# HW1_3a

September 2, 2021

$u = \frac{kt}{q} \log(\frac{n_2}{n_1})$

Plug in values:

$E_{ca} = \frac{1.45x10^{-23}(293)}{2(1.6x10^{-}19)} \log(\frac{1.2}{10^{-3}}) \approx 89.50$