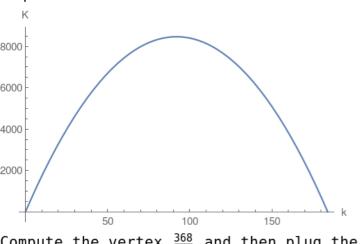
2.

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

2. Perimeter of rectangle = 2(k+a)=368 where a is the length of the

Then reformulate the area  $K=k \times a=184 \ k-k^2$  which turns out to be a quadratic Parabola:



Use perimeter equation and solve for a=  $\frac{368-2k}{2}$ 

Compute the vertex  $\frac{368}{4}$  and then plug the vertex into the area which will compute the maximum area.