
Actividad 1 - 26000186

EJERCICIO 1

1. “Empezamos el técnico en la Universidad Galileo.”

Empezamos

$$E = 69 \rightarrow 01000101$$

$$69 / 2 = 34 \rightarrow 1$$

$$34 / 2 = 17 \rightarrow 0$$

$$17 / 2 = 8 \rightarrow 1$$

$$8 / 2 = 4 \rightarrow 0$$

$$4 / 2 = 2 \rightarrow 0$$

$$2 / 2 = 1 \rightarrow 0$$

$$1 / 2 = 0 \rightarrow 1$$

$$m = 109 \rightarrow 01101101$$

$$109 / 2 = 54 \rightarrow 1$$

$$54 / 2 = 27 \rightarrow 0$$

$$27 / 2 = 13 \rightarrow 1$$

$$13 / 2 = 6 \rightarrow 1$$

$$6 / 2 = 3 \rightarrow 0$$

$$3 / 2 = 1 \rightarrow 1$$

$$1 / 2 = 0 \rightarrow 1$$

$$p = 112 \rightarrow 01110000$$

$$112 / 2 = 56 \rightarrow 0$$

$$56 / 2 = 28 \rightarrow 0$$

$$28 / 2 = 14 \rightarrow 0$$

$$14 / 2 = 7 \rightarrow 0$$

$$7 / 2 = 3 \rightarrow 1$$

$$3 / 2 = 1 \rightarrow 1$$

$$1 / 2 = 0 \rightarrow 1$$

$$e = 101 \rightarrow 01100101$$

$$101 / 2 = 50 \rightarrow 1$$

$$50 / 2 = 25 \rightarrow 0$$

$$25 / 2 = 12 \rightarrow 1$$

$$12 / 2 = 6 \rightarrow 0$$

$$6 / 2 = 3 \rightarrow 0$$

$$3 / 2 = 1 \rightarrow 1$$

$$1 / 2 = 0 \rightarrow 1$$

$$z = 122 \rightarrow 01111010$$

$$122 / 2 = 61 \rightarrow 0$$

$$61 / 2 = 30 \rightarrow 1$$

$$30 / 2 = 15 \rightarrow 0$$

$$15 / 2 = 7 \rightarrow 1$$

$$7 / 2 = 3 \rightarrow 1$$

$$3 / 2 = 1 \rightarrow 1$$

$$1 / 2 = 0 \rightarrow 1$$

$a = 97 \rightarrow 01100001$

$97 / 2 = 48 \rightarrow 1$

$48 / 2 = 24 \rightarrow 0$

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$12 / 2 = 6 \rightarrow 0$

$6 / 2 = 3 \rightarrow 0$

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$m = 109 \rightarrow 01101101$

$109 / 2 = 54 \rightarrow 1$

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$6 / 2 = 3 \rightarrow 0$

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$1 / 2 = 0 \rightarrow 1$

$o = 111 \rightarrow 01101111$

$111 / 2 = 55 \rightarrow 1$

$55 / 2 = 27 \rightarrow 1$

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$6 / 2 = 3 \rightarrow 0$

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$1 / 2 = 0 \rightarrow 1$

$s = 115 \rightarrow 01110011$

$115 / 2 = 57 \rightarrow 1$

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(espacio) = 32 $\rightarrow 00100000$

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$1 / 2 = 0 \rightarrow 1$

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$e = 101 \rightarrow 01100101$

$101 / 2 = 50 \rightarrow 1$

$50 / 2 = 25 \rightarrow 0$

$25 / 2 = 12 \rightarrow 1$

$12 / 2 = 6 \rightarrow 0$

$6 / 2 = 3 \rightarrow 0$

$3 / 2 = 1 \rightarrow 1$

$1 / 2 = 0 \rightarrow 1$

$l = 108 \rightarrow 01101100$

$108 / 2 = 54 \rightarrow 0$

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técnico

$t = 116 \rightarrow 01110100$

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$e = 233 \rightarrow 11101001$

$233 / 2 = 116 \rightarrow 1$

$116 / 2 = 58 \rightarrow 0$

$58 / 2 = 29 \rightarrow 0$

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$14 / 2 = 7 \rightarrow 0$

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$3 / 2 = 1 \rightarrow 1$

$1 / 2 = 0 \rightarrow 1$

$c = 99 \rightarrow 01100011$

$99 / 2 = 49 \rightarrow 1$

$49 / 2 = 24 \rightarrow 1$

$24 / 2 = 12 \rightarrow 0$

$12 / 2 = 6 \rightarrow 0$

$6 / 2 = 3 \rightarrow 0$

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$1 / 2 = 0 \rightarrow 1$

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$110 / 2 = 55 \rightarrow 0$

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$1 / 2 = 0 \rightarrow 1$

$i = 105 \rightarrow 01101001$

$105 / 2 = 52 \rightarrow 1$

$52 / 2 = 26 \rightarrow 0$

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$108 / 2 = 54 \rightarrow 0$

$54 / 2 = 27 \rightarrow 0$

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$a = 97 \rightarrow 01100001$

$97 / 2 = 48 \rightarrow 1$

$48 / 2 = 24 \rightarrow 0$

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Universidad

$U = 85 \rightarrow 01010101$

$85 / 2 = 42 \rightarrow 1$

$42 / 2 = 21 \rightarrow 0$

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$1 / 2 = 0 \rightarrow 1$

$v = 118 \rightarrow 01110110$

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$i = 105 \rightarrow 01101001$

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$3 / 2 = 1 \rightarrow 1$

$1 / 2 = 0 \rightarrow 1$

$d = 100 \rightarrow 01100100$

$100 / 2 = 50 \rightarrow 0$

$50 / 2 = 25 \rightarrow 0$

$25 / 2 = 12 \rightarrow 1$

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$a = 97 \rightarrow 01100001$

$97 / 2 = 48 \rightarrow 1$

$48 / 2 = 24 \rightarrow 0$

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$1 / 2 = 0 \rightarrow 1$

$d = 100 \rightarrow 01100100$

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Galileo

$G = 71 \rightarrow 01000111$

$71 / 2 = 35 \rightarrow 1$

$35 / 2 = 17 \rightarrow 1$

$17 / 2 = 8 \rightarrow 1$

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$1 / 2 = 0 \rightarrow 1$

$a = 97 \rightarrow 01100001$

$97 / 2 = 48 \rightarrow 1$

$48 / 2 = 24 \rightarrow 0$

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$1 / 2 = 0 \rightarrow 1$

$l = 108 \rightarrow 01101100$

$108 / 2 = 54 \rightarrow 0$

$54 / 2 = 27 \rightarrow 0$

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$i = 105 \rightarrow 01101001$

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$l = 108 \rightarrow 01101100$

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$e = 101 \rightarrow 01100101$

$101 / 2 = 50 \rightarrow 1$

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$o = 111 \rightarrow 01101111$

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2. “Renzo Castillo”

$R = 82 \rightarrow 01010010$

$e = 101 \rightarrow 01100101$

$n = 110 \rightarrow 01101110$

$z = 122 \rightarrow 01111010$

$o = 111 \rightarrow 01101111$

(espacio) = 32 $\rightarrow 00100000$

$C = 67 \rightarrow 01000011$

$a = 97 \rightarrow 01100001$

$s = 115 \rightarrow 01110011$

$t = 116 \rightarrow 01110100$

$i = 105 \rightarrow 01101001$

$l = 108 \rightarrow 01101100$

$l = 108 \rightarrow 01101100$

$o = 111 \rightarrow 01101111$