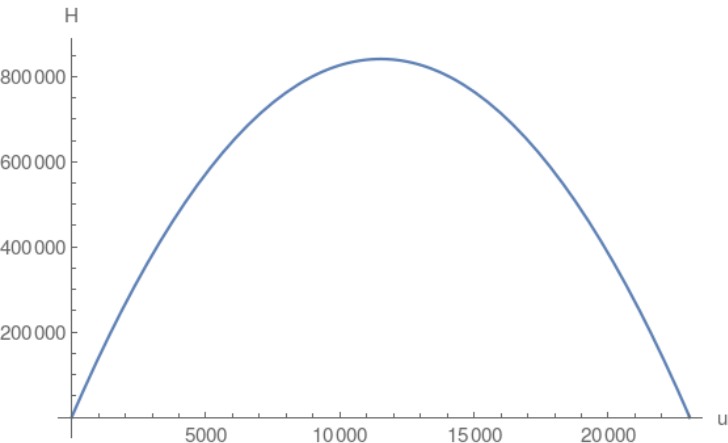


3.

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

$$\text{vertex} = \frac{-146}{2 \frac{(-14)}{47^2}} = \frac{161257}{14}$$



since the height  $H$  of the projectile is modeled by a Parabola equation.