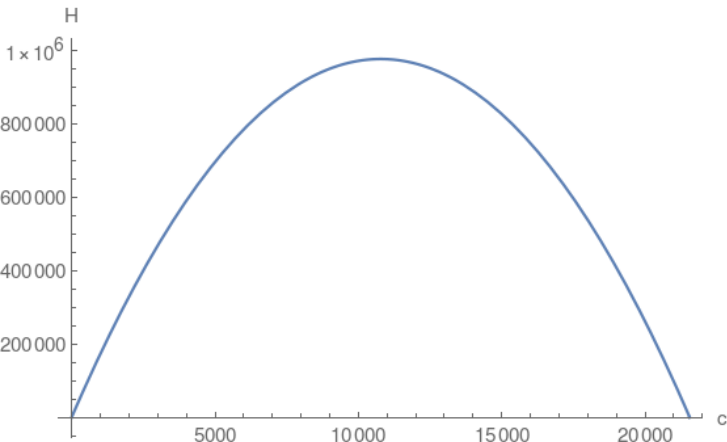## 4.

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

$$\text{vertex} = \frac{-181}{2\frac{(-17)}{45^2}} = \frac{366\,525}{34}$$

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