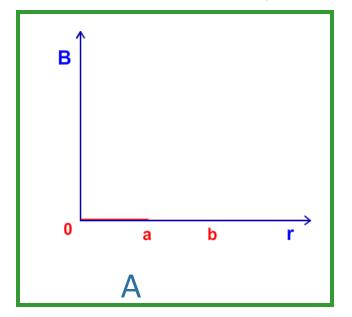
## Example Problem

What does |B| look like for r < a?

$$\oint \vec{B} \bullet d\vec{\ell} = \mu_o X_{nc}$$



so 
$$\vec{B} = 0$$

