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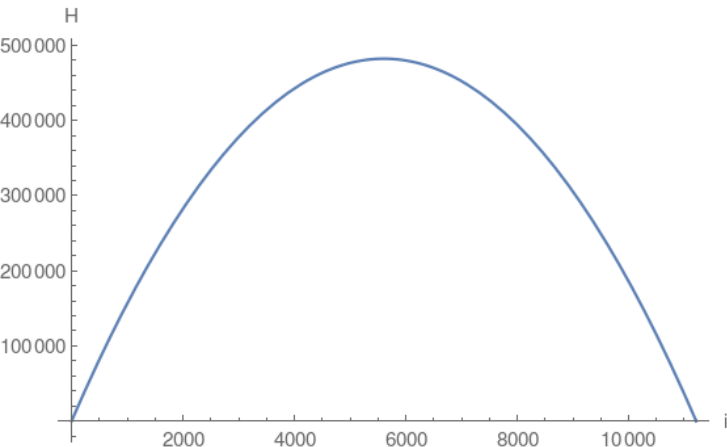
2. (a) To compute the MIN/MAX, first calculate the vertex:

$$\text{vertex} = \frac{-172}{2\frac{(-21)}{37^2}} = \frac{117\,734}{21}$$

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