Mac - Cupuls Mollewahle "Oish bution The school of a) I much ! 3) Au Stead Edjewaling (4) (4) = 1(0) * 5(4) 1(+)·8(t-16) S f(t)-f(t-to) dt= f(to)

$$\int [X(t) \cdot S(t)] dt$$

$$= \chi(0) \cdot \int f(t) dt$$

$$= \chi(0) \cdot \Lambda = \chi(0)$$

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$$f(t) = \int_{-\infty}^{\infty} \left[\int_{-\infty}^{\infty} f(t) \cdot S(t-3) dt \right] d3$$

•

Ableitung vac G(t)? $\longrightarrow S(t)$! $\frac{do(t)}{dt} = S(t)$

 $\frac{d}{dt} \left(0.64) \right) = 0.54$

e)
$$f(t) = \int_{-\infty}^{\infty} \left[\int_{-\infty}^{\infty} f(t) \cdot \frac{d(G(t-y))}{dt} dt \right] dy$$