$$P = 13$$
 $S = 7$

Alice

 $S = 7$

Alice

 $S = 7$
 $S = 7$

N=5 A= 3 A mod 13 = 95 mod 13 $= \left(74\right)5$ $= \left(74\right)5$ =720 =720 mod13

enodt > a.

No "good" algorithm

io known

number of into relatively prime

pay - p - q + 1 pay $= \phi \left(\sqrt{-1} \right) - \left(\sqrt{-1} \right)$ $=\left(\begin{array}{c} \left(\begin{array}{c} \left(\right) \right)} \right) \right) \\ \end{array} \right) \\ \end{array} \right) \\ \end{array} \right) \end{array}\right) \end{array}\right)$ $\Theta(\mathcal{H}) = (\mathcal{H})(\mathcal{H})$

Encryt (m, 7, 55) M = 17C = mod m 7 mod 55 decrypt (c., d, n)

mod 55 = $\left(2^{15}\right)^{7}$, 2^{9} mod 5^{5} 2 (215) 4 mod 55 2 3 4 mod 55 2 15 mod 55) mod 55) mod 55 2 3 mod 55 2 2 mod 55 5 = 1. 17 mod 55

Agrada & multiply Sign (m, d, N) J= H(m) mod M Nerisy $(\mathcal{M}, \mathcal{O}, \mathcal{N})$ · Omod Ni

MySign (m) D=H(m)mod N = H(m)mod N My Verity (m, T, A) if mod n = m Op accept O/P reject.