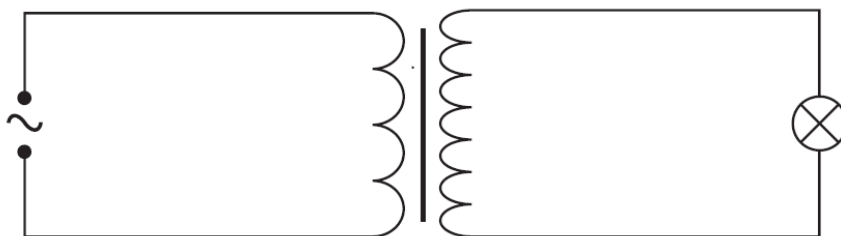


- 26 The primary coil of a step-up ideal transformer is connected to a source of alternating p.d. The secondary coil is connected to a lamp.



Which row correctly describes the ratios of flux linkages and currents through the secondary coil in relation to the primary coil?

| | $\frac{\text{secondary magnetic flux linkage}}{\text{primary magnetic flux linkage}}$ | $\frac{\text{secondary current}}{\text{primary current}}$ |
|----------|---|---|
| A | <1 | <1 |
| B | >1 | <1 |
| C | >1 | >1 |
| D | <1 | >1 |