

# TMA4280 Introduction to Supercomputing

## Problem set 1

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Spring 2014

Exercises 1-6 in the lecture notes called "Introduction."

Implement a C/Fortran program which calculates

$$\underline{y} = \underline{A}\underline{x}$$

where

$$\underline{A} = \begin{bmatrix} 0.3 & 0.4 & 0.3 \\ 0.7 & 0.1 & 0.2 \\ 0.5 & 0.5 & 0.0 \end{bmatrix}, \underline{x} = \begin{bmatrix} 1.0 \\ 1.0 \\ 1.0 \end{bmatrix}.$$