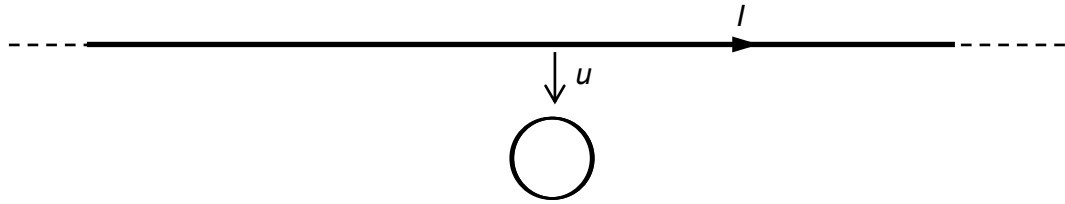


- 24** A long straight wire is in the plane of a flat coil. The straight wire carries a constant current  $I$  as shown and is moved at a constant speed  $u$  towards the flat coil.



Which statement describing the current in the flat coil is true?

- A** The current is increasing.
- B** The current is decreasing.
- C** The current is always constant.
- D** The current always changes direction.