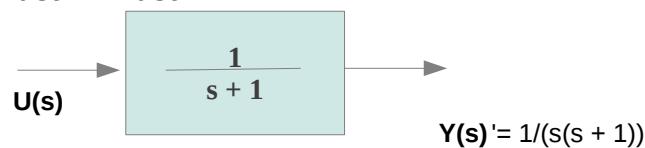


contoh perbandingan antara isyarat tercuplik dan isyarat kontinyu

k	t	y(t)	y(k)
0,0000	0,0000	0,0000	1,0000
1,0000	0,2000	0,1813	1,8187
2,0000	0,4000	0,3297	2,4890
3,0000	0,6000	0,4512	3,5590
4,0000	0,8000	0,5507	4,4350
5,0000	1,0000	0,6321	dst
dst	dst	dst	



y(t) = inverse Laplace dari Y(s)

Menentukan y(k), k = 0,1,2,3,4,5, ..... dengan metode pembagian:

k = 0	k = 1	k = 2	k = 3	k = 4
$z^0$	$z^{-1}$	$z^{-2}$	$z^{-3}$	$z^{-1}$
1	1,8187	2,4890	3,5590	4,4350
dst				

$$\frac{z^2 - 1,8187z + 0,8187}{z^2}$$

$$\begin{array}{r}
 \underline{z^2 - 1,8187z + 0,8187} \quad - \\
 1,8187z \quad -0,8187 \\
 \underline{1,8187z - 3,30767 \quad +0,9676z^{-1}} \quad - \\
 2,48897 \quad -0,9676z^{-1} \\
 \underline{2,48897 \quad -4,5266z^{-1} +2,0377z^{-2}} \quad - \\
 3,5590z^{-1} -2,0377z^{-2} \\
 \underline{3,5590z^{-1} -6,4727z^{-2} \quad +2,9137z^{-3}} \quad - \\
 +4,4350z^{-2} \quad -2,9137z^{-3} \\
 \text{dst}
 \end{array}$$

