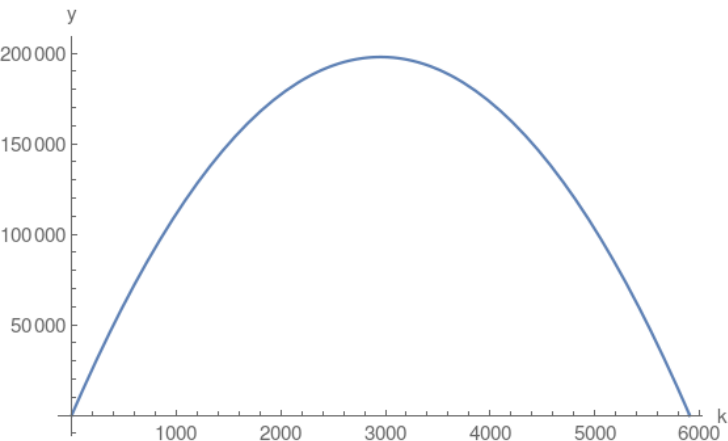


3.

3. (1) To compute the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-134}{2 \frac{(-10)}{21^2}} = \frac{29547}{10}$$



since the height y of the projectile is governed by a Parabola formula.