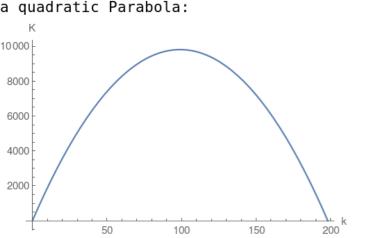
2.

other edge of rectangle. Area of the rectangle is = kimesa.

2. Perimeter of rectangle = 2(k+a)=396 where a is the length of the

Then reformulate the area $K = k \times a = 198 k - k^2$ which turns out to be a quadratic Parabola:



Use perimeter equation and solve for a= ^{396-2k}

Compute the vertex $rac{396}{4}$ and then plug the vertex into the area which will compute the maximum area.