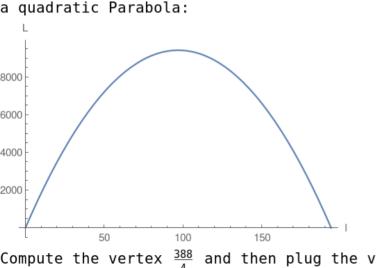
4. Perimeter of rectangle = 2(l+a)=388 where a is the length of the

other edge of rectangle. Area of the rectangle is $= l \times a$.

8000

Then reformulate the area $L= l \times a = 194 l - l^2$ which turns out to be



Use perimeter equation and solve for a= $\frac{388-21}{2}$

Compute the vertex $rac{388}{4}$ and then plug the vertex into the area which will compute the maximum area.