Ментальный покер



Jagora pazgats npabunouy α rectuy to unpy β unterprete Municumzupyem rucho unposob - 2 u sapt - 3

Anuca, β 05, sapter α 00 or 10

Pazgato 1 Карту Алисе (тольи она должи знать)
2 Карту Бобу (-11-)
3 Oдна должна остаться в прикупе)

Bepostuces nongreuns bex capt gonneur Sur pobuomepuon

A: (1) CA dA = 1 mod (P-1) c budupactice engraines,

d'unercs c nomovious story and Eben

 $R_1 = \langle 2,00 \rangle$ $R_2 = \langle 2,01 \rangle$ $R_3 = \langle 2,10 \rangle$

1. Anuca crutaet be $x_i = R_i^{C_A} \mod P$, i = 1, 2, 3 u bucunaet bee ux \overline{DoJy} repenseural b engration nops give

2 505 budupart ogus x engravius a ornpalment Anuce (uamp x2)

- 3. Алиса получила карту 01 (В)
- u 505 buruchaet gra octabulika X_i $y_i = X_i$ mod P i = 1i,3 u nepewerab, othopabraet Aruce
- 5. Anuca butupaet ogun y, crutaet Z = y and P u bucunaet F by 6. For buruches $W = Z^{d_B}$ and P u nonyeas R:

Trump P = 23 $C_A = 3$ $d_A = 15$ $\alpha_1 = 01$ $R_1 = 0100$ $C_B = 5$ $d_B = 9$ $\alpha_2 = 11$ $R_2 = 1101$ $R_3 = 1010$

 $X_1 = R_1^{CA} \mod P = 4^3 \mod 23 = 64 \mod 23 = 18$ $X_2 = 12$

Dos buspan X1 - Anuce gooranocs capia d

 $y_1 = X_2^{C_B} \mod P = 12^5 \mod 23 = 18$ $y_2 = X_3^{C_B} \mod P = 11^5 \mod 23 = 5$

Anuca busupaet y2, z = y2 da mod P = 19

505 nongraet zu buruchset w= 2 dB mod P=10 = 1010 = R3