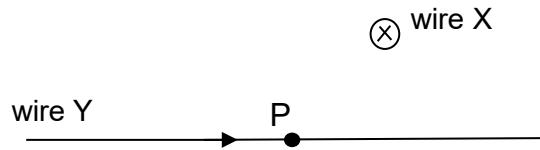


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Two long straight current carrying wires, X and Y are placed perpendicular to each other as shown in the diagram.



Current flows into the page in wire X and from left to right in wire Y.

What is the direction of the force acting on wire Y at point P due to the magnetic field produced by wire X?

A

into the page

B

out of the page

C

towards wire X

D

away from wire X