

$$\left(\begin{array}{l} \left\{ \begin{array}{l} y[k] = x[k], \quad k \in [0 \dots K-1] \\ y[k] = 0, \quad \quad k \in [K \dots 2K-1] \end{array} \right. \\ \\ \mathcal{F}_{k < 2K} \{y[k]\}[2n+1] \end{array} \right) \Leftrightarrow \left(\begin{array}{l} \left(\begin{array}{l} Y[2n] \\ X[n] \end{array} \right) = \\ \\ \left\{ \begin{array}{l} \mathcal{F}_{k < K} \{x[k]\}[n] \\ Y[2n+1] \\ X[m] \\ \mathcal{F}_{k < K} \{x[k]\}[m] \end{array} \right. \\ \\ \frac{1}{K} \sum_{m=0}^{K-1} \varphi[n-m] \end{array} \right)$$