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1. (a) Basis for the Revenue model is a simple multiplication:
Revenue = Price\timesQuantity = (-2u+104) \times u = 104u-2u^2
Notice the latter is a quadratic:
b:price
           revenue curve
(b) Domain starts at 0 USDollars revenue up to u-intercept coordinate equal to twice the value of vertex of the Parabola:
(d) The maximum occurs at the vertex u-intercept coordinate:
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or the amount 1352. USDollars .