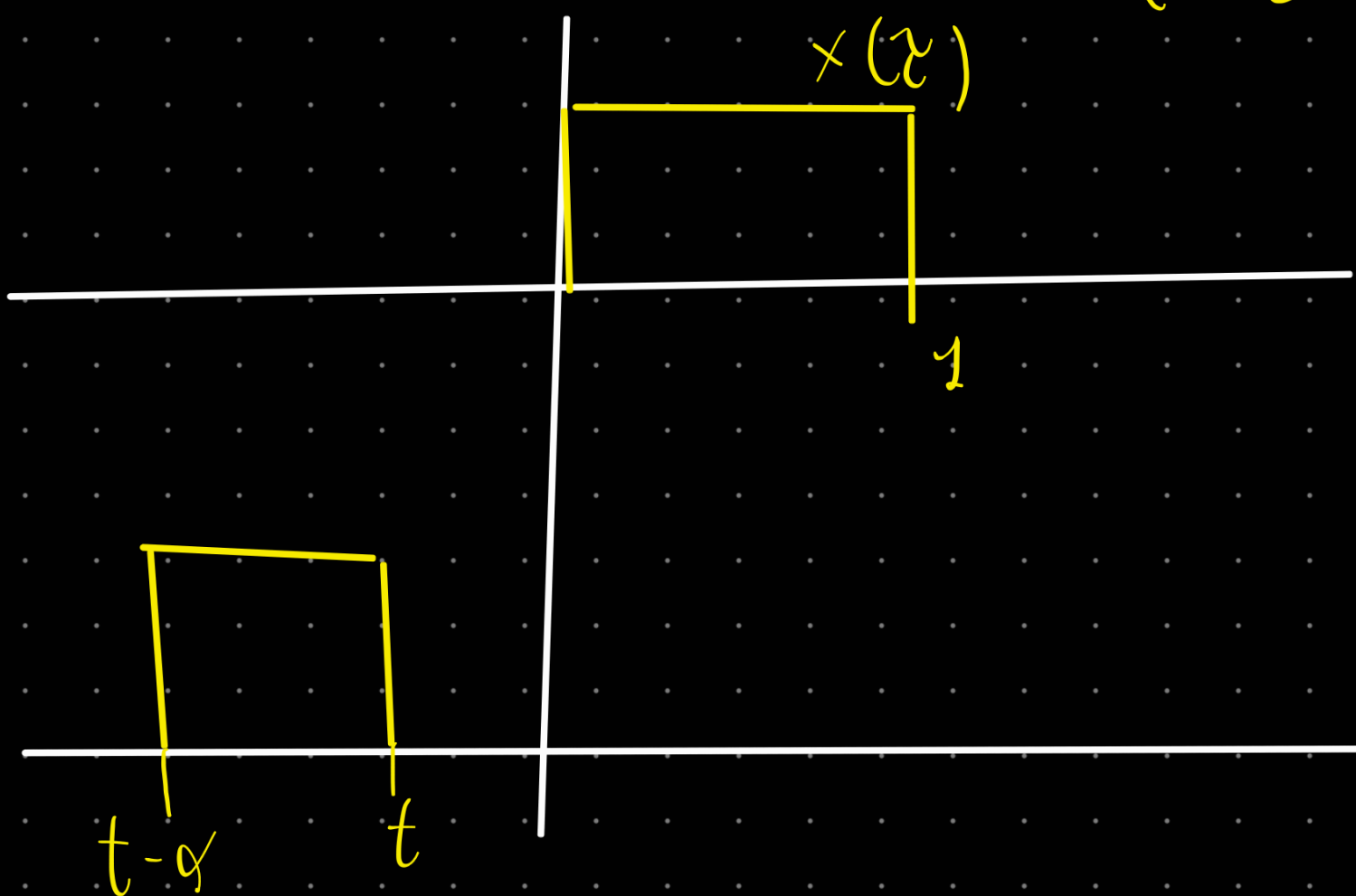


$x(\tau)$  $x\left(\frac{t-\tau}{\alpha}\right)$  $t < 0$ 

$$x\left(\frac{t-\tau}{\alpha}\right) = \begin{cases} 1 & 0 \leq \frac{t-\tau}{\alpha} \leq 1 \\ 0 & \text{elsewhere} \end{cases}$$

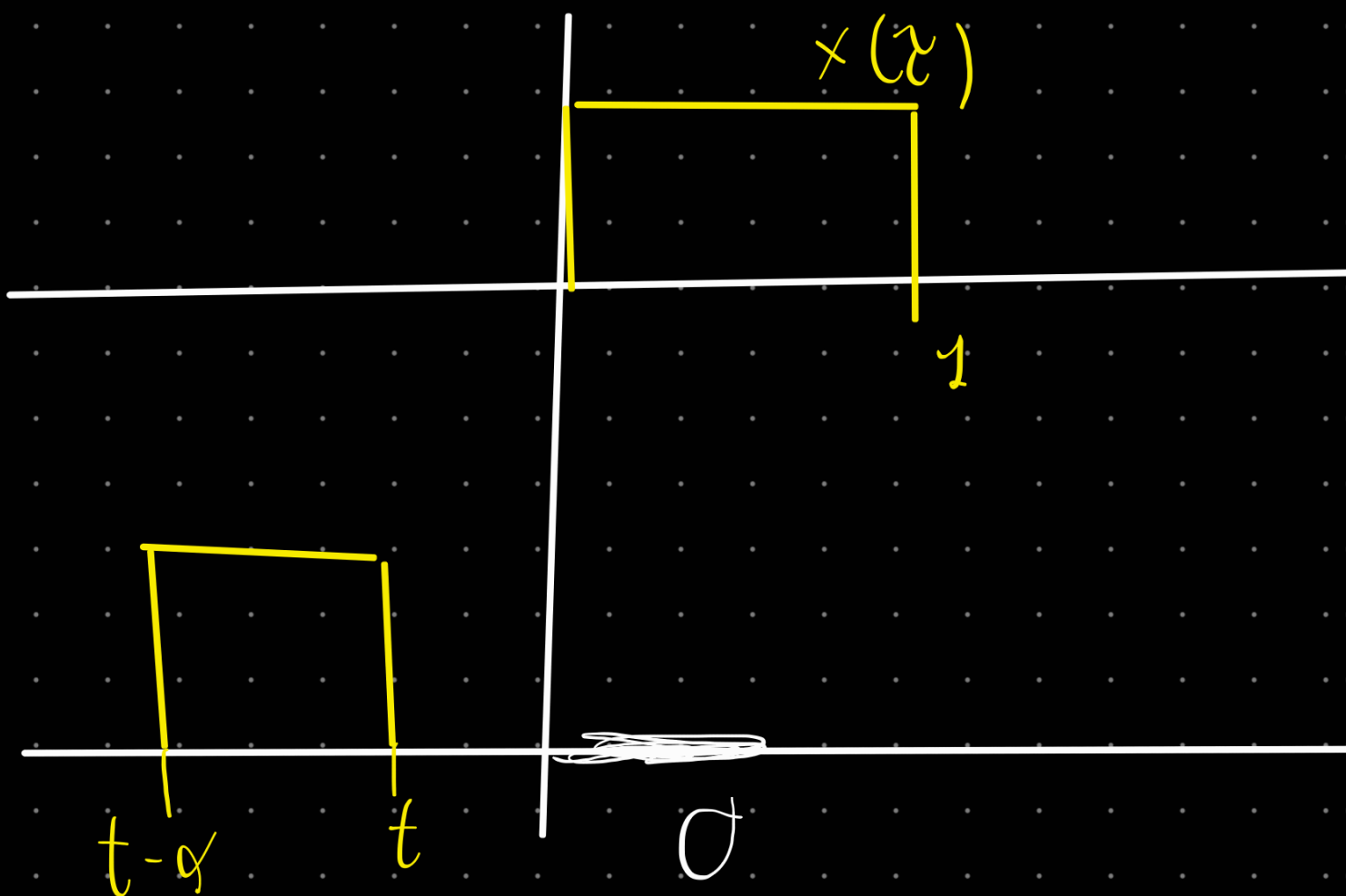
$$0 \leq t - \tau \leq \alpha$$

$$-t \leq -\tau \leq \alpha - t$$

$$\frac{1}{\alpha} \times -1$$

$$t \geq \tau \geq t - \alpha$$

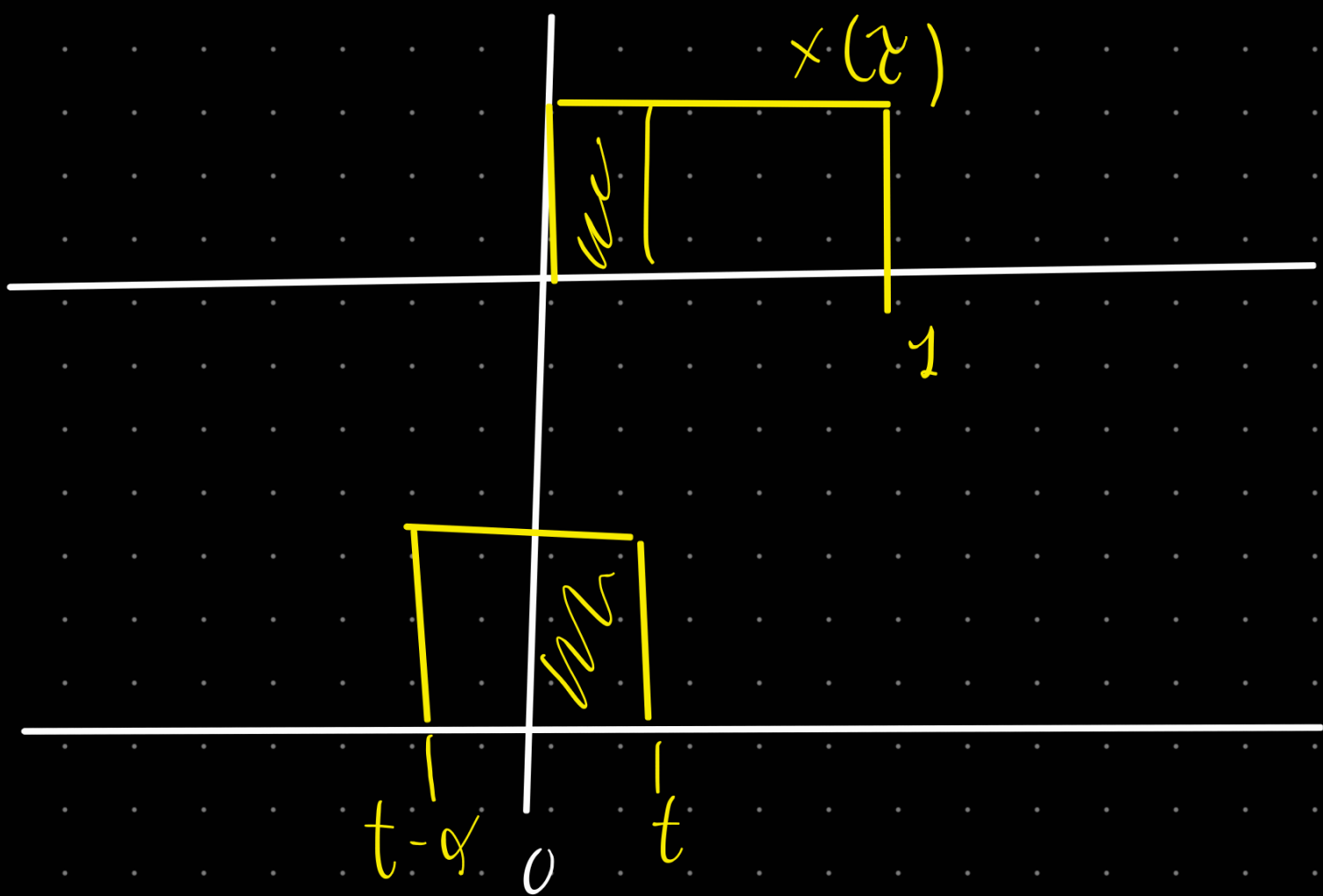
For  $t < 0$



$$y(t) = 0$$

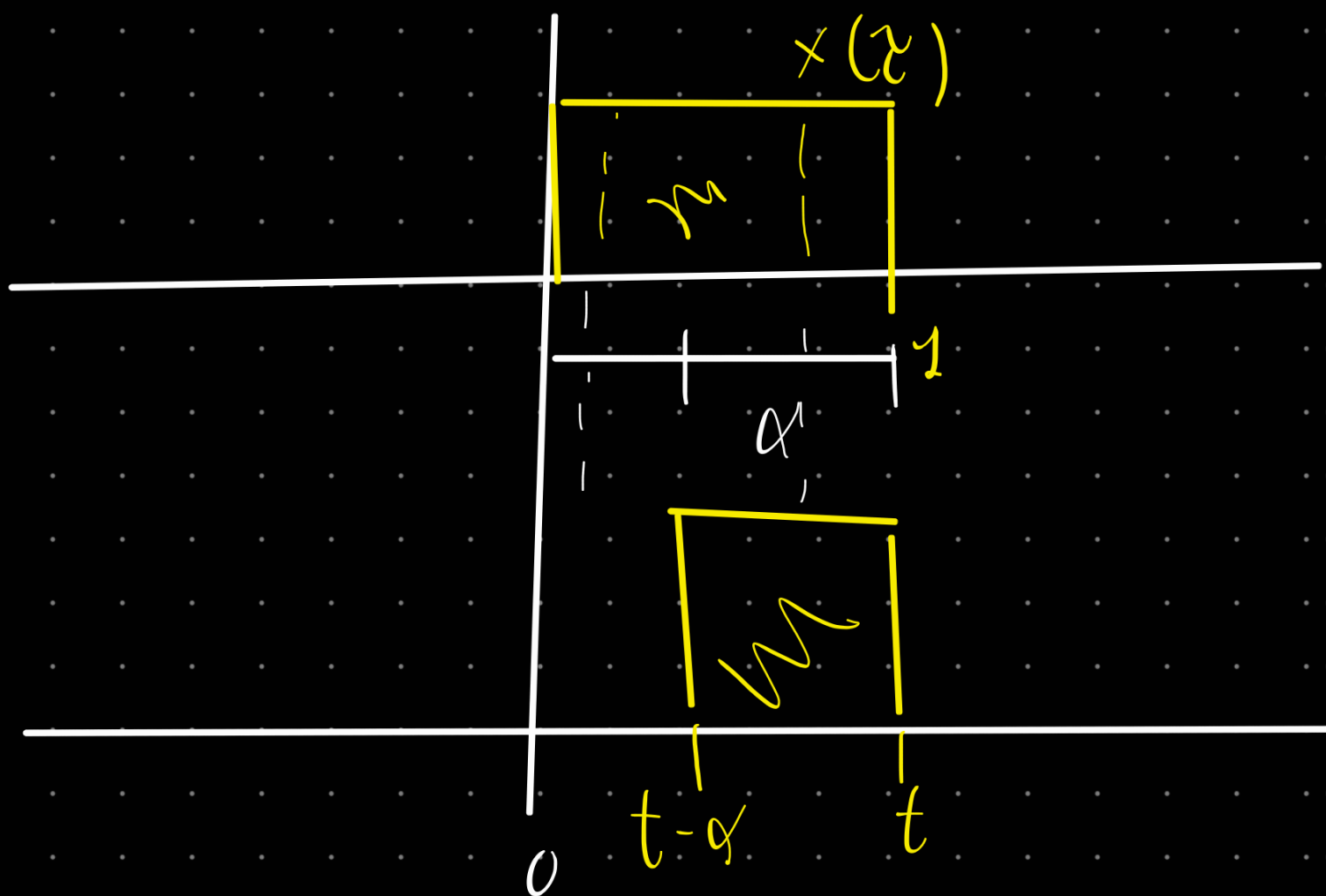
$$\int x(\tau) x\left(\frac{t-\tau}{\alpha}\right) d\tau$$

Para  $0 < t < \alpha$



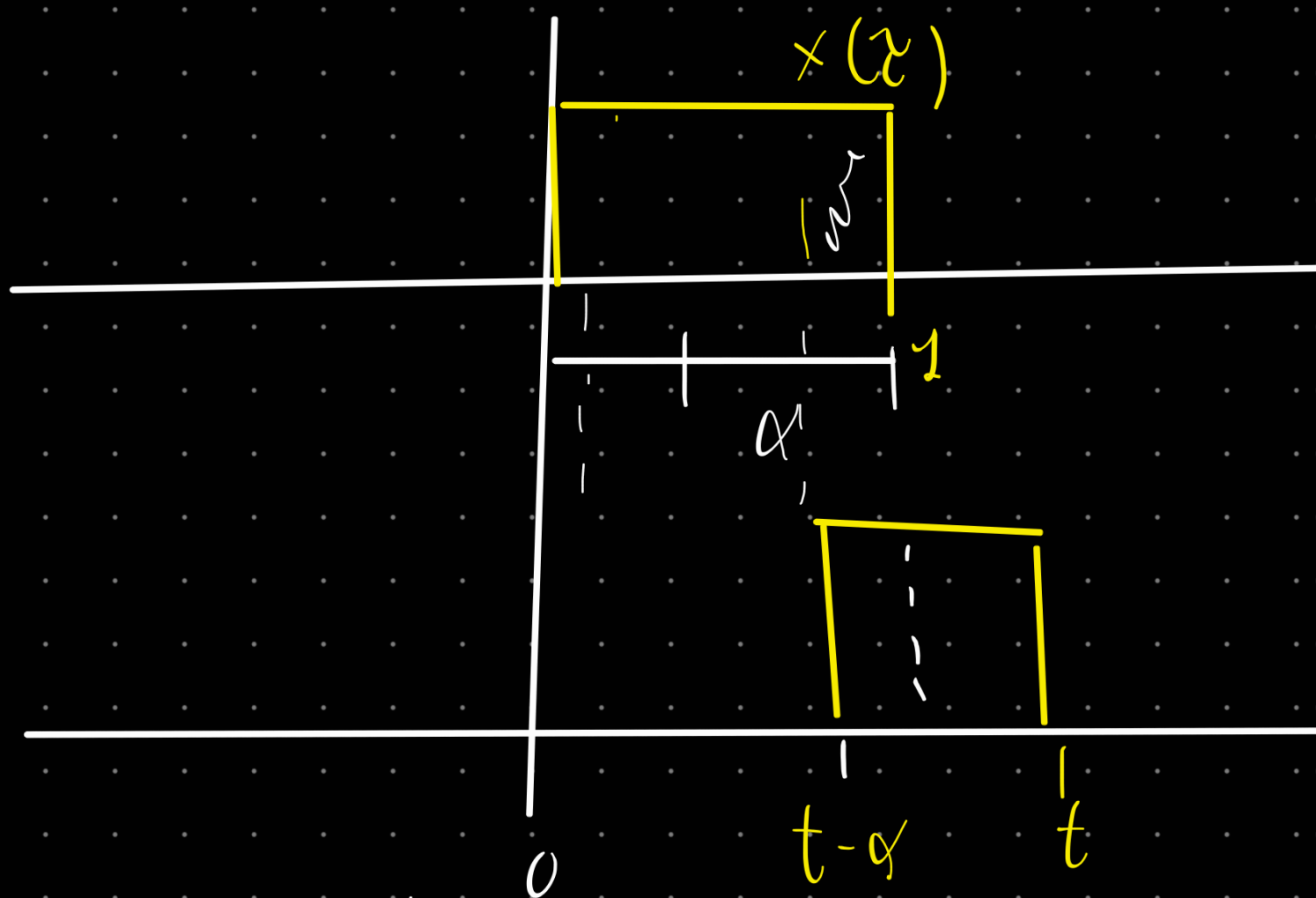
$$\int_0^t 1.1 \, dx = x \Big|_0^t = t$$

Para  $\alpha \leq t < 1$



$$\int_{t-\alpha}^t 1 \cdot 1 dz =$$

Part  $1 \leq t < 1 + \alpha$



$$\int_{t-\alpha}^1 dz$$

Par  $1+\alpha \leq t \leq \alpha$

$$\gamma(t) = 0$$