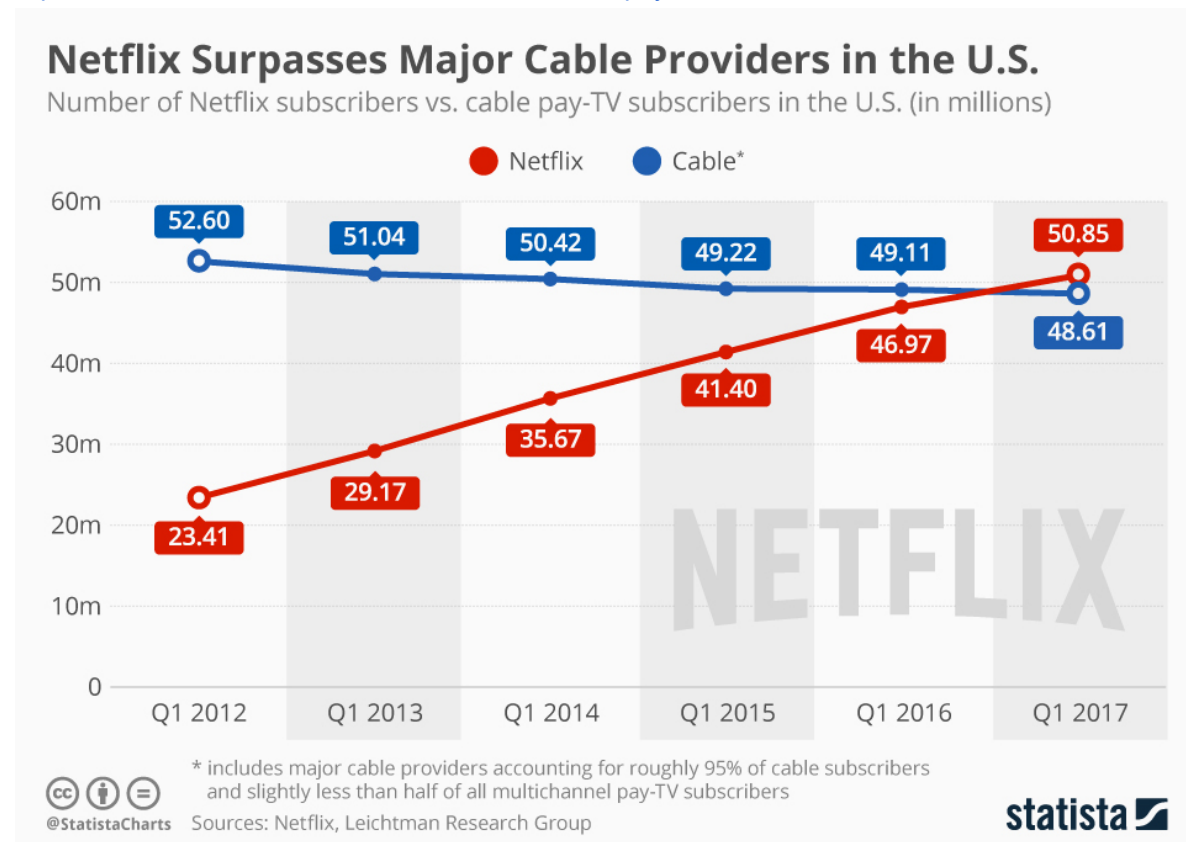


## Equation of a Line: Netflix and Cable

The following graph appeared on the *Statista.com* website on Jun 13, 2017, and can be accessed at <https://www.statista.com/chart/9799/netflix-vs-cable-pay-tv-subscribers/>.



The graphs that appear on this chart appear to be roughly linear. Let  $t$  be the number of years since 2012. Use the years 2013 and 2016 to find the equation of each line for the number of Netflix subscribers  $N(t)$  and Cable subscribers  $C(t)$ .

Predict the number of Netflix and cable subscribers in Q1 of 2020.

Is this an extrapolation or an interpolation?

How many more Netflix subscribers than cable subscribers are predicted in 2020?