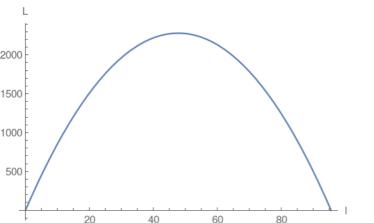
other edge of rectangle. Area of the rectangle is =  $l \times a$ .

Use perimeter equation and solve for  $a = \frac{191-21}{2}$ 

Then reformulate the area  $L=1\times a=\frac{1911}{2}-1^2$  which turns out to be

2. Perimeter of rectangle = 2(l+a)=191 where a is the length of the

a quadratic Parabola: 2000 1500



Compute the vertex  $rac{191}{4}$  and then plug the vertex into the area which will compute the maximum area.