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# 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

# Tajaka - Functions

## Import

import swisseph as swe

from hora import const,utils

from hora.panchanga import panchanga

from hora.horoscope.chart import charts, house

## Lambda Functions

Muntha house at n years after birth is nth house from Lagna. For example at 51th year, 50th house (i.e 4x12+2, 2nd house) from lagna

muntha\_house = lambda ascendant\_house,years: (ascendant\_house+years)%12

## trinal\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

Trinal Aspects of the Raasi

@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 raasi:Raasi index whose trinal aspects is sought

@return: aspected Raasis, aspected planets - as a list

## trinal\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Trinal Aspects of the planet (strong benefic aspect)*

**@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** *planet:Planet index whose trinal aspects is sought*

**@return:** *aspected raasis, aspected planets - as a list*

## sextile\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

*Sextile Aspects of the Raasi*

**@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** *raasi:Raasi index whose sextile aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## sextile\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Sextile Aspects of the planet (weak benefic aspect)*

**@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** *planet:Planet index whose sextile aspects is sought*

**@return:** *aspected raasis, aspected planets - as a list*

## square\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

*Square Aspects of the Raasi*

**@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** *raasi:Raasi index whose square aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## square\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Square Aspects of the planet (weak maleefic aspect)*

**@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** *planet:Planet index whose sextile aspects is sought*

**@return:** *aspected raasis, aspected planets - as a list*

## benefic\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

*Benefic Aspects of the Raasi*

**@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** *raasi:Raasi index whose benefic aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## benefic\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Benefic Aspects of the planet (weak maleefic aspect)*

**@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** *planet:Planet index whose benefic aspects is sought*

**@return:** *aspected raasis, aspected planets - as a list*

## planet\_has\_benefic\_aspect\_on\_house (house\_planet\_dict, planet, house)

*Return True/False if planet has benefic on a house*

**@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** *planet:Planet index whose benefic aspects is sought*

**@param** *house:House index whose benefic aspects is sought*

**@return:** *True/False*

## semi\_sextile\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

*Semi sextile Aspects of the Raasi*

**@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** *raasi:Raasi index whose semi sextile aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## semi\_sextile\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Semi sextile Aspects of the planet (Neutral aspect)*

**@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** *planet:palnet index whose semi sextile aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## neutral\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

*Neutral Aspects of the Raasi*

**@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** *raasi:Raasi index whose neutral aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## neutral\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Neutral Aspects 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** *planet:planet index whose neutral aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## opposition\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

*Opposition Aspects of the Raasi (Strong Malefic Aspect)*

**@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** *raasi:Raasi index whose opposition aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## opposition\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Opposition Aspects of the Planet (Strong Malefic Aspect)*

**@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** *planet:Planet index whose opposition aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## conjunction\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

*Conjunction Aspects of the Raasi*

**@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** *raasi:Raasi index whose conjunction aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## conjunction\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Conjunction Aspects of the Planet (strong malefic aspect)*

**@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** *planet:Planet index whose conjunction aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## malefic\_aspects\_of\_the\_raasi (house\_planet\_dict, raasi)

*Malefic Aspects of the Raasi*

**@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** *raasi:Raasi index whose malefic aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## malefic\_aspects\_of\_the\_planet (house\_planet\_dict, planet)

*Malefic Aspects 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** *planet:Planet index whose malefic aspects is sought*

**@return:** *aspected Raasis, aspected planets - as a list*

## **planets\_have\_benefic\_aspects** (house\_planet\_dict,planet1, planet2)

*Return True/False if planet1 and planet2 have benefic aspects on each other*

**@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:Planet1 index whose benefic aspects is sought*

**@param** *planet1:Planet2 index whose benefic aspects is sought*

**@return:** *True/False if both planets have benefic aspect on each other*

## **planets\_have\_malefic\_aspects** (house\_planet\_dict, planet1, planet2)

*Return True/False if planet1 and planet2 have malefic aspects on each other*

**@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:Planet1 index whose malefic aspects is sought*

**@param** *planet1:Planet2 index whose malefic aspects is sought*

**@return:** *True/False if both planets have malefic aspect on each other*

## **planets\_have\_neutral\_aspects** (house\_planet\_dict, planet1, planet2)

*Return True/False if planet1 and planet2 have neutral aspects on each other*

**@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:Planet1 index whose neutral aspects is sought*

**@param** *planet1:Planet2 index whose neutral aspects is sought*

**@return:** *True/False if both planets have neutral aspect on each other*

## **planets\_have\_aspects** (house\_planet\_dict, planet1, planet2)

*Return True/False if planet1 and planet2 have ANU aspects on each other*

**@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:Planet1 index whose aspects is sought*

**@param** *planet1:Planet2 index whose aspects is sought*

**@return:** *True/False if both planets have ANY aspect on each other*

## planet\_has\_malefic\_aspect\_on\_house (house\_planet\_dict, planet, house)

*Return True/False if planet has malefic aspect on the house*

**@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** *planet:Planet index whose malefic aspects is sought*

**@param** *house:House index whose malefic aspects is sought*

**@return:** *True/False if planet has malefic aspect on the house*

## **aspects\_of\_the\_raasi** (house\_planet\_dict, raasi)

*Return benefic, malefic and neutral aspected of the rasi*

**@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** *raasi:Raasi index whose malefic aspects is sought*

**@return** *aspected houses, aspected planets*

## **aspects\_of\_the\_planet** (house\_planet\_dict, planet)

*Return benefic, malefic and neutral aspects 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** *planet:Planet index whose malefic aspects is sought*

**@return** *aspected houses, aspected planets*

## **annual\_chart** (jd\_at\_dob, place, divisional\_chart\_factor=1, years=1)

*Also can be called using:*

*varsha\_pravesh (jd\_at\_dob, place, divisional\_chart\_factor=1, years=1)*

*Create Tajaka Annual Chart. Tajaka annual chart is chart for one year at "years" from date of birth/time of birth*

**@param** *jd\_at\_dob: Julian Day nummber at date/time of birth*

*Note: You can use swe.julday(dob\_year,dob\_month,dob\_day,tob\_hour+tob\_minutes/60.0+tob\_seconds/3600.0) to get*

**@param** *place: should be a struct os panchanga.Place (place,latitude,longitude,time\_sone\_factor)*

**@param** *divisional\_chart\_factor: 1=Rasi, 2=Hota, 9=navamsa etc. See panchanga.division\_chart\_factors for details*

**@param** *years: number of years after dob the dhasa varga chart is sought*

**@return:** *Tjaka annual dhasa varga chart as list of planets*

## **monthly\_chart** (jd\_at\_dob, place, divisional\_chart\_factor=1, years=1, months=1)

*Also can be called using:*

*maasa\_pravesh (jd\_at\_dob, place, divisional\_chart\_factor=1, years=1, months=1)*

*Create Tajaka monthly Chart. Tajaka monthly chart is chart for nth month at "years" from date of birth/time of birth*

**@param** *jd\_at\_dob: Julian Day nummber at date/time of birth*

*Note: You can use swe.julday(dob\_year,dob\_month,dob\_day,tob\_hour+tob\_minutes/60.0+tob\_seconds/3600.0) to get*

**@param** *place: should be a struct os panchanga.Place (place,latitude,longitude,time\_sone\_factor)*

**@param** *divisional\_chart\_factor: 1=Rasi, 2=Hota, 9=navamsa etc. See panchanga.division\_chart\_factors for details*

**@param** *years: number of years after dob the dhasa varga chart is sought*

**@param** *months: number of month after years after dob the dhasa varga chart is sought*

**@return:** *Tjaka annual dhasa varga chart as list of planets*

## **sixty\_hour\_chart** (jd\_at\_dob, place, divisional\_chart\_factor=1, years=1, months=1, sixty\_hour\_count=1)

*Create Tajaka sizty hour Chart.*

**@param** *jd\_at\_dob: Julian Day nummber at date/time of birth*

*Note: You can use swe.julday(dob\_year,dob\_month,dob\_day,tob\_hour+tob\_minutes/60.0+tob\_seconds/3600.0) to get*

**@param** *place: should be a struct os panchanga.Place (place,latitude,longitude,time\_sone\_factor)*

**@param** *divisional\_chart\_factor: 1=Rasi, 2=Hota, 9=navamsa etc. See panchanga.division\_chart\_factors for details*

**@param** *years: number of years after dob the dhasa varga chart is sought*

**@param** *months: number of month after years after dob the dhasa varga chart is sought*

**@param** *sizty\_hour\_count: number of 2.5 days in the tajaka month after years after dob the dhasa varga chart is sought*

**@return:** *Tjaka annual dhasa varga chart as list of planets*

## **harsha\_bala** (p\_to\_h, new\_year\_daytime\_start=True)

*computes the harsha bala score of the planets*

**@param** *p\_to\_h: Planet to House dictionary in the format:*

*={0:1,1:0,2:3...} # Sun in Ta, Moon in Ar, Mars in Ge etc*

**@param** *new\_year\_daytime\_start: If the birth time on the annual chart is daytime or nighttime*

*For example.If some one was born 11:00 AM in 1970 and 25th year the same time is equivalent to say 7 pm*

*because a solar year 365.2583 days then 24\*365.2583 could lead to 7pm - so new\_year\_daytime\_start = False*

**@return:** *Harsha Bala score for each planet - as a list*

*Example: {0: 0, 1: 15, 2: 0, 3: 10, 4: 5, 5: 10, 6: 5} - Sun's score = 0, Venus's score = 10*

## pancha\_vargeeya\_bala(jd, place)

*computes the Pancha Vargeeya bala score of the planets*

*Keshetra Bala:*

*A planet gets 30 units of Bala in own sign, 22.5 units in friendly sign, 15 units in neutral sign*

*and 7.5 units in an enemy sign.*

*Drekkana Bala*

*A planet in own rasi in D-3 gets 10 units of Drekkana bala. A planet in a friend’s rasi in D-3 gets 5 units of*

*Drekkana bala. A planet in an enemy’s rasi in D-3 gets 2.5 units of Drekkana bala.*

*Navamsa Bala*

*A planet in own rasi in D-9 gets 5 units of Navamsa bala. A planet in a friend’s rasi in D-9 gets 2.5 units of*

*Navamsa bala. A planet in an enemy’s rasi in D-9 gets 1.25 units of Navamsa bala.*

*Uchcha Bala*

*Uchcha bala shows how close a planet is from its exaltation point. A planet gets 20*

*units of uchcha bala if it is at its deep exaltation point (Sun: 10º Ar, Moon: 3º Ta,*

*Mars: 28º Cp, Mercury: 15º Vi, Jupiter: 5º Cn, Venus: 27º Pi, Saturn: 20º Li). At*

*180º from its deep exaltation point, a planet is deeply debilitated and it gets 0 units of*

*uchcha bala.*

*Hadda Bala*

*A planet in own hadda gets 15 units of Hadda bala. A planet in a friend’s hadda gets 7.5 units of Hadda bala.*

*A planet in an enemy’s hadda gets 3.75 units of Hadda bala.*

**@param** *jd: Julian Day Number (of the annual day*

**@param** *place: panchanga.Place struct: Place('place\_name',latitude, longitude, timezone)*

**@return:** *Pancha Vargeeya Bala score for each planet - as a list*

*Example: [15.72, 14.27, 13.0, 6.33, 11.87, 16.05, 6.45] - Sun's score = 15.72, Venus's score = 16.05*

## dwadhasa\_vargeeya\_bala (jd, place)

*Calculates dwadhasa\_vargeeya\_bala score of the planets*

**@param** *jd: Julian Day Number (of the annual day*

**@param** *place: panchanga.Place struct: Place('place\_name',latitude, longitude, timezone)*

**@return:** *returns dict of strong (>0) and weak (<0) planets. Also returns list of only strong planets*

*Example: {0: -4, 1: 0, 2: -4, 3: 2, 4: 0, 5: -2, 6: 2} [3, 6]*

## **lord\_of\_the\_year** (jd\_at\_dob, place, years\_from\_dob)

*Get the Lord of the year/annual chart - Get natal lagna house from birth chart*

**@param** *jd\_at\_dob: Julin Day Number for the date of birth*

**@param** *place: pancha.Place Struct Place('place name',latitude,longitude,timezone)*

**@param** *years\_from\_dob:# of years from date of birth.*

*For example if Lord of the 25th year from DOB, then years\_from\_dob=25*

**@return:** *Lord of the year (planet index) [0..6]*

*Note: Rahu/Ketu dont form lord of the year*

## **lord\_of\_the\_month** (jd\_at\_dob, place, years\_from\_dob, months\_from\_dob)

*Get the Lord of the monthly chart - Get natal lagna house from birth chart*

**@param** *jd\_at\_dob: Julin Day Number for the date of birth*

**@param** *place: pancha.Place Struct Place('place name',latitude,longitude,timezone)*

**@param** *years\_from\_dob:# of years from date of birth.*

*For example if Lord of the 25th year from DOB, then years\_from\_dob=25*

**@param** *months\_from\_dob:# of months on the years\_from\_dob.*

*For example if 10th month of 25th year from DOB, then months\_from\_dob=10*

**@return:** *Lord of the month (planet index) [0..6]*

*Note: Rahu/Ketu dont form lord of the month*

## **both\_planets\_within\_their\_deeptamsa** (planet\_positions, planet1, planet2)

*Check if two planets are within their deeptamsa*

**@param** *planet\_positions: Planet Positions in the format [[planet,(raasi,longitude)],...]*

**@param** *planet1: First planet index*

**@param** *planet2: Second planet index comapred against*

**@return:** *True/False, Ithasala Type*

*Ithasala Type: 1. Varthamaana ithasala, 2. Bhavishya ithasala, 3. Poorna ithasala*

## **both\_planets\_approaching** (planet\_positions, planet1, planet2)

*Check if two planets are approaching each other*

*NOTE: TODO: Check if planets in retrograde so they are moving away*

**@param** *planet\_positions: Planet Positions in the format [[planet,(raasi,longitude)],...]*

**@param** *planet1: First planet index*

**@param** *planet2: Second planet index comapred against*

**@return:** *True/False*

# Tajaka Yoga - Functions

## Import

import itertools

from hora import const,utils

from hora.horoscope.chart import house

from hora.horoscope.transit import tajaka

## **ishkavala\_yoga** (planet\_to\_house\_dict,asc\_house)

*Ishkavala Yoga*

*If planets occupy only kendras (1st, 4th, 7th and 10th houses) and panapharas (2nd, 5th,*

*8th and 11th houses) and if apoklimas (3rd, 6th, 9th and 12th houses) are empty, then*

*this yoga is present. This yoga gives wealth, happiness and good fortune.*

**@param** *planet\_to\_house\_dict: Example {0:1.1:2,2:0,..'L':1}*

**@param** *asc\_house: Raasi index of the ascendant/Lagnam*

**@return:** *True/False - whether ishkaval yoga is present or not*

## **induvara\_yoga** (planet\_to\_house\_dict, asc\_house)

*Induvara Yoga*

*If planets occupy only apoklimas (3rd, 6th, 9th and 12th houses) and if kendras (1st, 4th,*

*7th and 10th houses) and panapharas (2nd, 5th, 8th and 11th houses) are empty, then this*

*yoga is present. This yoga gives disappointments, worries and illnesses.*

**@param** *planet\_to\_house\_dict: Example {0:1.1:2,2:0,..'L':1}*

**@param** *asc\_house: Raasi index of the ascendant/Lagnam*

**@return:** *True/False - whether induvara yoga is present or not*

## **ithasala\_yoga** (planet\_positions, planet1, planet2)

*Ithasala Yoga*

*If two planets have an aspect and if the faster moving planet83 is less advanced in its*

*rasi than the slower moving planet, then we have an ithasala yoga between the two.*

**@param** *planet\_to\_house\_dict: Example {0:1.1:2,2:0,..'L':1}*

**@param** *asc\_house: Raasi index of the ascendant/Lagnam*

**@return:** *True/False - whether induvara yoga is present or not*

## **eesarpha\_yoga** (planet\_positions, planet1, planet2)

**@param** *planet\_positions: [ ['L',(7,12,3456)], [0,(4,112,3456)],...]]*

**@param** *asc\_house: Raasi index of the ascendant/Lagnam*

**@return:** *True/False - whether yoga is present or not*

## get\_nakta\_yoga\_planet\_triples (planet\_positions)

*nakta yoga between p2 and p3 if*

*p1 & p2 and p1 & p3 have ithasala yoga between them*

*but p2 and p3 have no aspects*

**@param** *planet\_positions: [ ['L',(7,12,3456)], [0,(4,112,3456)],...]]*

**@return:** *List of natka yoga triples*

## get\_yamaya\_yoga\_planet\_triples (planet\_positions)

*yamaya yoga between p2 and p3 if*

*p1 & p2 and p1 & p3 have ithasala yoga between them*

*but p2 and p3 have no aspects*

**@param** *planet\_positions: [ ['L',(7,12,3456)], [0,(4,112,3456)],...]]*

**@return:** *List of yamaya yoga triples*

## get\_eesarpha\_yoga\_planet\_pairs (planet\_positions)

*Get eeasrpha yoga planet pairs*

**@param** *planet\_positions: [ ['L',(7,12,3456)], [0,(4,112,3456)],...]]*

**@return:** *List of eesarpha yoga pairs*

## get\_ithasala\_yoga\_planet\_pairs (planet\_positions)

*Get ithasala yoga planet pairs*

**@param** *planet\_positions: [ ['L',(7,12,3456)], [0,(4,112,3456)],...]]*

**@return:** *List of ithasala yoga pairs*

## get\_manahoo\_yoga\_planet\_pairs (planet\_positions)

*Get manahoo yoga planet pairs*

**@param** *planet\_positions: [ ['L',(7,12,3456)], [0,(4,112,3456)],...]]*

**@return:** *List of manahoo yoga pairs*

## get\_kamboola\_yoga\_planet\_pairs (planet\_positions)

*Get kamboola yoga planet pairs*

**@param** *planet\_positions: [ ['L',(7,12,3456)], [0,(4,112,3456)],...]]*

**@return:** *List of kamboola yoga pairs*

## get\_radda\_yoga\_planet\_pairs (planet\_positions)

*Get radda yoga planet pairs*

**@param** *planet\_positions: [ ['L',(7,12,3456)], [0,(4,112,3456)],...]]*

**@return:** *List of radda yoga pairs*

## get\_duhphali\_kutta\_yoga\_planet\_pairs (jd, place)

*Get duhphali kutta yoga planet pairs*

**@param** *jd: Julian Day Number*

**@param** *place: panchanga.Place struct ('place name',latitude, longitude, timezone)*

**@return:** *List of duhphali kutta yoga pairs*

# Saham – Functions

*Saham calculation*

*saham has a formula that looks like A – B + C. What this means is that we take the*

*longitudes of A, B and C and find (A – B + C). This is equivalent to finding how far*

*A is from B and then taking the same distance from C. However, if C is not between*

*B and A (i.e. we start from B and go zodiacally till we meet A and we do not find C*

*on the way), then we add 30º to the value evaluated above.*

## Import

from hora import const, utils

from hora.panchanga import panchanga

from hora.horoscope.chart import charts, house

## Lambda Functions

saham\_longitude = lambda pp,p:pp[p][1][0]\*30+pp[p][1][1]

lagna\_longitude = lambda pp: saham\_longitude(pp,0)

sun\_longitude = lambda pp: saham\_longitude(pp,1)

moon\_longitude = lambda pp: saham\_longitude(pp,2)

mars\_longitude = lambda pp: saham\_longitude(pp,3)

mercury\_longitude = lambda pp: saham\_longitude(pp,4)

jupiter\_longitude = lambda pp: saham\_longitude(pp,5)

venus\_longitude = lambda pp: saham\_longitude(pp,6)

saturn\_longitude = lambda pp: saham\_longitude(pp,7)

## punya\_saham (planet\_positions,night\_time\_birth=False):

# 1 Punya Fortune/good deeds Moon – Sun + Lagna

## vidya\_saham (planet\_positions,night\_time\_birth=False):

# 2 Vidya Education Sun – Moon + Lagna

## yasas\_saham (planet\_positions,night\_time\_birth=False):

# 3 Yasas Fame Jupiter – PunyaSaham + Lagna

## mitra\_saham (planet\_positions,night\_time\_birth=False):

# 4 Mitra Friend Jupiter – PunyaSaham + Venus

## mahatmaya\_saham (planet\_positions,night\_time\_birth=False):

# 5 Mahatmya Greatness PunyaSaham – Mars + Lagna

## asha\_saham (planet\_positions,night\_time\_birth=False):

# 6 Asha Desires Saturn – Mars + Lagna

## samartha\_saham (planet\_positions,night\_time\_birth=False):

# 7 Samartha Enterprise/ability Mars – Lagna Lord + Lagna (Jupiter – Mars + Lagna, if Mars owns lagna)

## bhratri\_saham (planet\_positions):

# 8 Bhratri Brothers Jupiter – Saturn + Lagna (same for day & night)

## gaurava\_saham (planet\_positions,night\_time\_birth=False):

# 9 Gaurava Respect/regard Jupiter – Moon + Sun

## pithri\_saham (planet\_positions,night\_time\_birth=False):

# 10 Pitri Father Saturn – Sun + Lagna

## rajya\_saham (planet\_positions,night\_time\_birth=False):

# 11 Rajya Kingdom Saturn – Sun + Lagna

## maathri\_saham (planet\_positions,night\_time\_birth=False):

# 12 Matri Mother Moon – Venus + Lagna

## puthra\_saham (planet\_positions,night\_time\_birth=False):

# 13 Putra Children Jupiter – Moon + Lagna

## jeeva\_saham (planet\_positions,night\_time\_birth=False):

# 14 Jeeva Life Saturn – Jupiter + Lagna

## karma\_saham (planet\_positions,night\_time\_birth=False):

# 15 Karma Action (work) Mars – Mercury + Lagna

## roga\_saham (planet\_positions,night\_time\_birth=False):

# 16 Roga Disease Lagna – Moon + Lagna (Same for night/day)

## roga\_sagam\_1(planet\_positions,night\_time\_birth=False):

# 16 Roga Disease - Another Version - Saturn – Moon + Lagna

## kali\_saham (planet\_positions,night\_time\_birth=False):

# 17 Kali Great misfortune Jupiter – Mars + Lagna

## sastra\_saham (planet\_positions,night\_time\_birth=False):

# 18 Sastra Sciences Jupiter – Saturn + Mercury

## bandhu\_saham (planet\_positions,night\_time\_birth=False):

# 19 Bandhu Relatives Mercury – Moon + Lagna

## mrithyu\_saham (planet\_positions):

# 20 Mrityu Death 8th house – Moon + Lagna (same for day & night)

## paradesa\_saham (planet\_positions,night\_time\_birth=False):

# 21 Paradesa Foreign countries 9th house – 9th lord + Lagna (same for day & night)

## artha\_saham (planet\_positions,night\_time\_birth=False):

# 22 Artha Money 2nd house – 2nd lord + Lagna (same for day & night)

## paradara\_saham (planet\_positions,night\_time\_birth=False):

# 23 Paradara Adultery Venus – Sun + Lagna

## vanika\_saham (planet\_positions,night\_time\_birth=False):

# 24 Vanik Commerce Moon – Mercury + Lagna

## karyasiddhi\_saham (planet\_positions,night\_time\_birth=False):

# 25 Karyasiddhi Success in endeavours Saturn – Sun + Lord of sunsign (Night: Saturn – Moon + Lord of Moonsign)

## vivaha\_saham (planet\_positions,night\_time\_birth=False):

# 26 Vivaha Marriage Venus – Saturn + Lagna

## santapa\_saham (planet\_positions,night\_time\_birth=False):

# 27 Santapa Sadness Saturn – Moon + 6th house

## sraddha\_saham (planet\_positions,night\_time\_birth=False):

# 28 Sraddha Devotion/sincerity Venus – Mars + Lagna

## preethi\_saham (planet\_positions,night\_time\_birth=False):

# 29 Preeti Love/attachment SastraSaham – PunyaSaham + Lagna

## jadya\_saham (planet\_positions,night\_time\_birth=False):

# 30 Jadya Chronic disease Mars – Saturn + Mercury

## vyaapaara\_saham (planet\_positions):

# 31 Vyapara Business Mars – Saturn + Lagna (same for day & night)

## sathru\_saham (planet\_positions,night\_time\_birth=False):

# 32 Satru Enemy Mars – Saturn + Lagna

## jalapatna\_saham (planet\_positions,night\_time\_birth=False):

# 33 Jalapatana Crossing an ocean Cancer 15º– Saturn + Lagna

## bandhana\_saham (planet\_positions,night\_time\_birth=False):

# 34 Bandhana Imprisonment PunyaSaham – Saturn + Lagna

## apamrithyu\_saham (planet\_positions,night\_time\_birth=False):

# 35 Apamrityu Bad death 8th house – Mars + Lagna

## laabha\_saham (planet\_positions,night\_time\_birth=False):

# 36 Labha Material gains 11th house – 11th lord + Lagna (same for day & night)