TareaEstructurasDatos

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Pregunta 1

$$A = \begin{pmatrix} 1 & 2 & 3 & 4 \\ 4 & 3 & 2 & 1 \\ 0 & 1 & 0 & 2 \\ 3 & 0 & 4 & 0 \end{pmatrix}$$

$$B = \begin{pmatrix} 4 & 3 & 2 & 1 \\ 0 & 3 & 0 & 4 \\ 1 & 2 & 3 & 4 \\ 0 & 1 & 0 & 2 \end{pmatrix}$$

Productos

$$A * B = \begin{pmatrix} 7 & 18 & 0 & 16 \\ 19 & 26 & 5 & 17 \\ 11 & 14 & 0 & 18 \\ 29 & 26 & 8 & 19 \end{pmatrix}$$

$$B * A = \begin{pmatrix} 19 & 24 & 21 & 10 \\ 19 & 9 & 11 & 3 \\ 22 & 22 & 23 & 10 \\ 23 & 3 & 12 & 1 \end{pmatrix}$$

Preguna 2

dni = (5, 4, 2, 0, 1, 5, 6, 7)

1
En LaTeX: $dni^2 = (25, 16, 4, 0, 1, 25, 36, 49)$

2
En LaTeX: $\sqrt{dni} = (2.236068, 2, 1.4142136, 0, 1, 2.236068, 2.4494897, 2.6457513)$

3
En LaTeX: $\sum dni = 30$

Pergunta 3

nombre = c("C","R","I","S","T","I","A","N")
salazar = c("S","A","L","A","Z","A","R")

En LaTeX: $ordernado(nombre, salazar)$ A, A, A, A, C, I, I, L, N, R, R, S, S, T, Z