

Matrix Computations MA423 Lab 05

Name: Naman Goyal

Roll No: 180123029

Ques.4

- The table obtained is shown below:

Method	Condition Number	Departure from Orthogonality
"CGS"	1.00000000000000e+05	5.01095518363004e-08
"MGS"	1.00000000000000e+05	5.01095518363004e-08
"CGSREP"	1.00000000000000e+05	5.01095518363004e-08
"Mat lab Command"	1.00000000000000e+05	5.01095518363004e-08
"CGS"	1.00000000000000e+07	2.81753713084147e-10
"MGS"	1.00000000000000e+07	2.81753713084147e-10
"CGSREP"	1.00000000000000e+07	2.81753713084147e-10
"Mat lab Command"	1.00000000000000e+07	2.81753713084147e-10
"CGS"	1.00000000000000e+11	7.74738150153292e-16
"MGS"	1.00000000000000e+11	7.74738150153292e-16
"CGSREP"	1.00000000000000e+11	7.74738150153292e-16
"Mat lab Command"	1.00000000000000e+11	7.74738150153292e-16
