Quantition-1

Gred (56, 15) =
$$562 + 159$$

Step-A

 $a=9/b+94$
 $0 = 3*[5+1]$
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Therefore
$$1 \Rightarrow (15 * 15) - (4 * 56)$$
 $2 \Rightarrow -4$
 $4 \Rightarrow 15$
 $4 \Rightarrow 15$
 $5 = 15$
 $3 = 3$
 $2 = 15$
 $2 \Rightarrow -4$
 $3 = 3 = 2$
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Vouifi cation

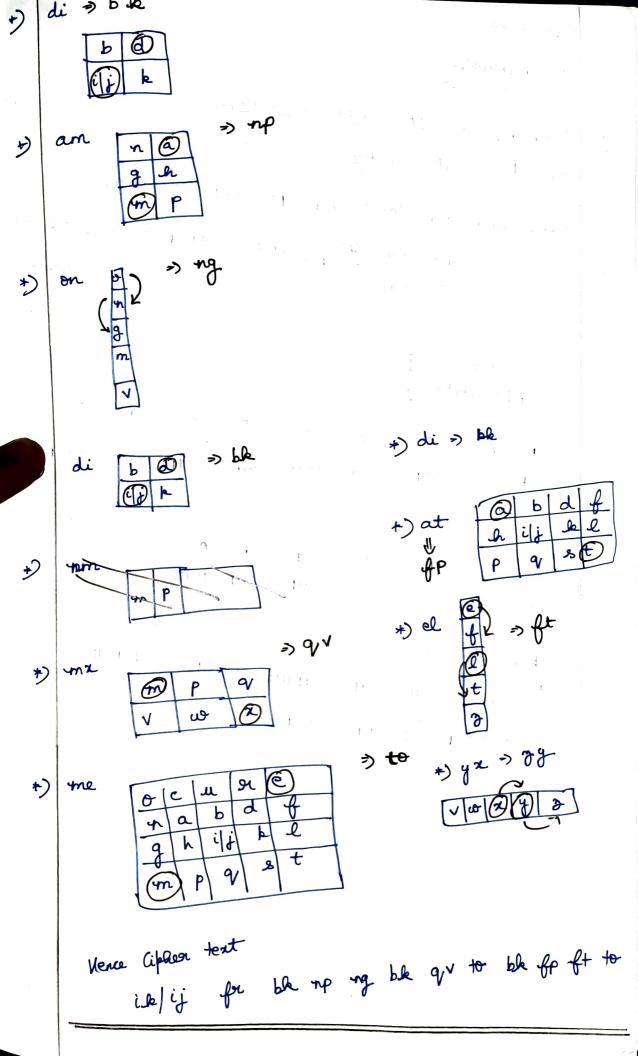
$$562 + 15y > 56 (15) + 15 (-4)$$

$$562 + 15y > 56 (-4) + 15(15)$$

$$662 + 15y > 1$$

Hence proved.

plain text > " Hide diamond immediately" bey » 'Occusiona' Algorithm. Bayfain apples peffichelpe step-A (Key Hotour) 2) 3) 4) e c u g | f d Ь a n e ilj k h + 9 P m 3 S Step-B (splitting /4 the plain text) hi de di am on di mz me di at & gz Step-c (Encouption) Lies on the same row => immediate right Lies on the same columns immediate low lies on the different row, different column >> Diagonal hi [same row] > ik jk n O spa



DES algorithm Given by K> 1AD33F34560 1071A Grenerate 48 bit Rub-bay Nexa-Decimal value for the boy > 1AD 33F345601071A Decimal value for 3 => 49 65 68 51 51 70 51 52 53 54

the bey *) Birary ? Representation 0011 trit 1100 0011 1101 1000 0000 0111 0001 0001 0000 0 001 1010 11010011 0011010 0010100 00000111 00010100

same but ans >0 different bit are -> 1

6)