Blocardian:
$$b^{n}-1 = (a-1)(b^{n}+b^{n}+\cdots+1)$$
 $b^{m}-1 = (a^{m}-1)(a^{m}+\cdots+1)$
 $2^{m}-1 = (a^{m}-1)(x^{m}+\cdots+1)$
 $2^{m}-1 = (a^{m}-$

 $f(x) = 1 \quad f(x) = 1$ gut n=a (inhiby they are s(a) $f_m(a)$ + f(a) $f_n(a)$ =) , s(a) $f_m(a)$ + f(a) $f_n(a)$. $f_{m,(a)}$ ($f_{m,(a)}$ are $f_{m,(a)}$ are $f_{m,(a)}$ Silver Poholig-Hellman exponentintion chiphun. e en s.t. oce < p ?

Sealled expount. det β be β in 8 $gcd(e, \beta-1)=1$ $\left(\underbrace{\varepsilon.\mathfrak{z},}_{\mathfrak{p}}, p=2\mathfrak{I}, e=3, 5, \mathfrak{s}, \mathfrak{I}\right)$ $\mathcal{L} : \mathcal{L}_p \longrightarrow \mathcal{L}_p$ $|U(\mathbb{Z}_p)| = p-1$ i.-. de = 1 mod p-1 sine ged (2, 1-1)=1 3 8 t 3e = 1 med b-1 Plan fext HELLO $A = \{2A = 0, -1, -1, Z = 25, ! = 26, -27, ? = 28\}$)=29 & drom e=3. d=19 (20 hal

$$\mathcal{L}(H) = 7^{3} = 7 \times 20 \text{ mod } 29 \\
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Have then are two you of keys (1) public key (2) private key

The private key is known to the receiner only.

The public key is kin jublic domen. After encryption the messesse is sent & any one can selit The recieur can drayet the message wing the private try. So the se keep are generated by the reciever & the public key is announced.