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14 June, 2024
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>> L3

Choose a matrix from P,Q,R,S: P

M =

3 2 4 1

e1 =

5

e2 =

-1

Χ =

2 2 2 -4

D =

5.0000 -0.0000 0.0000 -1.0000

>> L3

Choose a matrix from P,Q,R,S: Q

M =

3 -1 -2 4

e1 =

5

e2 =

2

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X =

1 1 -2 1

D =

5.0000 0 0.0000 2.0000

>> L3

Choose a matrix from P,Q,R,S: R

M =

1 -2 -4 8

e1 =

9

e2 =

0

X =

2 2 -8 1

D =

9 0 0

>> L3

Choose a matrix from P,Q,R,S: S

5:35:35 PM

M =

2 3 -3 8

e1 =

5.0000

e2 =

5.0000

The matrix is not diagonalizable $% \frac{1}{2}\left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}$

>>