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MATLAB EXERCISE 6

Again, let us consider the deconvolution problems introduced in Exercise 4 and 5.

- (1) Solve problems using Tikhonov regularization and Morozov discrepancy principle by minimizing functional
 - (a) $T_\delta(x) = \|Ax - m\|^2 + \delta\|x\|^2$;
 - (b) $T_\delta(x) = \|Ax - m\|^2 + \delta\|L_1x\|^2$, where L_1 is the first order difference matrix.
- (2) Solve problems using L-curve method.