



Mensionization Complementation

The Mathematics of Hermetic Alchemy

INDEX K

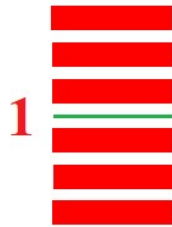
Hexagram Opposites

Logical NOT Operator for the Hexagrams

A = *King Wen Order*

$$A = [111-111]$$

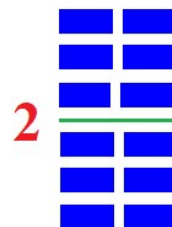
(1) *The Creative*



(NOT) A = *Opposite*

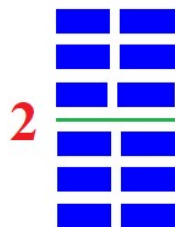
$$(NOT) A = [000-000]$$

(2) *The Receptive*



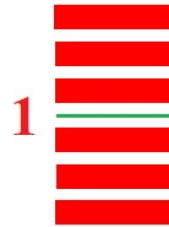
$$A = [000-000]$$

(2) *The Receptive*



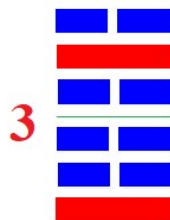
$$(NOT) A = [111-111]$$

(1) *The Creative*



$$A = [010-001]$$

(3) *Difficulty At the Beginning*

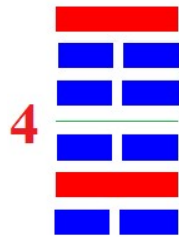


$$(NOT) A = [101-110]$$

(50) *The Caldron*



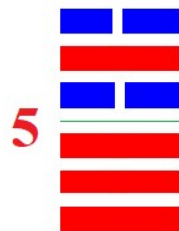
$A = [1\ 0\ 0 - 0\ 1\ 0]$
 (4) Youthful Folly



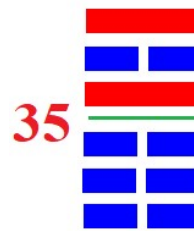
(NOT) $A = [0\ 1\ 1 - 1\ 0\ 1]$
 (49) Revolution (Molting)



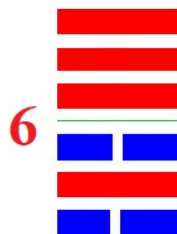
$A = [0\ 1\ 0 - 1\ 1\ 1]$
 (5) Waiting (Nourishment)



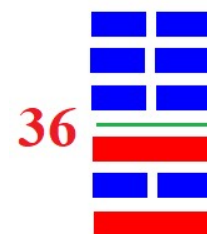
(NOT) $A = [1\ 0\ 1 - 0\ 0\ 0]$
 (35) Progress



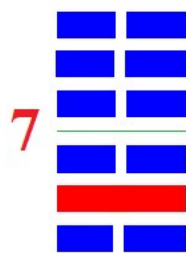
$A = [1\ 1\ 1 - 0\ 1\ 0]$
 (6) Conflict



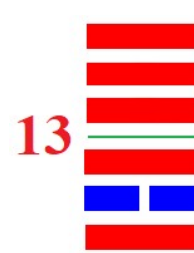
(NOT) $A = [0\ 0\ 0 - 1\ 0\ 1]$
 (36) Darkening of the Light



$A = [0\ 0\ 0 - 0\ 1\ 0]$
 (7) The Army

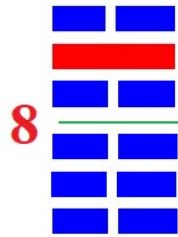


(NOT) $A = [1\ 1\ 1 - 1\ 0\ 1]$
 (13) Fellowship With Men

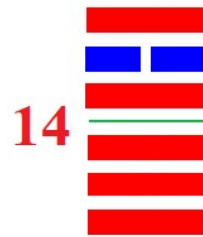


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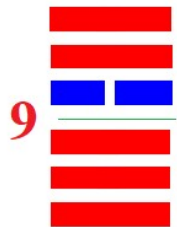
A = [0 1 0 - 0 0 0]
(8) Holding Together



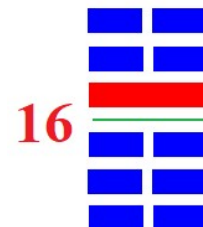
(NOT) A = [1 0 1 - 1 1 1]
(14) Possession In Great Measure



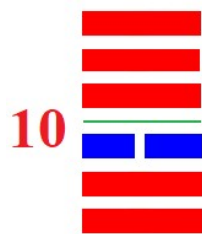
A = [1 1 0 - 1 1 1]
(9) Taming Power of the Small



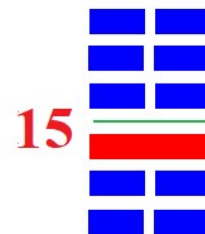
(NOT) A = [0 0 1 - 0 0 0]
(16) Enthusiasm



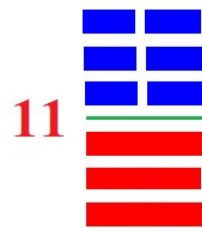
A = [1 1 1 - 0 1 1]
(10) Treading (Conduct)



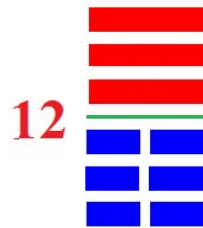
(NOT) A = [0 0 0 - 1 0 0]
(15) Modesty



A = [0 0 0 - 1 1 1]
(11) Peace

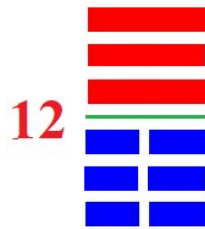


[(NOT) A = [1 1 1 - 0 0 0]
(12) Standstill (Stagnation)

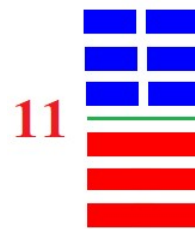


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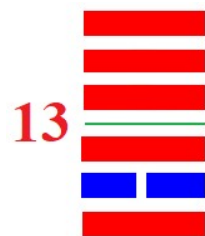
$A = [1\ 1\ 1\ -0\ 0\ 0]$
 (12) Standstill (Stagnation)



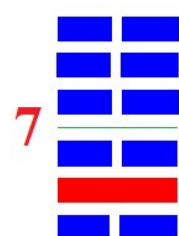
(NOT) $A = [0\ 0\ 0\ -1\ 1\ 1]$
 (11) Peace



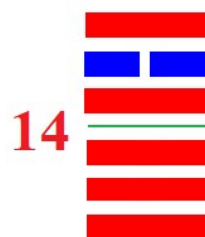
$A = [1\ 1\ 1\ -1\ 0\ 1]$
 (13) Fellowship with Men



(NOT) $A = [0\ 0\ 0\ |0\ 1\ 0]$
 (7) The Army



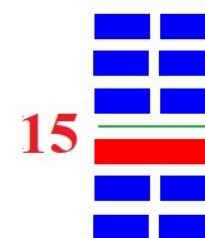
$A = [1\ 0\ 1\ -1\ 1\ 1]$
 (14) Possession in Great Measure



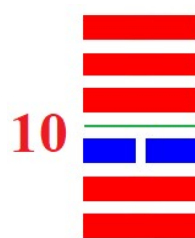
(NOT) $A = [0\ 1\ 0\ -0\ 0\ 0]$
 (8) Holding Together



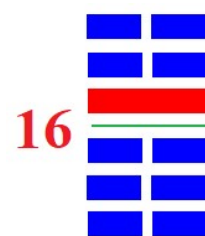
$A = [0\ 0\ 0\ -1\ 0\ 0]$
 (15) Modesty



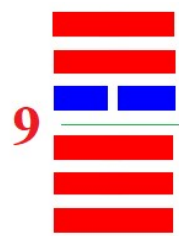
(NOT) $A = [1\ 1\ 1\ -0\ 1\ 1]$
 (10) Treading (Conduct)



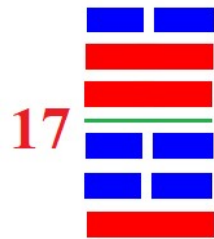
$A = [0\ 0\ 1\ -0\ 0\ 0]$
 (16) Enthusiasm



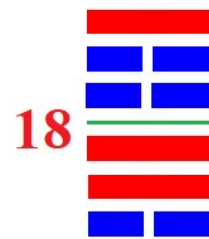
(NOT) $A = [1\ 1\ 0\ |1\ 1\ 1]$
 (9) Taming Power of the Small



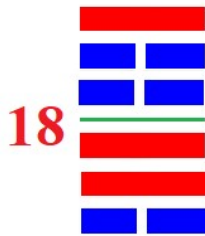
A = [0 1 1 - 0 0 1]
(17) Following



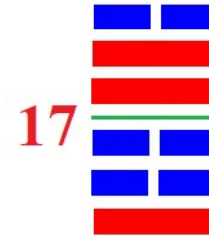
(NOT) A = [1 0 0 - 1 1 0]
(18) Work on What has Been Spoiled (Decay)



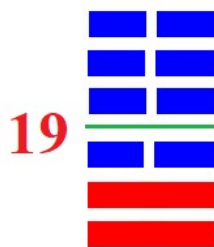
A = [1 0 0 - 1 1 0]
(18) Work on What Has Been Spoiled



(NOT) A = [0 1 1 - 0 0 1]
(17) Following



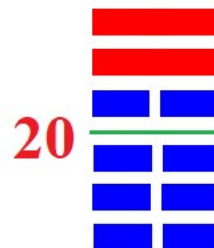
A = [0 0 0 - 0 1 1]
(19) Approach



(NOT) A = [1 1 1 - 1 0 0]
(33) Retreat



A = [1 1 0 - 0 0 0]
(20) Contemplation (View)



(NOT) A = [0 0 1 - 1 1 1]
(34) The Power of the Great



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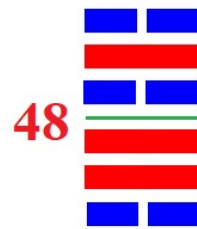
A = [1 0 1 - 0 0 1]

(21) Biting Through



(NOT) A = [0 1 0 - 1 1 0]

(48) The Well



A = [1 0 0 - 1 0 1]

(22) Grace



(NOT) A = [0 1 1 - 0 1 0]

(47) Oppression (Exhaustion)



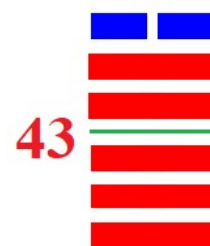
A = [1 0 0 - 0 0 0]

(23) Splitting Apart



(NOT) A = [0 1 1 - 1 1 1]

(43) Break Through (Resoluteness)



A = [0 0 0 - 0 0 1]

(24) Return (The Turning Point)



(NOT) A = [1 1 1 - 1 1 0]

(44) Coming To Meet

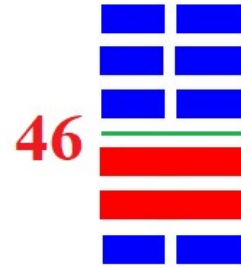


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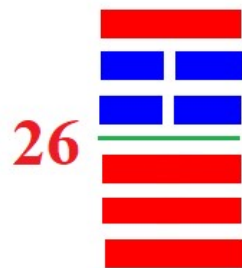
A = [1 1 1 - 0 0 1]
(25) Innocence (The unexpected)



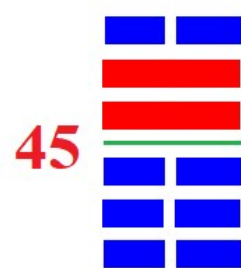
(NOT) A = [0 0 0 - 1 1 0]
(46) Pushing Upward



A = [1 0 0 - 1 1 1]
(26) The taming Power of the Great



(NOT) A = [0 0 0 - 1 1 0]
(45) Gathering Together (Massing)



A = [1 0 0 - 0 0 1]
(27) Providing Nourishment



(NOT) A = [0 1 1 - 1 1 0]
(28) Preponderance of the Great



A = [0 1 1 - 1 1 0]
(28) Preponderance of the Great

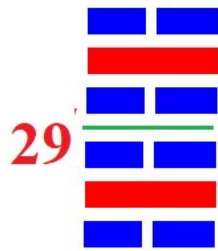


(NOT) A = [1 0 0 - 0 0 1]
(27) Providing Nourishment

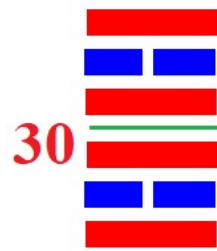


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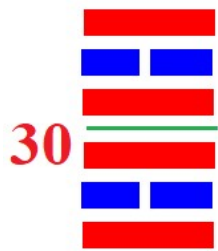
A = [0 1 0 - 0 1 0]
(29) The Abysmal



(NOT) A = [1 0 1 - 1 0 1 1]
(30) The Clinging (Fire)



A = [1 0 1 - 1 0 1]
(30) The Clinging (Fire)



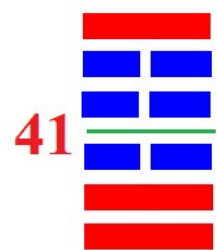
(NOT) A = [0 1 0 - 0 1 0] θ
(29) The Abysmal



A = [0 1 1 - 1 0 0]
(31) Influence (Wooing)



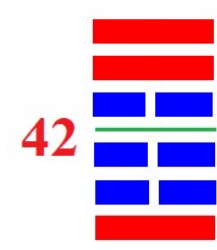
(NOT) A = [1 0 0 - 0 1 1]
(41) Decrease



A = [0 0 1 - 1 1 0]
(32) Duration



(NOT) A = [1 1 0 - 0 0 1]
(42) Increase

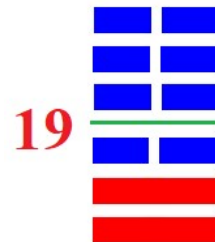


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A = [1 1 1 - 1 0 0]
(33) Retreat



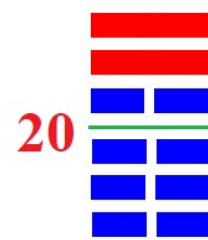
(NOT) A = [0 0 0 - 0 1 1]
(19) Approach



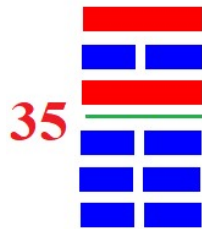
A = [0 0 1 - 1 1 1]
(34) The Power of the Great



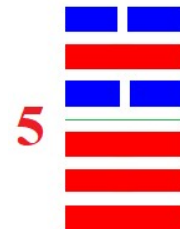
(NOT) A = [1 1 0 - 0 0 0]
(20) Contemplation



A = [1 0 1 - 0 0 0]
(35) Progress



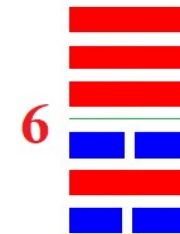
(NOT) A = [0 1 0 - 1 1 1]
(5) Waiting (Nourishment)



A = [0 0 0 - 1 0 1]
(36) Darkening of the Light



(NOT) A = [1 1 1 - 0 1 0]
(6) Conflict



Continued on the Next Page

A = [1 1 0 - 1 0 1] |
(37) The Family (The Clan)



(NOT) A = [0 0 1 - 0 1 0] |
(40) Deliverance



A = 0 [1 0 1 - 0 1 1] |
(38) Opposition



(NOT) A = [0 1 0 - 1 0 0] |
(39) Obstruction



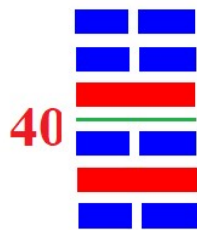
A = [0 1 0 - 1 0 0] |
(39) Obstruction



(NOT) A = [1 0 1 - 0 1 1] |
(38) Opposition



A = [0 0 1 - 0 1 0] |
(40) Deliverance

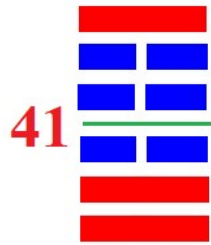


(NOT) A = [1 1 0 - 1 0 1] |
(37) The Family (The Clan)



Continued on the Next Page

$A = [1\ 0\ 0 - 0\ 1\ 1]$
 (41) Decrease



(NOT) $A = [0\ 1\ 1 - 1\ 0\ 0]$
 (31) Influence (Wooing)



$A = [1\ 1\ 0 - 0\ 0\ 1]$
 (42) Increase



(NOT) $A = [0\ 0\ 1 - 1\ 1\ 0]$
 (32) Duration



$A = [0\ 1\ 1 - 1\ 1\ 1]$
 (43) Break Through (Resoluteness)



(NOT) $A = [1\ 0\ 0 - 0\ 0\ 0]$
 (52) Keeping Still (Mountain)



$A = [1\ 1\ 1 - 1\ 1\ 0]$
 (44) Coming to Meet

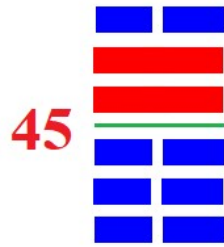


(NOT) $A = [0\ 0\ 0 - 0\ 0\ 1]$
 (24) Return (The Turning Point)



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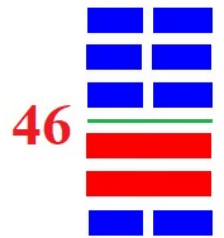
$A = [011 - 000]$ |
 (45) Gathering Together (Massing)



(NOT) $A = [100 - 111]$ |
 (26) The Taming Power of the Great



$A = [000 110]$ |
 (46) Pushing Upward



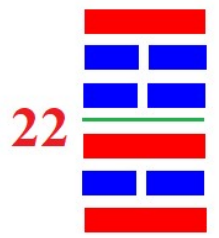
(NOT) $A = [111 - 001]$ |
 (25) Innocence (The unexpected)



$A = [011 - 010]$ |
 (47) Oppression



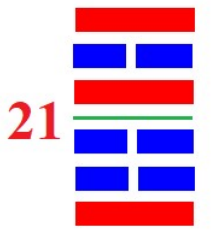
(NOT) $A = [100 - 101]$ |
 (22) Grace



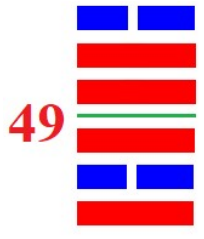
$A = [010 - 110]$ |
 (48) Oppression



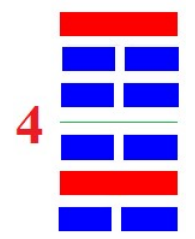
(NOT) $A = [101 - 001]$ |
 (21) Biting Through



$A = [011 - 101]$ |
 (49) Revolution

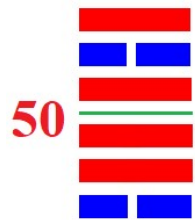


(NOT) $A = [100 - 010]$ |
 (4) Youthful Folly



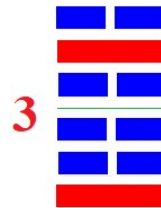
$$A = [101 - 110]$$

(50) *The Caldron*



$$(NOT) A = [010 - 001]$$

(3) *Difficulty at the Beginning*



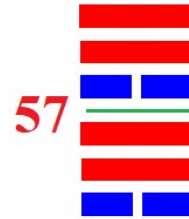
$$A = [001 - 001]$$

(51) *The Arousing (Shock, Thunder)*



$$(NOT) A = [110 - 110]$$

(57) *The Gentle (The Penetrating Wind)*



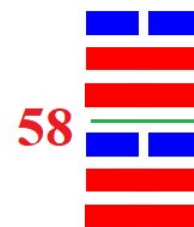
$$A = [100 - 100]$$

(52) *Keeping Still (The Mountain)*



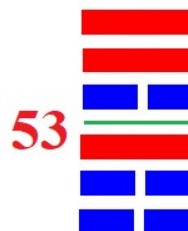
$$(NOT) A = [011 - 011]$$

(58) *The Joyous (lake)*



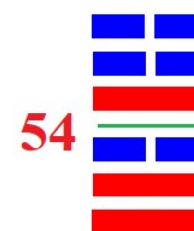
$$A = [110 - 100]$$

(53) *Development (Gradual Progress)*



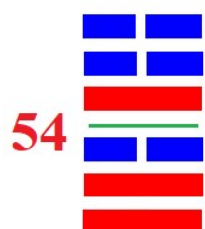
$$(NOT) A = [001 - 011]$$

(54) *The Marrying Maiden*



$$A = [001 - 011]$$

(54) *The marrying Maiden*



$$(NOT) A = [110 - 100]$$

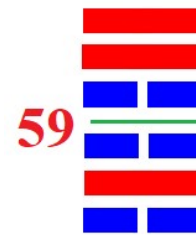
(53) *Development (Gradual Progress)*



$A = [001 - 101]$ |
 (55) Abundance (Fullness)



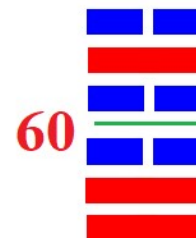
(NOT) $A = [110 - 010]$
 (59) Dispersion (Dissolution)



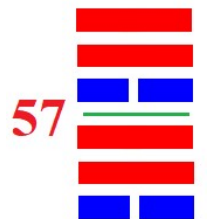
$A = [101 - 100]$ |
 (56) The Wanderer



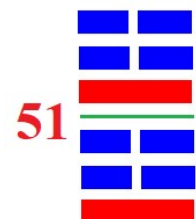
(NOT) $A = [010 - 011]$
 (60) Limitation



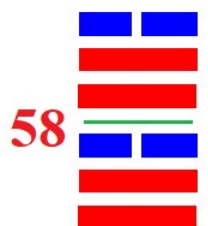
$A = [110 - 110]$ |
 (57) The Gentle (The Penetrating Wind)



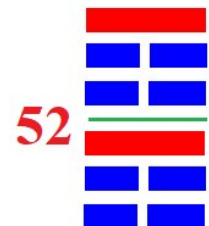
(NOT) $A = [001 - 001]$
 (51) The Arousing (Shock, Thunder)



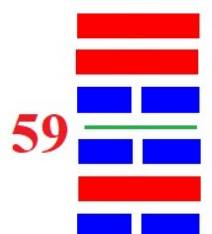
$A = [011 - 011]$ |
 (58) The Joyous, Lake



(NOT) $A = [100 - 100]$
 (52) Keeping Still (Mountain)



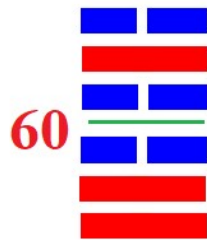
$A = [110 - 010]$ |
 (59) Dispersion (Dissolution)



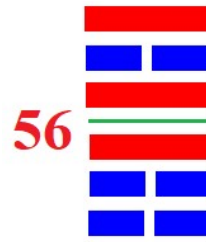
(NOT) $A = [001 - 101]$
 (55) Abundance (Fullness)



$A = [010 - 011]$
 (60) Limitation



(NOT) $A = [101 - 100]$
 (56) The Wanderer



$A = [110 - 011]$
 (61) Inner Truth



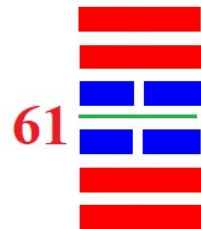
(NOT) $A = [001 - 100]$
 (62) Preponderance of the Small



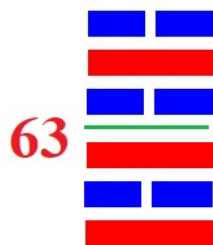
$A = [001 - 100]$
 (62) Preponderance of the Small



(NOT) $A = [110 - 011]$
 (61) Inner Truth



$A = [010 - 101]$
 (63) After Completion



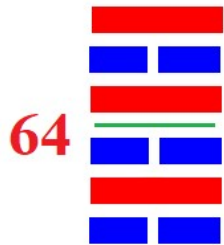
(NOT) $A = [101 - 010]$
 (64) Before Completion



Continued on the Next Page

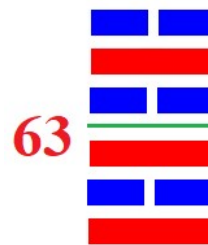
$$A = [1\ 0\ 1\ -0\ 1\ 0]$$

(64) Before Completion



$$(NOT) A = [0\ 1\ 0\ -1\ 0\ 1]$$

(63) After Completion



Hexagram Table of Opposites

| | | | |
|-------------|----------------------|-------------|-----------------------|
| Hex 1 & 2 | [Opposite] | Hex 17 & 18 | [Opposite & Inverse] |
| Hex 2 & 1 | [Opposite] | Hex 18 & 17 | [Opposite & Inverse] |
| Hex 3 & 50 | [Opposite] | Hex 19 & 33 | [Opposite] |
| Hex 4 & 49 | [Opposite] | Hex 20 & 34 | [Opposite] |
| Hex 5 & 35 | [Opposite] | Hex 21 & 48 | [Opposite] |
| Hex 6 & 36 | [Opposite] | Hex 22 & 47 | [Opposite] |
| Hex 7 & 13 | [Opposite] | Hex 23 & 43 | [Opposite] |
| Hex 8 & 14 | [Opposite] | Hex 24 & 44 | [Opposite] |
| Hex 9 & 16 | [Opposite] | Hex 25 & 46 | [Opposite] |
| Hex 10 & 15 | [Opposite] | Hex 26 & 45 | [Opposite] |
| Hex 11 & 12 | [Opposite & Inverse] | Hex 27 & 28 | [Opposite] |
| Hex 12 & 11 | [Opposite & Inverse] | Hex 28 & 27 | [Opposite] |
| Hex 13 & 7 | [Opposite] | Hex 29 & 30 | [Opposite] |
| Hex 14 & 8 | [Opposite] | Hex 30 & 29 | [Opposite] |
| Hex 15 & 10 | [Opposite] | Hex 31 & 41 | [Opposite] |
| Hex 16 & 9 | [Opposite] | Hex 32 & 42 | [Opposite] |
| Hex 33 & 19 | [Opposite] | Hex 49 & 4 | [Opposite] |
| Hex 34 & 20 | [Opposite] | Hex 50 & 3 | [Opposite] |
| Hex 35 & 5 | [Opposite] | Hex 51 & 57 | [Opposite] |
| Hex 36 & 6 | [Opposite] | Hex 52 & 58 | [Opposite] |
| Hex 37 & 40 | [Opposite] | Hex 53 & 54 | [[Opposite & Inverse] |
| Hex 38 & 39 | [Opposite] | Hex 54 & 53 | [Opposite & Inverse] |
| Hex 39 & 38 | [Opposite] | Hex 55 & 59 | [Opposite] |
| Hex 40 & 37 | [Opposite] | Hex 56 & 60 | [Opposite] |
| Hex 41 & 31 | [Opposite] | Hex 57 & 51 | [Opposite] |
| Hex 42 & 43 | [Opposite] | Hex 58 & 52 | [Opposite] |
| Hex 43 & 23 | [Opposite] | Hex 59 & 55 | [Opposite] |
| Hex 44 & 24 | [Opposite] | Hex 60 & 56 | [Opposite] |
| Hex 45 & 26 | [Opposite] | Hex 61 & 62 | [Opposite] |
| Hex 46 & 25 | [Opposite] | Hex 62 & 61 | [Opposite] |
| Hex 47 & 22 | [Opposite] | Hex 63 & 64 | [Opposite & Inverse] |
| Hex 48 & 21 | [Opposite] | Hex 64 & 63 | [Opposite & Inverse] |

