ETem TW10_311 (1) 1. Descompaniel in factor prime municipal 2. Cate effe are un pensade numani 223 Soll. N=2+1=(2+1)(2=216+1)

- Fre prim en \$\left(2\frac{16}{41}.\)
Atuna 2\frac{1}{2}-1 (mod p) \\
2\frac{32}{2}1 (mod p) \\
2\frac{32}{2}1 (mod p) \\ Jan 3228/(2)/+1 → p = 1 (mod 32)

N = 62337 971N 2572 = (28H) 2 2/2 2/1 >

Ditucat to orice nr. pour pen cu p 4 VN avecu ptn, N e pour.

(N222+1) 7,22+1=3 57,22+125;

7-22 +1 = 17; 7-3 = 22+1 = 207; F4=N PERMAT!, Roate Tn = 22+1 druly pulme

EULER 22 75 = 22+1 = 22+2.54-2.54+1 = (2) o Fre p Jonin on p12-2+1= 12/2+1

Atuaci 2/2-1 (modp) }=)(y(2)19618/28/8

2/2-1 (modp) } =)(y(2)19618/28/8 Xp(2)∈3349b3. 8, (2) =32 =) 2 = 1 (modp) { (21p)=1 = 16 (modp) } 2 = 1 (modp) } pzN. jonin p12HzW Atua 2 2 16 1 = 01 | 232 - 2 6 + 1 = (2 + 1) - 3 2 6 - 1
2 (6+1 | 3.2 16, 46 (generally de TP ANDE) (Sou de conseinet une-lisati \$ 1/6+1 (3) Ramany dear (à /(1) = 96. Ce armore, 96 = 8p(2) 19-1, den 1 =1 (mod 97)

M = 232 26+1 = 65536.65535+1=4.294901.761= = 193 (22, 253, 377). 577 1 Li 673 1 Li 1937 1 48/1/ 1057+L; 1131L; 1027 196 769163 144ML; 1537+L3 1249 11 1 伊297し、1921十し; 1633+63 2113th; 2497th; 2017/1 3 25931L; 26897L; 28817L; 29771L; 336HL; 345+4L; 31697L j 3073/1 9 3553/L; 3649/L; 3649/L; 3841/L; 3937/L; 4033/L; 4033/L; 4417763 451371 3 4609713 4703863 4799 > The decimercable de pet opi avai. I andusta e car le La unure, descourpunerea lui 2/6+1
m factal pin'm' este 193.65537.22233377.

10 00

 $\frac{2}{\sqrt{1-2}} = 0, (a_1, a_2, ..., a_t) = \frac{a_1 a_2 ... a_t}{10^t - 1}$ 78, a, 1, 1, at) -1 (=) 2023 /10-1 (=) 10 =1 (mod 2023) (2023(10) t De fapt, mois, inumateul als cifre du perter del dui 2023 motesmois CEL MAI MIC astfel de tear, aduca y2023 (10). Mad Februke, does de Jaston pe / 2025 Der Y2013 (10) = 0xd 10 = 4(323) = ord ((3, to)) = ord (3, To) = U(2, x2) ((2, 10)) = U(2, x2) ((2, 2)) (Cara) daca (a, 1)=1, Zax Z = Eas (2, 2) e Bomarfim = [ord (3), ord (10)) = [6, ord (10)]

Notain 8200d (To). Atmed 100 = 1 (mod 172) -1

10 = 1 (mod 17) -1 / ord (10) =/ ord

10 = 1 (mod 17) -1 / ord (10) =/ ord

10 = 1 (mod 17) -1 / ord (10) =/ ord

10 = 1 (mod 17) -1 / ord (10) =/ for: 10=-21, 10 = 41, 10 = 1, 10 =1. Ca umares VI (10) = 16. Industry $\gamma \in \{16, 16.17\}$. (1) $10 \ge 100^{\circ}$ $10 \ge 100 \ge 174$ $\frac{2}{3}$ $10 \ge 174 = -89$; $10 \ge 69 \ge 137 \ne 1$ Ca uzmare, Y\$16? => Y=16,17. In consecuté, 1 2023 dec n perivada Y2023 (10)2 [6, 16.17] = 16.51 = 816 cifre