

Tarea: Use el algoritmo de euclides para calcular MCD:

• 209 y 78
• 93 y 27

• 138 y 61
• 231 y 49

• 209 y 78

$$a = qb + r$$

$$209 = 2 \cdot 78 + 53$$

$$78 = 1 \cdot 53 + 25$$

$$53 = 2 \cdot 25 + 3$$

$$\curvearrowleft 25 = 8 \cdot 3 + \textcircled{1} \text{ MCD}$$

$$\curvearrowleft 3 = 3 \cdot 1 + 0$$

$$\text{MCD}(209, 78) = 1$$

• 138 y 61

$$138 = 2 \cdot 61 + 16$$

$$61 = 3 \cdot 16 + 13$$

$$16 = 1 \cdot 13 + 3$$

$$\curvearrowleft 13 = 4 \cdot 3 + \textcircled{1} \text{ MCD}$$

$$\curvearrowleft 3 = 3 \cdot 1 + 0$$

$$\text{MCD}(138, 61) = 1$$

• 93 y 27

$$93 = 3 \cdot \underline{27} + \underline{12}$$

$$\rightarrow \underline{27} = 2 \cdot \underline{12} + \textcircled{3} \text{ MCD}$$

$$\underline{12} = 4 \cdot 3 + 0$$

$$\text{MCD}(93, 27) = 3$$

• 231 y 49

$$231 = 4 \cdot \underline{49} + \underline{35}$$

$$\underline{49} = 1 \cdot \underline{35} + \underline{14}$$

$$\rightarrow \underline{35} = 2 \cdot \underline{14} + \textcircled{7} \text{ MCD}$$

$$\underline{14} = 2 \cdot 7 + 0$$

$$\text{MCD}(231, 49) = 7$$