special names of the count are as follows:

Paarijaataamsa – 2, Uttamaamsa – 3, Gopuraamsa– 4, Simhaasanaamsa – 5,

Paaraavataamsa – 6, Devalokaamsa – 7, Brahmalokamsa – 8, Airaavataamsa – 9,

Sreedhaamaamsa – 10.

## shadvarga\_of\_planets(jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri')

Get the count - in how many shad varga charts the planets are in their own raasi or exalted

@param jd\_at\_dob:Julian day number at the date/time of birth

Note: It can be obtained from utils.julian\_day\_number(...)

@param place\_as\_tuple - panjanga.place format

example panchanga.place('Chennai,IN',13.0,78.0,+5.5)

@param ayanamsa\_mode Default:'Lahiri' - See const.available\_ayanamsa\_modes for more options

@return count for each planet - list - Example [3,4,5,6..] Sun in its own house in 3 charts, moon in 4 charts and so on.

Special names of the count are as follows:

Kimsukaamsa – 2, Vyanjanaamsa – 3, Chaamaraamsa – 4, Chatraamsa – 5, Kundalaamsa – 6.

## sapthavarga\_of\_planets(jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri')

Get the count - in how many saptha varga charts the planets are in their own raasi or exalted

@param jd\_at\_dob:Julian day number at the date/time of birth

Note: It can be obtained from utils.julian\_day\_number(...)

@param place\_as\_tuple - panjanga.place format

example panchanga.place('Chennai,IN',13.0,78.0,+5.5)

@param ayanamsa\_mode Default:'Lahiri' - See const.available\_ayanamsa\_modes for more options

@return count for each planet - list - Example [3,4,5,6..] Sun in its own house in 3 charts, moon in 4 charts and so on.

Special names of the count are as follows:

Kimsukaamsa – 2, Vyanjanaamsa – 3, Chaamaraamsa – 4, Chatraamsa – 5, Kundalaamsa – 6, Mukutaamsa – 7.

## shodhasavarga\_of\_planets(jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri')

Get the count - in how many shodhasa varga charts the planets are in their own raasi or exalted

@param jd\_at\_dob:Julian day number at the date/time of birth

Note: It can be obtained from utils.julian\_day\_number(...)

@param place\_as\_tuple - panjanga.place format

example panchanga.place('Chennai,IN',13.0,78.0,+5.5)

@param ayanamsa\_mode Default:'Lahiri' - See const.available\_ayanamsa\_modes for more options

@return count for each planet - list - Example [3,4,5,6..] Sun in its own house in 3 charts, moon in 4 charts and so on.

Special names of the count are as follows:

Bhedakaamsa – 2, Kusumaamsa – 3, Nagapurushaamsa – 4, Kandukaamsa – 5,

Keralaamsa – 6, Kalpavrikshaamsa – 7, Chandanavanaamsa – 8, Poornachandraamsa – 9,

Uchchaisravaamsa – 10, Dhanvantaryamsa – 11, Sooryakaantaamsa – 12,

Vidrumaamsa – 13, Indraasanaamsa – 14, Golokaamsa – 15, Sree Vallabhaamsa – 16.

## vimsamsavarga\_of\_planets(jd\_at\_dob, place\_as\_tuple, ayanamsa\_mode='Lahiri')

Get the count - in how many vimsamsa varga charts the planets are in their own raasi or exalted

@param jd\_at\_dob:Julian day number at the date/time of birth

Note: It can be obtained from utils.julian\_day\_number(...)

@param place\_as\_tuple - panjanga.place format

example panchanga.place('Chennai,IN',13.0,78.0,+5.5)

@param ayanamsa\_mode Default:'Lahiri' - See const.available\_ayanamsa\_modes for more options

@return count for each planet - list - Example [3,4,5,6..] Sun in its own house in 3 charts, moon in 4 charts and so on.

Special names of the count are as follows:

Bhedakaamsa – 2, Kusumaamsa – 3, Nagapurushaamsa – 4, Kandukaamsa – 5,

Keralaamsa – 6, Kalpavrikshaamsa – 7, Chandanavanaamsa – 8, Poornachandraamsa – 9,

Uchchaisravaamsa – 10, Dhanvantaryamsa – 11, Sooryakaantaamsa – 12,

Vidrumaamsa – 13, Indraasanaamsa – 14, Golokaamsa – 15, Sree Vallabhaamsa – 16.

# House - functions

from hora.panchanga import panchanga

from hora import const,utils

## Lambda functions

get\_relative\_house\_of\_planet = lambda from\_house, planet\_house: (planet\_house + 12 -from\_house) % 12 + 1

strong\_signs\_of\_planet = lambda planet,strength=const.\_FRIEND: [h for h in range(12) if const.house\_strengths\_of\_planets[planet][h]==strength]

Get All trikona aspects of the given raasi

trikona\_aspects\_of\_the\_raasi = lambda raasi: [(raasi)%12, (raasi+4)%12, (raasi+8)%12]

trines\_of\_the\_raasi = lambda raasi: trikona\_aspects\_of\_the\_raasi(raasi)

functional\_benefic\_lord\_houses = lambda asc\_house: trines\_of\_the\_raasi(asc\_house)

functional\_malefic\_lord\_houses = lambda asc\_house: [(asc\_house+2)%12,(asc\_house+5)%12,(asc\_house+10)%12]

functional\_neutral\_lord\_houses = lambda asc\_house: [(asc\_house+1)%12,(asc\_house+7)%12,(asc\_house+11)%12]

dushthana\_aspects\_of\_the\_raasi = lambda raasi:[(raasi)%12, (raasi+2)%12, (raasi+6)%12]

dushthanas\_of\_the\_raasi = lambda raasi: dushthana\_aspects\_of\_the\_raasi(raasi)

chathusra\_aspects\_of\_the\_raasi = lambda raasi:[(raasi+2)%12, (raasi+4)%12]

chathusras\_of\_the\_raasi = lambda raasi: chathusra\_aspects\_of\_the\_raasi(raasi)

kendra\_aspects\_of\_the\_raasi = lambda raasi:[(raasi)%12, (raasi+3)%12, (raasi+6)%12,(raasi+9)%12]

quadrants\_of\_the\_raasi = lambda raasi:kendra\_aspects\_of\_the\_raasi(raasi)

upachaya\_aspects\_of\_the\_raasi = lambda raasi:[(raasi)%12, (raasi+3)%12, (raasi+7)%12,(raasi+8)%12]

upachayas\_of\_the\_raasi = lambda raasi: upachaya\_aspects\_of\_the\_raasi(raasi)

## is\_yoga\_kaaraka (asc\_house, planet, planet\_house):

Check if a planet is yoga kaaraka

@param asc\_house: Raasi index of Lagnam (0=Aries, 11=Pisces)

@param planet: Index of Planet (0=Sun, 8=Kethu)

@param planet\_house: Raasi index of where planet is (0=Aries, 11=Pisces)

@return: True/False whether planet is yoga kaaraka or not

## trikonas()

Get All trikonas of all houses

## dushthanas()

Get All dushthanas of all houses

## chathusras()

Get All chathusras of all houses

## upachayas()

Get All upachayas of all houses

## quadrants():

Get All quadrants of all houses

Same as kendras() function

## aspected\_kendras\_of\_raasi (raasi, reverse\_direction=False)

@param raasi: 0 .. 11

@param reverse\_direction = True (default):

NOTE: !!! use reverse\_direction=True only for some dhasa-bukthi such as drig dhasa !!!

@return: aspected house numbers [1,4,7,10] with respect to the raasi

NOTE: !!! Kendras return as 1..12 instead of 0..11. !!!

## chara\_karakas (jd, place, divisional\_chart\_factor = 1)

get chara karakas for a dasa varga chart

@param jd - juliday number for date/time of birth

use utils.julian\_day\_number() function

@param place: panchanga.place struct(place,lat,long,timezone)

@param divisional\_chart\_factor: 1=Rasi, 2=Hora...,9=Navamsa etc

see const.division\_chart\_factors

@return: chara karaka for all planets as a list. First element is Sun

## graha\_drishti\_from\_chart (house\_to\_planet\_dict, separator='/')

get graha drishti from the chart positions of the planet

@param house\_to\_planet\_dict: list of raasi with planet ids in them

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@param separator: separator character used separate planets in a house

@return: arp, ahp, app

Each tuple item is a 2D List

arp = planets' graha drishti on raasis. Example: [[0,1,],...]] Sun has graha drishti in Aries and Tauras

ahp = planets' graha drishti on houses. Example: [[0,1,],...]] Sun has graha drishti in 1st and 2nd houses

app = planets' graha drishti on planets. Example: [[1,2,],...]] Sun has graha drishti on Moon and Mars

## raasi\_drishti\_from\_chart (house\_to\_planet\_dict, separator='/')

get raasi drishti from the chart positions of the planet

@param house\_to\_planet\_dict: list of raasi with planet ids in them

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@param separator: separator character used separate planets in a house

@return: arp, ahp, app

Each tuple item is a 2D List

arp = raasis' graha drishti on raasis. Example: [[1,2,],...]] Aries has raasi drishti in Tauras and Gemini

ahp = raasis' graha drishti on houses. Example: [[1,2,],...]] 1st house/Lagnam has raasi drishti in 2nd and 3rd houses

app = raasis' graha drishti on planets. Example: [[1,2,],...]] Aries has raasi drishti on Moon and Mars

## get\_argala (house\_to\_planet\_dict, separator='\n')

Get argala and Virodhargala from the chart

@param house\_to\_planet\_dict: list of raasi with planet ids in them

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@param separator: separator character used separate planets in a house

@return argala,virodhargala

argala = list of houses each planet causing argala - 2D List [ [0,2]..]] Sun causing argala in Ar and Ge

virodhargala = list of houses each planet causing virodhargala - 2D List [ [0,2]..]] Sun causing virodhargala in Ar and Ge

## stronger\_co\_lord (house\_to\_planet\_dict, planet1=swe.SATURN, planet2=swe.RAHU)

To find stronger planet between Rahu/Saturn/Aquarius or Ketu/Mars/Scorpio

@param house\_to\_planet\_dict: list of raasi with planet ids in them

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@param planet1 and planet2 has to be either Rahu/Saturn 7 and 6 or Ketu/Mars 8 and 3

@return stronger of planet1 and planet2

Stronger of Rahu/Saturn or Ketu/Mar is returned

## stronger\_rasi(house\_to\_planet\_dict, rasi1, rasi2)

To find stronger rasi between rasi1 and rasi2

@param house\_to\_planet\_dict: list of raasi with planet ids in them

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@param rasi1: [ 0,,11] 0 = Ar and 11 = Pi

@param rasi2: [ 0,,11] 0 = Ar and 11 = Pi

@return return stringer raasi (raasi index 0 to 11, 0 = Ar, 11=Pi)

# Yoga - functions

import swisseph as swe

import json

from hora import const,utils

from hora.horoscope import horoscope

from hora.panchanga import panchanga

from hora.horoscope.chart import house, charts

from hora.horoscope.transit import tajaka

## Lambda functions

quandrants\_of\_the\_house = lambda raasi: house.quadrants\_of\_the\_raasi(raasi)

## get\_yoga\_details\_for\_all\_charts (jd, place, language='en')

Get all the yoga information that are present in the divisional charts for a given julian day and place

@param jd: Julian day number

@param place: struct (plave name, latitude, longitude, timezone)

@param language: two letter language code (en, hi, ka, ta, te)

@return: returns a 2D List of yoga\_name, yoga\_details

yoga\_name in language

yoga\_details: [chart\_ID, yoga\_name, yoga\_desription, yoga\_benfits]

## get\_yoga\_details (jd, place, divisional\_chart\_factor=1, language='en')

Get all the yoga information that are present in the requested divisional charts for a given julian day and place

@param jd: Julian day number

@param place: struct (plave name, latitude, longitude, timezone)

@param divisional\_chart\_factor: integer of divisional chart 1=Rasi, 2=D2, 9=D9 etc

@param language: two letter language code (en, hi, ka, ta, te)

@return: returns a 2D List of yoga\_name, yoga\_details

yoga\_name in language

yoga\_details: [chart\_ID, yoga\_name, yoga\_desription, yoga\_benfits]

**Supported 95 yogas are given below - calling each of them check and return True or False if yoga is present**

## vesi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## vosi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## ubhayachara\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## nipuna\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sunaphaa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## anaphaa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## duradhara\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## kemadruma\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## chandra\_mangala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## adhi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## ruchaka\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## bhadra\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sasa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## maalavya\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## hamsa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## rajju\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## musala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## nala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## maalaa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sarpa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## gadaa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sakata\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## vihanga\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sringaataka\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## hala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## vajra\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## yava\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## kamala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## vaapi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## yoopa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sara\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sakti\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## danda\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## naukaa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## koota\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## chatra\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## chaapa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## ardha\_chandra\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## chakra\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## samudra\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## veenaa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## daama\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## paasa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## kedaara\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## soola\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## yuga\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## gola\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## subha\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## asubha\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## gaja\_kesari\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## guru\_mangala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## amala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## parvata\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## kaahala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## chaamara\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sankha\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## bheri\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## mridanga\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sreenaatha\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## matsya\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## koorma\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## khadga\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## kusuma\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## kalaanidhi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## kalpadruma\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## lagnaadhi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## hari\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## hara\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## brahma\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## vishnu\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## siva\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## trilochana\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## gouri\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## chandikaa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## lakshmi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## saarada\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## bhaarathi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## saraswathi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## amsaavatara\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## devendra\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## indra\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## ravi\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## bhaaskara\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## kulavardhana\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## vasumati\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## gandharva\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## go\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## vidyut\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## chapa\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## pushkala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## makuta\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## jaya\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## harsha\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## sarala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

## vimala\_yoga(h\_to\_p,p\_to\_h,asc\_house)

# Raja Yoga - functions

import itertools

from hora import const,utils

from hora.horoscope.chart import house

## Lambda functions

lords\_of\_quadrants = lambda raasi:[const.house\_owners[h] for h in house.quadrants\_of\_the\_raasi(raasi)]

lords\_of\_trines = lambda raasi:[const.house\_owners[h] for h in house.trines\_of\_the\_raasi(raasi)]

## get\_raja\_yoga\_pairs (house\_to\_planet\_list)

To get raja yoga planet pairs from house to planet list

NOTE: !!! Strength of the pairs are not checked !!!

@param house\_to\_planet\_dict: list of raasi with planet ids in them

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@return 2D List of raja yoga planet pairs

Example: [[0,2],[3,6]] : Tow raja yoga pairs [Sun,Mars] and [Mercury,Saturn]

## dharma\_karmadhipati\_yoga (p\_to\_h, raja\_yoga\_planet1, raja\_yoga\_planet2)

Dharma-Karmadhipati Yoga: This is a special case of the above yoga. If the lords

of dharma sthana (9th) and karma sthana (10th) form a raja yoga

@param p\_to\_h: planet\_to\_house dictionary Example: {0:1,1:2,...'L':11,..} Sun in Ar, Moon in Ta, Lagnam in Pi

@param raja\_yoga\_planet1: Planet index for first raja yoga planet [0 to 6] Rahu/Kethu/Lagnam not supported

@param raja\_yoga\_planet2: Planet index for second raja yoga planet [0 to 6] Rahu/Kethu/Lagnam not supported

@return: True/False = True = dharma karmadhipati yoga is present

## vipareetha\_raja\_yoga (p\_to\_h, raja\_yoga\_planet1, raja\_yoga\_planet2)

Checks if given two raja yoga planets also for vipareetha raja yoga/

Also returns the sub type of vipareetha raja yoga

Harsh Raja Yoga, Saral Raja Yoga and Vimal Raja Yoga

Vipareeta Raaja Yoga: The 6th, 8th and 12th houses are known as trik sthanas or

dusthanas (bad houses). If their lords occupies dusthanas or conjoin dusthanas

@param p\_to\_h: planet\_to\_house dictionary Example: {0:1,1:2,...'L':11,..} Sun in Ar, Moon in Ta, Lagnam in Pi

@param raja\_yoga\_planet1: Planet index for first raja yoga planet [0 to 6] Rahu/Kethu/Lagnam not supported

@param raja\_yoga\_planet2: Planet index for second raja yoga planet [0 to 6] Rahu/Kethu/Lagnam not supported

return [Boolean, Sub\_type]

Example: [True,'Harsh Raja Yoga']

## neecha\_bhanga\_raja\_yoga (house\_to\_planet\_list, raja\_yoga\_planet1, raja\_yoga\_planet2)

Checks if given raja yoga pais form neecha bhanga raja yoga

NOTE: Checks only the first 3 conditions below. 4 and 5 to be done in future version

1. If the lord of the sign occupied by a weak or debilitated planet is exalted or is in Kendra from Moon.

Ex, If Jupiter is debilitated in Capricorn and if Saturn is exalted and placed in Kendra from moon

2. If the debilitated planet is conjunct with the Exalted Planet

3. If the debilitated planet is aspected by the master of that sign.

Ex, If Sun is debilitated in Libra and it is aspect by Venus with 7th aspect.

4. If the debilitated planet is Exalted in Navamsa Chart.

5. The planet which gets exalted in the sign where a debilitated planet is placed is in a Kendra from the Lagna or the Moon.

Ex, If Sun is debilitated in the birth chart in Libra and Saturn which gets exalted in Libra is placed in Kendra from Lagna or Moon.

@param house\_to\_planet\_dict: list of raasi with planet ids in them

Example: ['','','','','2','7','1/5','0','3/4','L','','6/8'] 1st element is Aries and last is Pisces

@param raja\_yoga\_planet1: Planet index for first raja yoga planet [0 to 6] Rahu/Kethu/Lagnam not supported

@param raja\_yoga\_planet2: Planet index for second raja yoga planet [0 to 6] Rahu/Kethu/Lagnam not supported

@return: True/False = True = neecha bhanga raja yoga is present