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Assignment 3 – LU Decomposition

CS 3200

- 1) See matlab files lupDriver.m, lup.m, bsub.m, fsub.m
- 2) See matlab file TimingTests.m
  - 2b) here is a plot of time for N = 100 and nrhs = 50

It is much faster to do the LU decomposition one time and compute the right-hand sides from the single LUP than to compute a new LUP for each right-hand side.

