$a+b+b=2288 \implies a=2288-2b$ the area: area=a×b=(l-2b)b= 2288 b - 2 b² Note that the equation is for parabola. Now find the vertex:

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

length b and one side has length a:

 $vertex = (572 \text{ m}, 654368 \text{ m}^2)$

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