Now compute the area: $area=a\times b=(l-2b)\,b=\ 1095\ b-2\ b^2$ Notice the Parabolic function, compute the vertex: $vertex=\ (\frac{1095}{2}\ m\ ,\ \frac{1199\,025}{2}\ m^2\)$

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

 $a+b+b=1095 \implies a=1095-2b$

4. There are 3 sides to fence, two sides with length b and one side with length a: