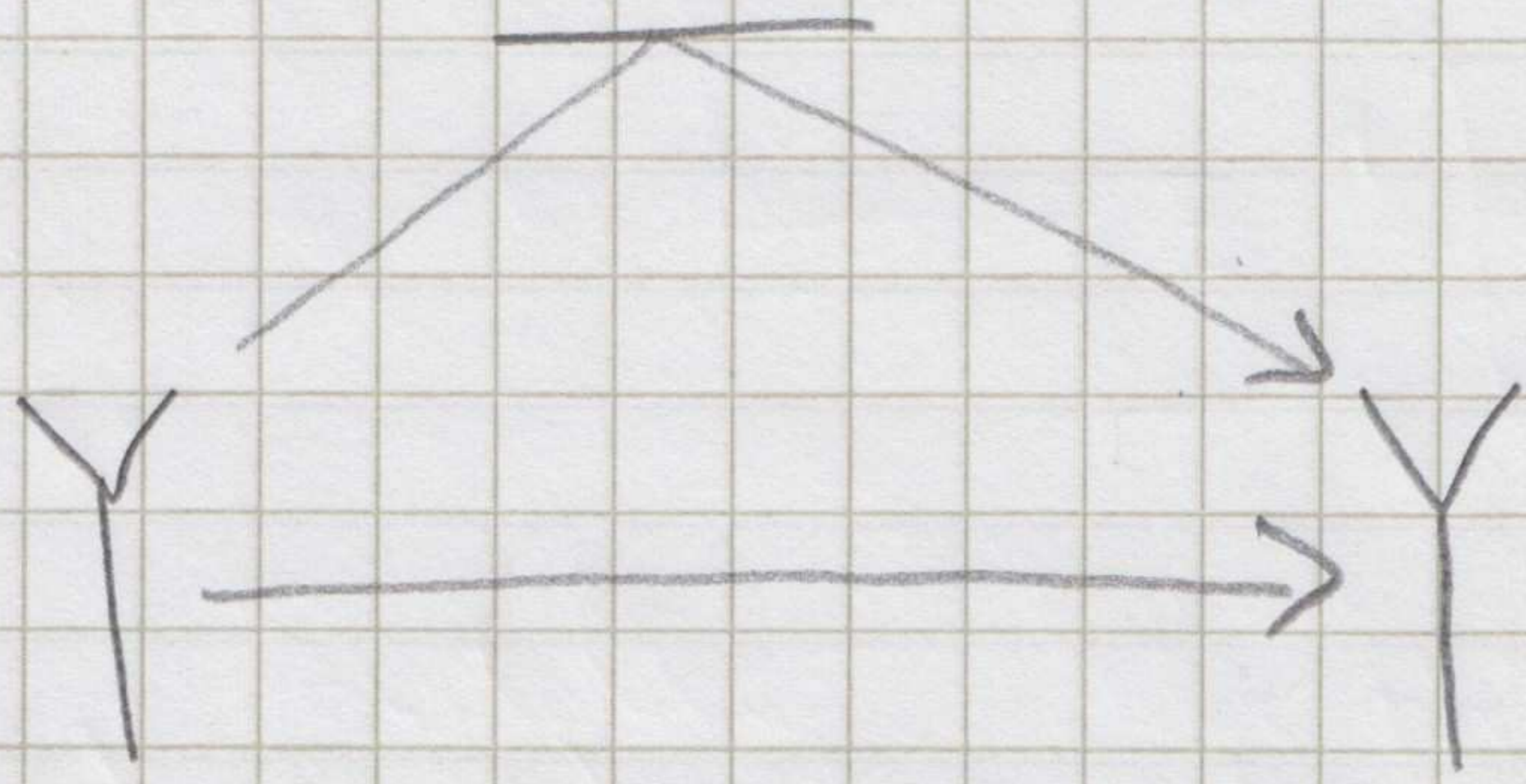
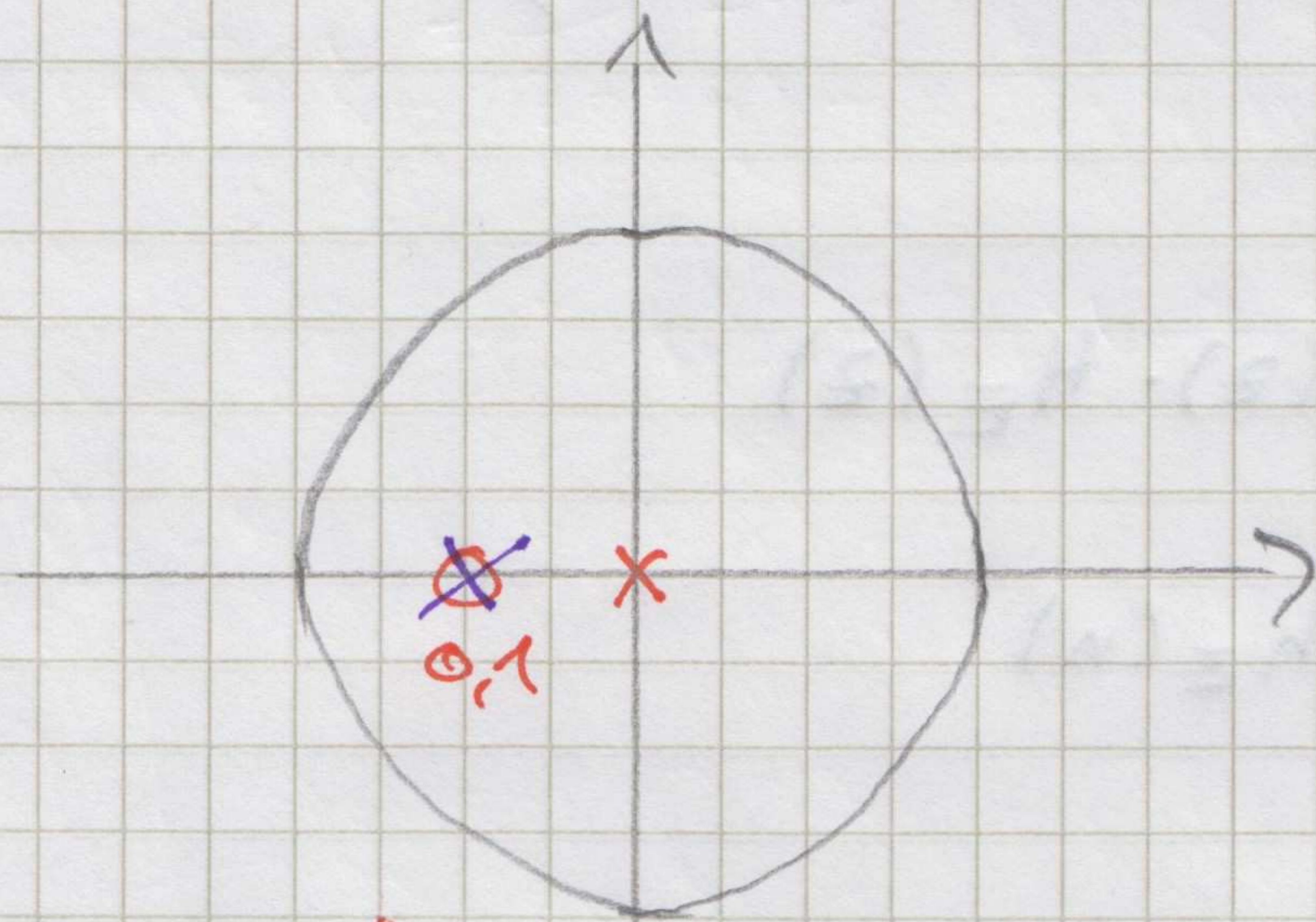


II.4.4



e)



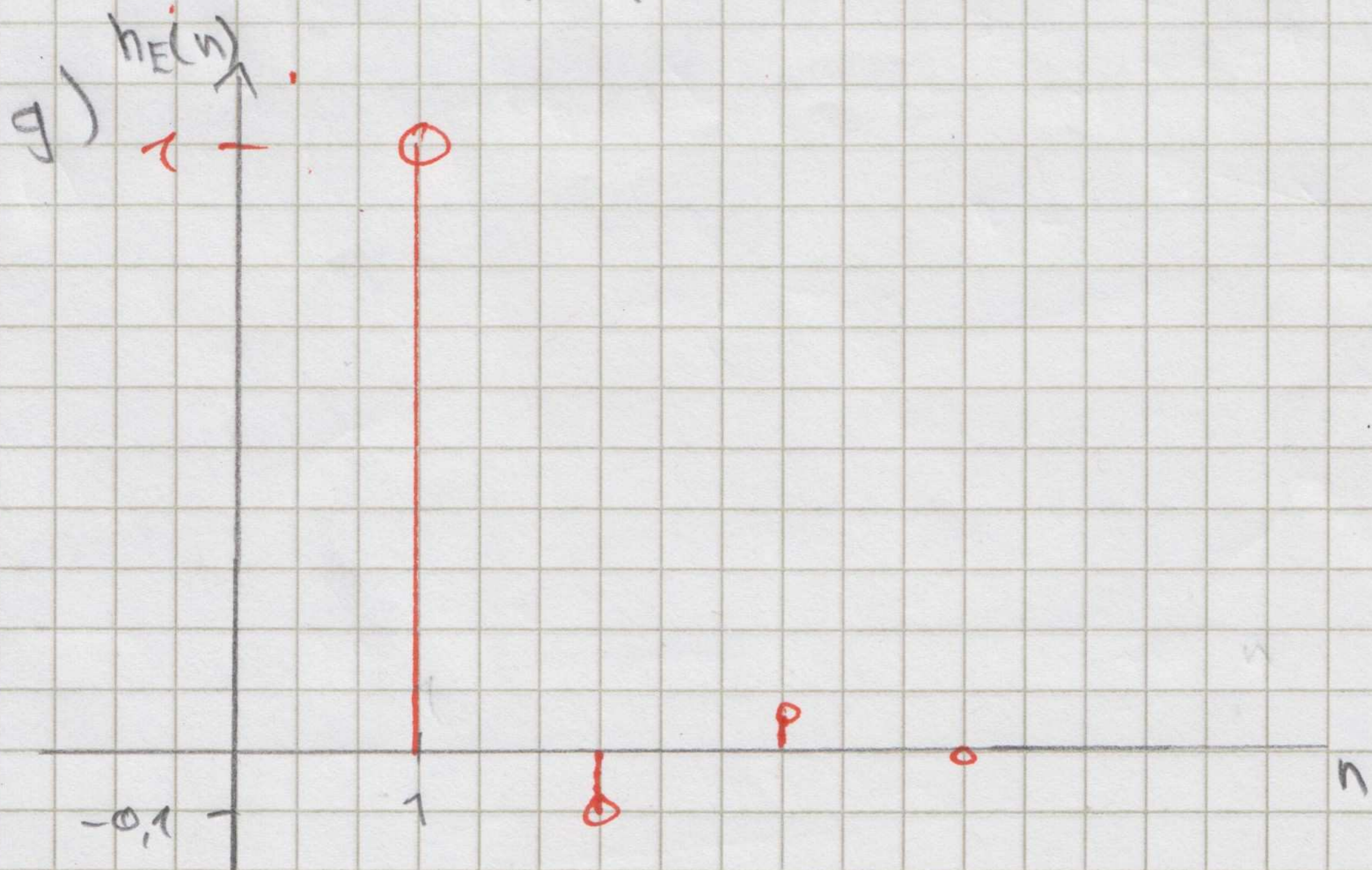
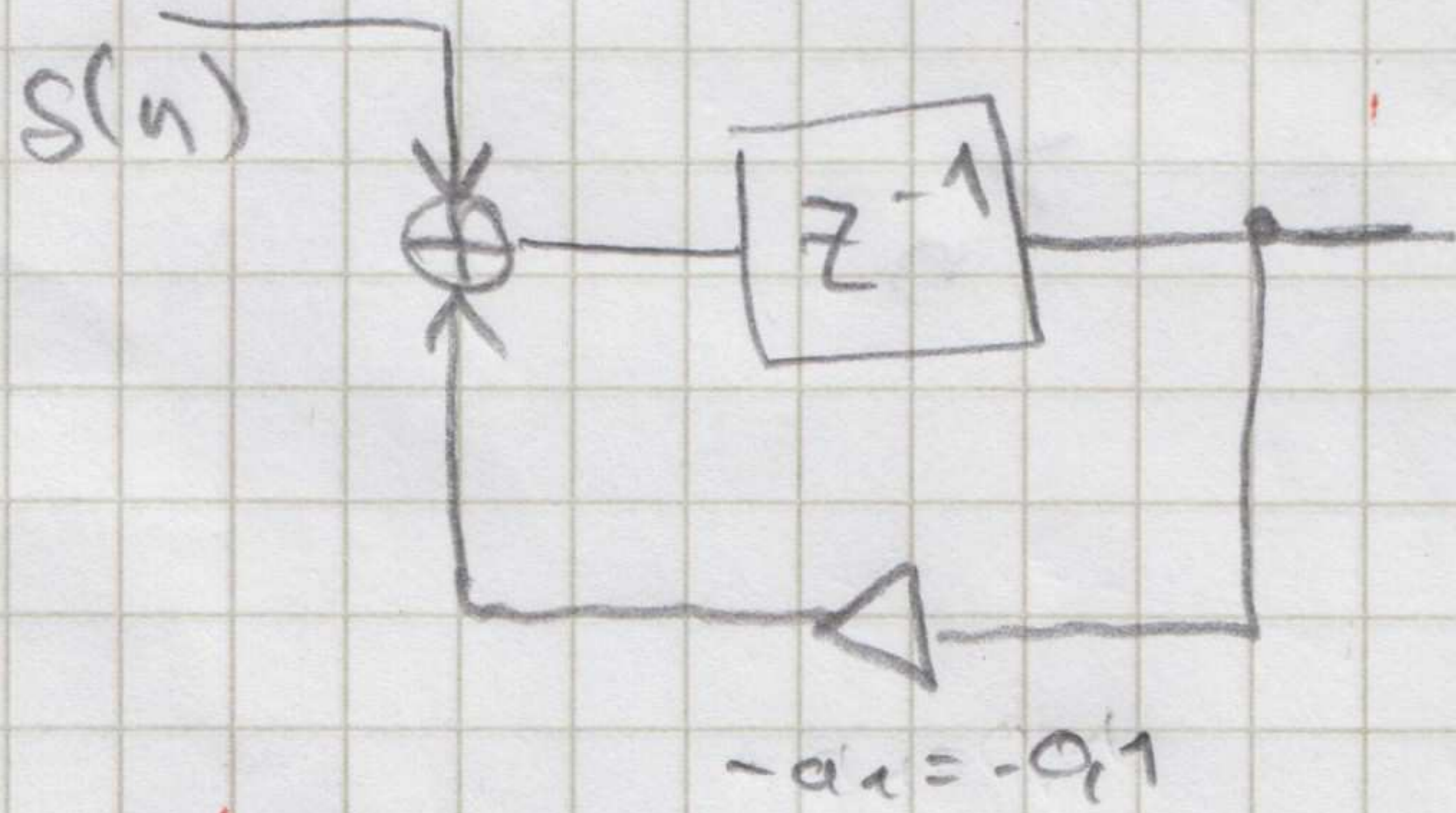
Entzerner: Polstelle

$z_1 = -0,1$

f) $H_E(z) = \frac{1}{z - z_1} = \frac{1}{z + 0,1} = \frac{1 \cdot z^{-1}}{1 + 0,1z^{-1}}$

$\leftarrow b_1 = 1$
 $\uparrow a_1 = 0,1$

Realisierung:



$h_K(n)$

keines Signal \rightarrow Kanal

1

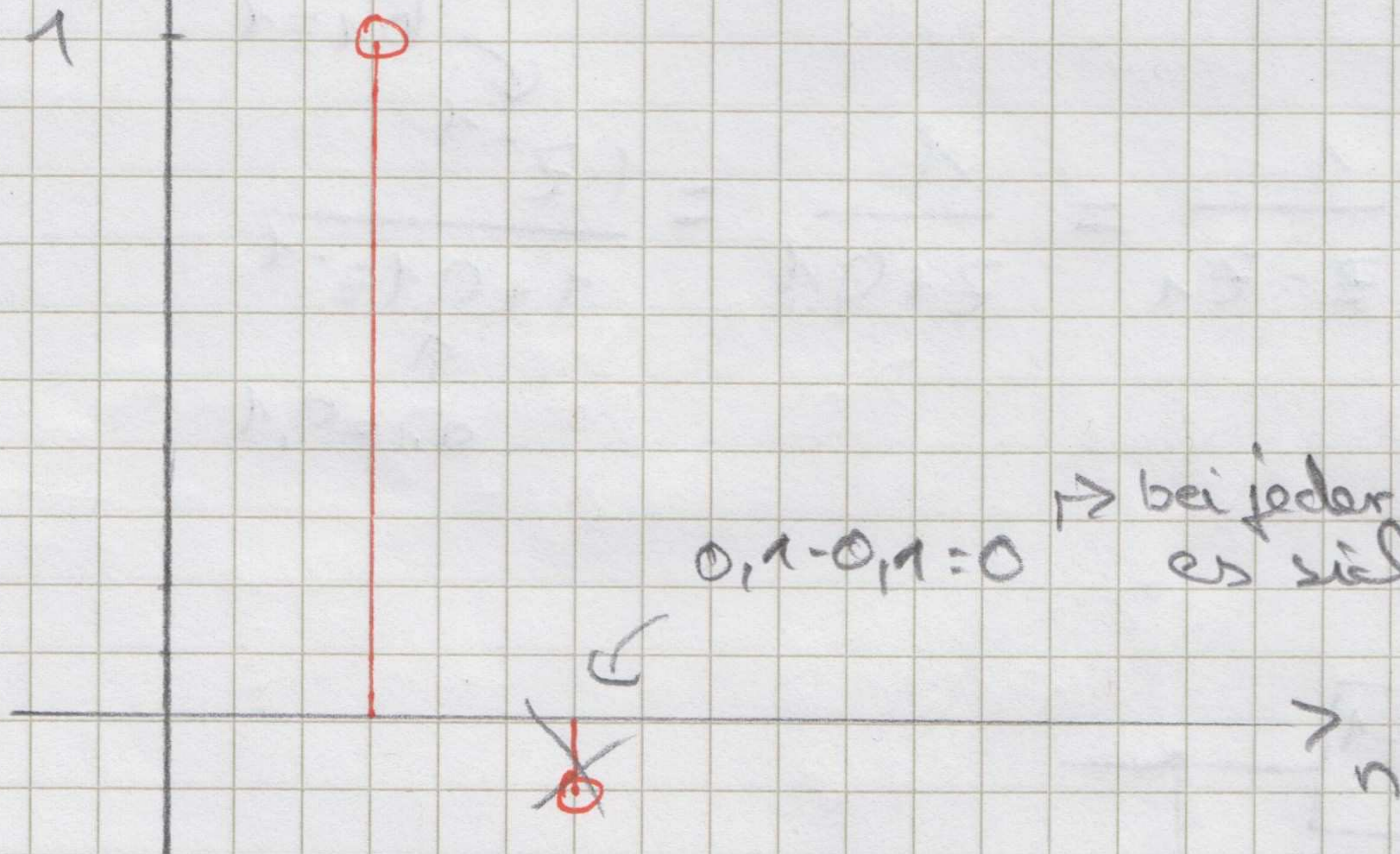


$H_{\text{Gesamt}}(z) = H_K(z) \cdot H_E(z)$

$h_G(n) = h_K(n) + h_E(n)$

$h_G(n)$

1



$0,1 - 0,1 = 0 \rightarrow$ bei jeder Verschiebung hebt es sich auf

