Pombro Barepui, #1 [Haūtu 1534 mod 19]
$$|5^{34} = [15 = -4 \pmod{19}] = (-4)^{34} = 16^{17} = [16 = -3 \pmod{19}] = (-3)^{17} = (-3)(-3) = (-3$$

 $=(-3)\cdot 36 = [36 = 17 \pmod{19}] = (-3)\cdot 17 = [17 = -2 \pmod{19}] = (-3)(-2) = 6 \pmod{19}$ Orber: $15^{34} = 6 \pmod{19}$

#2[
$$\mu$$
au τ u $\varphi(9932)$]

4432|2
2216|2

1108|2

=(16-8).276 = 8.276 = 2208

554|2
277|277

Orbet: 4(4432)=2208

#4 [HOTETU GCD(0,8) a x, y, 200 44x+28y= pcd(44,28)] · bygen pemars perypulsus. Q α=44, β=28 1 a= 28 mod 44= 28, B= 44 (2) a=44 mod 28=16, b=28 (3) a = 28 mod 16=12; b=16 (9 a = 16 mod 12", b = 12 (5) a=12 mod 4=0; B=4 X=0; y=1; Qcd=4 X=1-[4].0=1 X=0-L1/2/-1=-1 $X = 1 - \left[\frac{28}{16} \right] \cdot (-1) = 1 - (-1) = 2$ $|X=-2-\lfloor \frac{44}{28} \rfloor \cdot 2 = -1-2 = -3$ y=2 $X = 2 - \left[\frac{28}{44} \right] \cdot (-3) = 2 - 0 = 2$ y=-3 HOD (44, 28) = 4