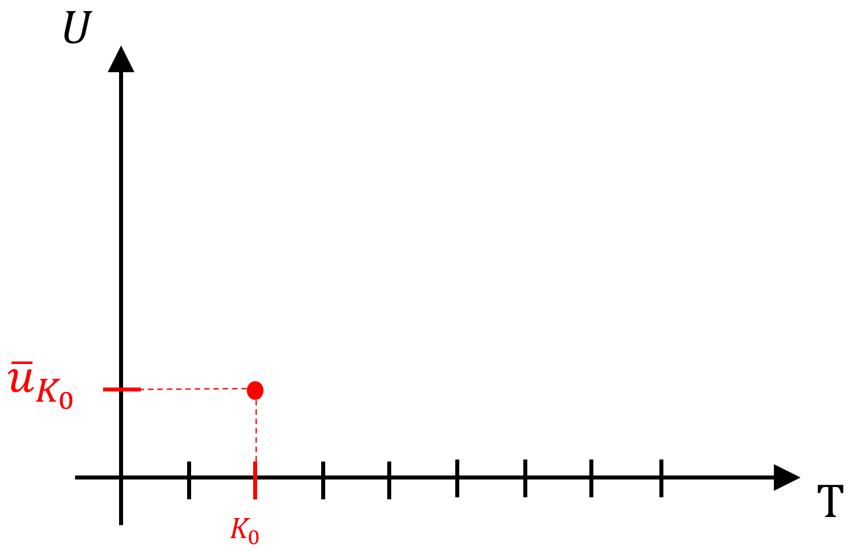
$$u_{[K_0,K[}(\cdot)\colon\ \mathrm{T} \to U$$

$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$

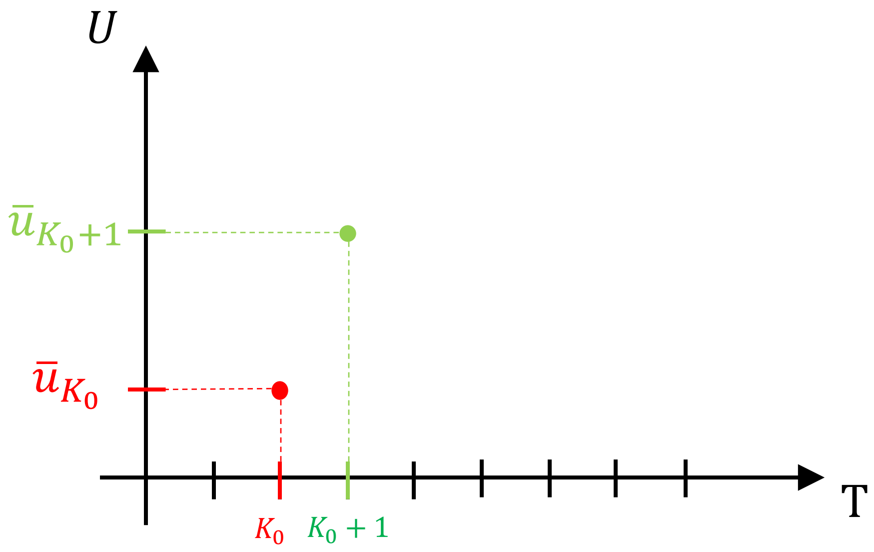
$K_0 \to u_{[K_0,K[}(K_0) = \bar{u}_{K_0}$



$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$

$K_0 \to u_{[K_0,K[}(K_0) = \bar{u}_{K_0}$

$K_0 + 1 \to u_{[K_0,K[}(K_0 + 1) = \bar{u}_{K_0+1}$



$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$

$K_0 \ \to u_{[K_0,K[}(K_0) = \bar{u}_{K_0}$

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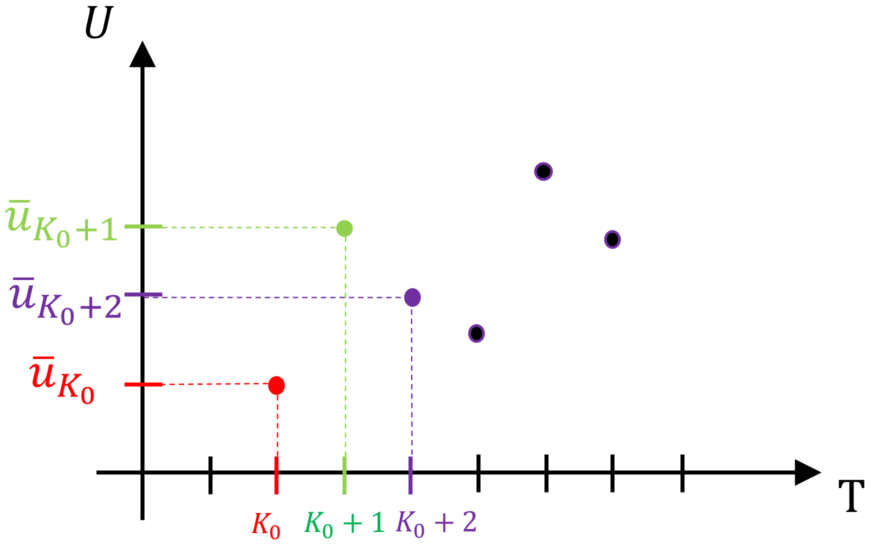
$\vdots$



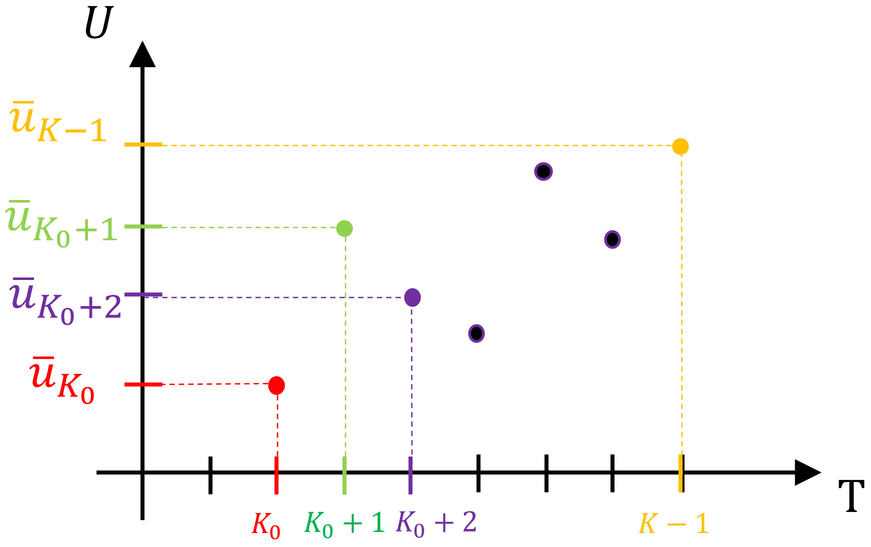
$$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$$

$$K_0 \to u_{[K_0,K[}(K_0) = \bar{u}_{K_0}$$

$$K_0 + 1 \to u_{[K_0,K[}(K_0 + 1) = \bar{u}_{K_0+1}$$

$$\vdots$$

$$K - 1 \to u_{[K_0,K[}(K - 1) = \bar{u}_{K-1}$$



$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$

$K_0 \ \to u_{[K_0,K[}(K_0) = \bar{u}_{K_0}$

$K_0 + 1 \ \to u_{[K_0,K[}(K_0 + 1) = \bar{u}_{K_0+1}$

$\vdots$

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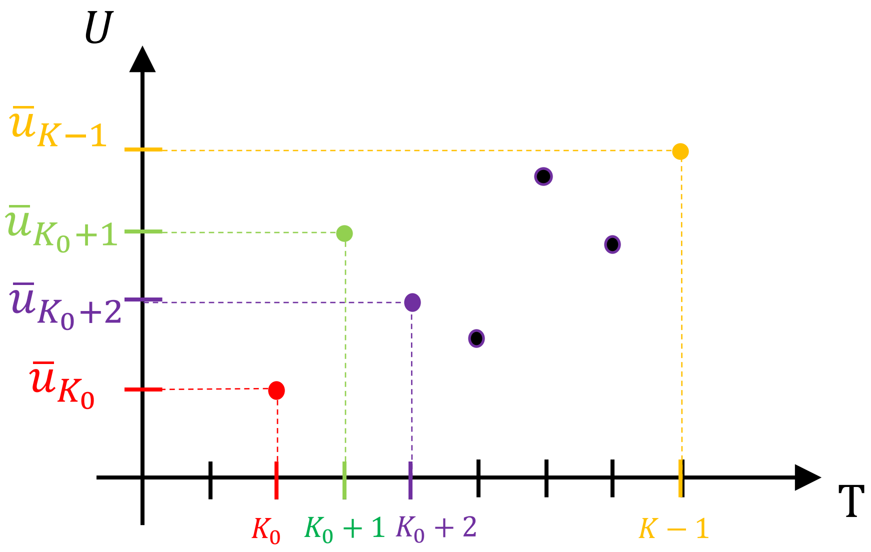


$$u_{[K_0,K[}(\cdot) = \sum_{j=K_0}^{K-1} u_j(\cdot)$$

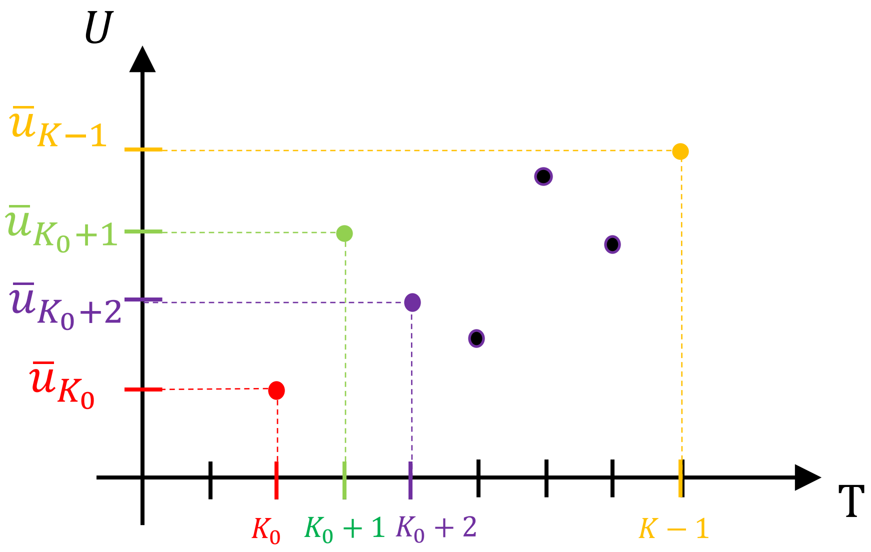
$$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$$

$$K_0 \;\to u_{[K_0,K[}(K_0) = \bar{u}_{K_0}$$

$$K_0 + 1 \;\to u_{[K_0,K[}(K_0+1) = \bar{u}_{K_0+1}$$

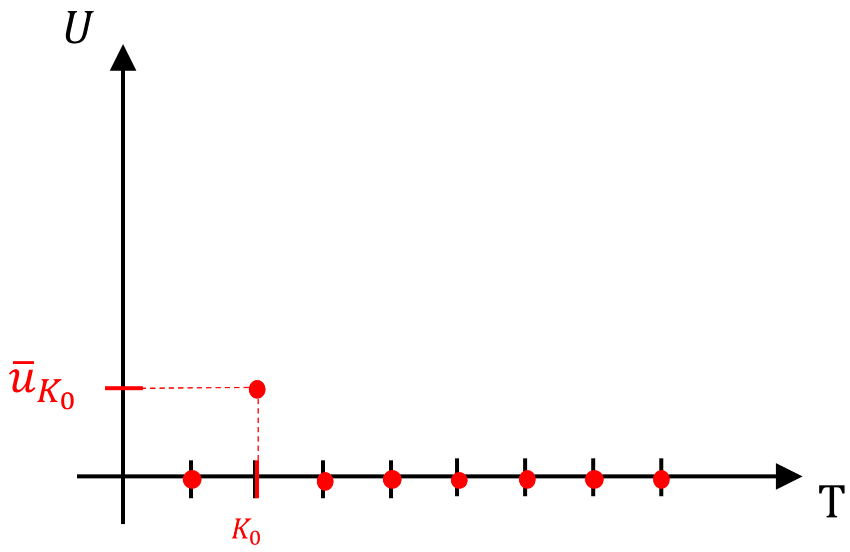
$$\vdots$$

$$K - 1 \;\to u_{[K_0,K[}(K-1) = \bar{u}_{K-1}$$



$$u_{[K_0,K[}(\cdot) = \sum_{j=K_0}^{K-1} u_j(\cdot)$$

$$u_{K_0}(k) = \begin{cases} \bar{u}_{K_0} \; se \; k = K_0 \\ 0 \; altrimenti \end{cases}$$



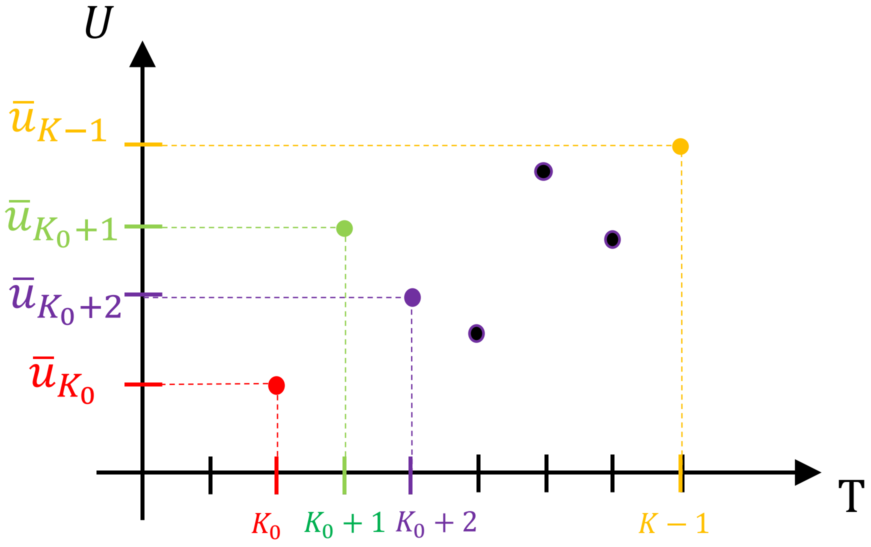
$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$

$K_0 \to u_{[K_0,K[}(K_0) = \bar{u}_{K_0}$

$K_0 + 1 \to u_{[K_0,K[}(K_0 + 1) = \bar{u}_{K_0+1}$

$\vdots$

$K - 1 \to u_{[K_0,K[}(K - 1) = \bar{u}_{K-1}$



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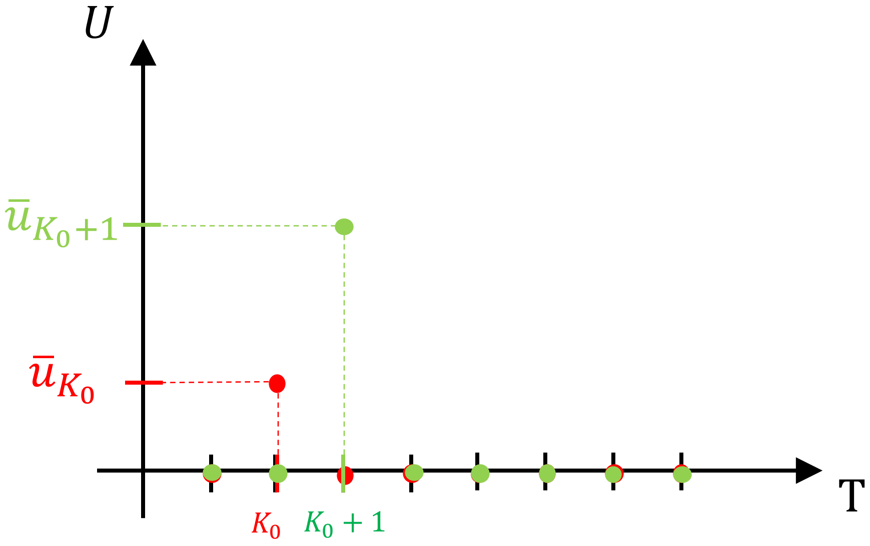


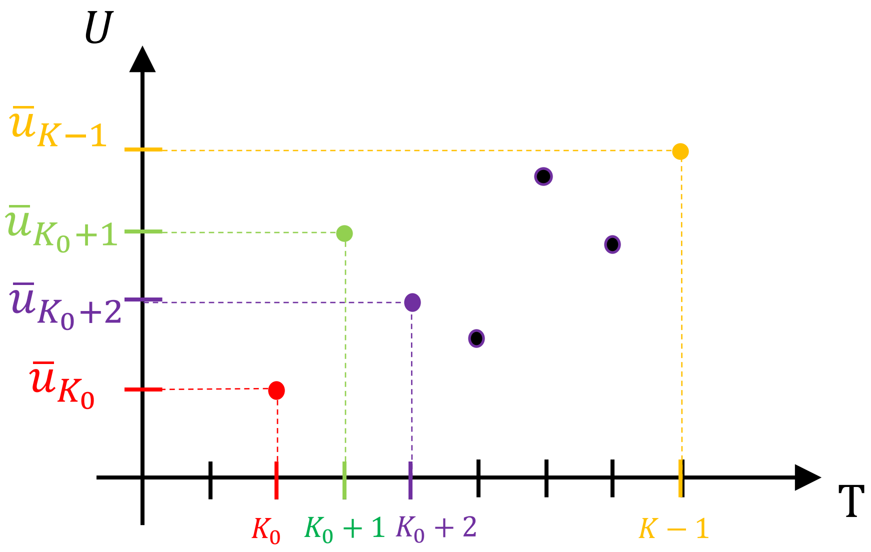
$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$

$K_0 \ \to u_{[K_0,K[}(K_0) = \bar{u}_{K_0}$

$K_0 + 1 \ \to u_{[K_0,K[}(K_0 + 1) = \bar{u}_{K_0+1}$

$\vdots$

$K - 1 \ \to u_{[K_0,K[}(K - 1) = \bar{u}_{K-1}$



$$u_{[K_0,K[}(\cdot) = \sum_{j=K_0}^{K-1} u_j(\cdot)$$

$$u_{K_0}(k) = \begin{cases} \bar{u}_{K_0} \ se \ k = K_0 \\ 0 \ altrimenti \end{cases}$$

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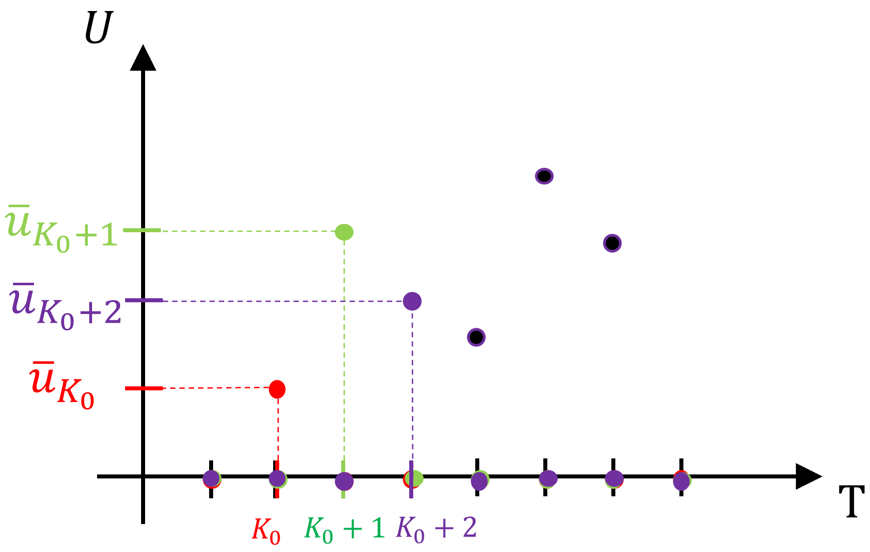
$\vdots$



$$u_{[K_0,K[}(\cdot)\colon \mathrm{T} \to U$$

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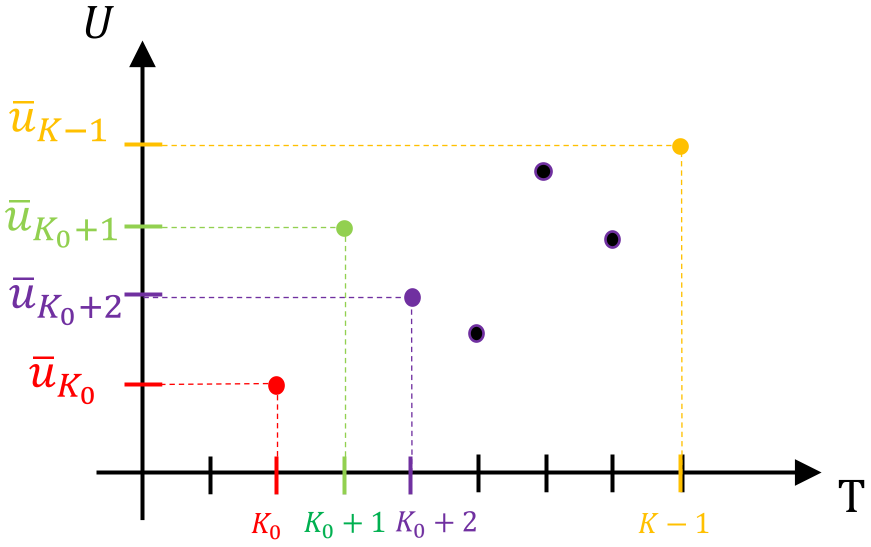
$$\vdots$$

$$K - 1 \;\to u_{[K_0,K[}(K - 1) = \bar{u}_{K-1}$$



$$u_{[K_0,K[}(\cdot) = \sum_{j=K_0}^{K-1} u_j(\cdot)$$

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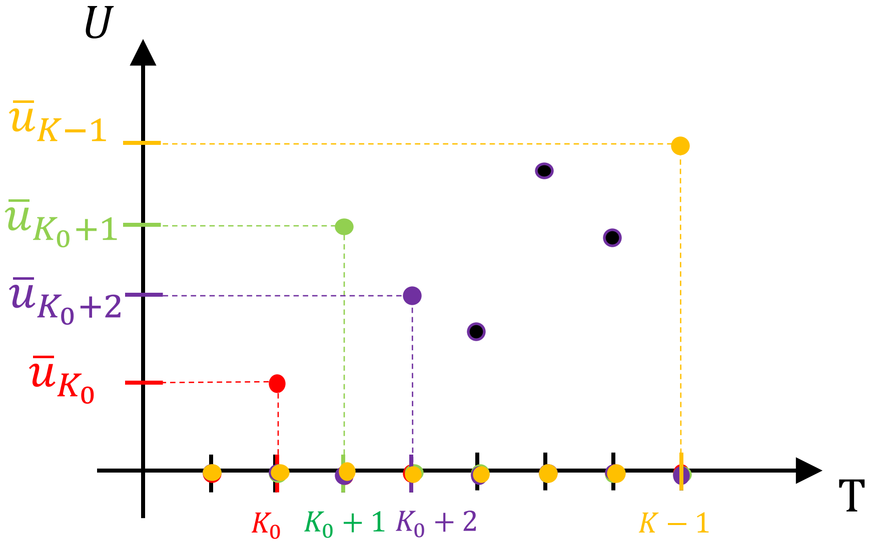
$$\vdots$$

$$u_{K-1}(k) = \begin{cases} \bar{u}_{K-1} \; se \; k = K - 1 \\ 0 \; altrimenti \end{cases}$$



$$u_{[K_0,K[}(\cdot) = \sum_{j=K_0}^{K-1} u_j(\cdot)$$

$$\phi_f(K, K_0, u(\cdot)) = \sum_{j=K_0}^{K-1} \phi_f\left(K, K_0, u_j(\cdot)\right) = \sum_{j=K_0}^{K-1} \phi_f\left(K, j, u_j(\cdot)\right) =$$

$$\sum_{j=K_0}^{K-1} \phi_f\left(K, j, \bar{u}_j\right) = \sum_{j=K_0}^{K-1} H(K,j)\bar{u}_j = \sum_{j=K_0}^{K-1} H(K,j)u(j)$$

$\bar{u}_j \in U!$

$$x(K) = \Phi(K, K_0)x(K_0) + \sum_{j=K_0}^{K-1} H(K,j)u(j)$$