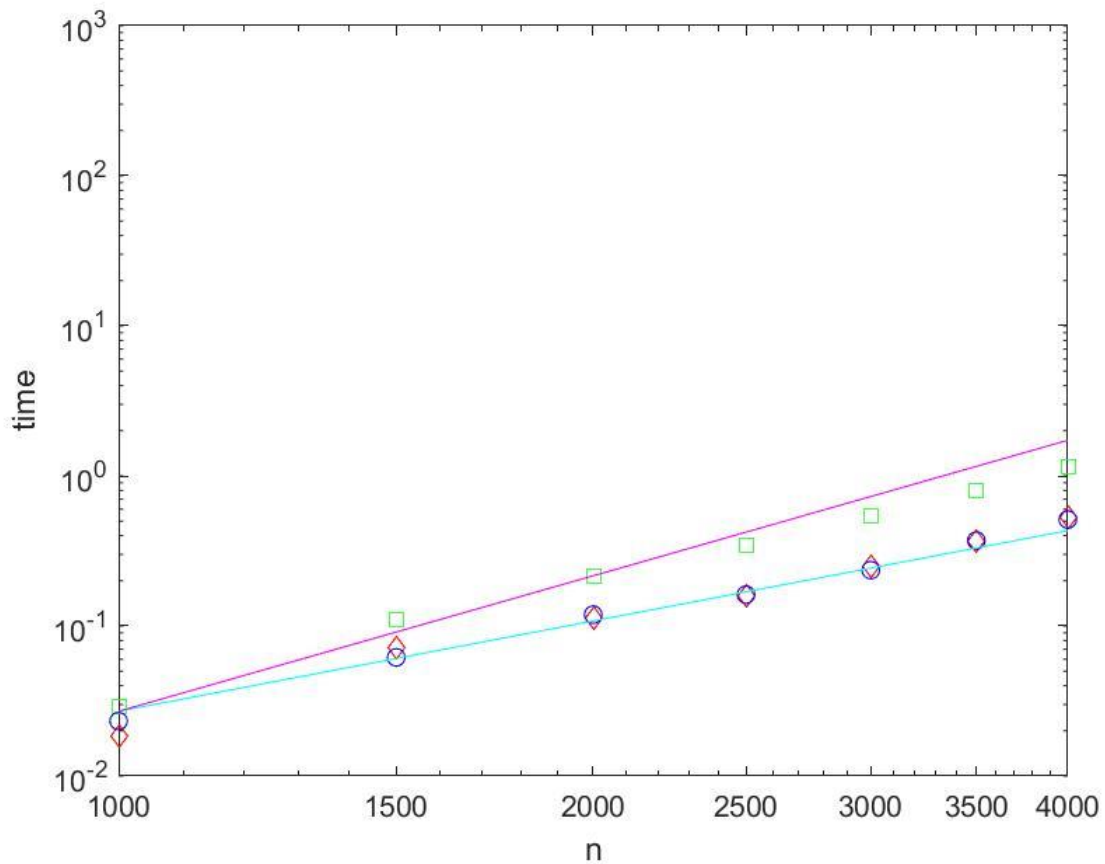HW3writeup

Yiming Ge

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Problem4

Comment:

Speed:

It seems like backslash should quicker than LU and inverse.

Backslash > LU > inverse

Inverse method is close to the line of $O(n^3)$

Backslash and LU method are close to the line of $O(n^2)$

Problem5

	Backslash	LU decomposition	Inverse
1000times	0.0892s	0.0199s	0.1954s
10000times	0.8821s	0.1923s	2.0384s