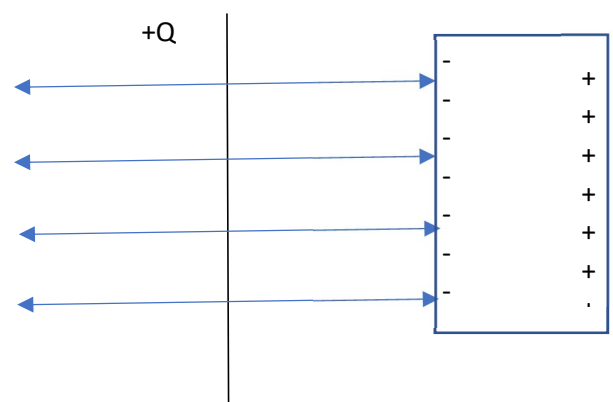
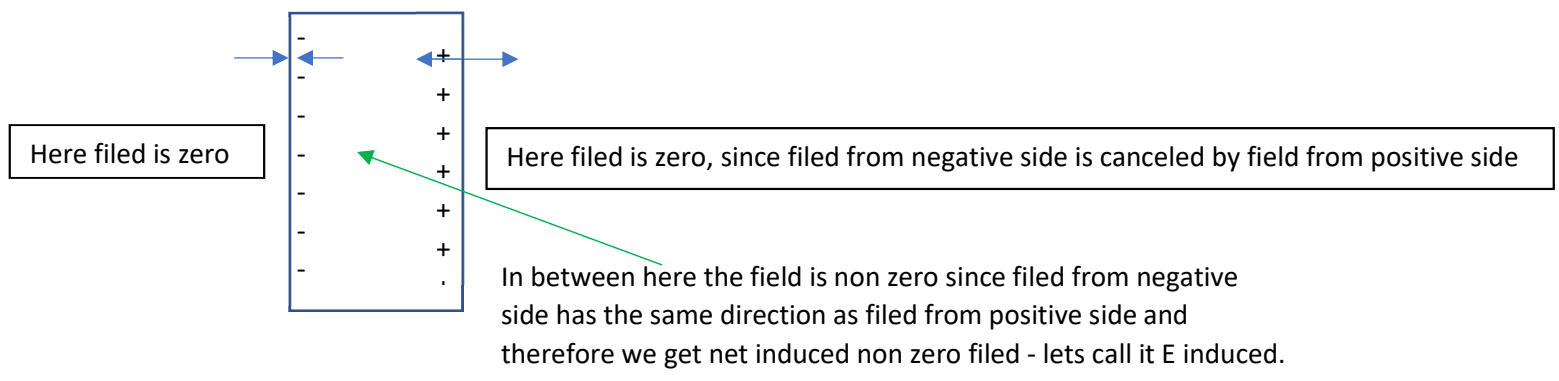


This plate has a positive charge + Q producing electric field E shown on picture

Now if I bring a neutral conductor plate near the charged plate / in the electric field, the external electric field will redistribute charges as shown on the picture below:



In general if we take a conductor plate that has two surfaces / sides and opposite charges are located on opposite sides we get something like system of two parallel plates with opposite charges - where the net electric field between the plates is non zero and net electric field outside plates is zero:



So when I have a conductor in the vicinity of charged plate with charge $+Q$ - the external field E produced by this charged plate cancels the induced field (E_{induced}).

And as a result with all above said we don't have field in area C (to the right from the conductor), we don't have field in area B (inside the conductor) and we have initial field in area A (to the left from the conductor) ?

