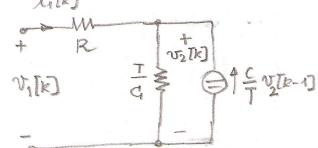
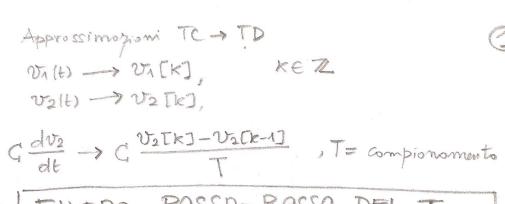
$$|v_1 = RG| \frac{dv_2}{dt} + v_2$$

$$|v_2 = extput$$

Circusto epurvolente a TD (con Gi posellelo) U.B.





FILTRO PASSA-BASSO DEL ORDINE A TEMPO DISCRETO

corrente sul condensatare:

$$||E|| = \frac{c}{r} v[k] - \frac{c}{r} v[k-1]$$

$$||V(k)|| = \frac{c}{r} v[k] - \frac{c}{r} v[k-1]$$

$$||V(k)|| = \frac{c}{r} v[k] - \frac{c}{r} v[k-1]$$

$$||C|| = \frac{c}{r} v[k] - \frac{c}{r} v[k-1]$$

$$||C|| = \frac{c}{r} v[k] - \frac{c}{r} v[k-1]$$

Oppwa, temsone sul constensatore:

$$\begin{cases} a_1 = \frac{RC}{RC+T} \\ b_0 = \frac{RC}{RC+T} \end{cases}$$

Circusto epusoleute con a serie:

$$\begin{bmatrix}
 v_1(k) &= & Ri(k) &+ & V_2(k) \\
 v_2(k) &= & Ci(k) &+ & V_2(k-1)
 \end{bmatrix}
 \begin{bmatrix}
 v_1(k) &= & V_2(k) \\
 V_2(k) &= & Ci(k) &+ & V_2(k-1)
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 v_2(k) &= & Ci(k) &+ & V_2(k-1) \\
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