$R = 4k$

$C = 1\mu f$

$V = 5v$

$T = 5ms \quad 5 \times 10^{-3} s$

Constante

$T = R \times C = 4000\Omega \times 1 \times 10^{-6} F = 0,004s$

$0,000001$

$V_C(t) = V\left(1 - e^{-\frac{t}{T}}\right)$

$V_C(0,005) = 5 \times \left(1 - e^{-\frac{0.005}{0.004}}\right) = 3,6$