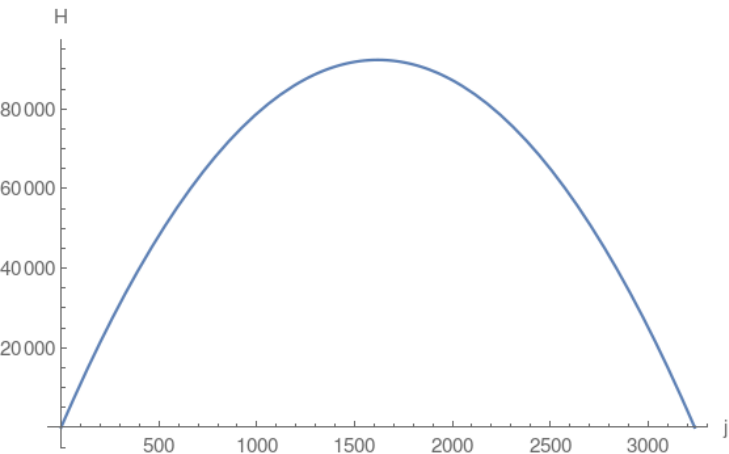


3.

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

$$\text{vertex} = \frac{-114}{2 \cdot \frac{(-22)}{25^2}} = \frac{35625}{22}$$



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