

The Structure of Hexagrams

Part III

卦
Trigrams

The Genesis of the Trigrams

Undifferentiated Oneness

- 無極

The Dào

道

Wú Jí = without beginning, nothingness, or no-thing-ness (primal state of universe)

1st Differentiation - Polarization into

Yīn & Yáng

陰陽

- 太極 Tàì Jí = the great polarization
- the Dao (1) polarizes into Yin & Yang, to create Heaven & Earth; i.e. 2 & 3

2nd Differentiation - Bifurcation

Tài & Shào

太少

- Yin & Yang interact to create the Four Divisions/Stages/Seasons Sì Xiàng 四像
- symbolized by the Bigrams/Digrams (tai & shao yin & yang) and the #'s 6-7-8-9

3rd Differentiation - Trilogy

Tiān, Dì, Rén

天地人

- the three Realms Heaven, Earth and Human
- graphically represented by the trigrams
- thus engendering the 8 Archetypes (Ba Gua) and their directions (space)

Genesis of the Trigrams (cont.)

The 4th-5th & 6th Differentiations = Manifestation-Multiplication & Evolution

- the trigrams combine to form the 64 Hexagrams
- which represent the manifestation of all things in time and space
- all processes (time) and events
- as well as the 10,000 or the myriad things **Wàn Wù** 萬物

* **'Trigram'** is first used in English by Alexander Wylie in 1867,
apparently picked up from the Frenchman Visdelou's 'Notice' of 1728.
In Chinese, trigrams are known as ba-gua (8 gua),
while hexagrams are called liu-shi-si-gua (64 gua).

** Although it is easy to visualize a hexagram as being composed of two trigrams, and indeed this is how we 'look them up', many scholars think that historically hexagrams preceded trigrams.

Individual Trigram Lines Symbolize

- Top line = Heaven/Celestial Tiān 天
- Middle = Human Rén 人
- Bottom = Earth/Terrestrial Dì 地

Trigrams expanded into a Hexagram (A)

Template A

amplification or resonance:

assistance from within same realm

6 **Heaven**

upper Tian/heaven

5 *Human*

upper Ren/human

4 Earth

upper Di/earth

3 **Heaven**

lower Tian/heaven

2 *Human*

lower Ren/human

1 Earth

lower Di/earth

Trigrams expanded into a Hexagram (B)

Template B

sublimation & transcendence:
assistance from an-other realm

6	Heaven	Tian (yin aspect)	= moon/dark
5	Heaven	Tian (yang aspect)	= sun/light
4	<i>Human</i> (4-1=human relationship to Di-yang)	Ren (yin aspect)	= female/feminine = female & dry land
3	<i>Human</i> (3-6=human relationship to Tian-yin)	Ren (yang aspect)	= male/masculine = male & moon
2	Earth (2-5=sublimation: Earth-yin to Sky-yang)	Di (yin aspect)	= water/wet = water & sun
1	Earth	Di (yang aspect)	= land/dry

Alternative Symbols for the Trigrams

** from Lama Govinda:*

*These are handy shorthand for the line graphs,
especially useful when working with circular arrangements of trigrams.*

<u>Trigram</u>	<u>Simple Symbol</u>	<u>Image/Name</u>
• ☰	○ circle	= Heaven/Qián
• ☷	□ square	= Earth/Kūn
• ☲	△ up triangle	= Fire/Lí
• ☵	▽ down triangle	= Water/Kǎn

Alternative Symbols for the Trigrams (cont.)

<u>Trigram</u>	<u>Simple Symbol</u>	<u>Image/Name</u>
• ☳	∪ bowl	= Thunder/Zhèn
• ☶	∩ dome	= Mountain/Gèn
• ☵	∨ cup/mouth	= Lake/Duì
• ☴	∧ picnic table/legs	= Wind/Xùn

Trigram Names Explained

- It might well be argued that the trigram names should not be translated, but simply regarded as ‘names’.
- The **8th Wing** 說卦 Shuō Guà ‘Speaking of/on/about Trigrams’ is the *locus classicus*, wherein the following equations are made.
- 乾 **Qián** is like 健 **jiàn** = strong, healthy, stout
- 坤 **Kūn** is like 順 **shùn** = compliant, obedient, yielding
- 震 **Zhèn** is like 動 **dòng** = mobile; move, motion, movement; stir, shake, take action, act; start, initiate
- 巽 **Xùn** is like 入 **rù** = entering/penetrating; enter, go into
- 坎 **Kǎn** is like 陷 **xiàn** = sinking/sunken; fall into
- 離 **Lí** is like 麗 **lì** = bright & beautiful; nice looking, handsome; splendid, magnificently ornamented
(modern scholarship suggests Lí might be a bird, most likely an oriole)
- 艮 **Gèn** is like 滯 **zhì** = stationary; not moving, stagnant, stubborn
- 兌 **Duì** is like 悅 **yuè** = pleasing (to the senses), pleased, delighted, gratified

Directional Characteristics of the Trigrams

- Useful for determining the interactions between trigrams

- **Qián-Zhèn-Lí-Duì** move **upward**/forward/outward
↑ (bottom line is yang)

- **Kūn-Xùn-Kǎn-Gèn** move **downward**/backward/inward
↓ (bottom line is yin)

Directional Characteristics (cont.)

- Examine the **two** or four trigrams in your hexagram: (**LP**-[LN-UN]-**UP**)
(P = primary trigram)(N = nuclear see upcoming slide)(L=lower, U=upper)
and observe their potential for interaction.
- ***more upward tending trigrams indicates:***
an outward act is called for do something in the world - proceed
- ***more downward tendencies indicates:***
an inward act is called for such as work on your character
- or more preparation is needed
- ***if up and down are equal:*** work on relationships

Directional Characteristics (cont.)

*** General Interpretation of the two trigrams interacting:**

- **↑ 1. Rising** both going up together = moving forward, advancing, proceeding
- **↑**

- **↓ 2. Sinking** both moving down together = retreat, pulling or pushed back, stuck
- **↓**



- ↓ **3. Meeting/Joining** in the center = interacting with one another, joining forces
- ↑ sticking together, productive alliances
(could also mean butting heads, conflicting) (see H: 11 & 63)

- ↑ **4. Diverging** pulling apart = separating from one another, not relating
- ↓ unproductive (see H: 12 & 64)

Trigrams Related to Body Parts

•	<u>Trigram</u>	<u>Name</u>	<u>Body Part</u>	<u>Sense</u>
•	☰	Qián	Head	mind - intellect
•	☷	Kūn	Belly/Womb	fertility/fecundity
•	☲	Lí	Eyes	vision
•	☳	Kǎn	Ears	hearing
•	☵	Zhèn	Feet/toes	locomotion - kinesthetic sense
•	☶	Gèn	Hands	touch
•	☴	Duì	Mouth	taste & speech (Sp / Ht)
•	☴	Xùn	Thigh/Legs	smell (odors wafting on the wind/breeze)

Family Relations and Trigram Associations

- The trigrams are often associated with and referred to as members of a family.
- Family relations are especially important in Confucian thought and interpretation.

- Yin = **female** *members*

- All yin = mother

Thus: ☷ Kūn = Mom

Yang = **male** *members*

All yang = father

☰ Qián = Dad

Family Relations (cont.)

The Six Children: 六子卦 Liù Zǐ Guà

3 daughters & 3 sons

- | | | | | |
|-----|------|----------------------------|---------------------|------------------------------------|
| • ☰ | Zhèn | = eldest son | 1st son | <i>yang in the first position</i> |
| • ☷ | Xùn | = eldest daughter | 1st daughter | <i>yin in the first position</i> |
| • ☱ | Kǎn | = middle son | 2nd son | <i>yang in the second position</i> |
| • ☶ | Lí | = middle daughter | 2nd daughter | <i>yin in the second position</i> |
| • ☳ | Gèn | = youngest son | 3rd son | <i>yang in the third position</i> |
| • ☴ | Duì | = youngest daughter | 3rd daughter | <i>yin in the third position</i> |

Trigram Arrangements

Xían Tíán & Hóu Tíán

Former & Latter Heaven

These two arrangements of trigrams derive from the 8th Wíng (Shuó Gua)

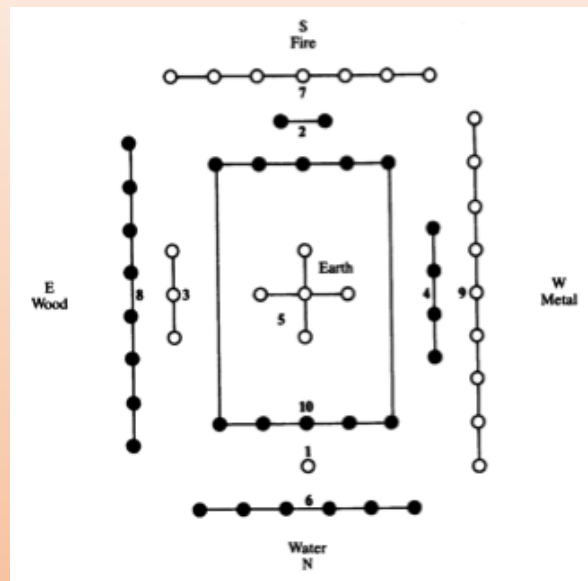
河圖 *Hé Tú* ≈ [Yellow] River Map *attributed to Fu Xí (~2800 BCE)*

4 Directions + Center = 5

open circles=bright/light=yang: odd #'s=25

filled in=dark=yin: even #'s=30

1 yin & 1 yang in each direction = 10 #'s=55



洛書 *Luò Shū* = *Luo [River] Writing* *attributed to Da Yu (~2200 BCE)*

8 Directions + Center = 9

Water=1

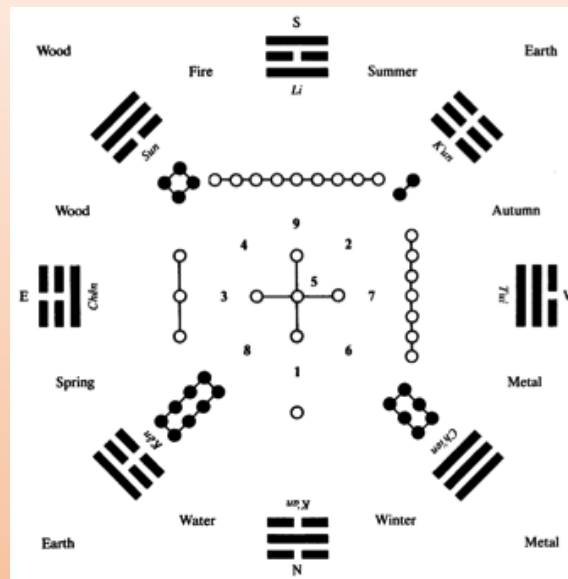
Fire=9

Wood=7 (3+4)

Metal=13 (6+7)

Earth=10 (2+8)

all opposite pairs add up to 10
= 40 + center 5 = 45



八卦 Bā Guà - *Xián Tiān* / *Former Heaven* (Fu Xi)

4 upper L all have a yang line on bottom





4 lower R all have a yin line on bottom

八卦 Bā Guà
Hou Tían / Latter Heaven (Kíng Wén)



I. The Former Heaven Arrangement

Xiān Tiān 先天

- The Former Heaven Arrangement attributed to 伏羲 Fū Xī circa 2800 BCE
- arranges the trigrams in pairs of opposites at either end of an axis
- The axes represent the dynamic tension and balancing of Y/Y.
- I. **Qián & Kūn** are paired along the South–North axis
4 cardinals create a diamond  &/or a plus + (4 points)
- II. **Lí & Kǎn** are paired along the East–West axis
- III. **Zhèn & Xùn** are paired along the NE–SW axis
4 corners create a square  &/or an X (connecting the corners)
- IV. **Duì & Gèn** are paired along the SE–NW axis

Former Heaven (cont.)

Arranged in a circle: with Qián in the **South at the Top**

- The trigrams follow a ***counter-clockwise rotation*** from South to NE
- 1= Qián (S) 2 = Duì (SE) 3 = Lí (E) 4 = Zhèn (NE)
- run diagonally up and across the circle to Xùn in the SW
- then follow a ***clockwise rotation*** to the North pole at the bottom of the circle
- 5 = Xùn (SW) 6 = Kǎn (W) 7 = Gèn (NW) 8 = Kūn (N)

II. The Latter Heaven Arrangement

Hòu Tiān 後天

This arrangement is attributed to 文王 Wén Wáng (King Wen) circa 1100 BCE.
Begin in the East with Zhèn and follow a clockwise rotation:

(SE)	(S)	(SW)
☰	☷	☷
Xùn	Lí	Kūn
(E)	*	(W)
☳		☶
Zhèn		Dùi
(NE)	(N)	(NW)
☴	☰	☶
Gèn	Kǎn	Qián

Latter Heaven (cont.)

- The numbers associated with the trigrams also differ from the FHA.

Xùn	Lí	Kūn
(4)	(9)	(2)
Zhèn	change	Duì
(3)	(5)	(7)
Gèn	Kǎn	Qián
(8)	(1)	(6)

Latter Heaven (cont.)

4	9	2
3	5	7
8	1	6

- * Notice all columns, rows and diagonals add up to 15
- this arrangement is a “magic” square of 15 (十五 shí wǔ)
- * Notice too the pattern of odd & **even** numbers. (axial vs. corners)

Latter Heaven (cont.)

- This is first presented as the Luo Shu – Luo River Writing
- which is attributed to Da Yu (the Great Yu) circa 2200 BCE.
- King Wen based his arrangement of the trigrams on the numerology from this diagram.
- Notice that his arrangement becomes the 5 Element pentagram as used in Chinese medicine. (sheng cycle)

Latter Heaven - Hòu Tiān 後天

- also known as the Later Heaven Sequence, it represents the world of time and space/form
- It is the World of the Senses - Phenomena - Manifestation
- Being related to the senses it is observable and apparent
- its nature is material form - the produce of creation
- it refers to the tangible “real” world we live in
- It describes Temporal Order - which is characterized by cyclic change and what we often refer to as linear time (hence ‘temporal arrangement’)
- But in the bigger picture it is understood to be cyclic
- cycles of birth and death constitute life on earth and in the universe, from people to stars
- People are born - interactions between people occur, as well as between people and the environment.
- The nature of time is change, without change time does not exist and time is in fact how we measure change
- Events are born and have a life and die, just as all biological life does
- Society is established - institutions are created
- the institution of the family is fundamental to both individuals and society
- Thus we can find the family reflected in the archetypes of the trigrams

Former Heaven - Xiān Tiān 先天

- also known as Earlier Heaven - Before the World Sequence - the Primal Arrangement
- The Cosmic Order – It is the World of Thought - Idea - Mind
- It represents the prototypical pattern of the universe
- analogous to gravitational force and electromagnetic fields
- its nature is mathematical
- It is the blueprint behind all events, but is beyond discernment by the senses
- It describes the universal creative force - the Way of Heaven (天道 Tiān Dào) vs. 地道 Dì Dào, the Dao of Earth
- the spirit inside all things
- the influence behind all action
- It represents the level of aspiration and motive on a cosmological scale
- idea precedes action
- Its principle is complimentary, polarity (yin yang) characterized by polar change
- and the laws of reversal
- Use the FH hexagram to look behind the scene of temporal events - into the Dao

Gender in Trigrams

- **Male & Female Trigrams** (yet another way to understand/interpret yin & yang)
- In **Former Heaven** the nature of the bottom line determines the gender of the trigram.

• Qián Duì Lí Zhèn are **male**
☰ ☱ ☲ ☳

• Kūn Gèn Kǎn Xùn are **female**
☷ ☶ ☵ ☴

Gender (cont.)

- In **Latter Heaven** gender is determined by the single yin or yang line of the trigram
- Its position in the trigram denotes its relative age or family position
- Thus the bottom line represents the 1st or eldest
- The top line represents the 3rd or youngest

• Qián Zhèn Kǎn Gèn are *male*



• Kūn Xùn Lí Duì are *female*



Gender (cont.)

- In LH the trigrams are often referred to as members of a family.
- Family relations are very important in Confucian thought an interpretation.
- Mom & Dad = Kūn & Qián
- eldest (son & daughter) = Zhèn & Xùn
- middle (son & daughter) = Kǎn & Lí
- youngest (son & daughter) = Gèn & Duì
- in **LH** } think of gender as **male & female**
- in **FH** } however, think of gender as **masculine & feminine**

Structural Relations Among Trigrams

- **4 Symmetrical Trigrams:** Qián & Kūn ☰ ☷
- (same when inverted)
- Kǎn & Lí ☵ ☲
- **4 Asymmetrical Trigrams:** Zhèn & Xùn ☳ ☴
- (change when inverted)
- Gèn & Duì ☶ ☱

Trigram Structure (cont.)

- *Compare the paired trigrams in the A & B columns:*

- **Paired as Opposites:**

Qián & Kūn

A

B

☰

☷

Kǎn & Lí

☵

☲

Zhèn & Xùn

☴

☱

Gèn & Duì

☶

☴

- **(3 lines different)**

[LH gender opposites, but same sibling order]

Trigram Structure (cont.)

- **Paired as Inverses:** (symmetrical trigrams stay themselves, only asymmetrical pairs are shown below)

Zhèn & Gèn ☰ ☷

Xùn & Duì ☱ ☲

- **(2 lines different)** (top & bottom lines switch, middle line stays the same)
- [LH gender stays same, siblings paired as eldest & youngest]

Trigram Structure (cont.)

- **Paired as Converses:**

Zhèn & Duì



Xùn & Gèn



Qián & Lí



Kūn & Kǎn



- **(1 line different)** (middle line changes, top & bottom stay the same)
- [LH gender switches, asymmetrical trigrams are paired eldest & youngest]

Trigram Interactions According to 5 Phase Dynamics

- In the Latter Heaven arrangement (world as we know it), 5 Element correlations are virtually imbedded possible.
- By extension using 5 phase dynamics to interpret trigram interactions within a hexagram becomes a very simple way to use the Yi Jing for medical purposes.

5 Phase Correspondences:

Correlating Trigrams and Phase/Elements

Zhèn & Xùn	=	Wood	(E & SE)	Zhèn = yang wood (GB) Xùn = yin wood (Lr)
Lí	=	Fire	(S)	Lí is pure Fire (Ht & SI, Pc & TB)
Kūn & Gèn	=	Earth/Soil	(NE & SW)	Kūn = yin soil (Sp) Gèn = yang soil (ST)
Qián & Duì	=	Metal	(W & NW)	Qián = yang metal (LI) Duì = yin metal (Lu)
Kǎn	=	Water	(N)	Kǎn is pure Water (Kd & BL)

5 Phase Dynamics:

Phase/Element Interactions

1. CL circle = 生 **Shēng** = **productive**, nurturing, creative relationship
2. CL star = 剋 **Kè** = **controlling**, restraining, limiting, destructive relationship
3. CCL star = **Reverse Ke** = **insulting**, ineffective, dis-empowering, shaming relations
4. CCL circle = **Reverse Sheng** = **exhausting**, depleting, demanding, draining relationship
5. *within the same phase* = **reinforcing**, mutually supportive, strengthening, highly collaborative relations

5 Phase Dynamics:

Interpreting a Hexagram Using this Method:

- Interpret a lower trigram as influencing an upper one
- **Two Trigram Approach:** read the lower primary trigram relating to the upper primary trigram
(Primary Trigram Approach)
- Nuclear Trigram Approach: read the lower nuclear trigram relating to the upper nuclear trigram
- **Four Trigram Approach:** interpret all four (inner & outer gua) from bottom to top

Trigram Attributes: Healthy & Unhealthy Manifestations

- Positive and negative, healthy and unhealthy aspects of each Trigram. Each has a noble (jun-zi) side and an inferior aspect, or shadow side.

☰ 乾 Qián

- **Healthy** = strong, creative, powerful, inspirational, decisive, resourceful
- **Unhealthy** = forceful, overbearing, authoritarian, arbitrary, rigid

☷ 坤 Kūn

- **Healthy** = devoted, adaptable, flexible, receptive, responsive, yielding, nourishing
- **Unhealthy** = mothering to a fault, meek, lost sense of self, overly dependent, lack of autonomy

Trigram Attributes: Healthy & Unhealthy Manifestations

☲ 離 Lí

- **Healthy** = clarity, understanding, intelligence, beauty, elegance, cohesion
- **Unhealthy** = superficial, shallow intellectualism, vain, over concern with appearances, clingy

☵ 坎 Kǎn

- **Healthy** = willing to take risks, face danger, go with the flow, flow with change, accept ambiguity and the mysteries of life, committed
- **Unhealthy** = careless, superstitious, fearful, succumbing to ones fears, easily overwhelmed

Trigram Attributes: Healthy & Unhealthy Presentations

☳ 震 Zhèn

Healthy = the ability to act & arouse to action, the enthusiasm of new beginnings, freshness, ability to motivate excite, initiate

Unhealthy = zealous, impetuous, impulsive, prone to mistakes (bull in china shop), extroverted to a fault, can be violent or shocking, inability to follow through, insufficient understanding of ones motives and actions.

☶ 艮 Gèn

• **Healthy** = solid, stable, steadfast, enduring, secure, calm, ability to concentrate, patient, exercises forethought & restraint

• **Unhealthy** = can be stubborn, passive, withdrawn, introverted to a fault

Trigram Attributes: Healthy & Unhealthy Presentations

☱ 兌 Duì

- **Healthy:** = pleasure & enjoyment, buoyant, ebullient, sensual, eloquent, open, tranquil
- **Unhealthy:** = self indulgent, over indulgent esp. in sensual pleasures, decadent, hedonistic

☵ 巽 Xùn/Sùn

- **Healthy:** = gentle, sensitive, intuitive, simple, honest & straightforward, respectful, reverential, sincere, real, ability to follow, or accept another's leadership
- **Unhealthy:** = submissive, sheep like follower, addictive, slave to one's conditioning and illusions

Trigrams – *Primary & Secondary Associations*

Graph	Pin-Yin (Wade-Giles)	natural Image	Attribute Wilhelm/Baynes ^{w/b}	F. Heaven # / compass	L. Heaven # / compass	Phase/ Element	Body Part	Family Member
☰	乾 Qián (Ch'ien)	Heaven	Creative ^{w/b} (Energy/Energetic)	1 / South	6 / NW	Metal (yang)	head	Father
☱	兌 Duì (Tui)	Lake	Joyous ^{w/b} (Open-ness)	2 / SE	7 / West	Metal (yin)	mouth	3rd/ youngest daughter
☲	離 Lí (Li)	Fire	Clinging ^{w/b} (Brilliance)	3 / East	9 / South	Fire (yang)	eyes	2nd/middle daughter
☳	震 Zhèn (Chen)	Thunder	Arousing ^{w/b} (Sprouting)	4 / NE	3 / East	Wood (yang)	feet/toes	1st/eldest son
☴	巽 Xùn (Sun)	Wind	Gentle- Penetrating ^{w/b} (Rooting)	5 / SW	4 / SE	Wood (yin)	legs/thighs (vagina)	1st/eldest daughter
☵	坎 Kǎn (K'an)	Water	Abyss ^{w/b} Danger (Darkness)	6 / West	1 / North	Water (yin)	ears	2nd/middle son
☶	艮 Gèn (Ken)	Mountain	Keeping- Still ^{w/b} (Boundaries)	7 / NW	8 / NE	Soil (yang)	hands	3rd/ youngest son
☷	坤 Kūn (K'un)	Earth	Receptive ^{w/b} (Space, Quietude)	8 / North	2 / SW	Soil (yin)	abdomen (uterus)	Mother

The 16 Occurrences of Each Trigram

- Each trigram occurs 16x (15 hexagrams). In one hexagram it will occur twice.
- The first/top # is the hexagram in which the trigram is doubled.
- The numbers in the column are in order of occurrence.
- On the Left side of the midline are the 4 **symmetrical** trigrams (*same when inverted*)
- these hexagrams pair up vertically. (Their 2-Trigram hexagrams are all in Upper Canon)
- On the Right side of the midline are the 4 **asymmetrical** trigrams (*change when inverted*)
- these hexagrams pair up horizontally. (Their 2-Trigram hexagrams are all in Lower Canon)

16 Occurrences of Each Trigram (Table)

highlight = Nuclear hexagrams / #'s below are the number of occurrences in Upper & Lower Canons

UC = 12 12 8 6 9 9 4 4
 LC = 4 4 8 10 7 7 12 12

☰	☷	☵	☲
乾	坤	坎	離
Qián	Kūn	Kǎn	Lí
Heaven	Earth	Water	Fire
1	2	29	30
5	7	3	13
6	8	4	14
9	11	5	21
10	12	6	22
11	15	7	35
12	16	8	36
13	19	39	37
14	20	40	38
25	23	47	49
26	24	48	50
33	35	59	55
34	36	60	56
43	45	63	63
44	46	64	64

☳	☴	☱	☶
震	艮	巽	兌
Zhèn	Gèn	Xùn	Duì
Thunder	Mt	Wind	Lake
51	52	57	58
3	4	9	10
16	15	18	17
17	18	20	19
21	22	28	27
24	23	32	31
25	26	37	38
27	28	42	41
32	31	44	43
34	33	46	45
40	39	48	47
42	41	50	49
54	53	53	54
55	56	59	60
62	62	61	61

互卦 Hù Guà Nuclear Trigrams & Hexagrams

- 互 Hù = each other, one another; mutual or reciprocal, literally Interlocking Hexagrams,
- They are almost universally referred to as Nuclear Hexagrams (probably due to the influence of Wilhlem's book)
- * Huang calls them Mutual Gua
- * Also referred to as Hu Ti = 'Overlapping System' (see Lynn p. 43-44 n39)
- The Hu Gua tradition seems to originate in the middle Han dynasty usually attributed to either Jing Fang (77–37 BCE), or Fei Zhi (50 BCE–10 CE)
- Nuclear, in part because it is composed of the core Lines 2-3-4-5 of the Original hexagram.
- Nuclear too, because the nuclear hexagram informs us about the heart of the time
- the core of the situation described in the original hexagram (本卦 Běn Guà)
- the subtle, inner workings of the hexagram/situation.

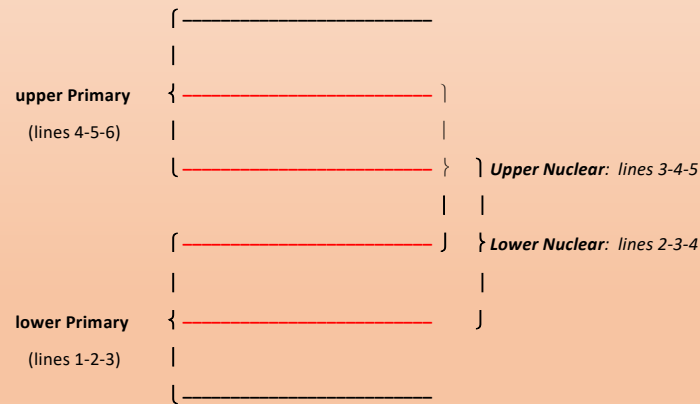
Nuclear Guà (cont.)

- The Nuclear gua speak of the subjective aspects of the situation
 - the personal and human perspective on events
 - what is felt, or thought about them (heart & mind pairs of lines)
-
- Nuclears' can elucidate the internal/hidden or subconscious motives involved,
 - the personal feelings or response to the time and events.
 - The meaning and implications of the time for people involved in the situation.
 - Aspects that are vitally important, but often ignored or misunderstood.
-
- Forming a Nuclear hexagram is like using a magnifying glass to examine the time/events,
 - to get a close-up view, or an inside perspective on the situation.

Nuclear Guà (cont.)

How to Construct the Hù Guà / Nuclear Hexagram

- The four inner lines of a hexagram (Lines 2–5) are extracted and expanded to form a new hexagram.
- This new hexagram is usually referred to as the Nuclear Hexagram.
- Any hexagram can be seen as comprised of four trigrams:
- 2 **Outer** trigrams lines 1-2-3 & 4-5-6 called: lower & upper **primary** trigrams
- 2 **Inner** trigrams lines 2-3-4 & 3-4-5 called: lower & upper **nuclear** trigrams



Nuclear Guà (cont.)

- The two inner trigrams are combined to make the Nuclear Hexagram.
 - the top and bottom (lines 1 & 6) of the original hexagram drop away
 - the four inner lines expand to fill the six positions
 - lines 3 & 4 are repeated in the center
 - lines 2 & 5 move to the edges
- Thus the heart and mind line pairs of the original hexagram form the new hexagram
 - while the environmental pair fade from view.
 - This is a purely subjective look at the Time.
- The conspicuous transition between the upper and lower primary trigrams is now seen as a more complex and subtle transition with an intricate interplay of heart and mind.

Interpreting the Multiple Gua within a Hexagram

- **There are 2 hexagrams in every Hexagram** = the Original & the Nuclear – referred to as Outer & Inner Hexagrams.
- **There are 4 trigrams in every Hexagram** = the 2 Primary & the 2 Nuclear trigrams – referred to as Outer & Inner Trigrams.
- The 外 **Outer/Wài Guà** speak about the nature of the situation
- the time you are in and the context in which it is occurring
- it refers to real time and external events
- their form is more visible, so when interpreting **use the natural images**.
- The 內 **Inner/Nèi Guà** speak about the subjective processes at work in the situation
- the meaning and implications of the time for the persons involved
- the internal thoughts, feelings, drives, motivations behind events
- or the personal response to those events
- these things have no external form - rather they are qualities,
- so **use the trigram attributes** when interpreting.

There are 16 Nuclear Hexagrams The Heart of the Yí

8 pairs: three from the upper canon, and five from the lower canon.

- 1-2 23-24 27-28 // 37-38 39-40 43-44 53-54 63-64
- Each of the 64 hexagrams has an inner/nuclear hexagram
- Actually four hexagrams share the same inner hexagram
- so four hexagrams will reduce to one nuclear
- those four hexagrams will share the same 4 middle lines (remember lines 1 & 6 are dropped)
- Thus there are just 16 nuclear hexagrams altogether
- The **middle four lines are the same** in four different hexagrams
- with only four possible combinations of yin & yang lines in the top and bottom positions
- a. top & bottom yang c. top yang/bottom yin
- b. top & bottom yin d. top yin/bottom yang

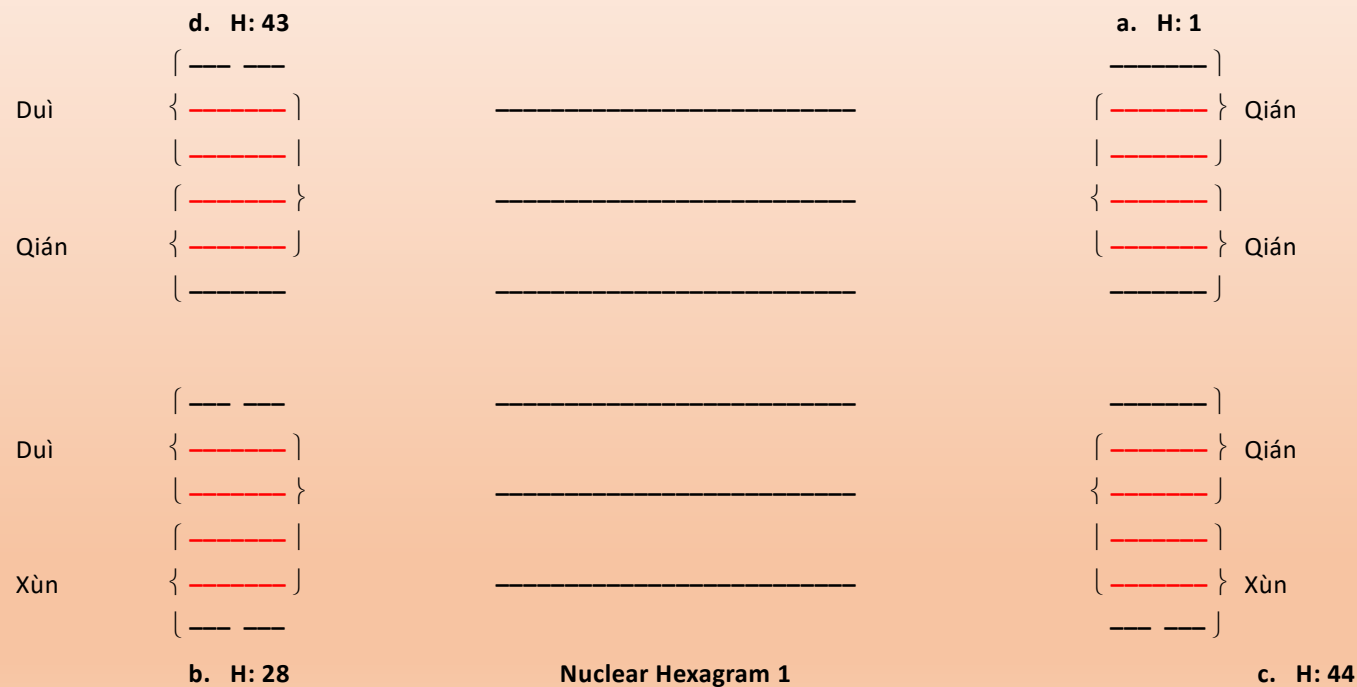
Example: Hexagrams 1-28-43-44 all have four yang lines in their center

- yang lines in positions 2-3-4-5
- thus when extracted and expanded, all four become Nuclear Hexagram 1

16 Nuclear Hexagrams (cont.)

- *They also have trigrams in common:*
- **28 & 44** share **Xùn** as the lower trigram *horizontal*
- **1 & 43** share **Qián** as the lower trigram *horizontal*
- **1 & 44** share **Qián** as the upper trigram *vertical*
- **28 & 43** share **Duì** as the upper trigram *vertical*

16 Nuclear Hexagrams (cont.)



互卦 Hù Guà = Nuclear Hexagrams Table

64 Hexagrams <small>(each set of four reduce to one Nuclear)</small>	16 Nuclear Hexagrams <small>(each Nuclear will in turn reduce to one Core Nuclear)</small>	4 Core Nuclears <small>(there are only four Core Nuclear Hexagrams)</small>
1-28-43-44	Hex. 1	1
2-23-24-27	Hex. 2	2
3-8-20-42	Hex. 23	2
4-7-19-41	Hex. 24	2
29-59-60-61	Hex. 27	2
30-55-56-62	Hex. 28	1
6-10-47-58	Hex. 37	64
5-9-48-57	Hex. 38	63
16-21-35-51	Hex. 39	64
15-22-36-52	Hex. 40	63
14-32-34-50	Hex. 43	1
13-31-33-49	Hex. 44	1
12-17-25-45	Hex. 53	64
11-18-26-46	Hex. 54	63
38-40-54-64	Hex. 63	64
37-39-53-63	Hex. 64	63

The Core Nuclear

(Nuclear of the Nuclear)

- **The heart of the heart** - the essence of the time
- like looking at the situation through a microscope.
- if one extracts the Nuclear of the 16 nuclear hexagrams, they reduce to 4 core nuclears.
- **These four hexagrams, very interestingly are: Hex. 1, 2 & 63, 64**
- Hex. 1 is the core of nuclears 1 28 43 44
- Hex. 2 is the core of nuclears 2 27 23 24
- Hex. 63 is the core of nuclears 38 40 54 64
- Hex. 64 is the core of nuclears 37 39 53 63
- **Hex 1 & 2 represent origins - the beginnings of things, time, hexagrams**
- **Hex 63 & 64 represent endings - completion - outcomes - conclusions**

The Core Nuclear (cont.)

- Thus half of all hexagrams return to their origins - roots
- Times whose ***essence is embodied in their beginnings***
- enfolding processes
- The other half move forward toward fruition and completion
- Times whose ***essence is embodied in their endings***
- unfolding processes

The Core Nuclear (cont.)

- Of course unfolding never ends and we see this reflected specifically in hexagrams 63 & 64
63 = After the Crossing is Complete & 64 = Before the Crossing is Complete
- **Hex. 63 & 64 continuously change** into one another
- oscillating back and forth
- between completion and incompleteness indefinitely
- each conclusion implies a new beginning
- into a future that is never ending - forever unfolding
- **Hex. 1 & 2, by contrast, stabilize** and remain themselves forever

The Core Nuclear (cont.)

- Thus, we find that 16 hexagrams resolve into one of these four hexagrams, that curiously enough begin and end the sequence of 64 that represent all Times.
- These four possibilities are analogs to the 4 Emblematic Digrams: Tai & Shao Yin & Yang
- **H:1 = Tai Yang** **H:2 = Tai Yin** **H:63 = Shao Yang** **H:64 = Shao Yin**
- (yang over yang) (yin over yin) (yin over yang) (yang over yin)
- (Qian over Qian) (Kun over Kun) (Kan over Li) (Li over Kan)
- This is true looking at any/all of their 3 pairs of lines
- *analogous hexagrams:*
 none: 1&2 are unique
- H:11 Kūn/Qián H:12 Qián/Kūn
 (yin over yang) (yang over yin)

Core Nuclear's (cont.)

- Hex. 1 & 2 represent Heaven & Earth, the origins of all things & processes
- They are the graphic manifestations of yin and yang.
- The archetypal manifestation of yang in the world is **fire**.
- The archetypal manifestation of yin in the world is **water**.

- Hex. 63 & 64 represent the actual (vs. archetypal) interactions of Fire & Water in the world, which is ongoing.

Core Nuclear's (cont.)

More specifically:

- Those 16 that share **Hex: 1** as their essence can be thought of as returning to their **original idea, or conception**.
1-13-14-28-30 // 31-32-33-34-43-44-49-50-55-56-62
- Those 16 that share **Hex: 2** as their essence can be thought of as returning to their **original manifestation, or form**.
2-3-4-7-8-19-20-23-24-27-29 // 41-42-59-60-61
- Those 16 that share **Hex: 63** as their essence can be thought of as moving toward **fruition and completion**.
5-9-11-15-18-22-26 // 36-37-39-46-48-52-53-57-63
- Those 16 that share **Hex: 64** as their essence can be thought of as moving toward **transition and new beginnings**.
6-10-12-16-17-21-25 // 35-38-40-45-47-51-54-58-64

Trigram Symbolism within a Hexagram

Trigrams within a Hexagram represent various things ...

A.

- **Upper T.** = the **outer** gua – **external** – **in front/before** – **going, leaving** - leading - into the future

(shàng guà) (wài) (qián) (wǎng)

- **Lower T.** = the **inner** gua – **internal** – **in back/behind** – entering - **coming** - from the past

(xià guà) (nèi) (hòu) (lái)

Trigram Symbolism within a Hexagram (cont.)

B.

- **Upper T.** relates to **Cosmic Ideals & Aspirations**
- **Lower T.** relates to **Worldly Matters or Personal Affairs**
(base/survival instincts)
(smt. considered the province of the nuclear trigrams)

Trigram Symbolism within a Hexagram (cont.)

C.

- **Upper T.** = **Time** 3 Dimensions of time = past-present-future
- **Lower T.** = **Space** 3 Dimensions of space = length-width-depth/height
w/ yin & yang yields 6 directions:
 - L: front/back (anterior/posterior)
 - W: left/right (medial/lateral)
 - D: up/down (superior/inferior)
- 六合 Liù Hé = 6 closings/unions/combinations//ways/**directions**/coordinates
- 3D: 2 poles/directions
- Nán-Běi = South-North = length: forward & backward
- Dōng-Xī = East-West = width: left & right
- Tiān-Dì = Sky-Earth = height: up & down

Trigram Table 1 – Component Trigrams

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
1	☰	☰	1
2	☷	☷	2
3	☳	☳	40
4	☴	☴	39
5	☱	☱	6
6	☶	☶	5
7	☳	☷	8
8	☷	☳	7
9	☱	☴	44
10	☳	☱	43
11	☱	☷	12
12	☷	☱	11
13	☱	☶	14
14	☶	☱	13
15	☱	☴	23
16	☳	☱	24
17	☴	☱	54
18	☱	☳	53
19	☱	☷	45
20	☳	☱	46
21	☱	☶	55
22	☳	☶	56
23	☴	☱	15
24	☱	☳	16
25	☳	☱	34
26	☱	☴	33
27	☳	☳	62
28	☱	☳	61
29	☱	☱	29
30	☱	☱	30
31	☳	☱	41
32	☱	☱	42

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
33	☳	☱	26
34	☱	☳	25
35	☳	☱	36
36	☱	☴	35
37	☱	☱	50
38	☱	☱	49
39	☳	☱	4
40	☱	☳	3
41	☱	☴	31
42	☱	☱	32
43	☱	☱	10
44	☱	☱	9
45	☱	☱	19
46	☱	☱	20
47	☱	☱	60
48	☱	☱	59
49	☱	☱	38
50	☱	☱	37
51	☱	☱	51
52	☱	☱	52
53	☱	☱	18
54	☱	☱	17
55	☱	☱	21
56	☱	☱	22
57	☱	☱	57
58	☱	☱	58
59	☱	☱	48
60	☱	☱	47
61	☱	☱	28
62	☱	☱	27
63	☱	☱	64
64	☱	☱	63

Trigram Table 2 – Trigram Names (Pinyin)

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
1	Qian	Qian	1
2	Kun	Kun	2
3	Zhen	Kan	40
4	Kan	Gen	39
5	Qian	Kan	6
6	Kan	Qian	5
7	Kan	Kun	8
8	Kun	Kan	7
9	Qian	Xun	44
10	Dui	Qian	43
11	Qian	Kun	12
12	Kun	Qian	11
13	Li	Qian	14
14	Qian	Li	13
15	Gen	Kun	23
16	Kun	Zhen	24
17	Zhen	Dui	54
18	Xun	Gen	53
19	Dui	Kun	45
20	Kun	Xun	46
21	Zhen	Li	55
22	Li	Gen	56
23	Kun	Gen	15
24	Zhen	Kun	16
25	Zhen	Qian	34
26	Qian	Gen	33
27	Zhen	Gen	62
28	Xun	Dui	61
29	Kan	Kan	29
30	Li	Li	30
31	Gen	Dui	41
32	Xun	Zhen	42

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
33	Gen	Qian	26
34	Qian	Zhen	25
35	Kun	Li	36
36	Li	Kun	35
37	Li	Xun	50
38	Dui	Li	49
39	Gen	Kan	4
40	Kan	Zhen	3
41	Dui	Gen	31
42	Zhen	Xun	32
43	Qian	Dui	10
44	Xun	Qian	9
45	Kun	Dui	19
46	Xun	Kun	20
47	Kan	Dui	60
48	Xun	Kan	59
49	Li	Dui	38
50	Xun	Li	37
51	Zhen	Zhen	51
52	Gen	Gen	52
53	Gen	Xun	18
54	Dui	Zhen	17
55	Li	Zhen	21
56	Gen	Li	22
57	Xun	Xun	57
58	Dui	Dui	58
59	Kan	Xun	48
60	Dui	Kan	47
61	Dui	Xun	28
62	Gen	Zhen	27
63	Li	Kan	64
64	Kan	Li	63

Trigram Table 3 – Trigram Images

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
1	Heaven	Heaven	1
2	Earth	Earth	2
3	Thunder	Water	40
4	Water	Mountain	39
5	Heaven	Water	6
6	Water	Heaven	5
7	Water	Earth	8
8	Earth	Water	7
9	Heaven	Wind	44
10	Lake	Heaven	43
11	Heaven	Earth	12
12	Earth	Heaven	11
13	Fire	Heaven	14
14	Heaven	Fire	13
15	Mountain	Earth	23
16	Earth	Thunder	24
17	Thunder	Lake	54
18	Wind	Mountain	53
19	Lake	Earth	45
20	Earth	Wind	46
21	Thunder	Fire	55
22	Fire	Mountain	56
23	Earth	Mountain	15
24	Thunder	Earth	16
25	Thunder	Heaven	34
26	Heaven	Mountain	33
27	Thunder	Mountain	62
28	Wind	Lake	61
29	Water	Water	29
30	Fire	Fire	30
31	Mountain	Lake	41
32	Wind	Thunder	42

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
33	Mountain	Heaven	26
34	Heaven	Thunder	25
35	Earth	Fire	36
36	Fire	Earth	35
37	Fire	Wind	50
38	Lake	Fire	49
39	Mountain	Water	4
40	Water	Thunder	3
41	Lake	Mountain	31
42	Thunder	Wind	32
43	Heaven	Lake	10
44	Wind	Heaven	9
45	Earth	Lake	19
46	Wind	Earth	20
47	Water	Lake	60
48	Wind	Water	59
49	Fire	Lake	38
50	Wind	Fire	37
51	Thunder	Thunder	51
52	Mountain	Mountain	52
53	Mountain	Wind	18
54	Lake	Thunder	17
55	Fire	Thunder	21
56	Mountain	Fire	22
57	Wind	Wind	57
58	Lake	Lake	58
59	Water	Wind	48
60	Lake	Water	47
61	Lake	Wind	28
62	Mountain	Thunder	27
63	Fire	Water	64
64	Water	Fire	63

Trigram Table 4 – Binary Coded

Yang = 1

Yin = 0

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
1	111	111	1
2	000	000	2
3	100	010	40
4	010	001	39
5	111	010	6
6	010	111	5
7	010	000	8
8	000	010	7
9	111	011	44
10	110	111	43
11	111	000	12
12	000	111	11
13	101	111	14
14	111	101	13
15	001	000	23
16	000	100	24
17	100	110	54
18	011	001	53
19	110	000	45
20	000	011	46
21	100	101	55
22	101	001	56
23	000	001	15
24	100	000	16
25	100	111	34
26	111	001	33
27	100	001	62
28	011	110	61
29	010	010	29
30	101	101	30
31	001	110	41
32	011	100	42

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
33	001	111	26
34	111	100	25
35	000	101	36
36	101	000	35
37	101	011	50
38	110	101	49
39	001	010	4
40	010	100	3
41	110	001	31
42	100	011	32
43	111	110	10
44	011	111	9
45	000	110	19
46	011	000	20
47	010	110	60
48	011	010	59
49	101	110	38
50	011	101	37
51	100	100	51
52	001	001	52
53	001	011	18
54	110	100	17
55	101	100	21
56	001	101	22
57	011	011	57
58	110	110	58
59	010	011	48
60	110	010	47
61	110	011	28
62	001	100	27
63	101	010	64
64	010	101	63

Trigram Table 5 – Former Heaven #'s

1 = Qian, 2 = Dui, 3 = Li, 4 = Zhen

5 = Xun, 6 = Kan, 7 = Gen, 8 = Kun

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
1	1	1	1
2	8	8	2
3	4	6	40
4	6	7	39
5	1	6	6
6	6	1	5
7	6	8	8
8	8	6	7
9	1	5	44
10	2	1	43
11	1	8	12
12	8	1	11
13	3	1	14
14	1	3	13
15	7	8	23
16	8	4	24
17	4	2	54
18	5	7	53
19	2	8	45
20	8	5	46
21	4	3	55
22	3	7	56
23	8	7	15
24	4	8	16
25	4	1	34
26	1	7	33
27	4	7	62
28	5	2	61
29	6	6	29
30	3	3	30
31	7	2	41
32	5	4	42

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
33	7	1	26
34	1	4	25
35	8	3	36
36	3	8	35
37	3	5	50
38	2	3	49
39	7	6	4
40	6	4	3
41	2	7	31
42	4	5	32
43	1	2	10
44	5	1	9
45	8	2	19
46	5	8	20
47	6	2	60
48	5	6	59
49	3	2	38
50	5	3	37
51	4	4	51
52	7	7	52
53	7	5	18
54	2	4	17
55	3	4	21
56	7	3	22
57	5	5	57
58	2	2	58
59	6	5	48
60	2	6	47
61	2	5	28
62	7	4	27
63	3	6	64
64	6	3	63

Trigram Table 6 – Latter Heaven #'s

1 = Kan, 2 = Kun, 3 = Zhen, 4 = Xun

6 = Qian, 7 = Dui, 8 = Gen, 9 = Li

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
1	6	6	1
2	2	2	2
3	3	1	40
4	1	8	39
5	6	1	6
6	1	6	5
7	1	2	8
8	2	1	7
9	6	4	44
10	7	6	43
11	6	2	12
12	2	6	11
13	9	6	14
14	6	9	13
15	8	2	23
16	2	3	24
17	3	7	54
18	4	8	53
19	7	2	45
20	2	4	46
21	3	9	55
22	9	8	56
23	2	8	15
24	3	2	16
25	3	6	34
26	6	8	33
27	3	8	62
28	4	7	61
29	1	1	29
30	9	9	30
31	8	7	41
32	4	3	42

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
33	8	6	26
34	6	3	25
35	2	9	36
36	9	2	35
37	9	4	50
38	7	9	49
39	8	1	4
40	1	3	3
41	7	8	31
42	3	4	32
43	6	7	10
44	4	6	9
45	2	7	19
46	4	2	20
47	1	7	60
48	4	1	59
49	9	7	38
50	4	9	37
51	3	3	51
52	8	8	52
53	8	4	18
54	7	3	17
55	9	3	21
56	8	9	22
57	4	4	57
58	7	7	58
59	1	4	48
60	7	1	47
61	7	4	28
62	8	3	27
63	9	1	64
64	1	9	63

Trigram Table 7 ~Latter Heaven Direction's

N ≈ Kan, SW ≈ Kun, E ≈ Zhen, SE ≈ Xun

NW ≈ Qian, W ≈ Dui, NE ≈ Gen, S ≈ Li

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
1	NW	NW	1
2	SW	SW	2
3	E	N	40
4	N	NE	39
5	NW	N	6
6	N	NW	5
7	N	SW	8
8	SW	N	7
9	NW	SE	44
10	W	NW	43
11	NW	SW	12
12	SW	NW	11
13	S	NW	14
14	NW	S	13
15	NE	SW	23
16	SW	E	24
17	E	W	54
18	SE	NE	53
19	W	SW	45
20	SW	SE	46
21	E	S	55
22	S	NE	56
23	SW	NE	15
24	E	SW	16
25	E	NW	34
26	NW	NE	33
27	E	NE	62
28	SE	W	61
29	N	N	29
30	S	S	30
31	NE	W	41
32	SE	E	42

Hex. #	Lower Trigram	Upper Trigram	Trigram Reversal
33	NE	NW	26
34	NW	E	25
35	SW	S	36
36	S	SW	35
37	S	SE	50
38	W	S	49
39	NE	N	4
40	N	E	3
41	W	NE	31
42	E	SE	32
43	NW	W	10
44	SE	NW	9
45	SW	W	19
46	SE	SW	20
47	N	W	60
48	SE	N	59
49	S	W	38
50	SE	S	37
51	E	E	51
52	NE	NE	52
53	NE	SE	18
54	W	E	17
55	S	E	21
56	NE	S	22
57	SE	SE	57
58	W	W	58
59	N	SE	48
60	W	N	47
61	W	SE	28
62	NE	E	27
63	S	N	64
64	N	S	63

Trigram Table 8 – Former & Latter Heaven Direction's (LH is Bold)

Kan = W/N, Kun = N/SW, Zhen = NE/E, Xun = SW/SE

Qian = S/NW, Dui = SE/W, Gen = NW/NE, Li = E/S

Hex. #	Lower Trigram		Upper Trigram		Trigram Reversal
1	S	NW	S	NW	1
2	N	SW	N	SW	2
3	NE	E	W	N	40
4	W	N	NW	NE	39
5	S	NW	W	N	6
6	W	N	S	NW	5
7	W	N	N	SW	8
8	N	SW	W	N	7
9	S	NW	SW	SE	44
10	SE	W	S	NW	43
11	S	NW	N	SW	12
12	N	SW	S	NW	11
13	E	S	S	NW	14
14	S	NW	E	S	13
15	NW	NE	N	SW	23
16	N	SW	NE	E	24
17	NE	E	SE	W	54
18	SW	SE	NW	NE	53
19	SE	W	N	SW	45
20	N	SW	SW	SE	46
21	NE	E	E	S	55
22	E	S	NW	NE	56
23	N	SW	NW	NE	15
24	NE	E	N	SW	16
25	NE	E	S	NW	34
26	S	NW	NW	NE	33
27	NE	E	NW	NE	62
28	SW	SE	SE	W	61
29	W	N	W	N	29
30	E	S	E	S	30
31	NW	NE	SE	W	41
32	SW	SE	NE	E	42

Hex. #	Lower Trigram		Upper Trigram		Trigram Reversal
33	NW	NE	S	NW	26
34	S	NW	NE	E	25
35	N	SW	E	S	36
36	E	S	N	SW	35
37	E	S	SW	SE	50
38	SE	W	E	S	49
39	NW	NE	W	N	4
40	W	N	NE	E	3
41	SE	W	NW	NE	31
42	NE	E	SW	SE	32
43	S	NW	SE	W	10
44	SW	SE	S	NW	9
45	N	SW	SE	W	19
46	SW	SE	N	SW	20
47	W	N	SE	W	60
48	SW	SE	W	N	59
49	E	S	SE	W	38
50	SW	SE	E	S	37
51	NE	E	NE	E	51
52	NW	NE	NW	NE	52
53	NW	NE	SW	SE	18
54	SE	W	NE	E	17
55	E	S	NE	E	21
56	NW	NE	E	S	22
57	SW	SE	SW	SE	57
58	SE	W	SE	W	58
59	W	N	SW	SE	48
60	SE	W	W	N	47
61	SE	W	SW	SE	28
62	NW	NE	NE	E	27
63	E	S	W	N	64
64	W	N	E	S	63