length b and one side has length a:  $a_+b_+b_=3309\implies a_=3309-2b$  the area:  $a_+b_+b_=3309=3309$  b = 2 b  $b_-2$  b  $b_-2$  Note that the function is for parabola. Now find the vertex:

Square the unit for vertex's vertical coordinate since it is a quadratic.

 $vertex = (\frac{3309}{4} meters , \frac{10949481}{2} meters^2)$ 

Since the fences enclose a rectangular plot without one side, two sides have