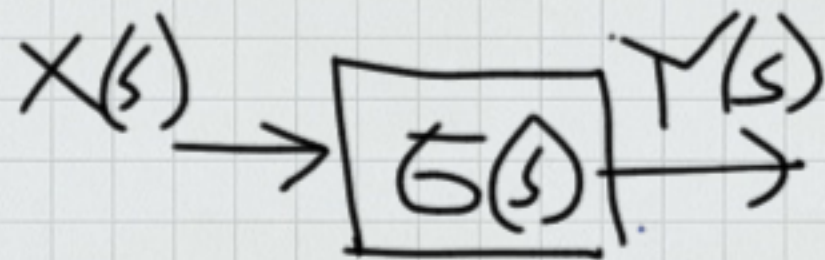


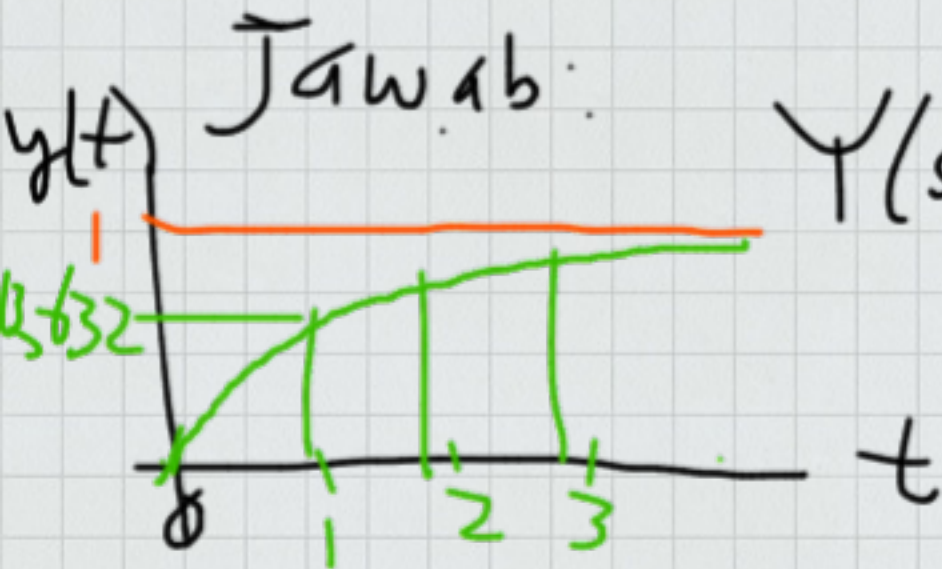
$G(z)$ dapat didefinisikan sebagai
tanggapan denyut diskrit,
(discrete impulse response)

Contoh kasus:



Diketahui $X(s) = \frac{1}{s}$
 $G(s) = \frac{1}{s+1}$

Tentukan $y(t) = \mathcal{L}^{-1}\{Y(s)\}$



$$\begin{aligned} Y(s) &= G(s) \cdot X(s) \\ &= \frac{1}{s(s+1)} \rightarrow y(t) = \mathcal{L}^{-1}\{Y(s)\} \\ &= \underline{\underline{1 - e^{-t}}} \end{aligned}$$