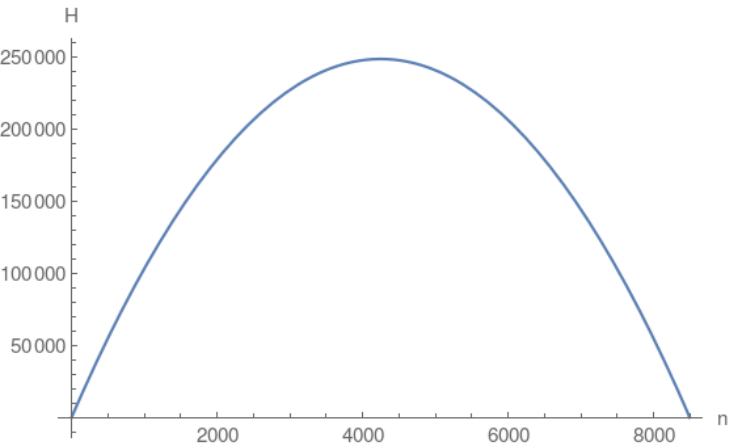


2.

2. (a) To find the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-117}{2 \frac{(-15)}{33^2}} = \frac{42471}{10}$$



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