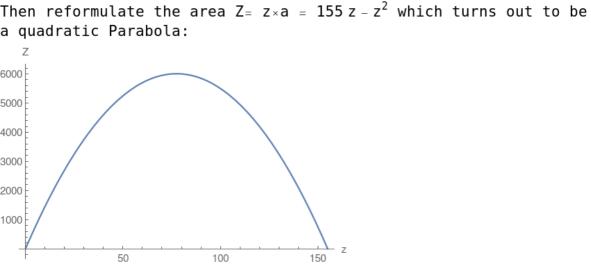
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other edge of rectangle. Area of the rectangle is = z imes a.

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

Use perimeter equation and solve for $a=\frac{310-2z}{2}$



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