$$r = a - (q) n$$

= 59 - (3) n 59 = (3)7+3
= 50 - 50

$$= -4($$
 $N = 12$

$$\alpha = -96, \quad n = 12$$

$$=-96, V=72$$

$$\Gamma = -96 - (-8) 12$$

$$=-96-(-8)12$$
 -9
=-96+96

$$V = -96 - (-8) 12 -96 = (-8) 12$$

 $\alpha = -4$, n = 5

=-4+5 = 1

9=-1<-45<0

Y = -4 - (-1) = -4 = (-1) < +1

$$Q = 100, n = 9$$
 $Q = 11 < 100$

= 100 - 99

- 1

a= 84, n=12

9 = 7 < 84/12 < 8

= 84- 84

= 0

r = a - (4) n= 84 - (7) 12 8=(7) 12

$$q = 11 < 100 = 4$$

$$Y = 100 - (11) 9$$
 $100 = (11) 9 + 1$

138,61

$$m(d = 3)$$

$$38 = (22)61+16$$

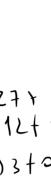
$$61 = (3)16+13$$

$$16 = (1)13+3$$

$$13 = (4)3+1$$

mcd = 1

$$138 = (22)61 + 16$$
 $61 = (3)16 + 13$
 $16 = (1)13 + 3$
 $15 = (4)3 + 1$
 $3 = (3)1 + 0$



$$M(d = 1)$$

$$231 = (4)4$$

$$49 = (4)3$$

$$35 = (2)1$$

209= (2)78+53

78 = (1) 53 + 15

53 = (3) 15 +8

15 = (1) 8 + 7

8 = (1) 7 + 1

7 (1) 1 + 0

Mcd = 7

Coeficiente de Bézout

70 = (1) 49 + 21

$$49 = (7) 49 + 27$$

$$49 = (2) 21 + 7$$

49 = (2) 21 + 7

- (-S)-91 + (4)-112 7=(4)-112+(-5)-91

3 = 27 - (2)12

$$= 27 - (2) [39 - 27] - (3) 27 - (2) 39$$

= (-3) - 105 + (-3) 39

= (3)[109 + (-6)39 - (2)39

 $= (-3)^{-105} + (-6)^{34} - (2)^{34}$

$$= (2) 12 + 3$$

$$= (1) 27 + 12$$

 $= (2) 12 + 3$

105 = (2) 39+27

$$=$$
 (2) 12 + 3 $=$ (4) 3 + 0

$$21 = (2) \ 21 + 3$$

$$=(2)[70-49]=(3)49-(2)70$$

= (3) -91 + (4) - 91 + (-2) (-112)+(6) 70

= (7) -91 + (-2) - 112 + 6[-112 + (2) 91]

Residuo Mínimo

• Tmod 10

• 50 mad 10

• 6 mod 10

• 6 mod 10

• 5 < 50/10 < 6

•
$$= 6 - (0) = 10$$

• $= 17 - (1) = 10$

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• $= 17 - (1$

¿ Que dia de la senara va a ser destro de 1000 días? (jueves) 3 Jeves 7 dias a la semana } 1004 = 1000 + 4 = 1004 mad 7 = (700 + 280 + 24) 1. 7 = 24 mod 7 v = 3 (3 dia de la senara) Seria Miercoles

Aritmética modular $*7+3 \mod 6$ min $r \mod 6$ V=4 V=4

• $67+68 \mod 6$ $(67+68 \equiv (7+8) \mod 6$ $\equiv 15 \mod 6$ $= 15 \mod 6$ $= 15 \mod 6$ $= 15 \mod 6$ $= 15 \mod 6$

 $-3-19 \mod 6$ $-22 \mod 6$ V=2

Aritmética modular . 6+4 mod 10

Min. v mod 16

10 mod 10 $\equiv 9 + 3 \mod 10$ V=0 = 12 mod 10

€ 21-17 mod 10 V = 2

14 -7 mod 10 7 mod 10

√ ニ フ

016cm +11+ 1010 = 1 + 1+1 mod 10 = 3 mod 10

V = 3

10 -11 -1 mol 10

= 0-1-1 mod10 = -2 mod 10

r = 8

• 13-15 mod 10 = 3-5 mod 10 = -2 mod 10

r = 8