Tema 8- Cripto

$$m = X = 23$$

 $K_c = (31,3,19)$
 $K = 3$
 $P = 31$
 $g = 3$

$$u = g^{K} \pmod{p}$$

$$v = m \times {(nod p)}$$

$$u = 3^{3} \pmod{31} = 24 \pmod{31}$$

$$V = 23 \cdot 19^3 \pmod{31} = 23 \cdot 19 \cdot 19^2 \pmod{31} = 23 \cdot 19 \cdot 361 = 29 \pmod{31}$$

= $23 \cdot 19 \cdot 20 = 23 \cdot 380 = 28 \cdot 8 = 184 \pmod{31} = 29 \pmod{31}$
 $(U, V) = (24, 29)$ $(?, 0)$