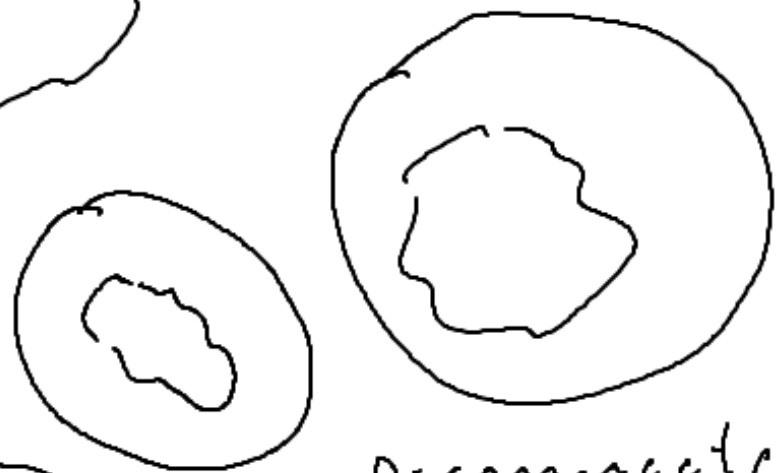


U open :  $\forall x \in U$

A closed  $x \in A$

dis
w/ connected

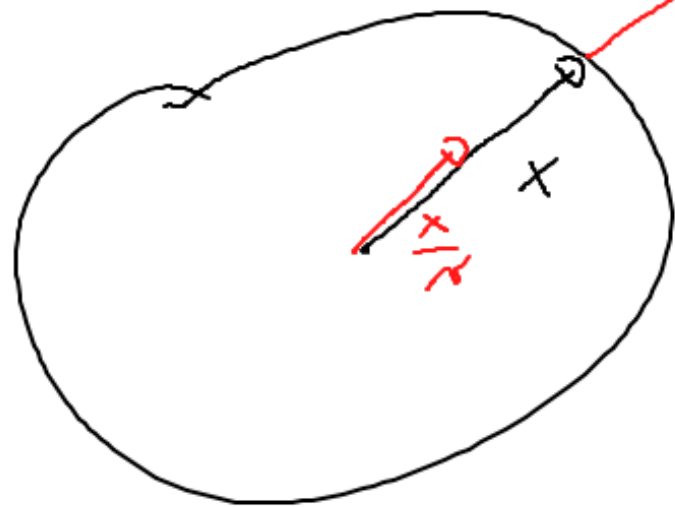


w path connected
y path



p-connected
 \Rightarrow connected

$$\int \langle \nabla u(x), \underbrace{\frac{x}{|x|}}_{N(x)} \rangle dS_{\partial \Omega} = \int \langle \nabla u, N \rangle dS_{\partial \Omega}$$



$$= \int_{\Omega} \underbrace{\Delta u}_{=0} dx$$