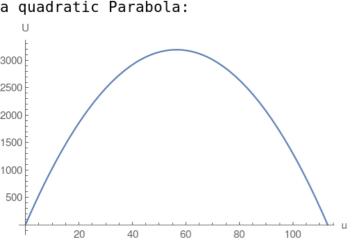
Perimeter of rectangle = 2(u+a)=226 where a is the length of the

Use perimeter equation and solve for $a = \frac{226-2u}{2}$ Then reformulate the area $U = u \times a = 113 \, u - u^2$ which turns out to be

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



Compute the vertex $\frac{226}{4}$ and then plug the vertex into the area which will compute the maximum area.