Assignment 6.2

$$n = Nc \exp \left[-\frac{Ec - Efn}{cT} \right] = Nd$$

=>
$$E_c - E_{Fn} = -kT(n(\frac{Nd}{Nc}) = -(8.62 \times 10^{-5})(300) ln(\frac{10^{16}}{2.8 \times 10^{19}}) = 0.21 eV$$



