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    (1) Basis for the Revenue model is a simple multiplication:

Revenue = Price\timesQuantity = (-4w+435) \times w = 435 w - 4 w^2
Notice the latter is a quadratic:
 r:price
             revenue curve
15000
10000
5000
```

(2) Domain starts at 0 Euros revenue up to w-intercept coordinate equal to twice the value of vertex of the Parabola:  $\frac{435}{4}$ 

(4) The maximum occurs at the vertex w-intercept coordinate:  $\frac{435}{\alpha}$ 

or the amount 11826.6 Euros .