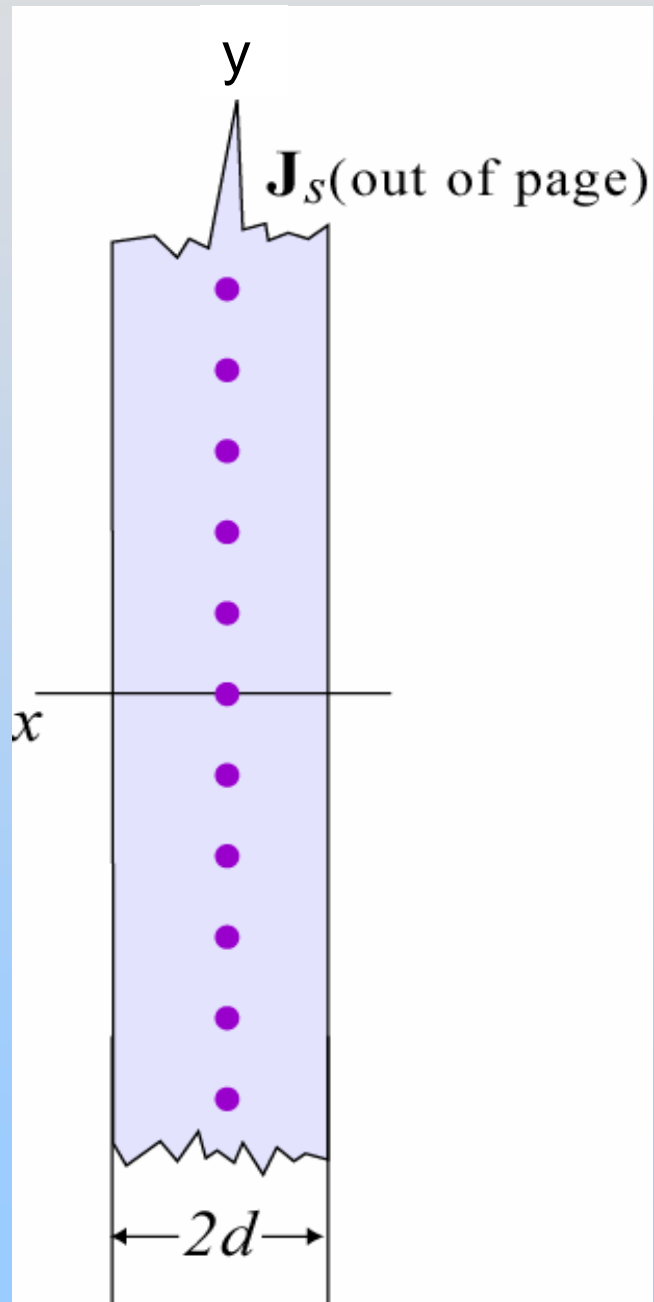


# Group Problem: Current Sheet



A sheet of current (infinite in the  $y$  &  $z$  directions, of thickness  $2d$  in the  $x$  direction) carries a uniform current density:

$$\vec{\mathbf{J}}_s = J\hat{\mathbf{k}}$$

Find  $B$  for  $x > 0$