Matrix A and Matrix B

Matrix A	Matrix B
[[0. 0.9412 0.1283 0. 0.] [0. -0.9412 0.8717 0. 0.] [0. -5.2038 -10.2138 0. 0.] [0. 0. 1. 0. 0.] [248.3417 0. 0. 0. 0.]]	[[-0.1283] [0.1283] [9.2826] [-0.] [-0.]]

Matrix C and Matrix D

Matrix C	Matrix D
[[0 0 1 0 0]]	[[-0.]]

Eigen Values

[0.   0.   0.   9.6957 1.4594]

Damping Table

[nan nan nan 1. 1.]