

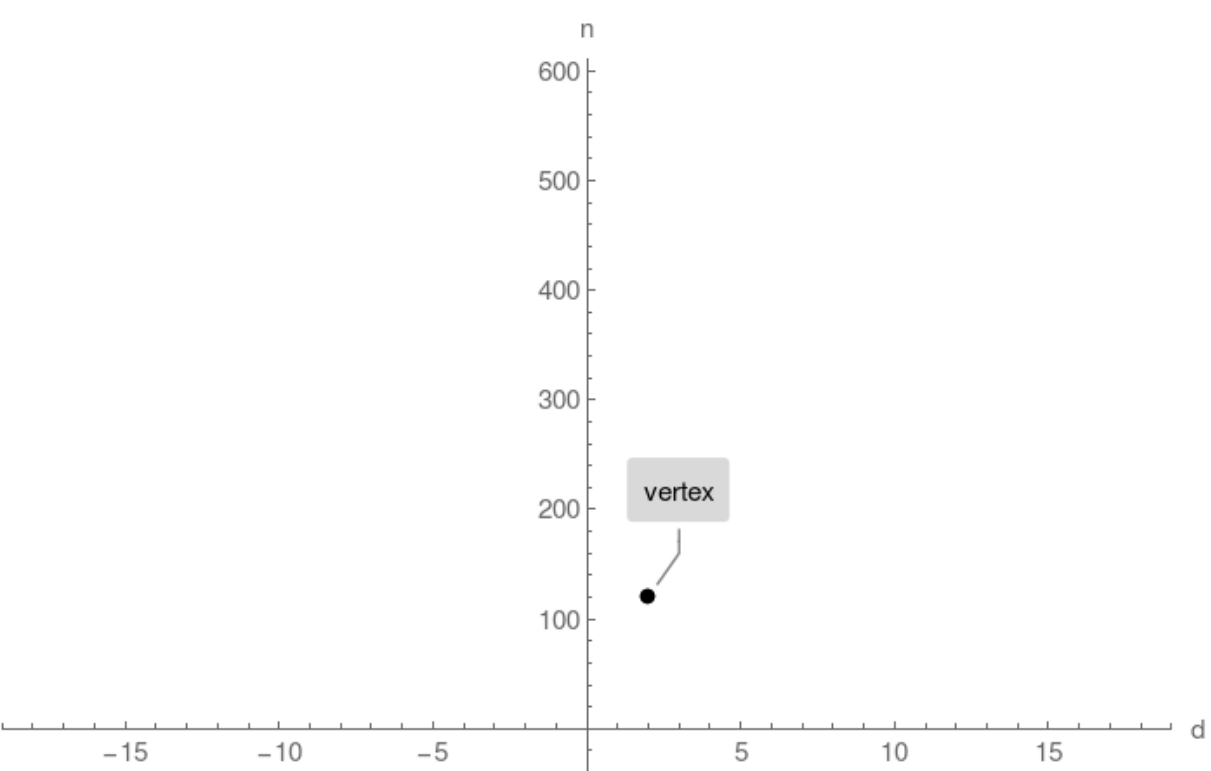
Example 2. No horizontal intercepts found

Plot $n(d) = d^2 - 4d + 124$

Step 1.

Compute vertex and plot single point:

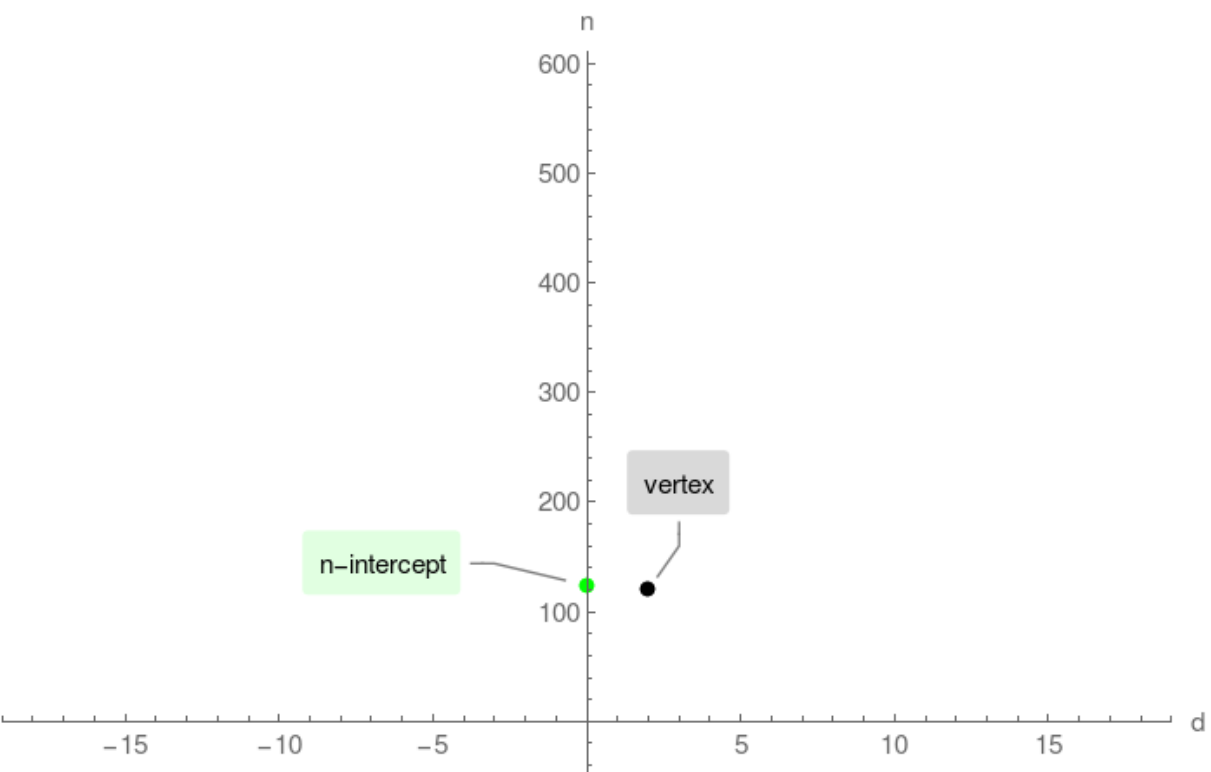
vertex = (2, 120)



Step 2.

Compute n-intercept and plot single point:

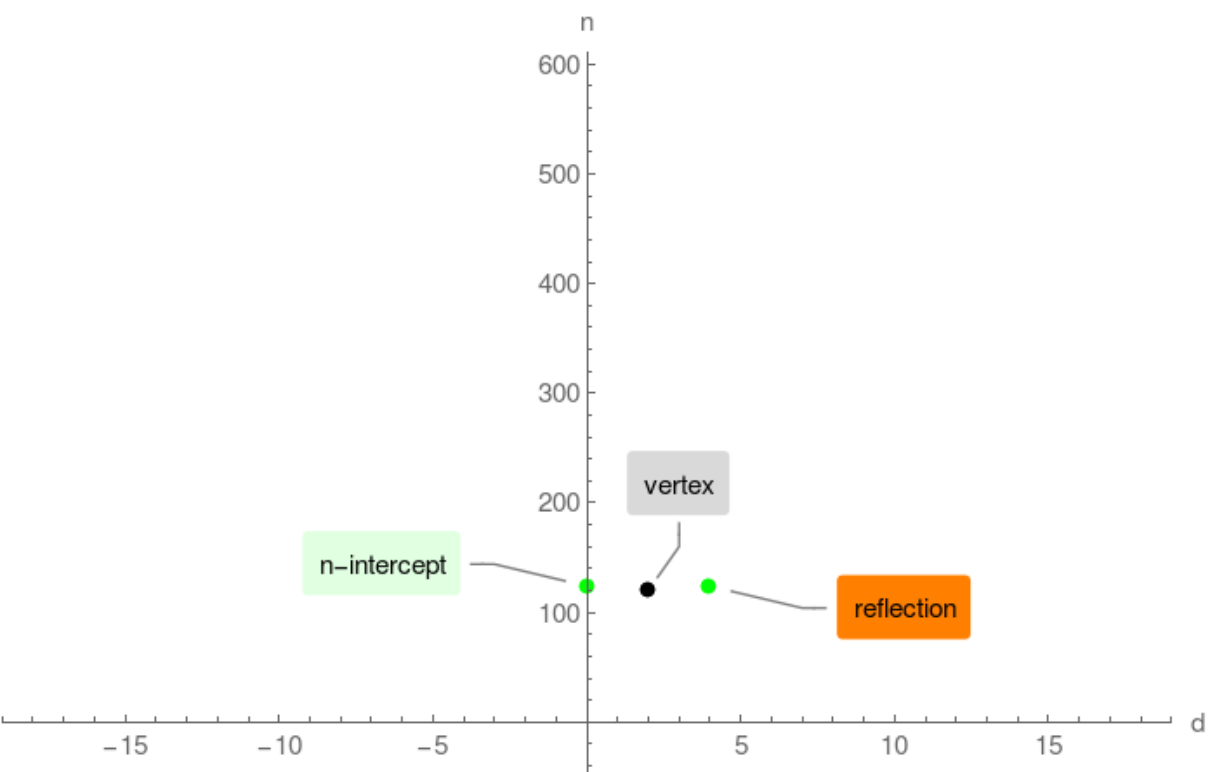
n-intercept = (0, 124)



Step 3.

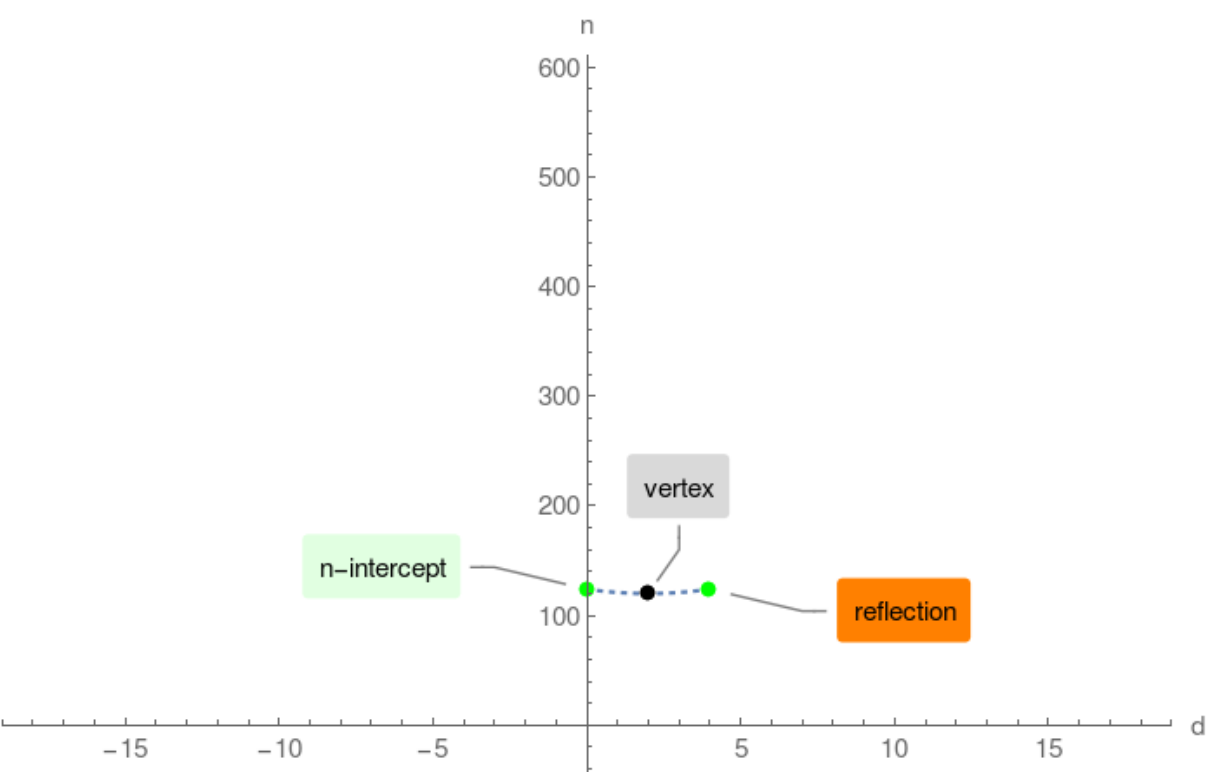
Compute n-intercept reflected against vertex,

reflection = (4, 124)



Step 4.

connect the above computed points:



Step 5.

Extend the parabola beyond the range of intercepts

