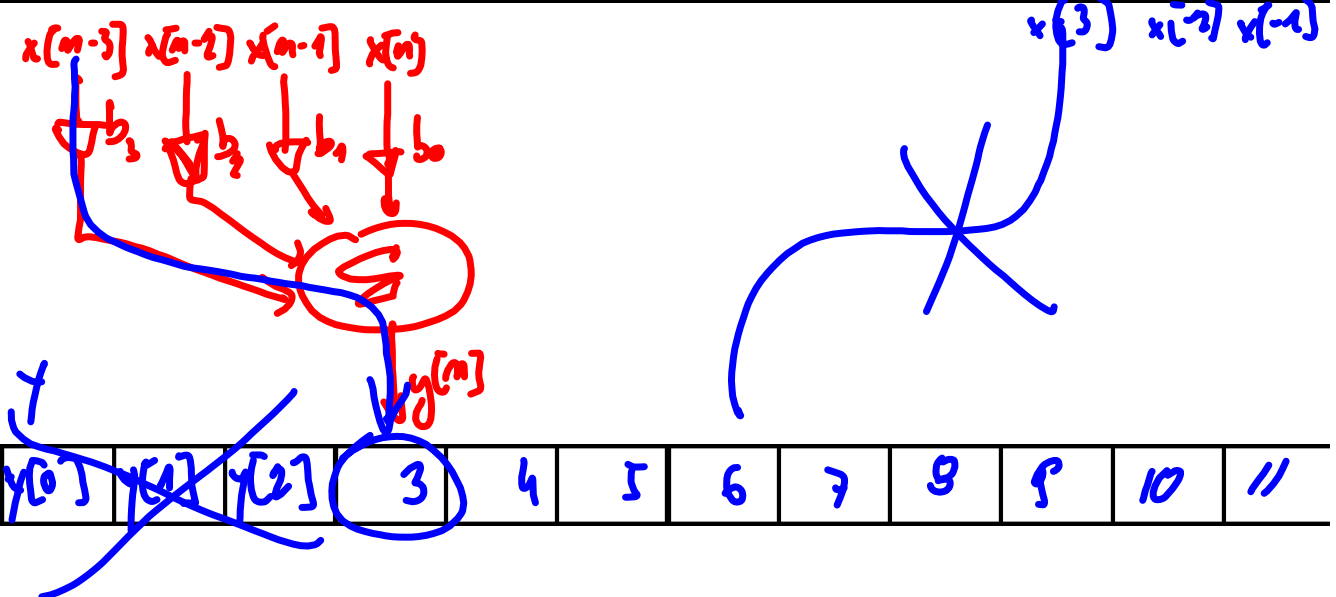
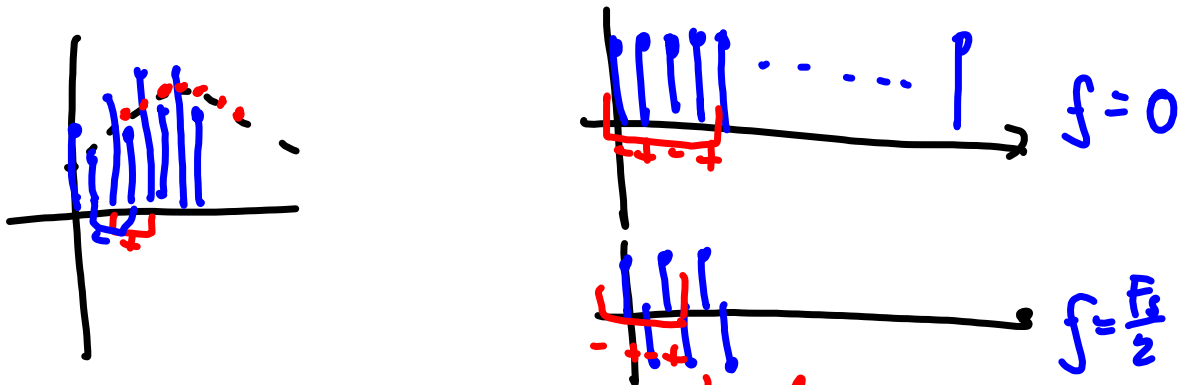


$$x \quad y[n] = b_0x[n] + b_1x[n-1] + b_2x[n-2] + b_3x[n-3]$$

$x[0]$	$x[1]$	$x[2]$	3	4	5	6	7	8	9	10	11
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$\rightarrow b_0 \dots b_3 = 0,25$  dolni propust - low-pass.  
 $\rightarrow b_0 = 0,25 \quad b_1 = -0,25 \quad b_2 = 0,25 \quad b_3 = -0,25$  horni propust - high pass  
 $f=0:0$      $f=\frac{\pi}{2}$ : horni

$$x \quad y[n] = b_0 x[0] + b_1 x[n-1] + b_2 x[n-2] + b_3 x[n-3] - a_1 y[n-1] - a_2 y[n-2] - a_3 y[n-3]$$

