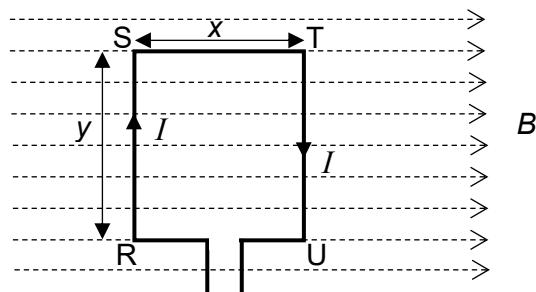


- 24** A rectangular wire loop RSTU with sides of length x and y carries a current I . A magnetic field of flux density B lies in the plane of the coil as shown.



Which statement is correct?

- A** The force on side ST is BIx .
- B** The moment on the loop is $BIxy$.
- C** There is a net force perpendicular to the magnetic field.
- D** There is no force acting on the wire loop.