



# Mensionization Complementation

## The Mathematics of Hermetic Alchemy

### INDEX E-1

## Binary Hexagrams and Hexagons

### Successive Division Method

### Prerequisite Reading Section 5-A

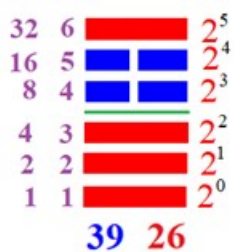
This explication uses CCS (Colored Coded Semantics) for Intuitive Learning.

I assume you have read Section 5-A on the Binary Number System. In Section 5-A the trigrams were used as examples for successive division; in this explication we will discuss only the hexagrams of the I Ching and the Hexagons of Hermetic Alchemy. The Binary System used in the calculations is the method used in the Western Culture successive division system which can be easily interchanged within the I Ching system.

You may want to review the MSL, MSP, and leading zeros of the trigrams in Section 5-A-as they apply to the hexagrams as well; however they won't be shown in the division process to save some time in the graphic construction.

The following graphic legend will refresh your memory on some of the  $2^n$  properties of the hexagrams and hexagons.

### Graphic Legend



Graph 1



Graph 2



Graph 1 above shows an *I Ching* Hexagram and an *Alchemical* Hexagon. The right side of the hexagram shows each line's  $2^n$  position within the hexagram along with the  $2^n$  positioning of the hexagon. The purple values are the line numbering and their *binary-decimal* values.

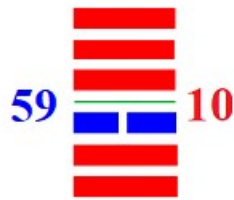
Graph 2 shows the line numbering of the hexagon and its  $2^n$  values as compared to the hexagram. The blue number 39 is the *binary-* number of the hexagram and the red number 26 is its *I Ching* hexagram number. Note in the *binary hexagon* the numbers 1, 2, and 4 are in a *clockwise* direction and the numbers 32, 16, and 8 are in a *counter-clockwise* direction these different directions are the same in the line number hexagon also.

The hexagon has six (6) equilateral triangles representing the six (6) lines of the hexagram; each triangle can be colored red or blue where a red triangle represents a solid line "yang" and the blue triangle represents a broken line "yin." To find the *binary value* of a hexagon simply sum the numbers within the red triangles. The sum of these numbers also gives the *binary value* of the corresponding hexagram.

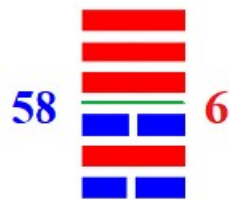
### The 64 Successive Divisions

We begin with *Hexagram 1* (the *Creative*) whose *binary decimal* value is 63.

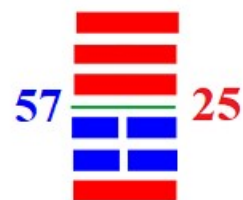
63	62	61	60
1	44	13	33
$63 \div 2 = 31 \text{ R}(1)$ $31 \div 2 = 15 \text{ R}(1)$ $15 \div 2 = 7 \text{ R}(1)$ $7 \div 2 = 3 \text{ R}(1)$ $3 \div 2 = 1 \text{ R}(1)$ $1 \div 2 = 0 \text{ R}(1)$ 111-111	$62 \div 2 = 31 \text{ R}(0)$ $31 \div 2 = 15 \text{ R}(1)$ $15 \div 2 = 7 \text{ R}(1)$ $7 \div 2 = 3 \text{ R}(1)$ $3 \div 2 = 1 \text{ R}(1)$ $1 \div 2 = 0 \text{ R}(1)$ 111-110	$61 \div 2 = 30 \text{ R}(1)$ $30 \div 2 = 15 \text{ R}(0)$ $15 \div 2 = 7 \text{ R}(1)$ $7 \div 2 = 3 \text{ R}(1)$ $3 \div 2 = 1 \text{ R}(1)$ $1 \div 2 = 0 \text{ R}(1)$ 111-101	$60 \div 2 = 30 \text{ R}(0)$ $30 \div 2 = 15 \text{ R}(0)$ $15 \div 2 = 7 \text{ R}(1)$ $7 \div 2 = 3 \text{ R}(1)$ $3 \div 2 = 1 \text{ R}(1)$ $1 \div 2 = 0 \text{ R}(1)$ 111-100



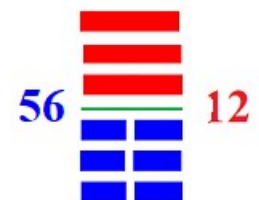
59 ÷ 2 = 29 R(1)  
 29 ÷ 2 = 14 R(1)  
 14 ÷ 2 = 7 R(0)  
 7 ÷ 2 = 3 R(1)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)  
 111 - 011



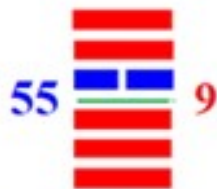
58 ÷ 2 = 29 R(0)  
 29 ÷ 2 = 14 R(1)  
 14 ÷ 2 = 7 R(0)  
 7 ÷ 2 = 3 R(1)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)  
 111 - 010



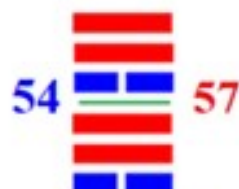
57 ÷ 2 = 28 R(1)  
 28 ÷ 2 = 14 R(0)  
 14 ÷ 2 = 7 R(0)  
 7 ÷ 2 = 3 R(1)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)  
 111 - 001



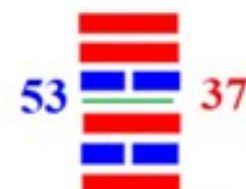
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 28 ÷ 2 = 14 R(0)  
 14 ÷ 2 = 7 R(0)  
 7 ÷ 2 = 3 R(1)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)  
 111 - 000



55 ÷ 2 = 27 R(1)  
 27 ÷ 2 = 13 R(1)  
 13 ÷ 2 = 6 R(1)  
 6 ÷ 2 = 3 R(0)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)  
 110 - 111



54 ÷ 2 = 27 R(0)  
 27 ÷ 2 = 13 R(1)  
 13 ÷ 2 = 6 R(1)  
 6 ÷ 2 = 3 R(0)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)  
 110 - 110



53 ÷ 2 = 26 R(1)  
 26 ÷ 2 = 13 R(0)  
 13 ÷ 2 = 6 R(1)  
 6 ÷ 2 = 3 R(0)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)  
 110 - 101



52 ÷ 2 = 26 R(0)  
 26 ÷ 2 = 13 R(0)  
 13 ÷ 2 = 6 R(1)  
 6 ÷ 2 = 3 R(0)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)  
 110 - 100

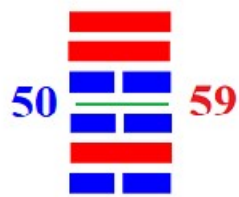


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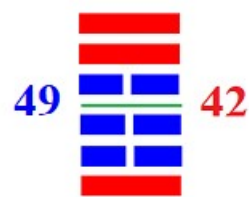
51 ÷ 2 = 25 R(1)  
 25 ÷ 2 = 12 R(1)  
 12 ÷ 2 = 6 R(0)  
 6 ÷ 2 = 3 R(0)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)

110-011



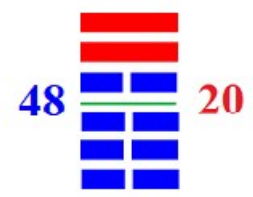
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 25 ÷ 2 = 12 R(1)  
 12 ÷ 2 = 6 R(0)  
 6 ÷ 2 = 3 R(0)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)

110-010



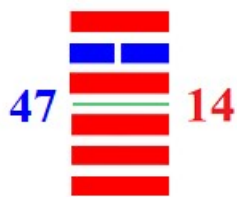
49 ÷ 2 = 24 R(1)  
 24 ÷ 2 = 12 R(0)  
 12 ÷ 2 = 6 R(0)  
 6 ÷ 2 = 3 R(0)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)

110-001



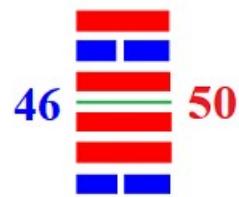
48 ÷ 2 = 24 R(0)  
 24 ÷ 2 = 12 R(0)  
 12 ÷ 2 = 6 R(0)  
 6 ÷ 2 = 3 R(0)  
 3 ÷ 2 = 1 R(1)  
 1 ÷ 2 = 0 R(1)

110-000



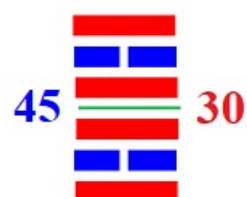
47 ÷ 2 = 23 R(1)  
 23 ÷ 2 = 11 R(1)  
 11 ÷ 2 = 5 R(1)  
 5 ÷ 2 = 2 R(1)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)

101-111



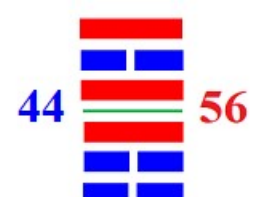
46 ÷ 2 = 23 R(0)  
 23 ÷ 2 = 11 R(1)  
 11 ÷ 2 = 5 R(1)  
 5 ÷ 2 = 2 R(1)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)

101-110



45 ÷ 2 = 22 R(1)  
 22 ÷ 2 = 11 R(0)  
 11 ÷ 2 = 5 R(1)  
 5 ÷ 2 = 2 R(1)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)

101-101

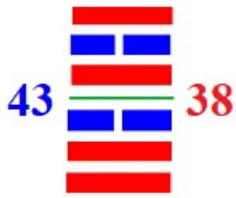


44 ÷ 2 = 22 R(0)  
 22 ÷ 2 = 11 R(0)  
 11 ÷ 2 = 5 R(1)  
 5 ÷ 2 = 2 R(1)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)

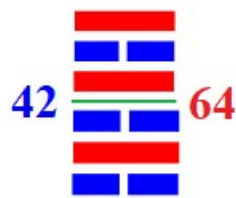
101-100



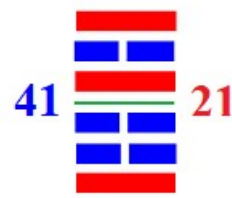
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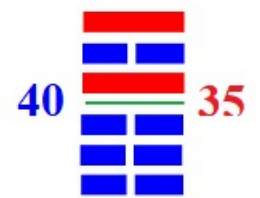
43 ÷ 2 = 21 R(1)  
 21 ÷ 2 = 10 R(1)  
 10 ÷ 2 = 5 R(0)  
 5 ÷ 2 = 2 R(1)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)  
 101 - 011



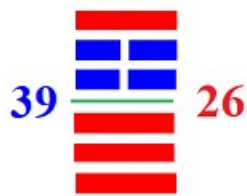
42 ÷ 2 = 21 R(0)  
 21 ÷ 2 = 10 R(1)  
 10 ÷ 2 = 5 R(0)  
 5 ÷ 2 = 2 R(1)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)  
 101 - 010



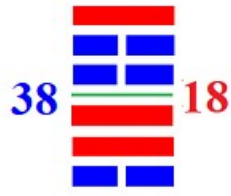
41 ÷ 2 = 20 R(1)  
 20 ÷ 2 = 10 R(0)  
 10 ÷ 2 = 5 R(0)  
 5 ÷ 2 = 2 R(1)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)  
 101 - 001



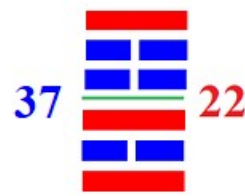
40 ÷ 2 = 20 R(0)  
 20 ÷ 2 = 10 R(0)  
 10 ÷ 2 = 5 R(0)  
 5 ÷ 2 = 2 R(1)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)  
 101 - 000



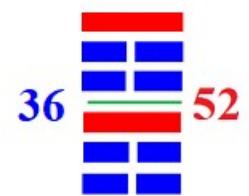
39 ÷ 2 = 19 R(1)  
 19 ÷ 2 = 9 R(1)  
 9 ÷ 2 = 4 R(1)  
 4 ÷ 2 = 2 R(0)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)  
 100 - 111



38 ÷ 2 = 19 R(0)  
 19 ÷ 2 = 9 R(1)  
 9 ÷ 2 = 4 R(1)  
 4 ÷ 2 = 2 R(0)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)  
 100 - 110



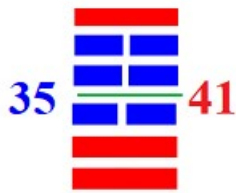
37 ÷ 2 = 18 R(1)  
 18 ÷ 2 = 9 R(0)  
 9 ÷ 2 = 4 R(1)  
 4 ÷ 2 = 2 R(0)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)  
 100 - 101



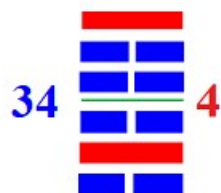
36 ÷ 2 = 18 R(0)  
 18 ÷ 2 = 9 R(0)  
 9 ÷ 2 = 4 R(1)  
 4 ÷ 2 = 2 R(0)  
 2 ÷ 2 = 1 R(0)  
 1 ÷ 2 = 0 R(1)  
 100 - 100



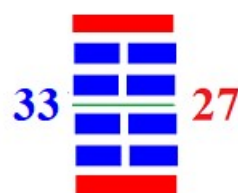
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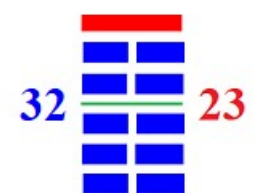
$35 \div 2 = 17 \text{ R}(1)$   
 $17 \div 2 = 8 \text{ R}(1)$   
 $8 \div 2 = 4 \text{ R}(0)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 100-011



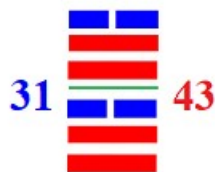
$34 \div 2 = 17 \text{ R}(0)$   
 $17 \div 2 = 8 \text{ R}(1)$   
 $8 \div 2 = 4 \text{ R}(0)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 100-010



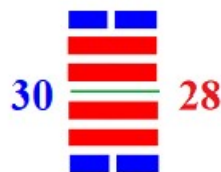
$33 \div 2 = 16 \text{ R}(1)$   
 $16 \div 2 = 8 \text{ R}(0)$   
 $8 \div 2 = 4 \text{ R}(0)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 100-001



$32 \div 2 = 16 \text{ R}(0)$   
 $16 \div 2 = 8 \text{ R}(0)$   
 $8 \div 2 = 4 \text{ R}(0)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 100-000



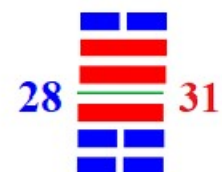
$31 \div 2 = 15 \text{ R}(1)$   
 $15 \div 2 = 7 \text{ R}(1)$   
 $7 \div 2 = 3 \text{ R}(1)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 011-111



$30 \div 2 = 15 \text{ R}(0)$   
 $15 \div 2 = 7 \text{ R}(1)$   
 $7 \div 2 = 3 \text{ R}(1)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 011-110



$29 \div 2 = 14 \text{ R}(1)$   
 $14 \div 2 = 7 \text{ R}(0)$   
 $7 \div 2 = 3 \text{ R}(1)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 011-101

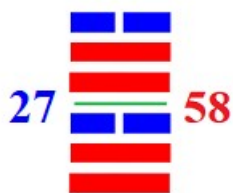


$28 \div 2 = 14 \text{ R}(0)$   
 $14 \div 2 = 7 \text{ R}(0)$   
 $7 \div 2 = 3 \text{ R}(1)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 011-100

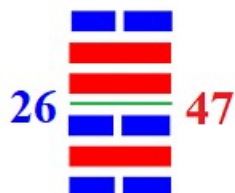


Hexagram 31 above begins the MSP's Leading Zeros

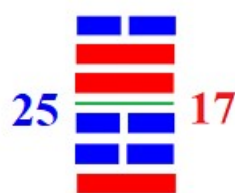
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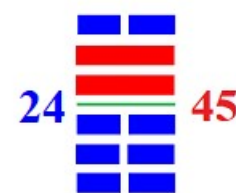
$27 \div 2 = 13 \text{ R}(1)$   
 $13 \div 2 = 6 \text{ R}(1)$   
 $6 \div 2 = 3 \text{ R}(0)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 011-011



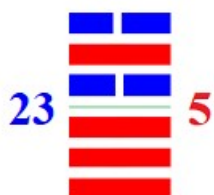
$26 \div 2 = 13 \text{ R}(0)$   
 $13 \div 2 = 6 \text{ R}(1)$   
 $6 \div 2 = 3 \text{ R}(0)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 011-010



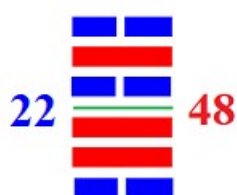
$25 \div 2 = 12 \text{ R}(1)$   
 $12 \div 2 = 6 \text{ R}(0)$   
 $6 \div 2 = 3 \text{ R}(0)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 011-001



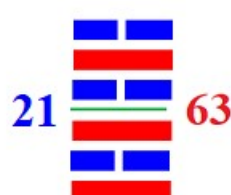
$24 \div 2 = 12 \text{ R}(0)$   
 $12 \div 2 = 6 \text{ R}(0)$   
 $6 \div 2 = 3 \text{ R}(0)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 011-000



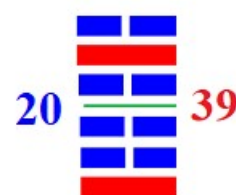
$23 \div 2 = 11 \text{ R}(1)$   
 $11 \div 2 = 5 \text{ R}(1)$   
 $5 \div 2 = 2 \text{ R}(1)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 010-111



$22 \div 2 = 11 \text{ R}(0)$   
 $11 \div 2 = 5 \text{ R}(1)$   
 $5 \div 2 = 2 \text{ R}(1)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 010-110



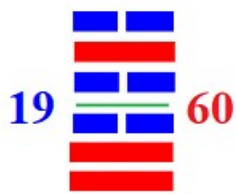
$21 \div 2 = 10 \text{ R}(1)$   
 $10 \div 2 = 5 \text{ R}(0)$   
 $5 \div 2 = 2 \text{ R}(1)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 010-101



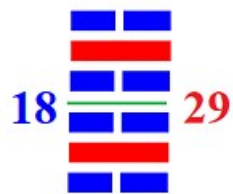
$20 \div 2 = 10 \text{ R}(0)$   
 $10 \div 2 = 5 \text{ R}(0)$   
 $5 \div 2 = 2 \text{ R}(1)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 010-100



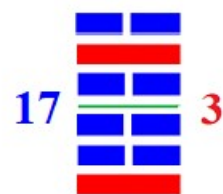
Continued on the next page



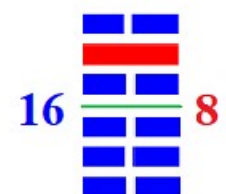
$19 \div 2 = 9 \text{ R}(1)$   
 $9 \div 2 = 4 \text{ R}(1)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 010 - 011



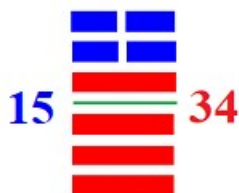
$18 \div 2 = 9 \text{ R}(0)$   
 $9 \div 2 = 4 \text{ R}(1)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 010 - 010



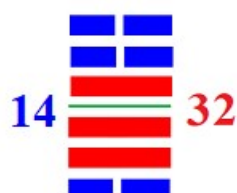
$17 \div 2 = 8 \text{ R}(1)$   
 $8 \div 2 = 4 \text{ R}(0)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 010 - 001



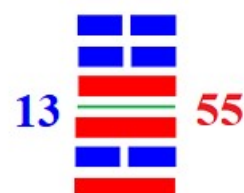
$16 \div 2 = 8 \text{ R}(0)$   
 $8 \div 2 = 4 \text{ R}(0)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 010 - 000



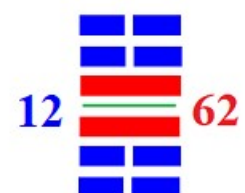
$15 \div 2 = 7 \text{ R}(1)$   
 $7 \div 2 = 3 \text{ R}(1)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 001 - 111



$14 \div 2 = 7 \text{ R}(0)$   
 $7 \div 2 = 3 \text{ R}(1)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 001 - 110



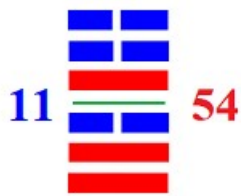
$13 \div 2 = 6 \text{ R}(1)$   
 $6 \div 2 = 3 \text{ R}(0)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 001 - 101



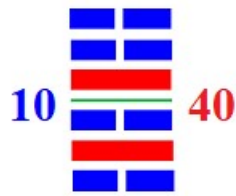
$12 \div 2 = 6 \text{ R}(0)$   
 $6 \div 2 = 3 \text{ R}(0)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 001 - 100



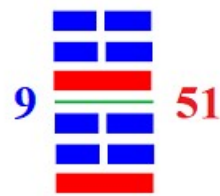
Continued on the next page



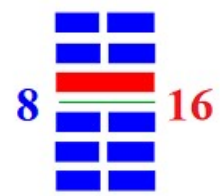
$11 \div 2 = 5 \text{ R}(1)$   
 $5 \div 2 = 2 \text{ R}(1)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 001-011



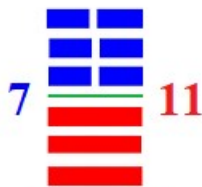
$10 \div 2 = 5 \text{ R}(0)$   
 $5 \div 2 = 2 \text{ R}(1)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 001-010



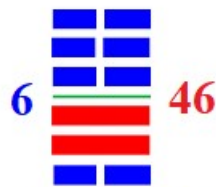
$9 \div 2 = 4 \text{ R}(1)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 001-001



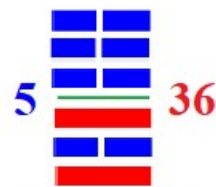
$8 \div 2 = 4 \text{ R}(0)$   
 $4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 001-000



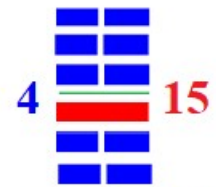
$7 \div 2 = 3 \text{ R}(1)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 000-111



$6 \div 2 = 3 \text{ R}(0)$   
 $3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 000-110



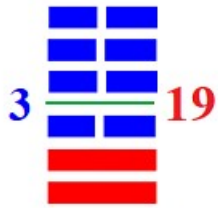
$5 \div 2 = 2 \text{ R}(1)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 000-101



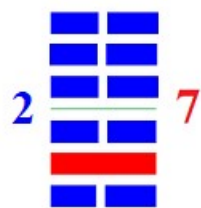
$4 \div 2 = 2 \text{ R}(0)$   
 $2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 000-100



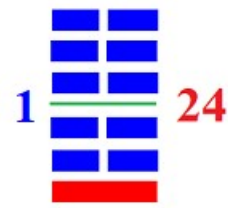
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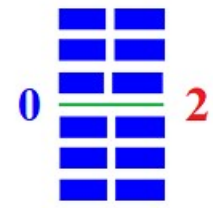
$3 \div 2 = 1 \text{ R}(1)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $000 - 011$



$2 \div 2 = 1 \text{ R}(0)$   
 $1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $000 - 010$



$1 \div 2 = 0 \text{ R}(1)$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $000 - 001$



$[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $[0 \div 2 = 0 \text{ R}(0)]$   
 $000 - 000$

