

$$\left( \begin{array}{l} (x * y)[k_0] = \sum_{k=0}^{k_0} x[k] y[k_0 - k] + \sum_{k=k_0+1}^{K-1} x[k] y[K + k_0 - k], \quad k_0 \in [0 \dots K - 2] \\ (x * y)[K - 1] = \sum_{k=0}^{K-1} x[k] y[K - 1 - k] \end{array} \right) \Leftrightarrow$$