RSA

1. Toologua ua upacrory - upocrcue zagara a Ecne nee N=P.Q, 1ge P,Q-gla Jonne

hpoetux rucha to paz nonceme N - zagara факторизации, не решается за полином.

ASovert CERP KNOT OTED KALOZ

NA = PA QA, CA dA = 1 mod Q(NA) da, NA Anuca CA dB, NB NB = PB QB, CB dB = 1 mod Q(Na) Dot

Mapa Cidi naxogutes no anoputing Ebeniga (echu получили отринательное то прибавляем (Р.-1) (Q:-1) а C_i - chyratiuse baumus upocroe $c(P_i-1)(Q_i-1)$ $(P_{i}-1)\cdot(Q_{i}-1)=\varphi(N_{i})-\varphi-9$ $\partial \bar{u}_{n}epa$

Tepegora cooryeuns: A: (1) X = m dB mod NB

 $y = X^{C_B} \mod N_B$ (m-coodyewe)

 $\frac{9-60}{9}$: $y = x^{e_{B}} = m^{d_{B}e_{B}} = m^{4}$

Trump PB = 5, QB = 11, m=2, CB = 4 (By MADOCTOR C (P-1)(Q-1)) Maxanegeuve de X= 2 2 mod 55 = 8

y = 82 mod 55 = 2 5 1 -5 div=5

2 -1 6 div=1 1 3 -17 1 1 = 2 Thurabaseur vo => 23