

## Homework

Due 19 Feb.

- 1) Compare the amplitude spectra before and after two different spiking deconvolutions with operator lengths of 24 ms and 256 ms respectively. Illustrate and explain the differences
- 2) Compare the amplitude spectra before and after two different predictive deconvolutions with an operator length of 128 ms and prediction distances of 12 ms and 94 ms respectively. Illustrate and explain the differences.
- 3) Convolve the reflectivity series

1 0 2 0 0.5

with the source wavelet

0 1 2 1 0 -0.5 0

Give the resultant waveform in both the format above and diagrammatically.