Code System - SOYCD

Nitin Sauran I Yujing Tang **Feb 7, 2022**

Message Example **Hello !**

Original Position of hands

Addition of 300 deg in **left hand**
Addition of 0 deg in right hand

Addition of 60 deg in **left hand**
Addition of 0 deg in right hand

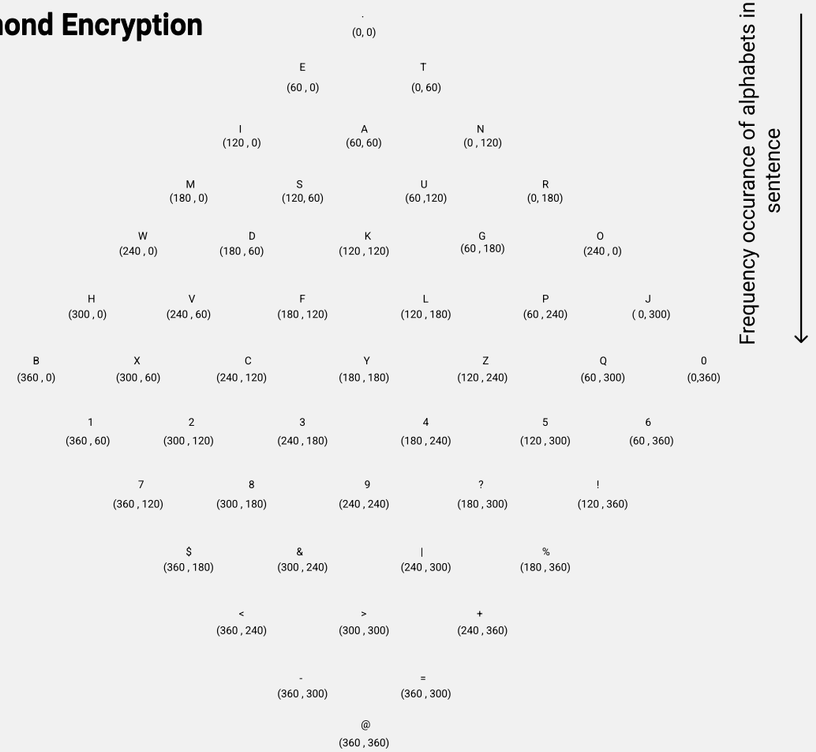
Addition of 120 deg in **left hand**
Addition of 180 deg in **right hand**

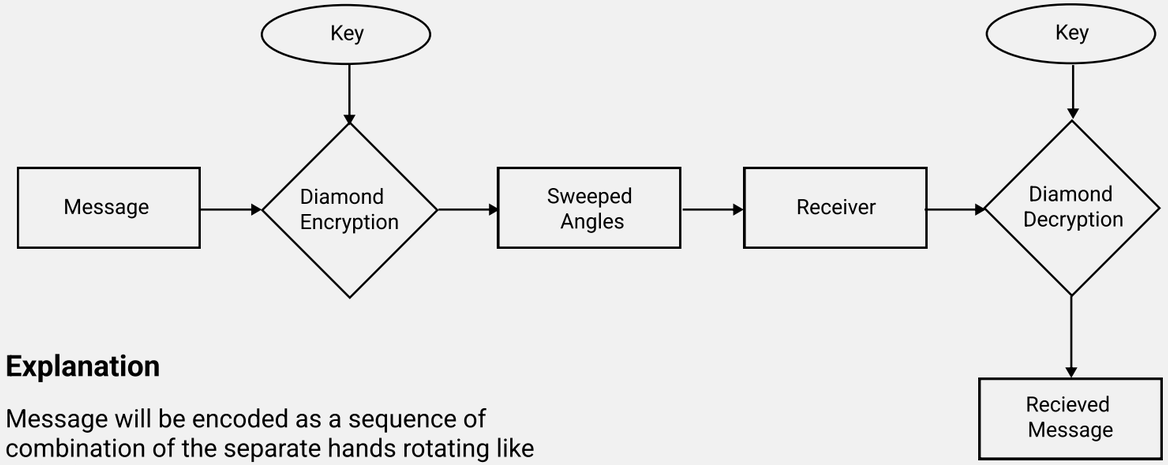
Addition of 120 deg in **left hand**
Addition of 180 deg in **right hand**

Addition of 240 deg in **left hand**
Addition of 0 deg in right hand

Addition of 120 deg in **left hand**
Addition of 360 deg in **right hand**

Diamond Encryption





Explanation

Message will be encoded as a sequence of combination of the separate hands rotating like a clock.

The sender will see the Code Table to encode the message.

The combination of the each arm's angle of increment forms an unique parameter (Δx,Δy) that represents a character or number.

The reciever will check the key and decode the recieved message

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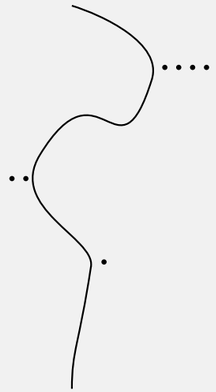
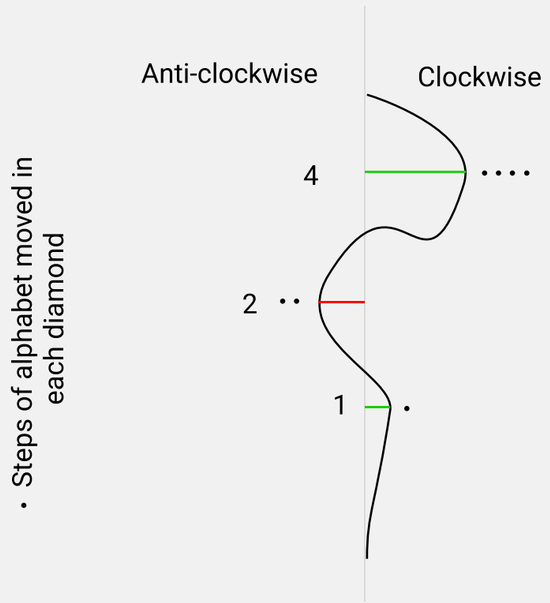
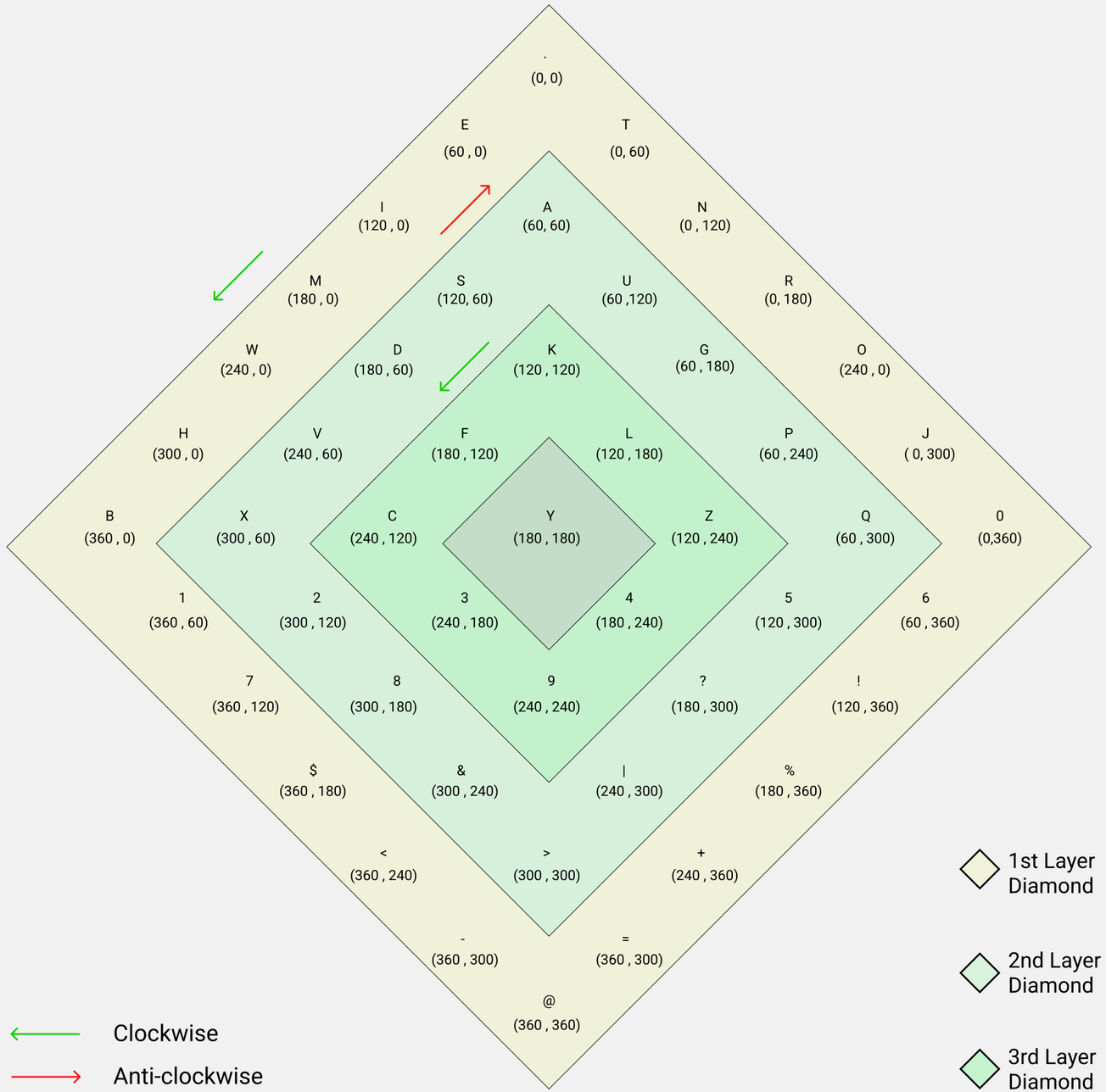
Key for receiver



Key Breakdown



Diamond De-cryption



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Letter	Δ Angel
A	(60,60)
B	(360, 0
C	(240, 120)
D	(180, 60)
E	(60, 0)
F	(180,120)
G	(60, 180)
H	(300, 0)
I	(120, 0)
J	(0, 300)
K	(120,120)
L	(120,180)
M	(180, 0)
N	(0, 120)
O	(240, 0)
P	(60, 240)
Q	(60, 300)
R	(0, 180)
S	(120, 60)
T	(0, 60)
U	(60, 120)
V	(240, 60)
W	(240, 0)
X	(300, 60)
Y	(180, 180)
Z	(120, 240)
0	(0, 360)
1	(360, 60)
2	(300, 120)
3	(240, 180)
4	(180, 240)
5	(120,300)
6	(60, 360)
7	(360,120)
8	(300,180)
9	(240,240)