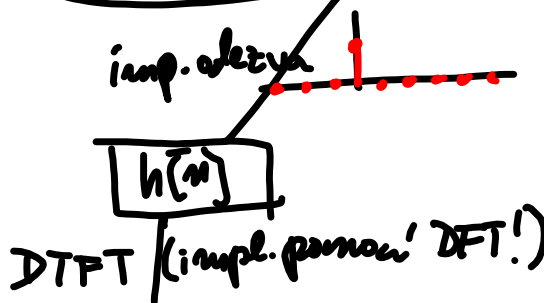
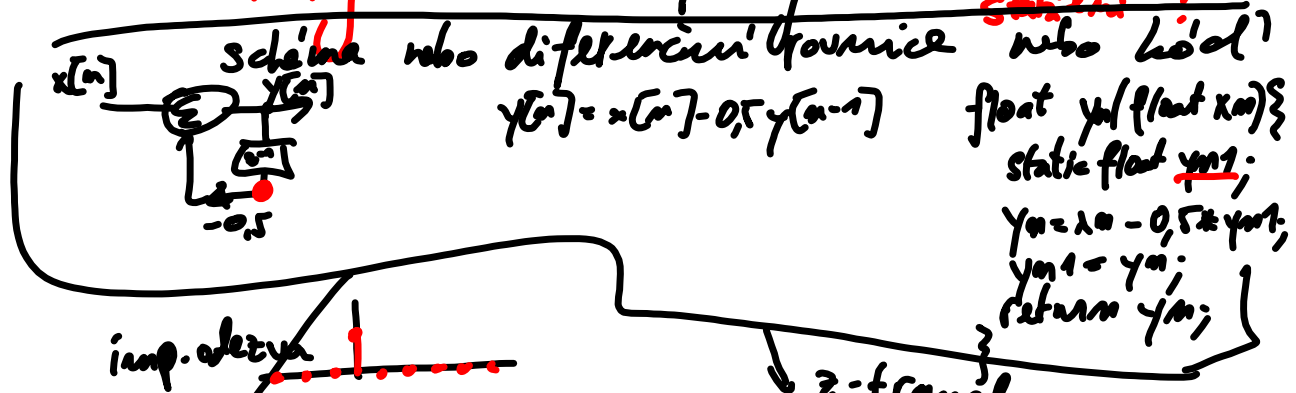


Summary - cíclové filtry úvz: $H(z^m)$?
stabilita: ?



z-transformace

$$H(z) = \frac{B(z)}{A(z)} = \text{přenosová funkce}$$

$z = e^{j\omega}$ $\omega \in 0 \dots \pi$

freq

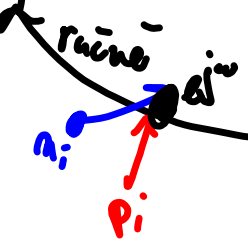
$$H(e^{j\omega})$$

roots z plane

$$= \frac{1}{1 + 0.5z^{-1}}$$

faktorizace polynomů
 $B(z) = 0, A(z) = 0$, vyřadí
 \rightarrow kořeny

$$H(z) = b_0 \frac{(z - m_1)(z - m_2) \dots (z - m_M)}{(z - p_1)(z - p_2) \dots (z - p_P)}$$



Stabilita: chová se, že $|p_i| < 1$



CZSa