

EJERCICIOS.

$$\underbrace{7+3}_{10} \bmod 6$$

$$10 \bmod 6$$

$$10 \equiv \boxed{4} \bmod 6$$

$$\downarrow$$

$$0 \leq 4 < 6$$

$$\underbrace{7-3}_{4} \bmod 6$$

$$4 \bmod 6$$

$$4 \equiv \boxed{4} \bmod 6$$

$$\downarrow$$

$$0 \leq 4 < 6$$

$$\underbrace{23-24}_{-1} \bmod 6$$

$$-1 \bmod 6$$

$$-1 \equiv \boxed{5} \bmod 6$$

$$\downarrow$$

$$0 \leq 5 < 6$$

$$\overset{10}{60} + \overset{0}{7} + \overset{0}{60} + \overset{0}{8} + \overset{0}{2} \bmod 6$$

$$60 + 7 + 60 + 8 + 2 \bmod 6$$

$$9 \bmod 6$$

$$9 \equiv \boxed{3} \bmod 6$$

$$\downarrow$$

$$0 \leq 3 < 6$$

$$601 - 6001 \bmod 6$$

$$600^0 + 1 - 6000^0 - 1 \bmod 6$$

$$0 \bmod 6$$

$$0 \equiv \boxed{0} \bmod 6$$

$$\downarrow$$

$$0 \leq 0 < 6$$

$$-21 - 17 \bmod 10$$

$$-18^0 - 3 - 18^0 + 1 \bmod 10$$

$$-2 \bmod 10$$

$$-2 \equiv \textcircled{8} \bmod 10$$

$$\downarrow$$

$$0 \leq 8 < 10$$

$$6 + 4 \bmod 10$$

$$\downarrow$$

$$10 \bmod 10$$

$$10 \equiv \textcircled{0} \bmod 10$$

$$\downarrow$$

$$0 \leq 0 < 10$$

$$-3 - 19 \bmod 6$$

$$-3 - 18^0 - 1 \bmod 6$$

$$-4 \bmod 6$$

$$-4 \equiv \textcircled{2} \bmod 6$$

$$14 - 7 \bmod 10$$

$$\downarrow$$

$$7 \bmod 10$$

$$7 \equiv \textcircled{7} \bmod 10$$

$$\downarrow$$

$$0 \leq 7 < 10$$

$$13 - 15 \bmod 10$$

$$10^0 + 3 - 20^0 + 5 \bmod 10$$

$$8 \bmod 10$$

$$8 \equiv \textcircled{8} \bmod 10$$

$$\downarrow$$

$$0 \leq 8 < 10$$

$$101 + 11 + 1 \bmod 10$$

$$100^0 + 1 + 10^0 + 1 + 1 \bmod 10$$

$$3 \bmod 10$$

$$3 \equiv \textcircled{3} \bmod 10$$

$$\downarrow$$

$$0 \leq 3 < 10$$

$$101 - 11 - 1 \bmod 10$$

$$100^0 + 1 - 10^0 - 1 - 1 \bmod 10$$

$$-1 \bmod 10$$

$$-1 \equiv \textcircled{9} \bmod 10$$

$$\downarrow$$

$$0 \leq 9 < 10$$