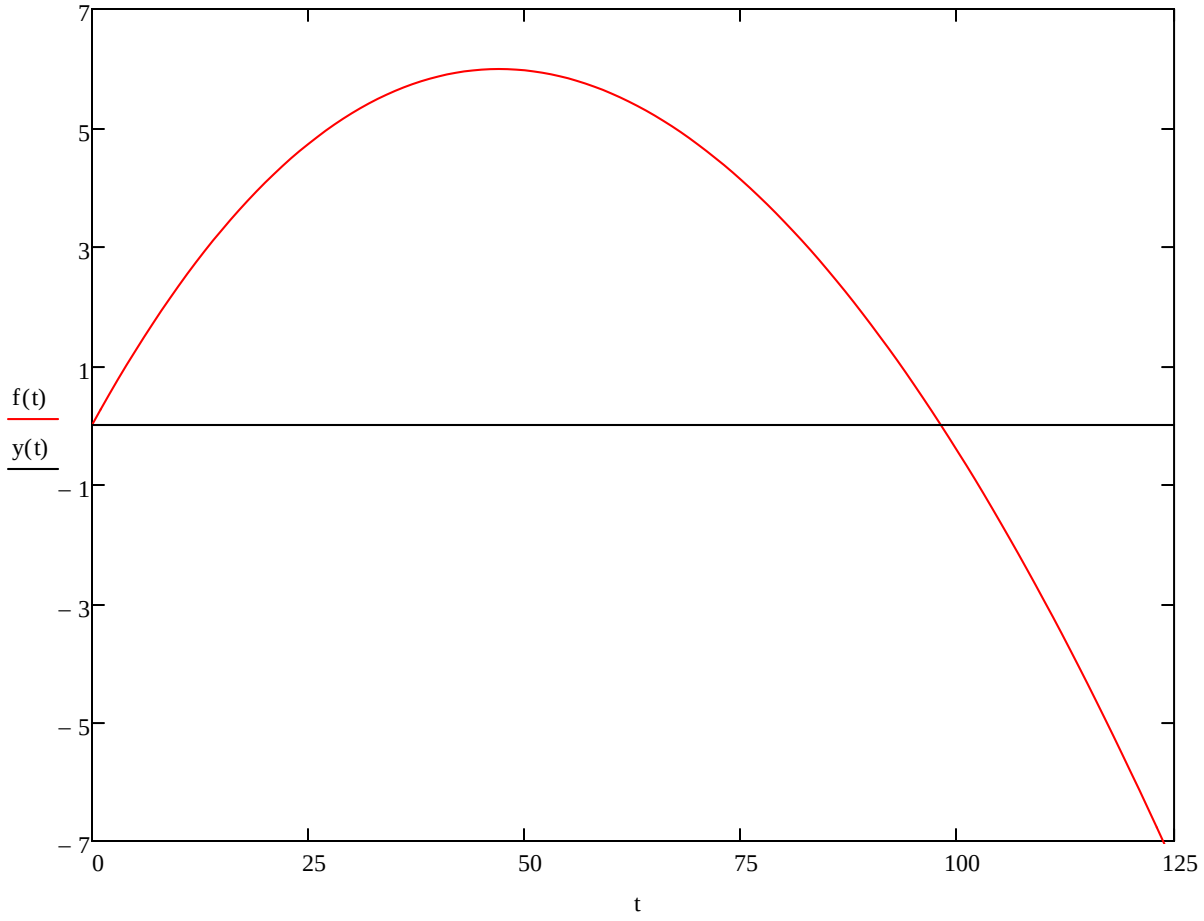
$h := 0 \qquad k := .005 \qquad v_o := 600 \qquad \theta := \frac{\pi}{3} \qquad g := 9.8 \qquad t := 0 .. 125$

$$f(T) := \left(\frac{v_o \cdot \sin(\theta)}{g} + \frac{1}{k}\right) \cdot \left(1 - e^{-k \cdot T}\right) - T$$

Need T for which f(T)=0



$f(98.0623) = 7.802 \times 10^{-6}$

$T = 0$ and $T := 98.0623$

Range:

$$R := \left(\frac{v_o \cdot \cos(\theta)}{k}\right) \cdot \left(1 - e^{-k \cdot T}\right)$$

$R = 2.325 \times 10^{4}$