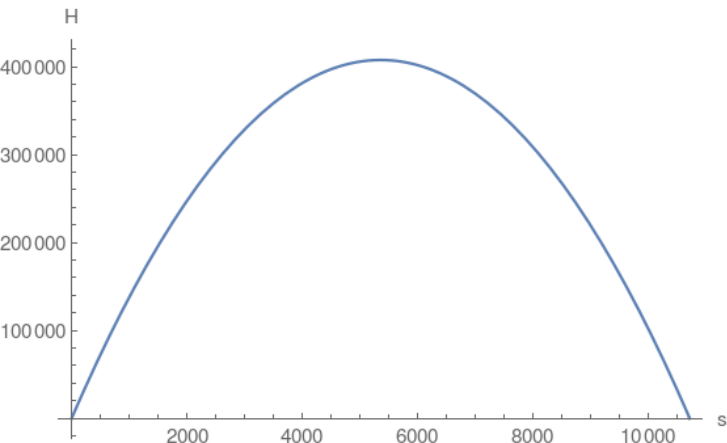


3.

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

$$\text{vertex} = \frac{-152}{2 \frac{(-25)}{42^2}} = \frac{134064}{25}$$



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