```
Revenue = Price×Quantity = (-\frac{4}{3}r + 273) \times r = 273 r - \frac{4 r^2}{3}

Notice the latter is a quadratic:

mprice

mprice

revenue curve
```

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

(4) The maximum occurs at the vertex r-intercept coordinate:

or the amount 13974.2 USDollars .

