$$\int_0^{\pi/2} \sin(2x)\,dx \qquad \rightarrow 2x = t$$

$$x = \frac{t}{2} \qquad t^1 = 1 \cdot t^{1-1}$$

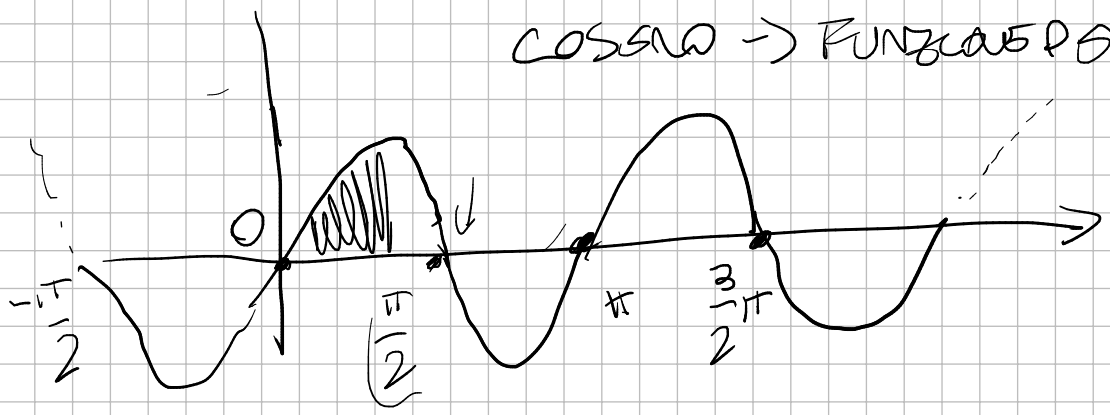
$$1 \cdot t^0 = 1 - 1 = 1$$

$$dx = \frac{1}{2}\,dt$$

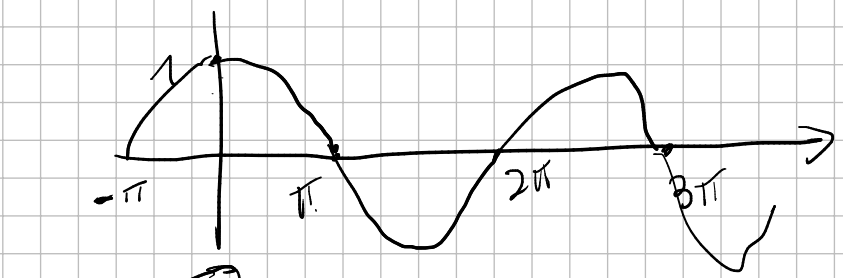
$$= \frac{1}{2}\int_0^{\pi/2} \sin(t)\,dt$$

$$\left[-\frac{1}{2}\cos(t)\right]_0^{\pi/2} = 1$$

COSENO -> FUNZIONE PERIODICA ...



3. $\pi/2 \rightsquigarrow 1{,}57$



SI MOSSO

$$= \int_0^1 \frac{x}{(x+1)^4}\,dx \qquad \left[\begin{array}{l} t = (x+1) \\ t-1 = x \\ dt = dx \end{array}\right] \qquad \begin{array}{l} t = 0+1 = 1 \\ t = 1+1 = 2 \end{array}$$

$$= \int_1^2 \frac{t-1}{t^4}\,dt$$