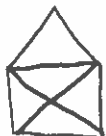# HW: State Spaces/Uninformed Search

Can you draw using 8 lines and never raising your pencil off the page?

(a) Create a weighted state machine that can be used to answer this question.

(b) What would be the best search strategy to use for the state machine from part (a): DFS, BFS, or UCS? Justify your answer.