$a+b+b=2012 \implies a=2012-2b$ the area: area=a×b=(l-2b)b= 2012b-2b² Note that the function is for parabola. Now compute the vertex:

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

length b and one side has length a:

vertex= (503 yards , 506018 vards²)

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