Plotting the Parabola How to plot: $t(n) = a n^2 + b n + c$

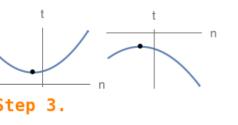
Step 1.

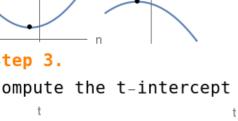
Examine the sign for the leading coefficent

If a
$$>$$
 0 then the valley shape:

If a < 0 then the hill shape:

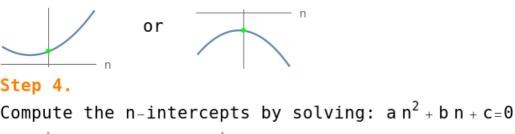
Step 2. Compute the vertex:
$$(-\frac{b}{2a}, t(-\frac{b}{2a}))$$

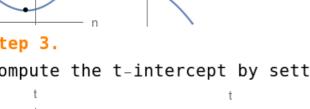




Step 3. or

Step 4.





Compute the t-intercept by setting n=0, 0^2 a+0 b+c=c

