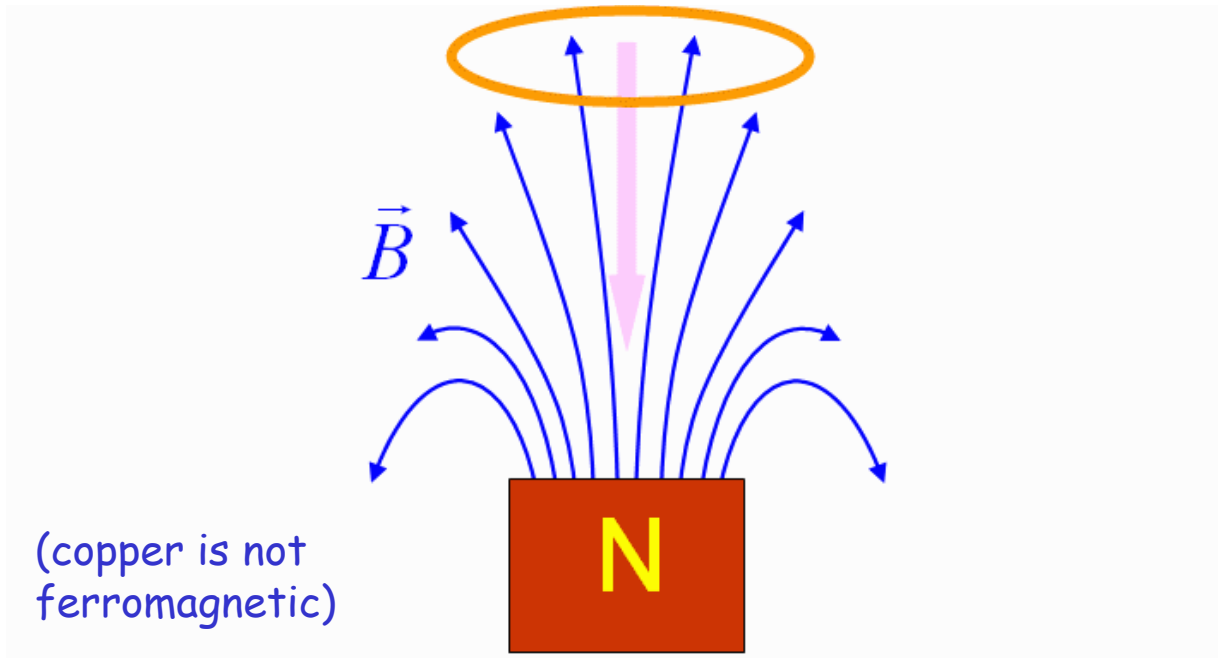


Cool Example

A horizontal copper ring is dropped from rest directly above the north pole of a permanent magnet



As the ring falls, in which direction will the induced field point?

A. up

B. down

C. No induced field

Choose direction for positive flux to be in same direction as external field (easiest), then

Increase in flux from external field is opposed by induced flux with opposite sign