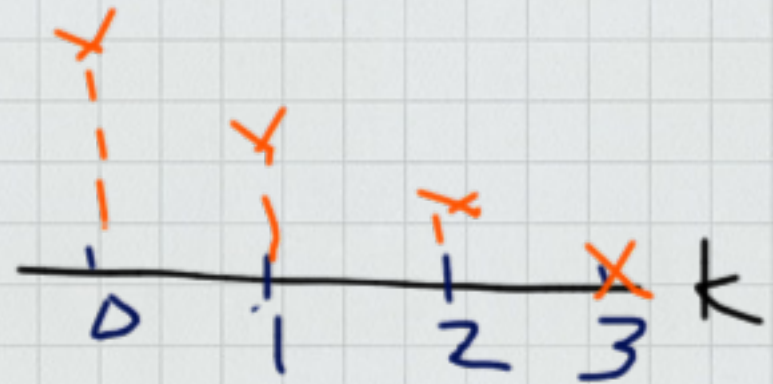


Contoh soal:

* Diketahui isyarat diskrit, tercuplik $f(k)$:

k	$f(k)$
0	3
1	2
2	1
> 2	0



Tentukan $F(z) = \sum f(k)$

Jawab:

Definisi:

$$F(z) = \sum_{k=0}^{\infty} z^{-k} f(k)$$

$$\begin{aligned} &= z^{-0} f(0) + z^{-1} f(1) + z^{-2} f(2) + \dots \\ &= 3 + 2z^{-1} + z^{-2} = \frac{3z^2 + 2z + 1}{z^2} \end{aligned}$$