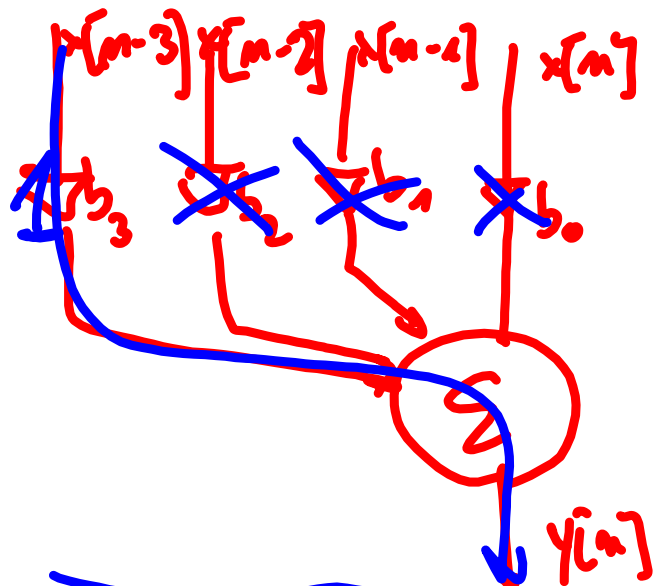
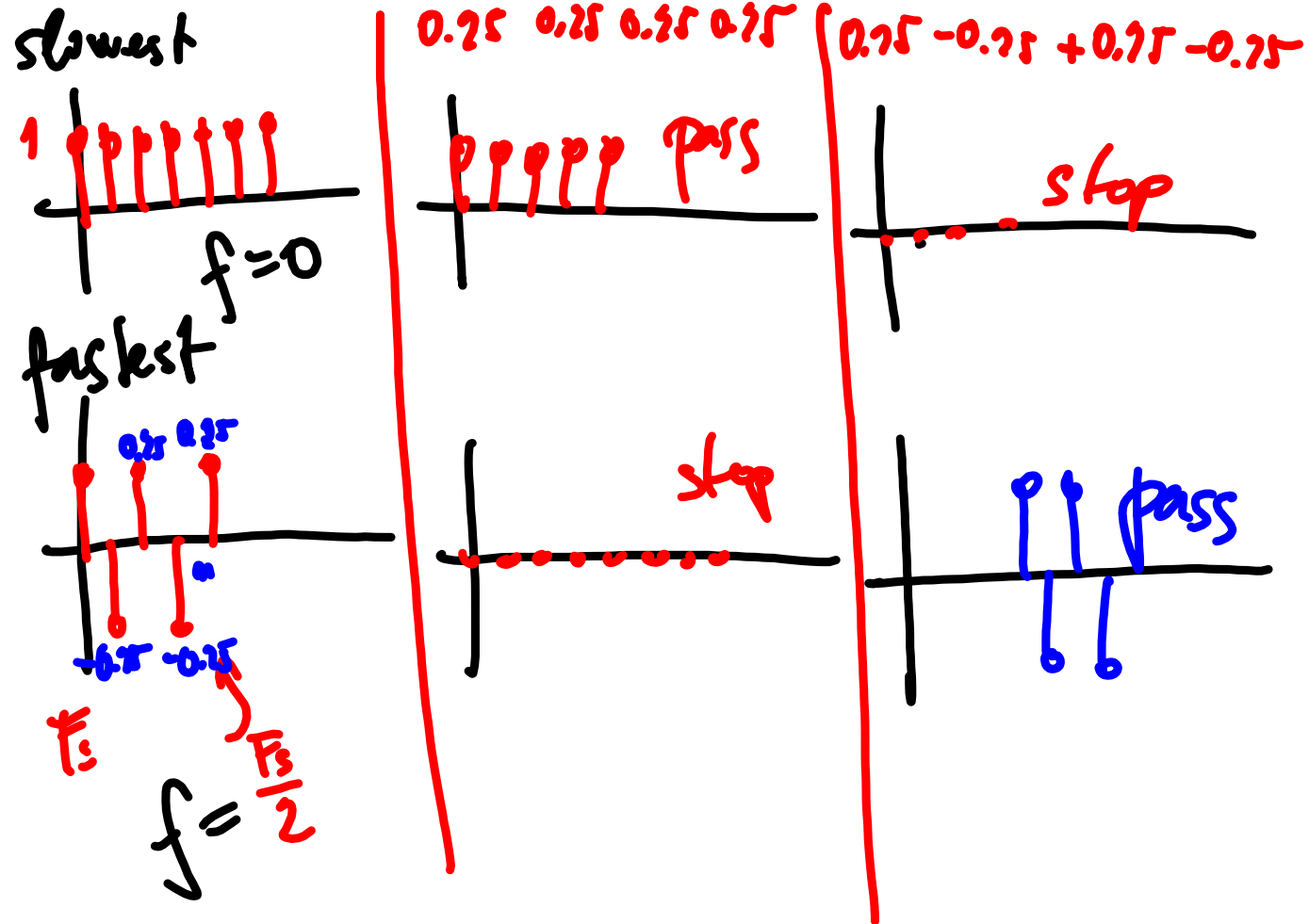


$n=0$	1	2	3	4	5	6	7	8	9	10	11
$x[0]$	$x[1]$	2	3	4	5	-					

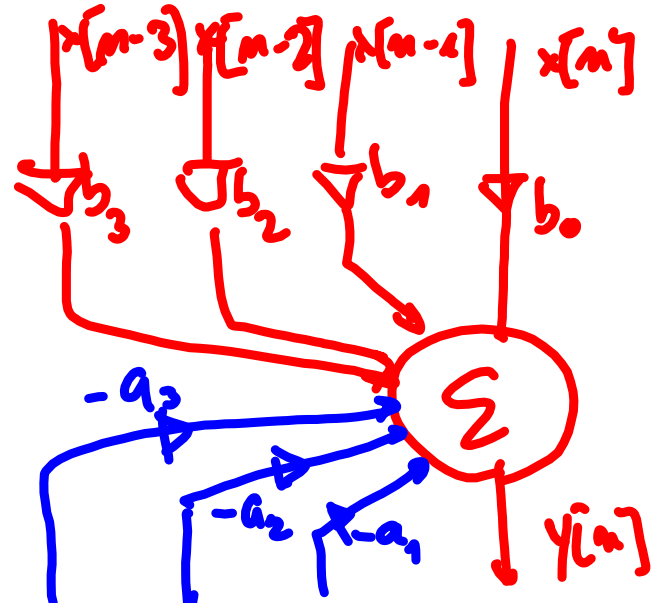


$y[0]$	$y[1]$	$y[2]$	3	-	5	-					
------------------------------	------------------------------	------------------------------	---	---	---	---	--	--	--	--	--

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



$n=0$	1	2	3	4	5	6	7	8	9	10	11
$x[0]$	$x[1]$	2	-3	4	5	-					



$y[0]$	$y[1]$	$y[2]$	3	-	-5	-					
--------	--------	--------	---	---	----	---	--	--	--	--	--

Bmem[0] = xn;

```

/* nejprve vstupni cast - vynasobit, secitat, posunout */
for (k = Q; k >= 0; k--) {
    yn += Bmem[k] * B[k];
    Bmem[k+1] = Bmem[k];
}
/* ted vystupni cast - jedeme jen do 1 !!! */
for (k = P; k >= 1; k--) {
    yn -= Amem[k] * A[k];
    Amem[k+1] = Amem[k];
}
/* vstup je ok, ted ho jeste 'uz zpozdeny' zapamatovat pro prist' beh: */
Amem[1] = yn;
/* a na vystup s nim */
return yn;
}
    
```

