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EC PSYCHOLOGY AND PSYCHIATRY
Conceptual Paper

Another Look at the Primary Classification

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Received: July 18, 2018; **Published:** September 12, 2018

Abstract

In the Primary Classification from the Henry System of Fingerprint Classification and Filing we consider the ten digits and discover which digits display whorl type patterns. There are 1024 combinations ranging from no whorl pattern appearing on the ten digits to a whorl pattern appearing on all ten digits. The calculation is therefore the number of possibilities (two possibilities - a whorl pattern or no whorl pattern) to the power of the number of segments (digits). The mathematical expression is therefore two to the tenth power (2^{10}). 2^{10} = 1024 combinations ranging from 1 over 1 (no whorl patterns in a ten set of fingerprints) to 32 over 32 (a whorl pattern appearing on all ten digits).

Keywords: Primary Classification; Fingerprint

Introduction

An individual displaying a whorl pattern or not is significant in the Yusuke Miyamoto book entitled Fingerprints in which the right hand is designated for women and the left hand for men. Here we see that 2^5 = 32. Thirty-two combinations for each hand. However, in the Primary Classification we see 32 x 32 = 1024 (32 across and 32 down on the display chart).

Primary Classification (Original Sequence)

Each of the 1024 Primary Classifications represents a display of fingerprint patterns focusing on the presence or lack thereof of the whorl pattern.

Primary Classification First Reference Sequence

Figure 2 displays a simultaneous sequence chart (the Primary Classification First Reference Sequence). Here it is possible to determine the Primary Classification according to the original sequence. This is accomplished by numbers situated along the horizontal and vertical perimeter of the chart. It can also be noted that this chart displays another sequence as well. The Primary Classifications are arranged into a diagonal reverse. The purpose of the Primary Classification First Reference Sequence is to establish a geometric and numerical relationship with Primary Classifications. And it is this relationship that enables us to mathematically interpret the compatible/incompatible and/or control ability of individuals.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
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	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
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	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
21	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
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22	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
25	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
26	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
27	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
32	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Figure: 1

Figure 4 is an example of using the Primary Classification First Reference Sequence. Our Primary Classification is 11 over 3. This is calculated with the following numerical values assigned to the given digits; with the added value of whorls appearing on the right-hand as the numerator and the added value of whorls appearing on the left-hand as the denominator (Figure 3).

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	1	1	31	29	25	21	15	9	1	25	15	5	25	13	31	17	1	17	31	13	25	5	15	25	1	9	15	21	25	29	31	32
	1	2	2	3	4	5	6	7	8	8	9	10	10	11	11	12	13	13	13	14	14	15	15	15	16	16	16	16	16	16	16	32
2	32	2	2	32	30	26	22	16	10	2	26	16	6	26	14	32	18	2	18	32	14	26	6	16	26	2	10	16	22	26	31	32
	31	1	2	2	3	4	5	6	7	8	8	9	10	10	11	11	12	13	13	13	14	14	15	15	15	16	16	16	16	16	32	16
3	2	31	3	3	1	31	27	23	17	11	3	27	17	7	27	15	1	19	3	19	1	15	27	7	17	27	3	11	17	30	27	30
	31	31	1	2	3	3	4	5	6	7	8	8	9	10	10	11	12	12	13	13	14	14	14	15	15	15	16	16	16	32	16	16
4	4	1	30	4	4	2	32	28	24	18	12	4	28	18	8	28	16	2	20	4	20	2	16	28	8	18	28	4	29	18	23	28
	30	31	31	1	2	3	3	4	5	6	7	8	8	9	10	10	11	12	12	13	13	14	14	14	15	15	15	16	32	16	16	16
5	8	3	32	29	5	5	3	1	29	25	19	13	5	29	19	9	29	17	3	21	5	21	3	17	29	9	19	28	5	12	19	24
	29	30	30	31	1	2	3	4	4	5	6	7	8	8	9	10	10	11	12	12	13	13	14	14	14	15	15	32	16	16	16	16
6	12	7	2	31	28	6	6	4	2	30	26	20	14	6	30	20	10	30	18	4	22	6	22	4	18	30	27	20	29	6	13	20
	28	29	30	30	31	1	2	3	4	4	5	6	7	8	8	9	10	10	11	12	12	13	13	14	14	14	32	15	15	16	16	16
7	18	11	6	1	30	27	7	7	5	3	31	27	21	15	7	31	21	11	31	19	5	23	7	23	5	26	31	10	21	30	7	14
	27	28	29	30	30	31	1	2	3	4	4	5	6	7	8	8	9	10	10	11	12	12	13	13	14	32	14	15	15	15	16	16
8	24	17	10	5	32	29	26	8	8	6	4	32	28	22	16	8	32	22	12	32	20	6	24	8	25	6	19	32	11	22	31	8
	26	27	28	29	29	30	31	1	2	3	4	4	5	6	7	8	8	9	10	10	11	12	12	13	32	14	14	14	15	15	15	16
9	32	23	16	9	4	31	28	25	9	9	7	5	1	29	23	17	9	1	23	13	1	21	7	24	9	24	7	20	1	12	23	32
	25	26	27	28	29	29	30	31	1	2	3	4	5	5	6	7	8	9	9	10	11	11	12	32	13	13	14	14	15	15	15	15
10	8	31	22	15	8	3	30	27	24	10	10	8	6	2	30	24	18	10	2	24	14	2	23	8	25	10	25	8	21	2	13	24
	25	25	26	27	28	29	29	30	31	1	2	3	4	5	5	6	7	8	9	9	10	11	32	12	12	13	13	14	14	15	15	15
11	18	7	30	21	14	7	2	29	26	23	11	11	9	7	3	31	25	19	11	3	25	22	3	22	9	26	11	26	9	22	3	14
	24	25	25	26	27	28	29	29	30	31	1	2	3	4	5	5	6	7	8	9	9	32	11	11	12	12	13	13	14	14	15	15
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	23	23	24	25	25	26	27	28	28	29	30	31	1	2	3	4	5	6	6	32	8	9	9	10	11	11	12	12	13	13	14	14
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	22	22	23	23	24	25	25	26	27	28	28	29	30	31	1	2	3	32	5	6	6	7	8	9	9	10	11	11	12	12	13	13
16	16	1	18	5	24	13	2	25	16	9	2	29	24	21	18	16	17	14	11	8	3	30	23	16	7	30	19	8	27	14	31	16
	21	22	22	23	23	24	25	25	26	27	28	28	29	30	31	1	32	3	4	5	6	6	7	8	9	9	10	11	11	12	12	13
17	32	15	32	17	4	23	12	1	24	15	8	1	28	23	20	16	17	16	15	12	9	4	31	24	17	8	31	20	9	28	15	32
	20	21	21	22	23	23	24	25	25	26	27	28	28	29	30	32	1	2	3	4	5	6	6	7	8	9	9	10	11	11	12	12
18	16	31	14	31	16	3	22	11	32	23	14	7	32	27	15	19	17	18	17	16	13	10	5	32	25	18	9	32	21	10	29	16
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19	2	15	30	13	30	15	2	21	10	31	22	13	6	14	26	22	18	16	19	18	17	14	11	6	1	26	19	10	1	22	11	30
	20	20	20	21	21	22	23	23	24	24	25	26	27	32	28	29	30	31	1	2	3	4	5	6	7	7	8	9	10	10	11	11
20	20	1	14	29	12	29	14	1	20	9	30	21	13	5	31	25	21	17	15	20	19	18	15	12	7	2	27	20	11	2	23	12
	19	20	20	20	21	21	22	23	23	24	24	25	32	27	27	28	29	30	31	1	2	3	4	5	6	7	7	8	9	10	10	11
21	8	19	32	13	28	11	28	13	32	19	8	12	20	12	4	30	24	20	16	14	21	20	19	16	13	8	3	28	21	12	3	24
	19	19	19	20	20	21	21	22	22	23	24	32	25	26	27	27	28	29	30	31	1	2	3	4	5	6	7	7	8	9	10	10
22	28	7	18	31	12	27	10	27	12	31	11	7	29	19	11	3	29	23	19	15	13	22	21	20	17	14	9	4	29	22	13	4
	18	19	19	19	20	20	21	21	22	22	32	24	24	25	26	27	27	28	29	30	31	1	2	3	4	5	6	7	7	8	9	10
23	18	27	6	17	30	11	26	9	26	10	30	18	6	28	18	10	2	28	22	18	14	12	23	22	21	18	15	10	5	30	23	14
	18	18	19	19	19	20	20	21	21	32	22	23	24	24	25	26	27	27	28	29	30	31	1	2	3	4	5	6	7	7	8	9
24	8	17	26	5	16	29	10	25	9	25	11	29	17	5	27	17	9	1	27	21	17	13	11	24	23	22	19	16	11	6	31	24
	18	18	18	19	19	19	20	20	32	21	22	22	23	24	24	25	26	27	27	28	29	30	31	1	2	3	4	5	6	7	7	8
25	32	7	16	25	4	15	28	8	24	8	24	10	28	16	4	26	16	8	32	26	20	16	12	10	25	24	23	20	17	12	7	32
	17	18	18	18	19	19	19	32	20	21	21	22	22	23	24	24	25	26	26	27	28	29	30	31	1	2	3	4	5	6	7	7
26	24	31	6	15	24	3	7	27	9	23	7	23	9	27	15	3	25	15	7	31	25	19	15	11	9	26	25	24	21	18	13	8
	17	17	18	18	18	19	32	19	20	20	21	21	22	22	23	24	24	25	26	26	27	28	29	30	31	1	2	3	4	5	6	7
27	18	23	30	5	14	6	2	14	26	8	22	6	22	8	26	14	2	24	14	6	30	24	18	14	10	8	27	26	25	22	19	14
	17	17	17	18	18	32	19	19	19	20	20	21	21	22	22	23	24	24	25	26	26	27	28	29	30	31	1	2	3	4	5	6
28	12	17	22	29	5	13	23	1	13	25	7	21	5	21	7	25	13	1	23	13	5	29	23	17	13	9	7	28	27	26	23	20
	17	17	17	17	32	18	18	19	19	19	20	20	21	21	22	22	23	24	24	25	26	26	27	28	29	30	31	1	2	3	4	5
29	8	11	16	4	28	4	12	22	32	12	24	6	20	4	20	6	24	12	32	22	12	4	28	22	16	12	8	6	29	28	27	24
	17	17	17	32	17	18	18	18	18	19	19	20	20	21	21	22	22	23	23	24	25	26	26	27	28	29	30	31	1	2	3	4
30	4	7	3	15	21	27	3	11	21	31	11	23	5	19	3	19	5	23	11	31	21	11	3	27	21	15	11	7	5	30	29	28
	17	17	32	17	17	17	18	18	18	18	19	19	20	20	21	21	22	22	23	23	24	25	26	26	27	28	29	30	31	1	2	3
31	2	2	6	10	14	20	26	2	10	20	30	10	22	4	18	2	18	4	22	10	30	20	10	2	26	20	14	10	6	4	31	30
	17	32	17	17	17	17	17	18	18	18	18	19	19	20	20	21	21	22	22	23	23	24	25	26	26	27	28	29	30	31	1	2
32	1	1	3	5	9	13	19	25	1	9	19	29	9	21	3	17	1	17	3	21	9	29	19	9	1	25	19	13	9	5	3	32
	32	17	17	17	17	17	17	17	18	18	18	18	19	19	20	20	21	21	22	22	23	23	24	25	26	26	27	28	29	30	31	1

Figure: 2

Add the total value of the right-hand digits plus 1 for consistency over the total value of the left-hand digits plus 1 for consistency					
Digit #	1	2	3	4	5
Number Assigned	2	4	8	1	16
Number Assigned	1	4	8	2	16
Digit #	6	7	8	9	10

Figure: 3

This would mean that digit numbers 1 and 3 (the values of 2 + 8 = 10 + 1 for consistency = 11 as the numerator) for the right-hand display of whorl patterns. And digit number 9 (the value of 2 + 1 for consistency = 3 as the denominator for the left-hand display of a whorl pattern. Figure 3 shows the numerical values assigned to each digit.

It can be noted that in figure 4, 11 over 3, 3 over 8 and 10 over 28 are included and it is these Primary Classifications that create the geometric display. The classifications in which a line goes through are intersected. Notwithstanding, any classification within the interior of the geometric display which is not included or intersected by the geometric design is therefore encompassed within the extended geometric area. The included classifications are compatible personalities. The intersected classifications are incompatible with 11 over 3, 3 over 8 and 10 over 28. The encompassed classifications can be controlled by the person of classification 11 over 3 in particular and 3 over 8 and 10 over 28 as well.

The length on all four sides of the chart must be 9131 units of measurement to provide a perimeter of 36524 units of measurement [1-4].

Example Using the First Reference Sequence

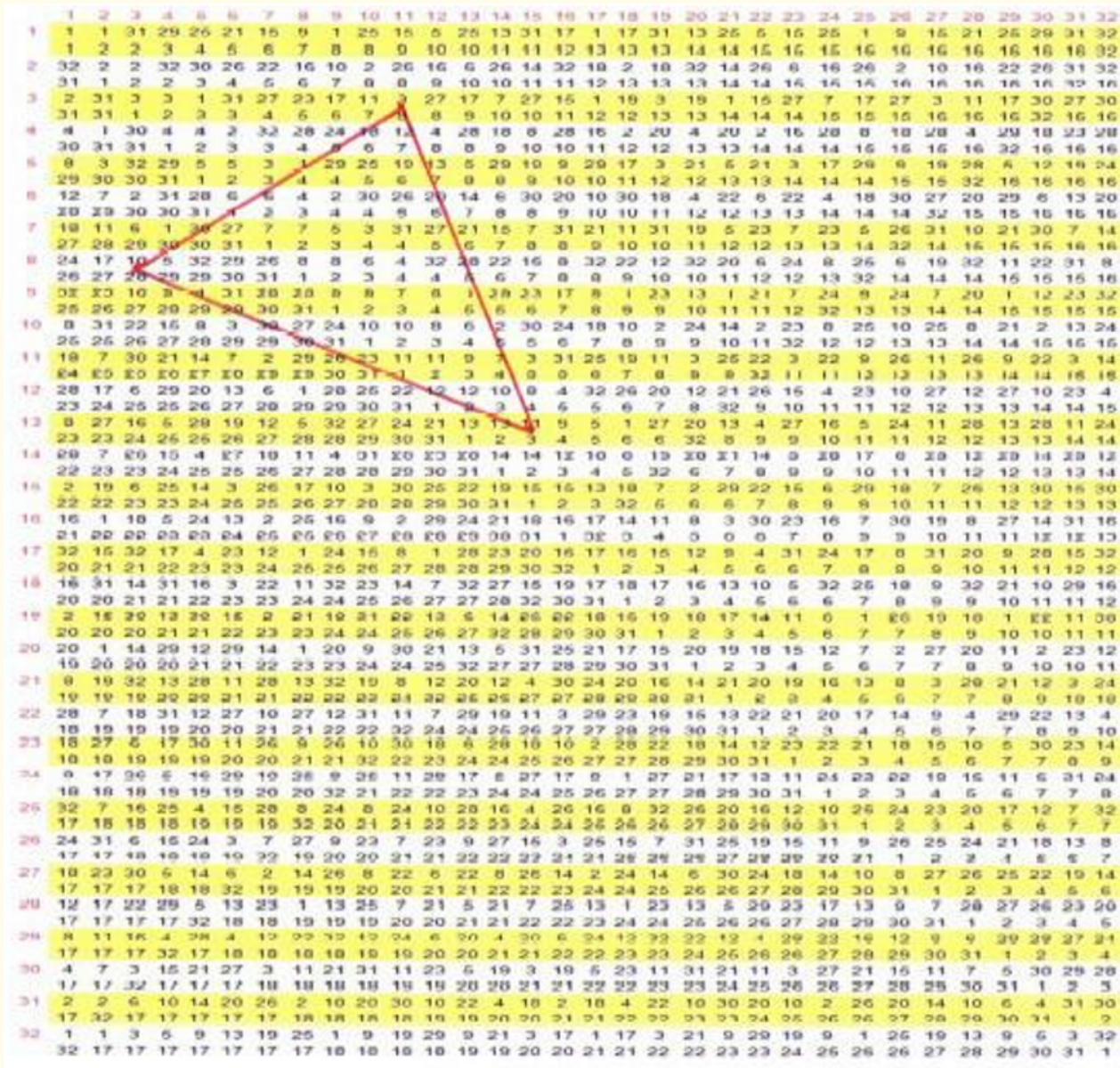

Figure: 4

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Volume 7 Issue 10 October 2018

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