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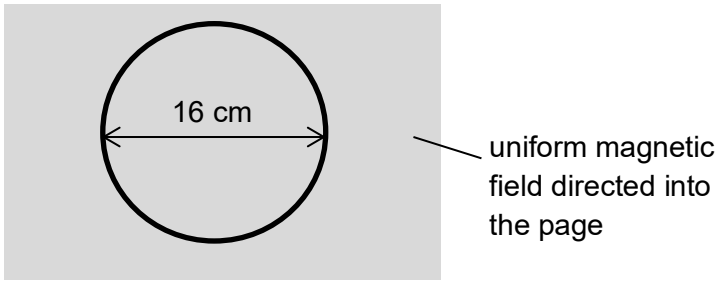
A circular ring of diameter 16 cm and resistance 4.0 Ω is placed in a uniform magnetic field of flux density 5.0 T directed perpendicularly into the ring.



If the magnetic flux density is reduced to zero at a constant rate over 10 ms, what can be deduced about the current flowing in the ring during this change?

	magnitude of current / A	direction of current
A	2.5	clockwise
B	2.5	anti-clockwise
C	10	clockwise
D	10	

anti-clockwise