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

Revenue = Price×Quantity = (-\frac{7}{4}t+249) \times t = 249t - \frac{7t^2}{4}
Notice the latter is a quadratic:
 m:price
12000
10000
8000
6000
4000
2000
```

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

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

or the amount 8857.28 Yen .