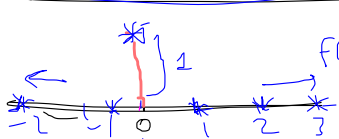
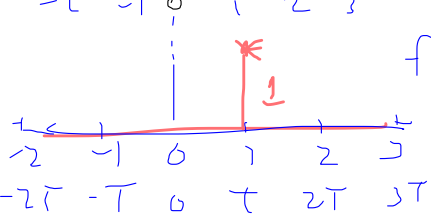


Def 151 z^{-1}

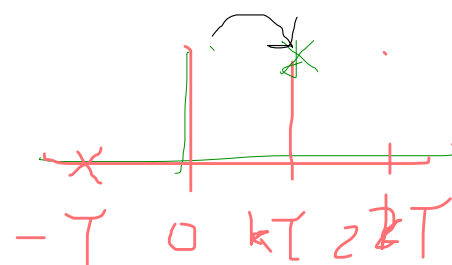


$$f(k) \begin{cases} = 1, k=0 \\ = 0, k \neq 0 \end{cases} \quad F(z) = z^{-1} \quad f(k) = 1$$

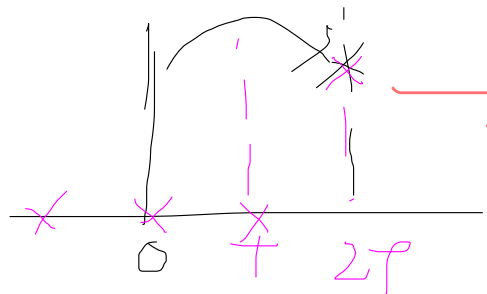


$$f(k) \begin{cases} = 1, k=0 \\ = 0, k \neq 0 \end{cases} \quad f(k) \begin{cases} = 0, k < 0 \\ = 1, k = 0 \end{cases}$$

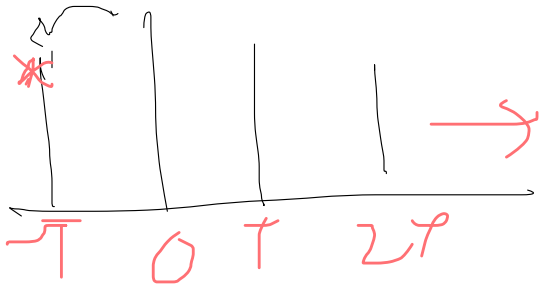
$$z f(k) = z^{-1}$$



$$f(k) \begin{cases} = 0, k < 1 \\ = 1, k = 1 \end{cases} \quad F(z) = z^{-1}$$



$$F(z) = z f(k) = z^{-2}$$



$$f(k) \begin{cases} = 0, k \neq 1 \\ = 1, k = 1 \end{cases}$$

$$z f(k) = z$$



$$U(z) = z u(k)$$

$$F(z) = 1 + z^{-1} + z^{-2} + z^{-3} + \dots$$