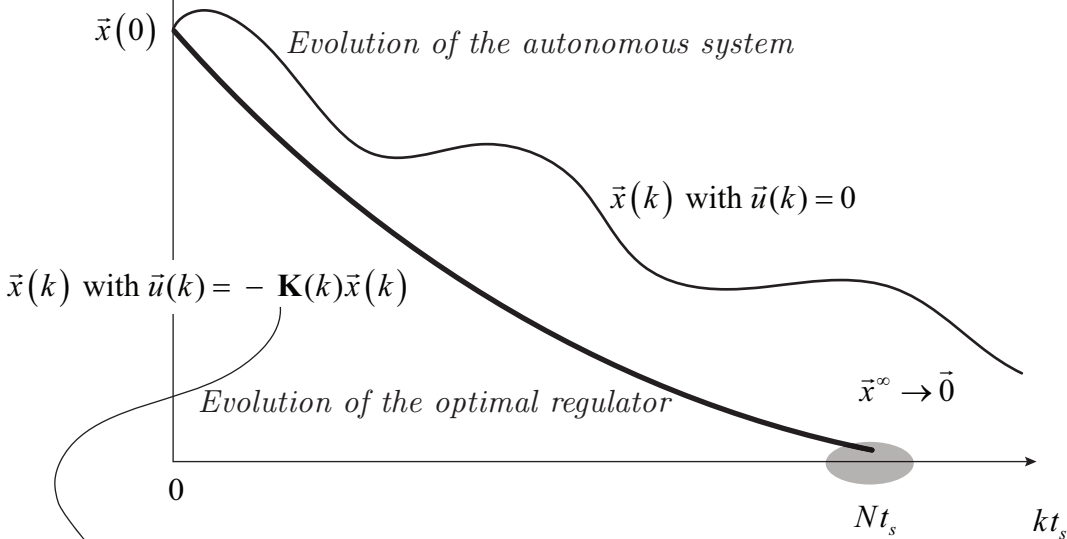


$$\bar{\mathbf{x}}(k+1) = \mathbf{A}\bar{\mathbf{x}}(k) + \mathbf{B}\bar{\mathbf{u}}(k) \quad \bar{\mathbf{x}}(0) = \bar{\mathbf{c}}$$



with $\mathbf{K}(k)$ from $J = \frac{1}{2} \bar{\mathbf{x}}^T(k) \mathbf{S} \bar{\mathbf{x}}(k) + \sum_{k=0}^{N-1} [\bar{\mathbf{x}}^T(k) \mathbf{Q} \bar{\mathbf{x}}(k) + \bar{\mathbf{u}}^T(k) \mathbf{R} \bar{\mathbf{u}}(k)]$

$$\mathbf{K}(k) \quad k = 0, 1, \dots, N-1$$