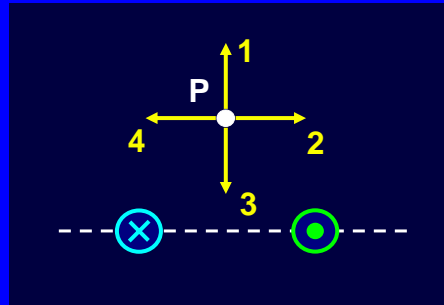




ConcepTest 28.1a Magnetic Field of a Wire I

If the currents in these wires have the same magnitude but opposite directions, what is the direction of the magnetic field at point P?

- 1) direction 1
- 2) direction 2
- 3) direction 3
- 4) direction 4
- 5) the B field is zero



ConcepTest 28.2a Field and Force I

A positive charge moves parallel to a wire. If a current is suddenly turned on, in which direction will the force act?

- 1) $+z$ (out of page)
- 2) $-z$ (into page)
- 3) $+x$
- 4) $-x$
- 5) $-y$

