sandipan_dey 🗸

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3.3.7 Finger system	r Exercise: Gaussian	elimination on a 3	×3	
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Finger Exercises 2 due Aug 10, 2023 05:00 IST Completed

MO2.3

MO2.9

Consider the following 3×3 matrix:

 $A = \left[egin{array}{cccc} 1 & -1 & 0 \ -1 & 2 & -1 \ 0 & -1 & 2 \end{array}
ight]$

(3.22)

Discussions

All posts sorted by recent activity

Implement the function create_A which returns this matrix as a NumPy ndarray.

Problem: Create the A matrix as a NumPy ndarray (External resource)

(2.0 / 2.0 points)

This will launch an external site that will require forwarding of your username.

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Problem: First step of Gaussian elimination

2.0/2.0 points (graded)

In the first step of Gaussian elimination on the matrix $m{A}$, row 2 becomes row 2 plus $oldsymbol{X}$ times row 1. Enter $oldsymbol{X}$ as a floating point number:

1

Answer: 1.0

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*nswers are displayed within the problem

About

Arroblem: Second step of Gaussian elimination

edX for Business 2.0/2.0 points (graded)

Row, start from the matrix resulting from the first step of Gaussian

CHIMPlation. Perform the second step on that matrix so that row 3 becomes

Mow \Im plus Y times row 2. Enter Y as a floating point number:

₋egal

Answer: 1.0

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