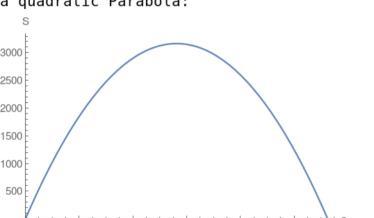
2.

other edge of rectangle. Area of the rectangle is = s×a. Use perimeter equation

2. Perimeter of rectangle = 2(s+a)=225 where a is the length of the

and solve for $a=\frac{225-2s}{2}$ Then reformulate the area $S=s\times a=\frac{225\,s}{2}-s^2$ which turns out to be a quadratic Parabola:



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Compute the vertex $\frac{225}{4}$ and then plug the vertex into the area which will compute the maximum area.

100

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