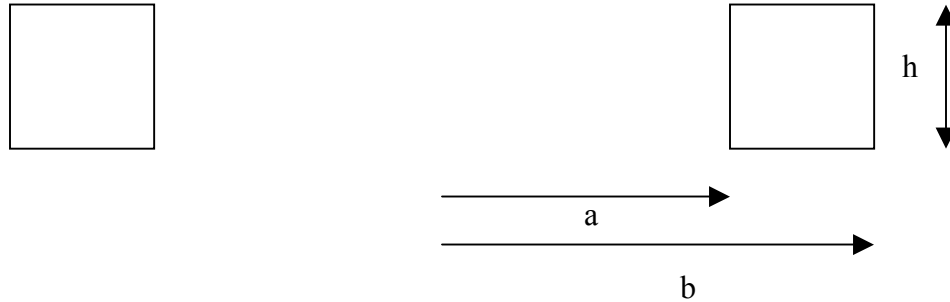


Preparation Assignments



A cut across a toroid is shown above. The cross-section is square with sides of length h . The toroid is wire wrapped with N total windings carrying current I_0 .

Due Wednesday, November 6

For the above toroid, determine the self-inductance

Due Thursday, November 7

For the above toroid, determine the stored energy using the magnetic field. Using stored energy, determine the self-inductance and compare it to Wednesday's prep assignment.