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

Revenue = Price×Quantity = \left(-\frac{1}{3}r + 494\right) \times r = 494 r - \frac{r^2}{3}
Notice the latter is a quadratic:
250 000
200 000
150 000
100 000
50 000
(B) Domain starts at 0 Euros revenue up to r-intercept coordinate equal to twice the value of vertex of the Parabola:
1482
(D) The maximum occurs at the vertex r-intercept coordinate:
```

741

or the amount 183027. Euros .