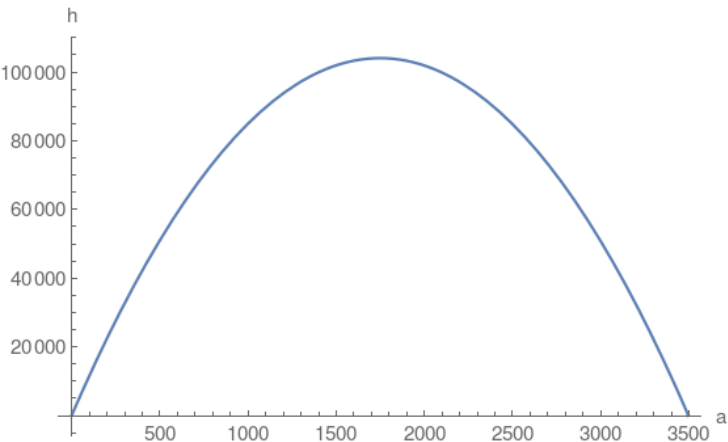


3.

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

$$\text{vertex} = \frac{-119}{2 \frac{(-18)}{23^2}} = \frac{62951}{36}$$



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