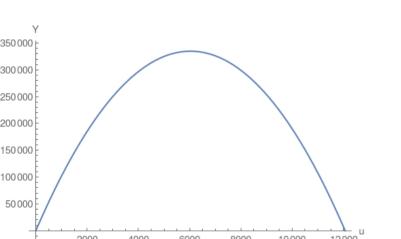
(1) To find the MIN/MAX, first calculate the vertex:

 $vertex = \frac{-111}{2 \cdot \frac{(-23)}{50^2}} = \frac{138750}{23}$ 350 000 H 300 000 250 000



4000 10000 12000 2000 6000 8000 since the height Y of the projectile is governed by a Parabola formula.