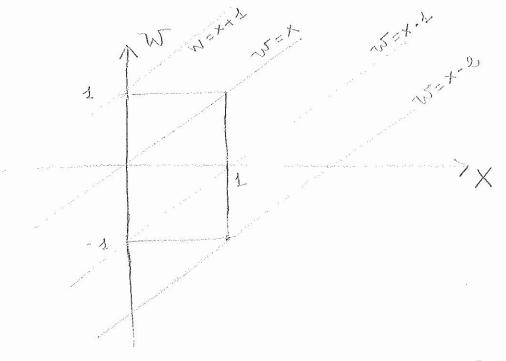
Eserutio 3 FILAA 1

$$f_{X}(x) = \text{vect}\left(\frac{x-4/2}{4}\right)$$

$$\begin{cases} W = 2y - 1 \\ E M(-1, 1) \end{cases}$$
 $f_{W}(w) = \frac{1}{2} \operatorname{rect}\left(\frac{w}{2}\right)$

X e W sono ancora inolipendenti

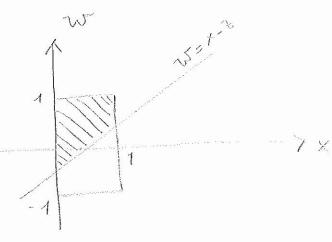


$$F_{2}(z) = R_{2}z \leq z = R_{2}x - w \leq z =$$

$$= R_{2}w \geq x - z$$

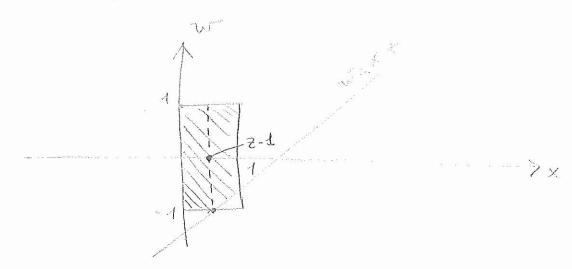
$$\frac{1}{2} \int_{0}^{2\pi} dx = \frac{1}{2} \int_{0}^{2\pi} (1-x+z) dx = \frac{1}{2} \left[(1+z)x - \frac{x^{2}}{2} \right] = 0$$

$$= \frac{2^2}{4} + \frac{3}{2} + \frac{1}{4}$$



$$\Pr_{Y} \left\{ z \leq z \right\} = \left(\int_{\mathcal{A}} \frac{1}{2} dw dx = \frac{z}{2} + \frac{1}{4} \right)$$

$$x = 0 \quad w = x - z$$



$$\begin{cases} \frac{1}{2} = \frac{1}{4} = \frac$$

$$\begin{cases}
0 & \text{Se} & \text{Re} < -1 \\
\frac{2^2}{4} + \frac{3}{2} + \frac{1}{4} & \text{Se} & 0 \neq 2 > -1 \\
\frac{7}{2} + \frac{1}{4} & \text{Se} & 1 \neq 2 > 0
\end{cases}$$

$$\frac{1}{2} + \frac{1}{4} = \frac{1}{2} = \frac{1}{2} + \frac{1}{4} = \frac{1}{2} = \frac{1}{2} + \frac{1}{4} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} =$$

$$f_{z}(z) = \frac{\partial}{\partial z} F_{z}(z) = \begin{cases} 0 & \text{Se } z \leq -1 \\ \frac{2}{3} + \frac{1}{3} & \text{Se } 0 \geq z > -1 \\ \frac{1}{3} & \text{Se } 1 \geq z > 0 \end{cases}$$

$$f_{z}(z) = \frac{\partial}{\partial z} F_{z}(z) = \begin{cases} 0 & \text{Se } z \leq -1 \\ \frac{1}{3} + \frac{1}{3} & \text{Se } 2 \geq z > 1 \\ 0 & \text{Se } z \geq z > 1 \end{cases}$$

$$f_{z}(z) = \frac{\partial}{\partial z} F_{z}(z) = \begin{cases} 0 & \text{Se } z \leq -1 \\ \frac{1}{3} + \frac{1}{3} & \text{Se } 2 \geq z > 1 \\ 0 & \text{Se } z \geq z > 1 \end{cases}$$