DECODE A XADDRESS BY HAND

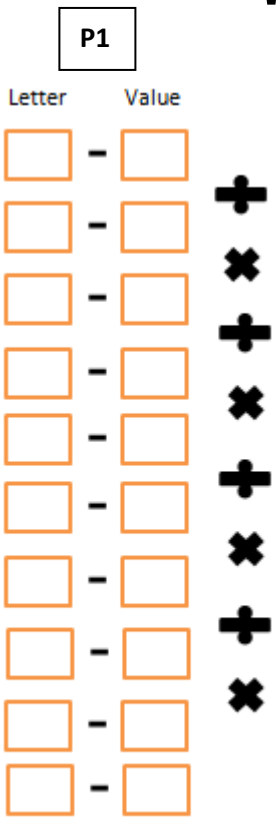
This guide will show you step by step how to decode a Xaddress by hand

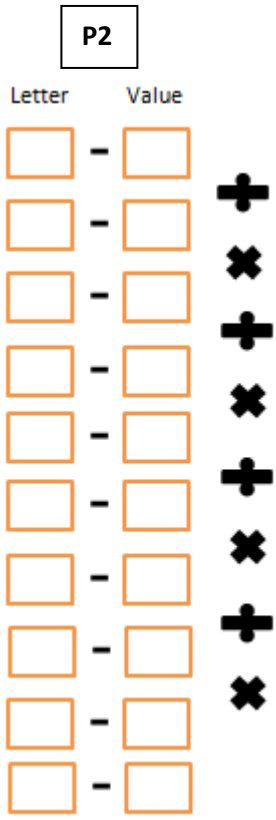
DECODED LOCATION BOX

XADDRESS BOX

WORDS BOX

TABLE 1	
LETTER	VALUE
A	65
B	66
C	67
D	68
E	69
F	70
G	71
H	72
I	73
J	74
K	75
L	76
M	77
N	78
O	79
P	80
Q	81
R	82
S	83
T	84
U	85
V	86
W	87
X	88
Y	89
Z	90
Ñ	209





STEP 1 - Write down the Xaddress in the XADDRESS BOX.

Xaddresses contain 1 or 2 words and a number in the first line, the first step is to write it in XADDRESS BOX according to the following rules:

IF THE ADDRESS BEGINS WITH A NUMBER AND HAS 2 WORDS:

Example: **7150 MAGICAL PEARL**

You will write down the XADDRESS BOX filling in the P1, P2 and N tags like this

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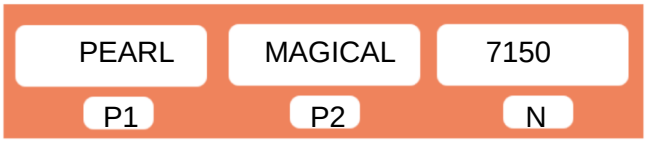
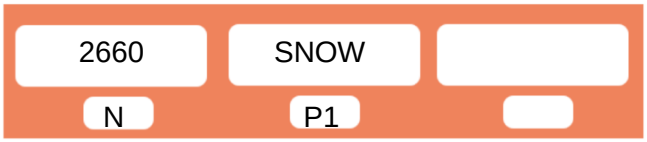
IF THE ADDRESS CONTAINS 2 WORDS AND A NUMBER:

Example: **PEARL MAGICAL 7150**



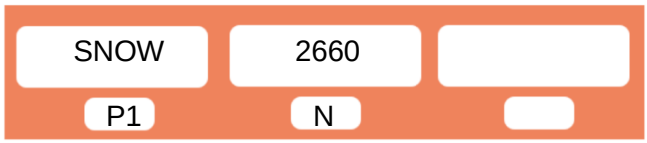
IF THE ADDRESS BEGINS WITH A NUMBER AND HAS ONE WORD

Example: **2660 SNOW**



IF THE ADDRESS BEGINS WITH A WORD AND HAS ONE NUMBER

Example: **SNOW 2660**



STEP 2 - Write down the Number in DECODED BOX.

Take the first two digits of the box tagged with N, and write them in the box LA2 of decoded location, take the last two digits of the box tagged with N and write them in the box LO2.

Example: If the address is **7150** MAGICAL PEARL, write **71** in box LA2 and **50** in box LO2

STEP 3 - Process the word tagged with P1

Take the word marked with P1 and type each letter in the orange WORD BOXES below, look for the ASCII letter correspondence in the TABLE1 and enter his value.

For example if P1 is PEARL

Then divide and multiply each value successively given the greatest possible number of decimals.

In this case:
80 / 69 * 65 / 82 * 76

From the result of the operation, take the first 4 characters after the comma, in this case **8480**

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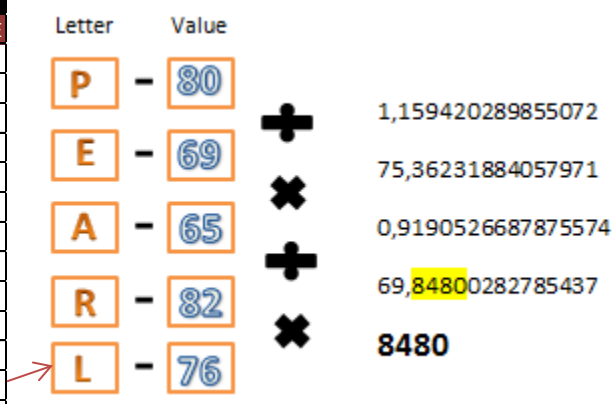
Q	81
R	82
S	83
T	84
U	85
V	86
W	87
X	88
Y	89
Z	90
Ñ	209

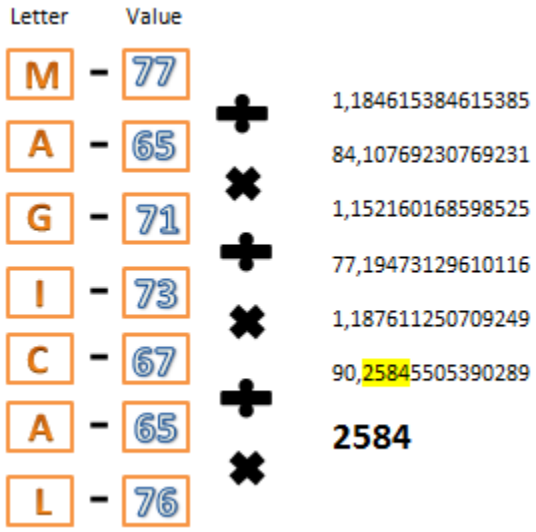


STEP 4 - Write the P1 result in DECODED BOX

Enter the first two characters in the box LA3, and the last two in the box LO3, in this case the resulted number from P1 was **8480** so we will write **84** in LA3 and **80** in LO3

If P2 exist do the same again with that word.
Example: If P2 is MAGICAL

We write each letter and the value from Table1, divide and multiply, and take the 4 characters after the dot



STEP 5 - Search for the country table

Each country has a table in http://github.com/roberdam/Xaddress/by_hand/tables , open the table of the address country

Example: for the Xaddress

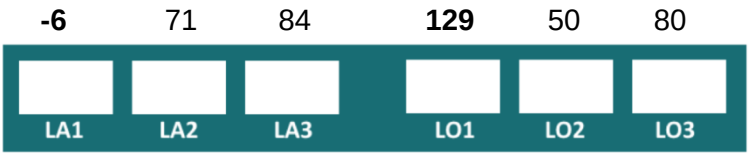
7150 MAGICAL PEARL
Maluku
Indonesia

We open the table for INDONESIA and search for MALUKU

Indonesia

Bali - get the first digit and search the equivalence										
1 = -8,114	2 = -8,115									
Bangka–Belitung Islands - get the first 2 digits and search their equivalence										
01 = -3,105	02 = -3,106	03 = -3,107	04 = -3,108	05 = -2,105	06 = -2,106	07 = -2,107	08 = -2,108	09 = -1,105	10 = -1,106	11 = -1,107
12 = -1,108										
Banten - get the first digit and search the equivalence										
1 = -7,105	2 = -7,106	3 = -6,105	4 = -6,106	5 = -5,105	6 = -5,106					
Central Java - get the first 2 digits and search their equivalence										
01 = -8,108	02 = -8,109	03 = -8,110	04 = -8,111	05 = -7,108	06 = -7,109	07 = -7,110	08 = -7,111	09 = -6,108	10 = -6,109	11 = -6,110
12 = -6,111	13 = -5,108	14 = -5,109	15 = -5,110	16 = -5,111						
Central Kalimantan - get the first 2 digits and search their equivalence										
01 = -3,110	02 = -3,111	03 = -3,112	04 = -3,113	05 = -3,114	06 = -3,115	07 = -2,110	08 = -2,111	09 = -2,112	10 = -2,113	11 = -2,114
12 = -2,115	13 = -1,110	14 = -1,111	15 = -1,112	16 = -1,113	17 = -1,114	18 = -1,115	19 = -0,110	20 = -0,111	21 = -0,112	22 = -0,113
23 = -0,114	24 = -0,115	25 = 0,110	26 = 0,111	27 = 0,112	28 = 0,113	29 = 0,114	30 = 0,115			
Central Sulawesi - get the first 2 digits and search their equivalence										
01 = -3,119	02 = -3,120	03 = -3,121	04 = -3,122	05 = -3,123	06 = -3,124	07 = -2,119	08 = -2,120	09 = -2,121	10 = -2,122	11 = -2,123
12 = -2,124	13 = -1,119	14 = -1,120	15 = -1,121	16 = -1,122	17 = -1,123	18 = -1,124	19 = -0,119	20 = -0,120	21 = -0,121	22 = -0,122
23 = -0,123	24 = -0,124	25 = 0,119	26 = 0,120	27 = 0,121	28 = 0,122	29 = 0,123	30 = 0,124	31 = 1,119	32 = 1,120	33 = 1,121
34 = 1,122	35 = 1,123	36 = 1,124								
Daerah Istimewa Yogyakarta - get the first digit and search the equivalence										
1 = -8,110	2 = -7,110									
Maluku - get the first 2 digits and search their equivalence										
01 = -8,125	02 = -8,126	03 = -8,127	04 = -8,128	05 = -8,129	06 = -8,130	07 = -8,131	08 = -8,132	09 = -8,133	10 = -8,134	11 = -7,125
12 = -7,126	13 = -7,127	14 = -7,128	15 = -7,129	16 = -7,130	17 = -7,131	18 = -7,132	19 = -7,133	20 = -7,134	21 = -6,125	22 = -6,126
23 = -6,127	24 = -6,128	25 = -6,129	26 = -6,130	27 = -6,131	28 = -6,132	29 = -6,133	30 = -6,134	31 = -5,125	32 = -5,126	33 = -5,127
34 = -5,128	35 = -5,129	36 = -5,130	37 = -5,131	38 = -5,132	39 = -5,133	40 = -5,134	41 = -4,125	42 = -4,126	43 = -4,127	44 = -4,128
45 = -4,129	46 = -4,130	47 = -4,131	48 = -4,132	49 = -4,133	50 = -4,134	51 = -3,125	52 = -3,126	53 = -3,127	54 = -3,128	55 = -3,129
56 = -3,130	57 = -3,131	58 = -3,132	59 = -3,133	60 = -3,134	61 = -2,125	62 = -2,126	63 = -2,127	64 = -2,128	65 = -2,129	66 = -2,130
67 = -2,131	68 = -2,132	69 = -2,133	70 = -2,134	71 = -1,125	72 = -1,126	73 = -1,127	74 = -1,128	75 = -1,129	76 = -1,130	77 = -1,131
78 = -1,132	79 = -1,133	80 = -1,134								

In this case in MALUKU it says “get the first 2 digits and search their equivalence”, for our example with the result number **2548** of P2 we take the first 2 digits, **25** and search the Maluku entry where we find that **25** correspond to -6,129, with this info we fill the box LA1 with -6 and LO1 with 129 on the DECODED BOX



With that info we have decoded our XADDRESS where:

7150 MAGICAL PEARL – Maluku, Indonesia is located on:

-6.7184, 129.5080