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1. (1) Basis for the Revenue model is a simple multiplication:
Revenue = Price\times0uantity = (-7i+411) \times i = 411i-7i^2
Notice the latter is a quadratic:
k:price
            revenue curve
8000
6000
4000
```

(2) Domain starts at 0 Euros revenue up to j-intercept coordinate equal to twice the value of vertex of the Parabola:

The maximum occurs at the vertex j-intercept coordinate:

or the amount 6032.89 Euros .