Crangle

step 1 key Generation

det 9 dans P= 7 and q= 19.

2) Het 11 = Page = 7x19 = 133

3) Let m = (p-1)(q-1) = (7-1)(19-1)=108

4.) chose a mall number, e coprine to m,

(ged Ww 2 is 1).

e=2 => GCD(e,108)=2

e=3=0 GCD(e,108)=3

e=4 => GCD (e>108)=4

e=5=) G()(e,108)=1 (rome con take).

5-) nom frid d w+ de% m = 1.

finis can be remuller as.

d = (I+nm)

Juan, me Veep iderating the dist where N∈ W

n=03) dz 1/5

N2 1 -7 d2 109/5

n=2 2) d= 217/5

N= 3 2) d= 325/5 2 65

non, me mill dahe up this value for d.

м, PKZN=133,e=5 SK=N=133,d=65.

Nort Step >

non; mersoge must be emaller fram pard q...

$$C = \rho^{e} / (0) = 0 6^{9} / (133)$$

$$= 62$$

Decryption.

P = c d 0 /0 n.

Mis is reperted tutt me reach right

$$62 \times 95^{2} \times 133$$

$$62 \times 43\% \times 133$$

$$2666 \% \times 133$$

$$= 6$$

this nutches PT (plais tears) so, it