

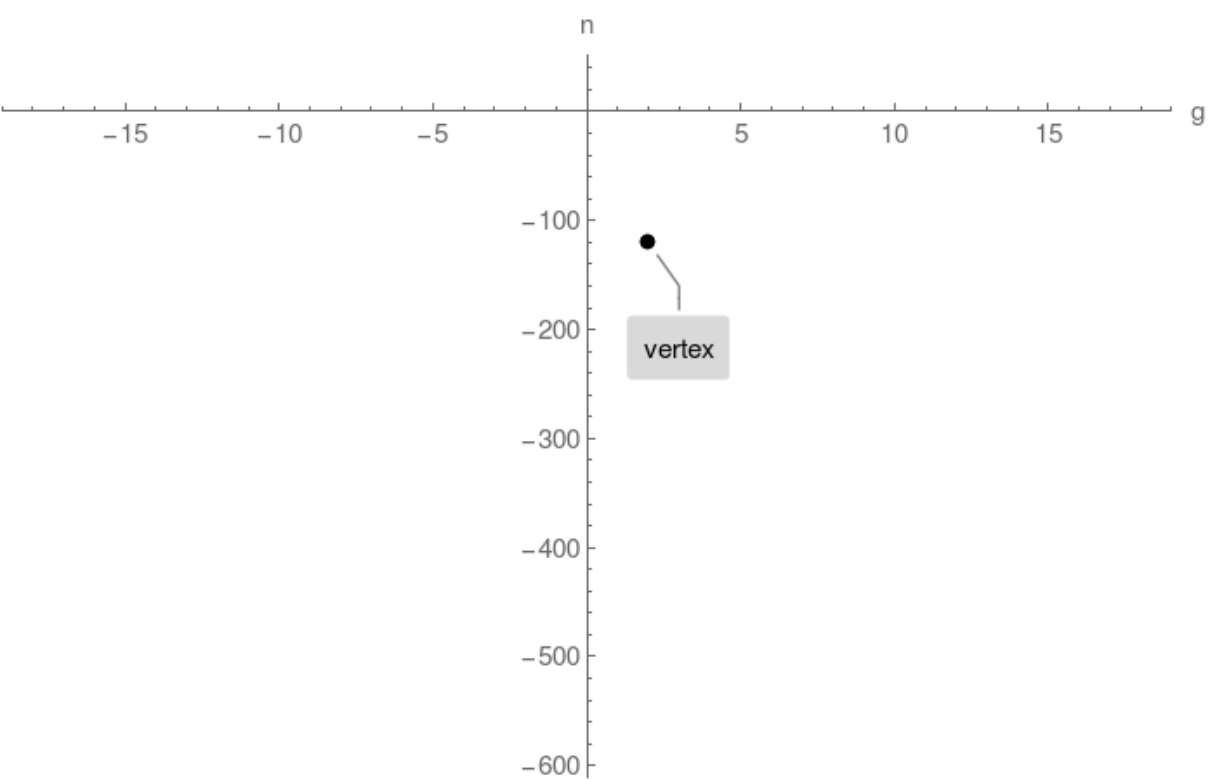
Example 2. No horizontal intercepts found

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

Step 1.

Compute vertex and plot single point:

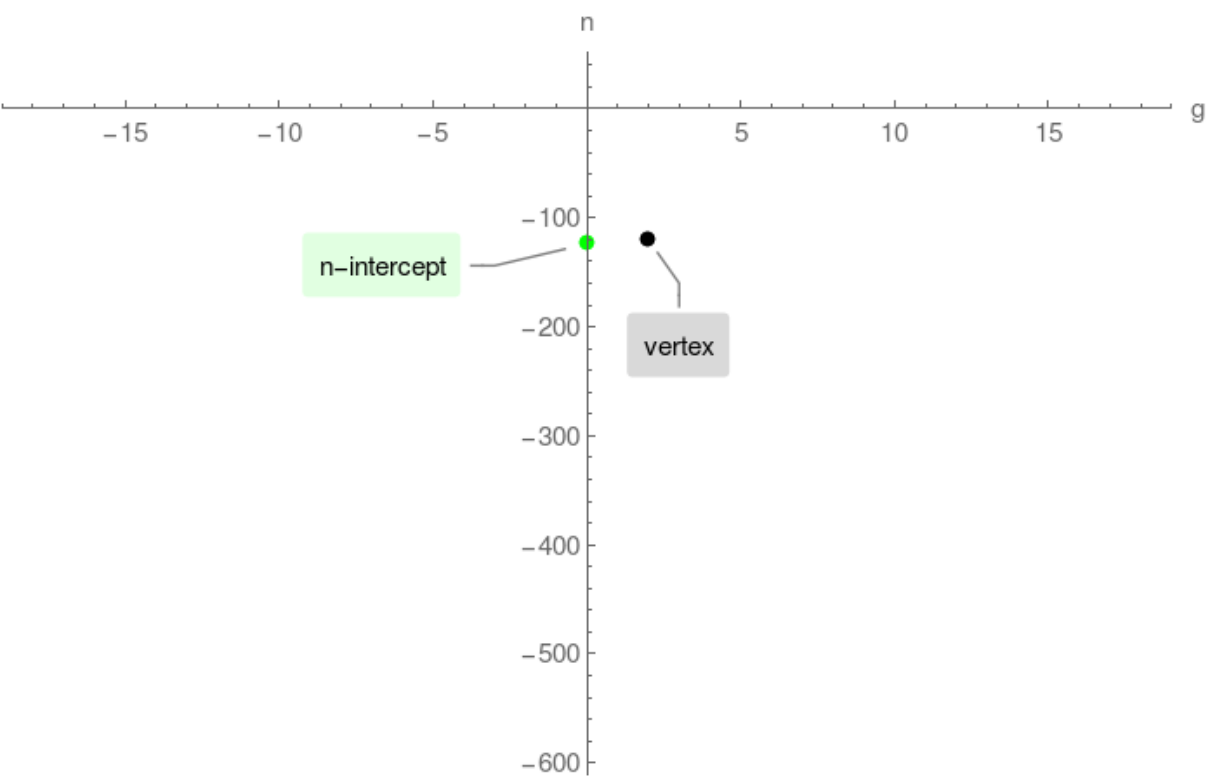
vertex = $(2, -120)$



Step 2.

Compute n-intercept and plot single point:

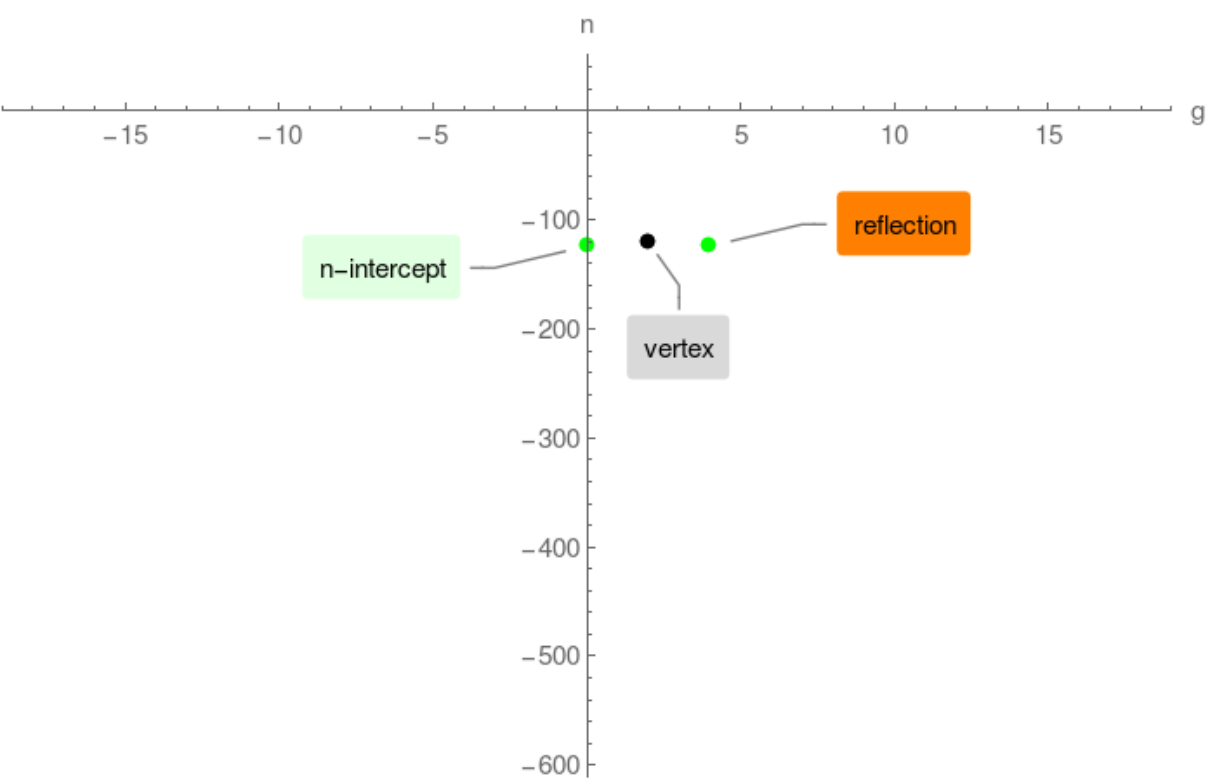
n-intercept = $(0, -124)$



Step 3.

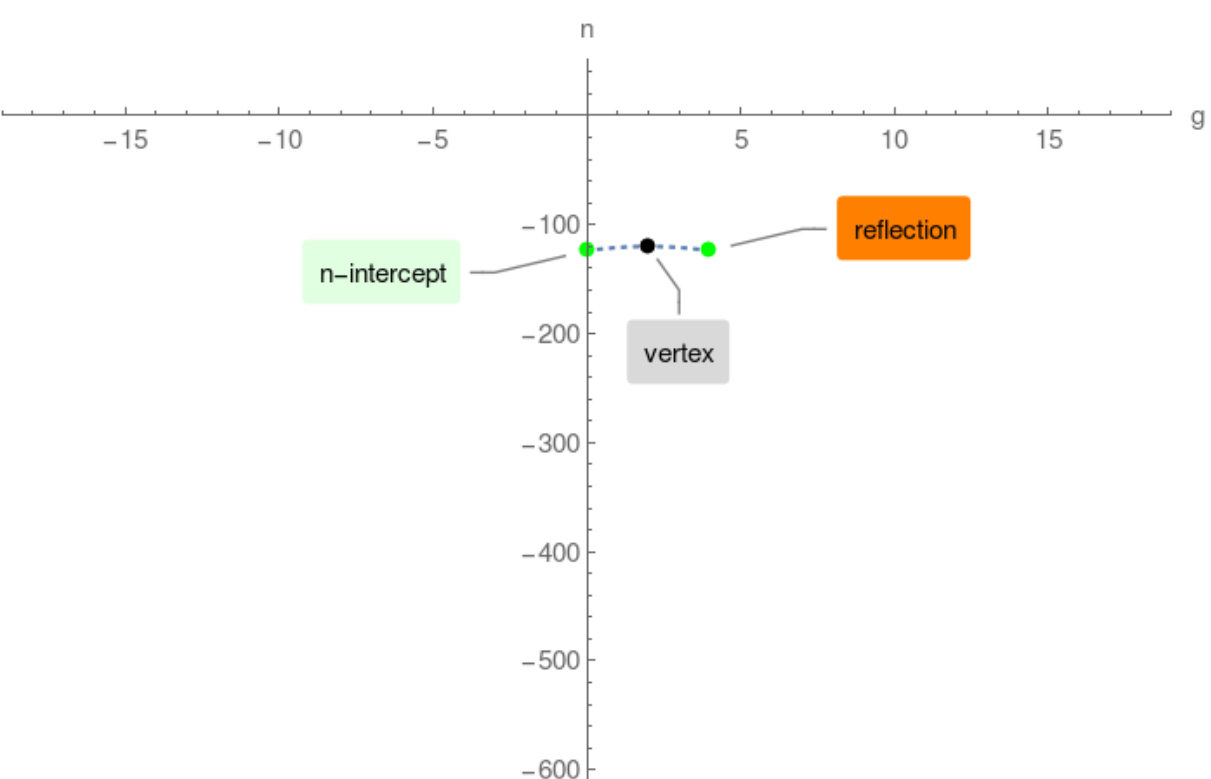
Compute n-intercept reflected against vertex,

reflection = $(4, -124)$



Step 4.

connect the above computed points:



Step 5.

Extend the parabola beyond the range of intercepts

