CSS CUSTOM ALGORITHM

Shubham Mankar, 7948 TE Computer

Using Diffie Hellman or similar algorithm
the sender and the receiver deads upon
a large number K to use as the base
key.

Divide the message into blocks of 10 characters, further divide the block into sub-parts of 2 characters.

here, the key k must have 6 digits or more.

This initial key is called the BASE KEY.

From this base key, we consider the 5 MSBs.

Thus you get K' which is a 5-digit number.

If A

K' has dishnot digits

PROCEED FURTHER

K' doesn't have
distinct digits
DO THE POLLUWING:

- 1 Subtract 1 from KI
- 2) Square K' and the 5 MSBs of the 8quare becomes the new K'.
- 3 60 to A

Now Mat K' has distinct digits, consider the following matrix:
$$2 3 4 58$$
 $2 A B C DE Sample K'$
 $3 F G H I K = 48325$
 $4 L M N OP$
 $5 O R S T U 23458$
 $8 V W X Y Z$

- · now, awange me K' digits in ascending order and align them with the above matrix as shown
- · using k', rearrange the motive

rearrange 2 C E B A D columns 3 H K G F I
$$\frac{1}{2}$$
 N P M L 0 $\frac{1}{2}$ S S U R Q T $\frac{1}{2}$ 8 X Z W V Y

 Slep 2
 4
 8
 3
 2
 5

 rearrange
 4
 N
 P
 M
 L
 0

 rows
 8
 X
 Z
 W
 V
 Y

 3
 H
 K
 G
 F
 I

 2
 C
 E
 B
 A
 D

 5
 S
 U
 R
 Q
 T

This is the final matrix for Block 1.

Using the Playfour cipher sules, the characters in the sub-blocks within the block will be enoughted.

After this encuption, we generate a new K!. Let us call it K".

K'' => solect $\le MSB$ of $(K')^2$ after this proceed to the next black and go back to A

for the above example, $K'' = A (48325)^2$ K'' = 29741

Thus a new matrix will be generated for each block at both sides. This matrix will be used for encryption and decryption.

·		