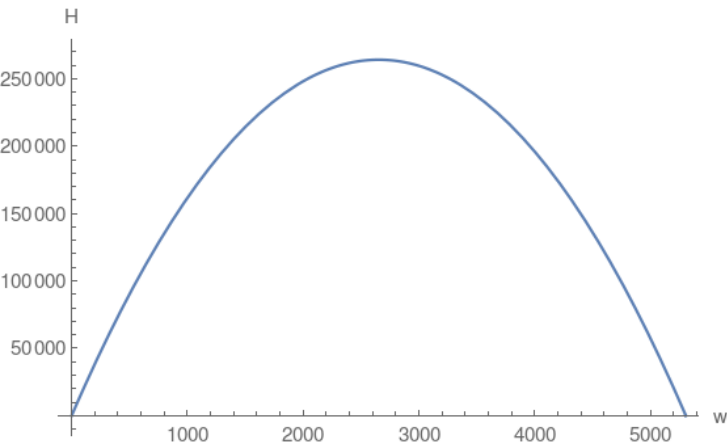


4.

4. (a) To compute the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-199}{2 \frac{(-15)}{20^2}} = \frac{7960}{3}$$



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