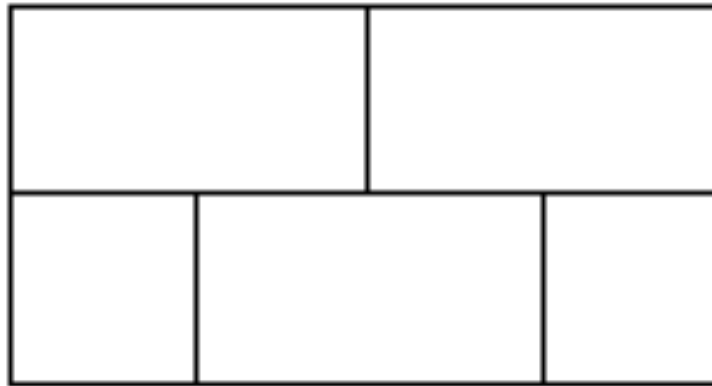# MATH 113: DISCRETE STRUCTURES
FRIDAY WEEK 7 HANDOUT

Consider the following floor plan for a building:

We would like to know if it is possible to cross each wall in the building exactly once (with a continuous curve).

(a) Turn this into a graph theory problem about a particular kind of walk.
(b) Either find such a path through the walls, or prove that no such path exists.