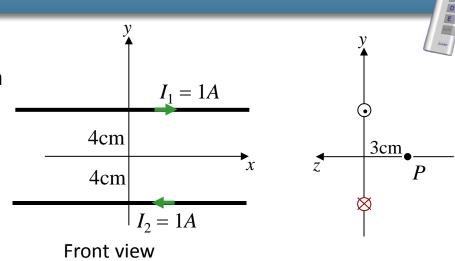
## Calculation

Two parallel horizontal wires are located in the vertical (x,y) plane as shown. Each wire carries a current of I=1A flowing in the directions shown.



What is the *B* field at point *P*?

$$B_{top} = 4 \times 10^{-6} T$$

What is the magnitude of *B* at *P*?  $(\mu_0 = 4\pi \times 10^{-7} T - m/A)$ 

