Chure calculeon invent molitar?

Exista pentuca ged (21,26)=1. Aven (cel pulin) dona metrole! 1) Teorens (Eules) MEH+, a EH uged (e,u)=1 $\Rightarrow \alpha^{\varphi(u)} \equiv \underline{\lambda} \pmod{u}$ 4(11) = coud &2 (241, 2 divine allients, god (2,14)=15 · A(b) = bT , W= b-3 => 6(m) = (b-T) (2-T) N=P1. Phum. P_1-1)P1. (P2-1)P2. $\frac{||u||_{\alpha}||_{\alpha}}{||u||_{\alpha}} = \frac{||u||_{\alpha}||u||_{\alpha}}{||u||_{\alpha}} = \frac{||u||_{\alpha}}{||u||_{\alpha}} = \frac{||u|||_{\alpha}}{||u||_{\alpha}} = \frac{||u$

Revenuel la exemple f(26) = f(2.13) = 1.12 = 12 $\Rightarrow 21^{-1} = 2^{11} \text{ (vol 26)}. Acum aux bours fiert$ publime la cexponentière. Hue complicat dansmu verele must moré?

Exponentièrea rapida (G1.) unvid geG n.aetH. Vieu og calculaju. eficient ge (du munidal G). · Saien a = Z ai. zi (socierea sinara a luia), ai ∈ žo, ij $\Rightarrow Q^{\alpha} = Q^{\sum_{i=0}^{k} a_i z^i} = \frac{k}{1!} \left(Q^{z^i} \right)^{\alpha_i} = \frac{k}{1!} Q^{z^i}$ $\Rightarrow Q^{\alpha} = Q^{\sum_{i=0}^{k} a_i z^i} = \frac{k}{1!} Q^{z^i}$ $\Rightarrow Q^{\alpha} = Q^{\sum_{i=0}^{k} a_i z^i} = \frac{k}{1!} Q^{z^i}$ $\Rightarrow Q^{\alpha} = Q^{\sum_{i=0}^{k} a_i z^i} = \frac{k}{1!} Q^{z^i}$ $\Rightarrow Q^{\alpha} = Q^{\sum_{i=0}^{k} a_i z^i} = \frac{k}{1!} Q^{z^i}$ $\Rightarrow Q^{\alpha} = Q^{\sum_{i=0}^{k} a_i z^i} = \frac{k}{1!} Q^{z^i}$ $\Rightarrow Q^{\alpha} = Q^{\sum_{i=0}^{k} a_i z^i} = \frac{k}{1!} Q^{z^i}$ De ceici avem. (puleule)

1. - calculatu nuccerist patrolele qui i=0,1k

Obnervanuca que (qui) docinenidica la patrol

puleure pur ordenta:

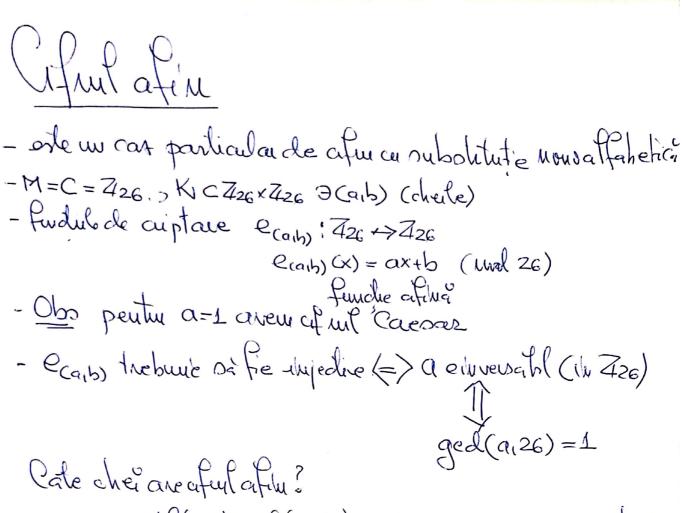
2. recalculatia purbunt acaba que pentuccase qi=1. Freugh (continuare) $1 = 2^{3} + 2 + 1 \Rightarrow 21 = 21 \cdot 21 \cdot 21 =$ = 25.1.21 =5 (wh 26) 21 25 $2|_{2}^{2} = 25 \times 1$ $2|_{2}^{2} = 4$ All exemple 107 (wol131) 101 = 26 + 25 + 2 + 1 $107^2 = 52$) $107^2 = 84$ $107^2 - 113$ 10727 = 62, 10726 = 45 107.26=60 => 60.45.84.007-112.

Terreus (algorit ut lui Euclid extins) KE ROIRLETH, ROYRA \ \(\bar{P}_0 = 2_1 \cdot \bar{P}_1 + \bar{P}_2 \\ \bar{P}_1 = 2_2 \cdot \bar{P}_2 + \bar{P}_3 \\ \delta = 2_1 \cdot \bar{P}_2 + \bar{P}_3 \\ \delta = 2_2 \cdot \bar{P}_ 0< R2< R1 0< R3< R2 : | Rw-2 = 2w-1. Rw-1+Rw O<Rw-2 | Rw-L = 2w. Rw | alg lui Euclid ged(Ro, Ro) = Rw. View al (woln) = 900 (on) =1 taces M= Ro in a=RI · Déférelle récents. recoents to, le, ..., lu pule. to =0, 1=1, ti=ti-2-2i-1 (wol Ro) 1>2 mud 2, sur commbre défente maines. Teorena + jelim R; = tj. Rs (ml Ro) ende 2; i l; mildefindede alg Enclid vant; de valadure de receventa de vici rus.

(2) (altfale)

1=1-2, 1=1 +1=1-2, 1=1

#



9(26)=9(2.13)=12.=> aver 12x26cher

· finature de cleanplace dans: 420 > 720 d'(9b) (4) - a'(4-b) (wd26.)

aful Hill.
- exemple de afu au substitute polialfabelica
- invental de lestez S. Hiff in 1929
$M = C = \frac{\pi}{426}$ (fixew m)
KC Mu (426) × 426
$e_{(A,b)}$: $4z_6 - 74z_6$
eab (x) = A=xt+bt
- View C(A,b) - Impedior (=> A E My (Zzo) - Huversalla
gcd (det A, 26)=1.
ged (det A, 26)=1. - Obs Pentin a evida complication en del A se vici adaga morte shirthani la cole 26 libre pla office en made pulm de shirthani ai Ainverafila (=> del A+0.
Mai aduga morte shuhilini la cole 26 libre pla office
en mide prim de shuhotren ai Ainvergtita (=> delA+0.