Matrix A and Matrix B

N	Matrix B	
[[1.8358 0.9412	0.1283 0. 0.] [[-1.8358]
[-1.8358 -0.9412	0.8717 0. 0.] [1.8358]
[-132.8266 -5.2038	3 - 10.2138 0. 0.	.] [132.8266]
[0. 0.	1. 0. 0.]	[-0.]
[248.3417 0.	0. 0. 0.]]] [-0.]]

Matrix C and Matrix D

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

Eigen Values

[0. 0. 9.3145 3.5209 3.5209]

Damping Table

[nan nan 1. 0.0007 0.0007]