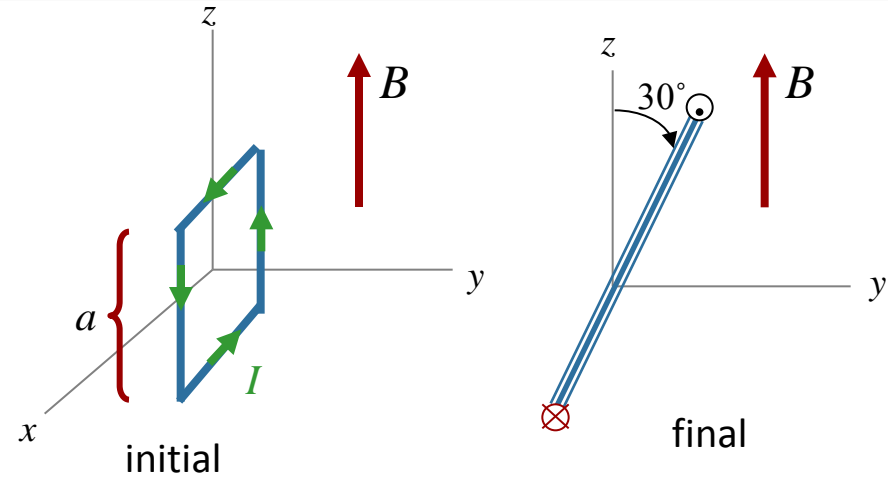


Calculation

A square loop of side a lies in the $x-z$ plane with current I as shown. The loop can rotate about x axis without friction. A uniform field B points along the $+z$ axis. Assume a , I , and B are known.



What is the direction of the magnetic moment of this current loop in its initial position?

A) $+x$

B) $-x$

C) $+y$

D) $-y$

