

## Schulbeispiel

$$x_{11}(k) = x_{in} + w_{11} x_{11}(k-1)$$

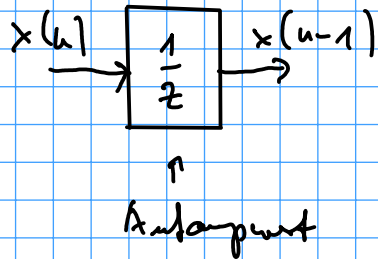
$$x_{12}(k) = (1 - w_{11} - A_{11}) x_{11}(k-1) + w_{12} x_{12}(k-1)$$

$$x_{13}(k) = (1 - w_{12} - A_{12}) x_{12}(k-1) + w_{13} x_{13}(k-1)$$

Zahl der Abtastungen

$$x_{abi}(k) = (1 - w_{13} - A_{13}) x_{13}(k)$$

## Unit Delay



Zeitpunkte:

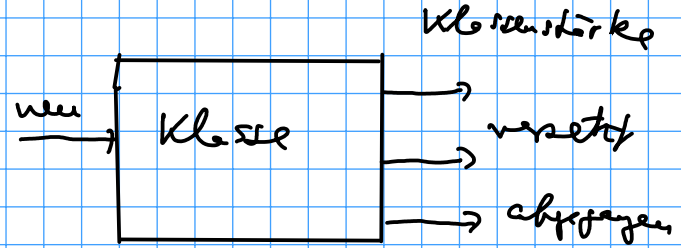
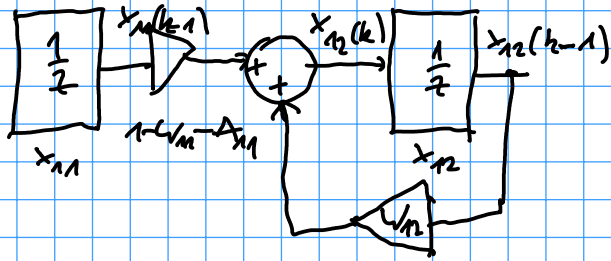
$$t_i = i \cdot \Delta t \quad i = 0, 1, 2, \dots$$

Sample time

aus dem Block

aus dem Block (-1 im Block)

$$x_{12}(k) = (1 - W_{11} - A_{11}) x_{11}(k-1) + W_{12} x_{12}(k-1)$$



Parameter

$W$  Wiederholer rate

$A$  Abbreder rate

$x_0$  Anfangswert