Wednesday, May 8, 2019 9:06 PM

$$\forall t \in [0, t_{sw}] \quad \dot{m}(t) = -bu^*(t) = -bu_{max} = const$$

$$\Rightarrow$$
 m(tsw) = m(o) + (-bunax) (tsw)

$$=) t_{SW} = \frac{m(t_{SW}) - m_0}{-b n_{max}}$$