

$$\begin{aligned}
 x(t) &= \sum_{m=0}^{M-1} x_m(t) \\
 &= \sum_{m=0}^{M-1} \tilde{x}_m \left(t - m \frac{T_0}{M} \right) u \left(t - m \frac{T_0}{M} \right)
 \end{aligned}$$

