







$$V_{OUT}(c) = E_2 + 2R\left(\frac{E_2}{R} + c\frac{dV_c}{dc}\right) = 3E_2 + 2Rc\frac{dV_c}{dt} = 3E_2 + 2Rc\frac{dV_c}{dt} = E_2\left(3 + 2e^{-\frac{c}{Rc}}\right)$$