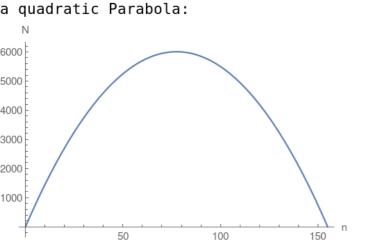
2.

other edge of rectangle. Area of the rectangle is = n imes a.

Use perimeter equation and solve for $a=\frac{310-2n}{2}$ Then reformulate the area N= n×a = 155 n - n^2 which turns out to be

2. Perimeter of rectangle = 2(n+a)=310 where a is the length of the



Compute the vertex $\frac{310}{4}$ and then plug the vertex into the area which will compute the maximum area.