```
a 01 01 b 02 02 c 03 03 d 04 04 e 05 05 f 06 06 g 07 07 h 08 08 i 09 09
j 10 01 k 11 02 l 12 03 m 13 04 n 14 05 o 15 06 p 16 07 q 17 08 r 18 09
```

s 19 01 t 20 02 u 21 03 v 22 04 w 23 05 x 24 06 y 25 07 z 26 08 1 a j s 2 b k t (11 -> 2) 3 c l u 4 d m v (22 -> 4) 5 e n w 6 f o x (33 -> 6) 7 g p y 8 h q z 9 i r

https://en.wikipedia.org/wiki/Luoshu_Square

Here is a simple algorithm in Rust that converts a letter from the first set to the second set:

```
fn convert_letter(c: char) -> char { let
offset = (c as u8 - 'a' as u8) * 2 + 1
;  (offset as char).to_uppercase().next().
unwrap()}
```

And here is the algorithm to convert a letter from the second set back to the first set:

```
fn convert letter back ( c : char ) -> char {
  let offset = ( c as u8 - ' A'
                                  as
                                     u8 )
         (offset as char + 'a'
                                  as u8)
as char } assert_eq! ( convert_to_number ( " abc " ) ,
123); assert_eq! (convert_to_number ("jst"), 578
); assert_eq! (convert_to_letter (123), "abc");
convert_to_number (s: & str) -> u32 {
mut result = 0; for c in s. chars() {
  let offset = (c as u32) - ('a' as u32)
        result = result * 10 + (offset / 3)
         } result } fn convert_to_letter (n:
u32) -> String {
                   let mut result = String ::
new ( ) ;
         let mut n = n; while n > 0 {
     let digit = (n % 10) as u8 - 1;
                result. push (((digit * 3)
   n / = 10;
```

```
+ 'a' as u8) as char); } result. chars
(). rev(). collect()}
```