$$V\_{OUT}=-3.88e^{-6}T^{2}+\left(-1.15e^{-2}T\right)+1.8639$$

$$0=-3.88e^{-6}T^{2}+\left(-1.15e^{-2}T\right)+1.8639-V\_{OUT}$$

$a=-3.88e^{-6}$, $b=-1.15e^{-2} $, $c=1.8639-V\_{OUT}$

$$T=\frac{-\left(-1.15e^{-2}\right)\pm \sqrt{\left(-1.15e^{-2}\right)^{2}-4\left(-3.88e^{-6}\right)\left(1.8639-V\_{OUT}\right)}}{2\left(-3.88e^{-6}\right)}$$

$$T=\frac{-\left(-1.15e^{-2}\right)}{2\left(-3.88e^{-6}\right)}\pm \sqrt{\frac{\left(-1.15e^{-2}\right)^{2}}{2^{2}\left(-3.88e^{-6}\right)^{2}}-\frac{4\left(-3.88e^{-6}\right)\left(1.8639-V\_{OUT}\right)}{2^{2}\left(-3.88e^{-6}\right)^{2}}}$$

$$T=-1481.96+\sqrt{2.1962×10^{6}+\frac{\left(1.8639-V\_{OUT}\right)}{3.88×10^{-6}}}$$