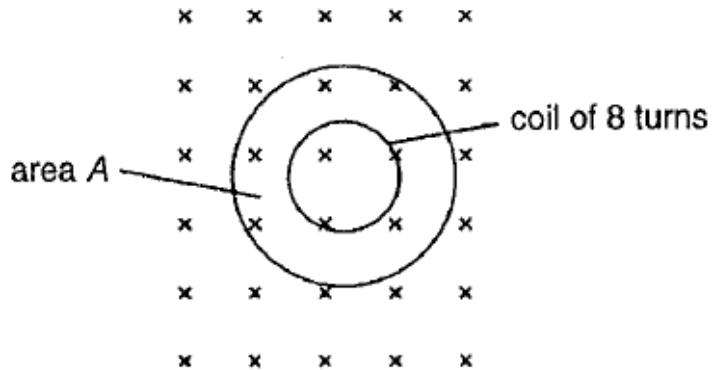


- 23** A uniform magnetic field of flux density B passes normally through a plane area A . In this plane lies a coil of eight turns of wire, each of area $\frac{1}{4} A$.



What is the magnetic flux linkage for the coil in terms of B and A ?

A $\frac{1}{4} BA$

B $2BA$

C $4BA$

D $8BA$