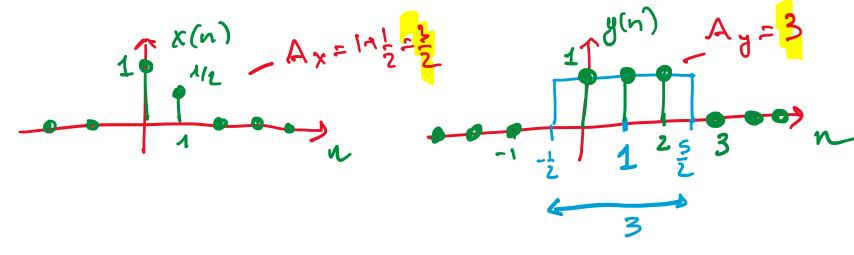
$$x(n) = f(n) + \frac{1}{2}d(n-1)$$

 $y(n) = 2ect(n-1) = 2ect(t-1)|_{t=n}$

- 1) DISEGNARE $x(n) \in Y(n)$ = d(n) + d(n-1) + d(n-2)
- 2) CALCOLLEE Z(M) = X & y (n)
- 3) CHICOLARE D(n) = [x(n-3)] * [y(n+2)] = x * y(n-3+2)= x * y(n-1)



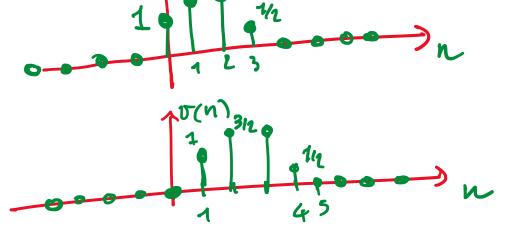
$$x * y(n) = \left[d(n) + \frac{1}{2} d(n-1) \right] * y(n)$$

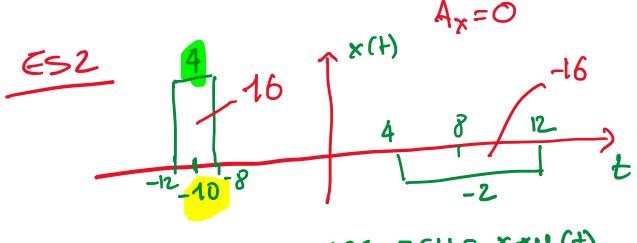
$$= d(n) * y(n) + \frac{1}{2} d(n-1) * y(n)$$

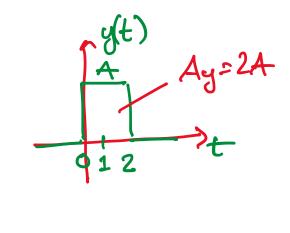
$$= y(n) + \frac{1}{2}y(n-1)$$

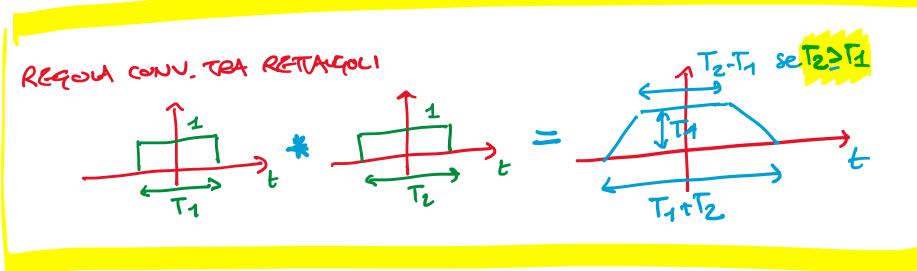
$$-\frac{1}{2}y(n-1)$$

$$-\frac{1}{2}y(n-1$$









$$y(t) = A rect(t-1/2) = A rect_2(t-1)$$
 $x(t) = 4 rect_2(t-1) = RETIRIZENCE

DIBLESE 2

 $x(t) = 4 rect_2(t-1) = RETIRIZENCE

DIBLESE 2

 $x(t) = 4 rect_2(t-1)$
 $x(t) = 4 rect_2(t-1)$$$

$$\begin{aligned}
& \geq (t) = \times *9(t) \\
& = \left[4 \operatorname{red}_{4}(t+10) - 2 \operatorname{red}_{7}(t-8) \right] * \left[A \operatorname{red}_{2}(t-1) \right] \\
& = 4A \operatorname{red}_{4}(t+10) * \operatorname{red}_{2}(t-1) \\
& = 2A \operatorname{red}_{7}(t-8) * \operatorname{red}_{2}(t-1)
\end{aligned}$$

