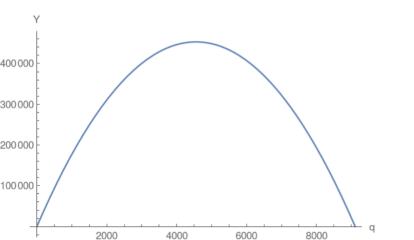
4. (A) When solving for MIN/MAX for a parabola, calculate the vertex: $vertex = \frac{-199}{2\frac{(-21)}{31^2}} = \frac{191239}{42}$



6000

4000