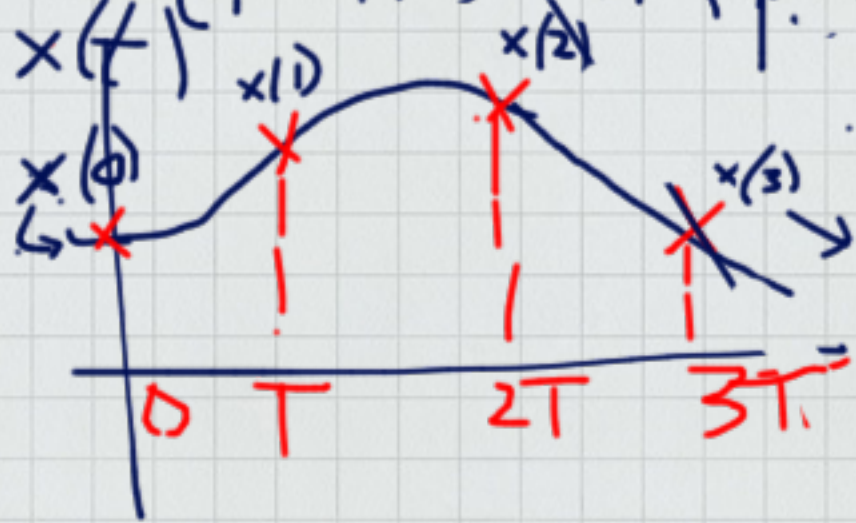


$$x(t) \xrightarrow{\text{sampling}} x(k) \xrightarrow{z} X(z)$$

(periodik, periode T)



$$x(k) = x(0)\delta(t) + x(1)\delta(t-T) + \dots + x(k)\delta(t-kT) + \dots$$

$$= \sum_{i=0}^{\infty} x(i)\delta(t-iT)$$

$$\delta(t-iT) = z^{-i} \Rightarrow$$

$\uparrow$
i kali DELAY

$$X(z) = z^0 x(0) + z^{-1} x(1) + \dots$$

$$= \sum_{i=0}^{\infty} z^{-i} x(i)$$