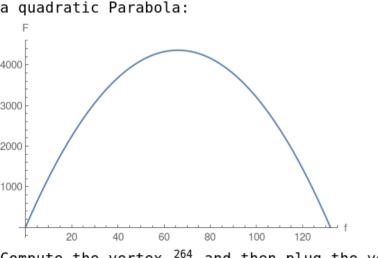
other edge of rectangle. Area of the rectangle is = fimesa.

2. Perimeter of rectangle = 2(f+a)=264 where a is the length of the

4000

Then reformulate the area  $F = f \times a = 132 f - f^2$  which turns out to be



Use perimeter equation and solve for  $a = \frac{264-2f}{2}$ 

Compute the vertex  $rac{264}{4}$  and then plug the vertex into the area which will compute the maximum area.