



T_{ON} :

$$v_c(t') = Y(t') \left[\frac{-V_{DD}}{2} + \left(V_{DD} + \frac{V_{DD}}{2} \right) (1 - e^{-t'/RC}) \right]$$

$$0 = \frac{-V_{DD}}{2} + \left(V_{DD} + \frac{V_{DD}}{2} \right) (1 - e^{-\frac{T_{ON}}{RC}}) \Rightarrow T_{ON} = RC \ln\left(\frac{3}{2}\right)$$

T_{OFF} :

$$v_c(t'') = Y(t'') \left[-V_{DD} (1 - e^{-t''/RC}) \right]$$

Papirer