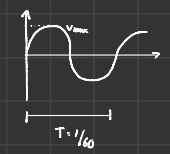
faire X4 sur la zone 1 de hysteis
Courant Channel 1
Voltage Channel 2

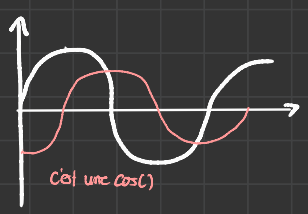
Source	Transfo	Boîte d'épluchures	Sonde différentielle	oscilloscopes



n=1
V_{max} = 2.5V
T=1/60

$V = N \frac{d\phi}{dt}$ $B = \frac{\phi}{S}$ $V(t) = V_{max} \cdot \sin(\omega t)$

a) $V(t) = V_{max} \cdot \sin(2\pi \cdot 60 \cdot t)$



$\phi = \frac{1}{N} \int V \, dt$

$\phi = \frac{1}{N} \int V_{max} \cdot \sin(2\pi 60 t)$

$\phi = \frac{-V_{max}}{N \, 120\pi} \cdot \cos(120\pi t)$

$\phi = \frac{-V_{max}}{120\pi} \cos(120\pi t)$

$\phi = \frac{-2.5}{120\pi} \cos(120\pi t)$

on mets cos(0) car cos(0)=1 donc maximum

$\phi_{max} = \frac{-2.5}{120\pi} = -0.006631455$ wb

$= -6.63$ mWb