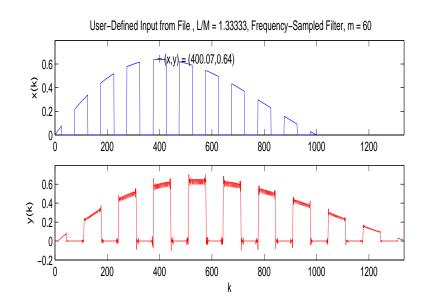
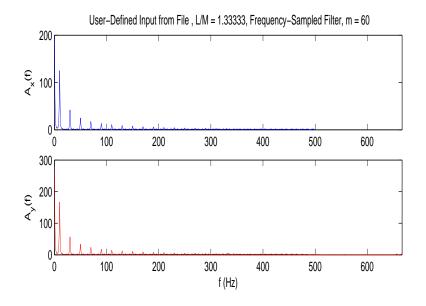
- 7.25 Use the GUI module g\_multirate and the User-Defined input option to load the MAT-file u\_multirate1. Convert the sampling rate using L=4 and M=3 using a frequency-sampled filter of order m=60. Plot the following.
  - (a) The time signals with the peak of x(k) marked with the Caliper option
  - (b) Their magnitude spectra
  - (c) The filter magnitude response

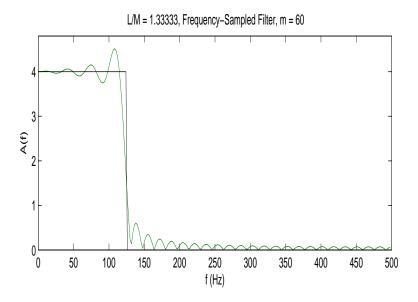
## Solution



(a) Time Signals



## (b) Magnitude Spectra



(c) Filter Magnitude Response