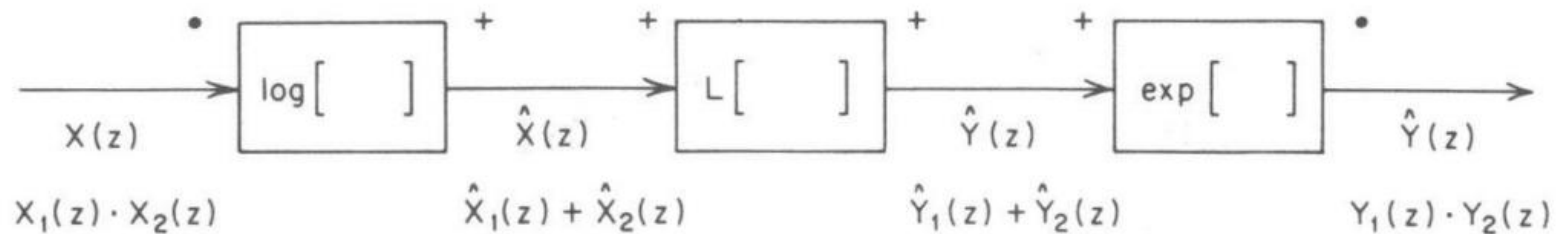
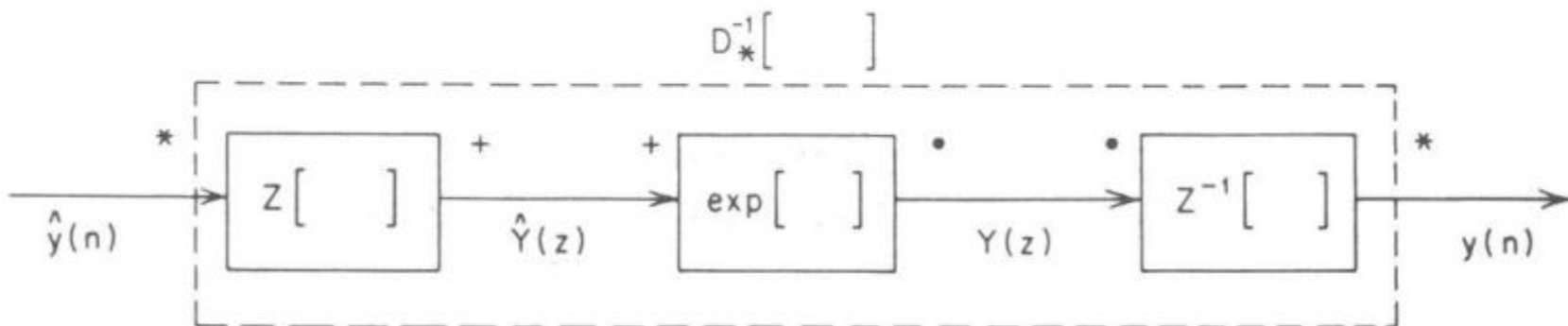
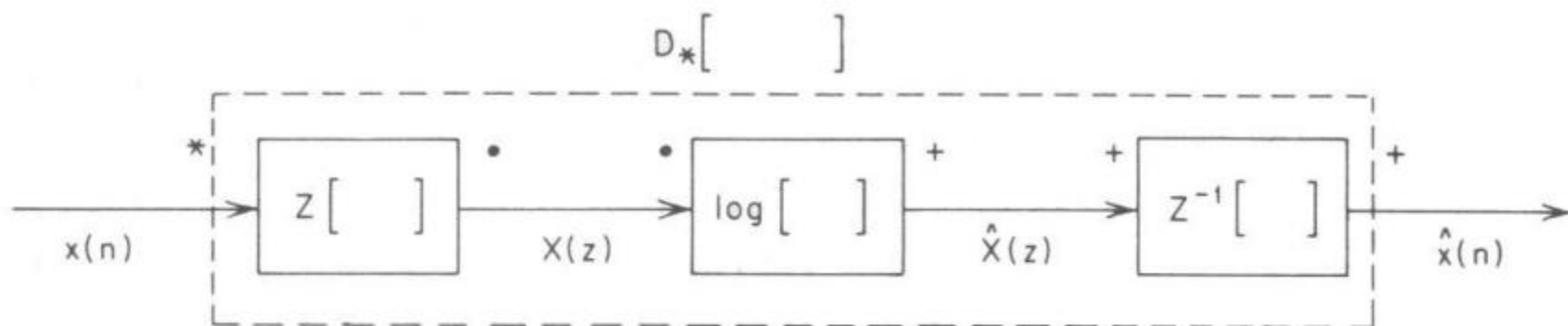
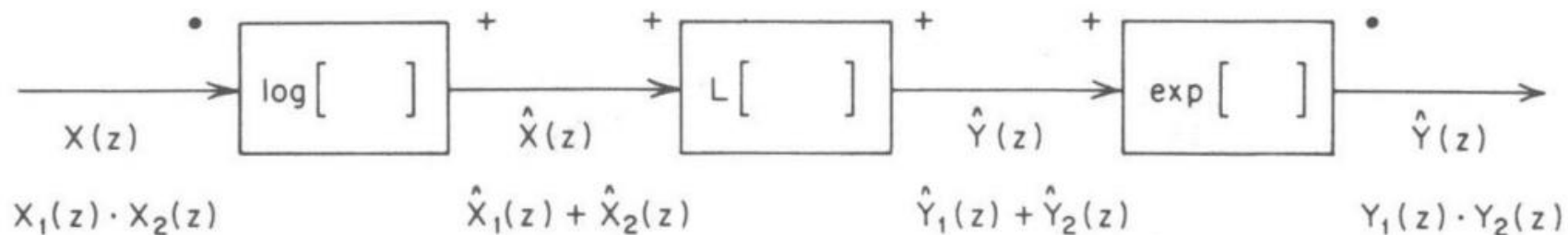


Can we separate into excitation and vocal tract response – deconvolution.

https://ccrma.stanford.edu/~jos/SpecEnv/LPC_Envelope_Example_Speech.html

Thus, the frequency domain representation of a homomorphic system for deconvolution can be represented as





Terminology

- **Spectrum** – Fourier transform of signal autocorrelation
- **Cepstrum** – inverse Fourier transform of log spectrum
- **Analysis** – determining the spectrum of a signal
- **Alanysis** – determining the cepstrum of a signal
- **Filtering** – linear operation on time signal
- **Liftering** – linear operation on cepstrum
- **Frequency** – independent variable of spectrum
- **Quefrequency** – independent variable of cepstrum
- **Harmonic** – integer multiple of fundamental frequency
- **Rahmonic** – integer multiple of fundamental frequency

