DÍA MES AÑO

"El deseo de escribir aumenta a medida que se escribe"

First mutiplying 2 prime numbers p and q

$n = p \times q$

$n = 233 \times 349 = 81117$

$\varphi(n) = (p-1) \times (q-1)$

$\varphi(n) = 232 \times 348 = 80616$

choose value between 100 and φ

$e = 65537$

$d = e^{-1} \pmod{\varphi(n)} \rightarrow 24269$

public key $(e, n) = (65537, 81117)$

private key $(d, n) = (24269, 81117)$

$m = 75$

$c = m^e \pmod{n}$

$c = 75^{65537} \pmod{81117} = 40077$

decrypt c

$m' = 40077^{24269} \pmod{81117} = 75$