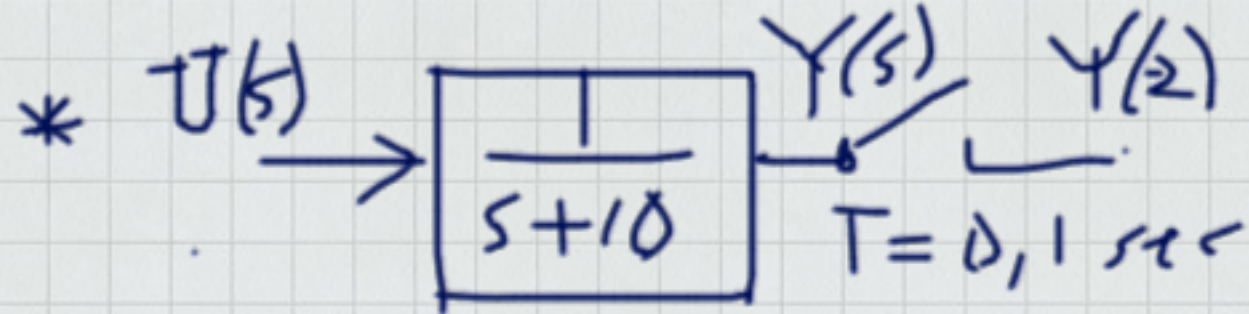




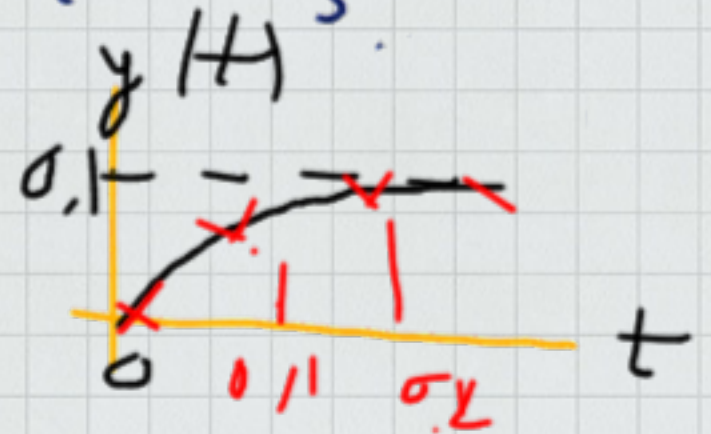
$$Y(s) = \left(\frac{1}{s+10} \right) U(s) = \frac{1}{s(s+10)}$$

$$y(k) = z^{-1} Y(z)$$

cuplikan isyarat $y(t)$

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

$$U(s) = \int u(t) = \frac{1}{s}$$



$$y(t) = \mathcal{L}^{-1} Y(s) = \frac{1}{10} (1 - e^{-10t})$$

cuplikan $y(t)$, $T = 0,1$

t	k	$y(t)$
0	0	0
0,1	1	$0,1(1 - e^{-1}) = 0,06321$
0,2	2	$0,1(1 - e^{-2}) = 0,08647$
0,3	3	$0,1(1 - e^{-3}) = 0,09502$
0,4	4	$0,1(1 - e^{-4}) = 0,09817$
0,5	5	$0,1(1 - e^{-5}) = 0,09933$

$\Rightarrow 0,1$