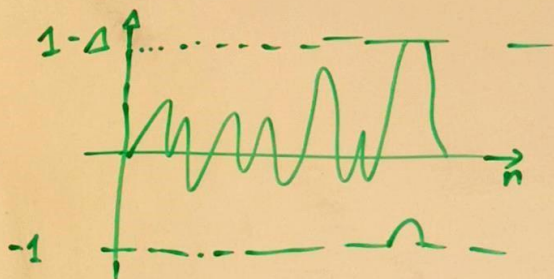# 6. Endelig ordlaengde effekter, dynamisk område, SNR, og formål med skalering: at

IIR-filter.

2's complement is important ??

Scaling and dynamic area.

Overflow?

Overflow; Miss data and introduce distortion.

Conflicting requirement for large dynamic range (SNR) and no Overflow.

We want to limit where overflow happens by scaling the filter implementation.

Methods of scaling:

Max Value scaling: Scale for max value of system

Sinosoid scaling: Self Study !!

Max Variance scaling: Scale for target variance of system.