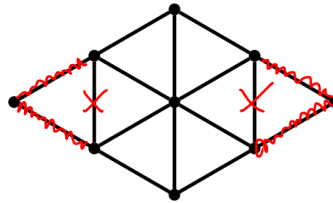


Exam #3 review answers!

Answers!

6.



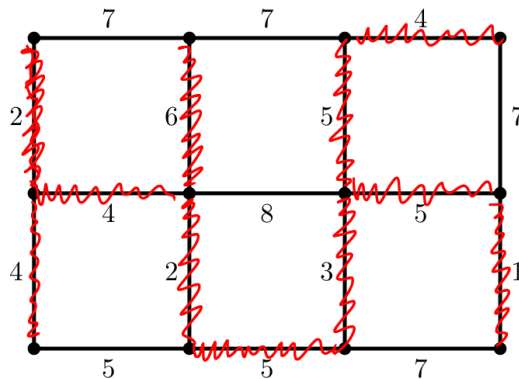
7. (a) ABCDA, (b) BCDAB, (c) ACBDA

8. (a) ADBCEA (all NNs give equal-weight results for this one), (b) ADBCEA

10. For sorted edges, my first 3 choices would be the edge labeled with a 1, followed by both 2s.

For nearest neighbor starting in the lower-left corner, I would first pick the lower-left 4, then the 2 on the left side, then the 4 at the middle left.

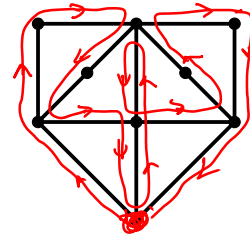
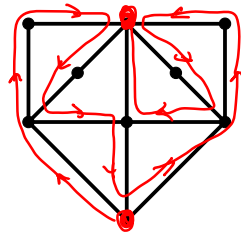
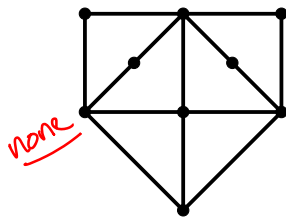
11. Both methods give this answer:



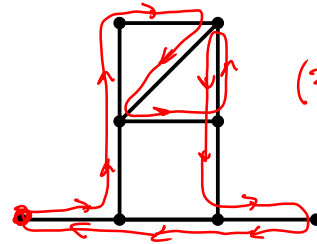
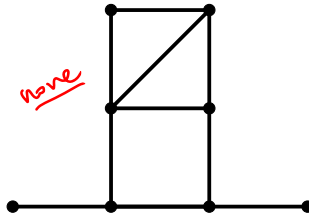
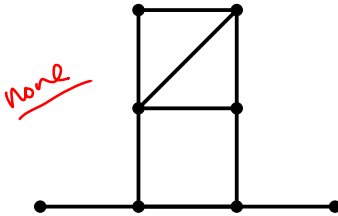
Euler circ.

Euler path

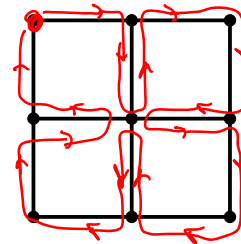
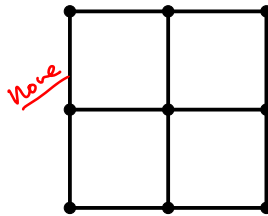
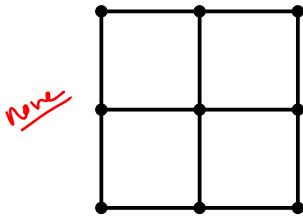
Min. dup. circ.



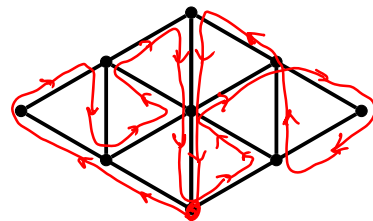
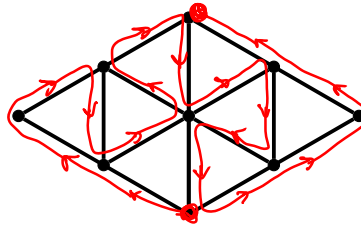
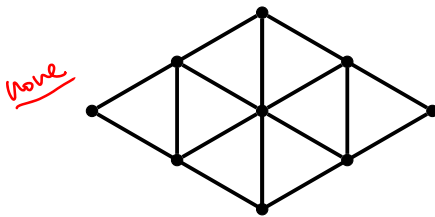
(2 dupes)



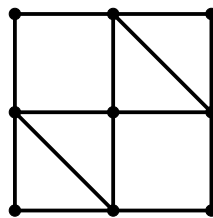
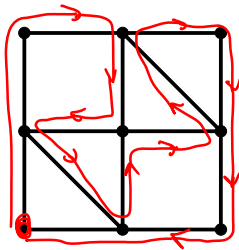
(3 dupes)



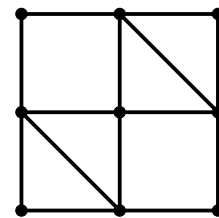
(4 dupes)



2 dupes



none



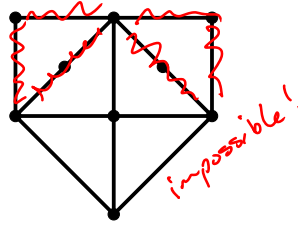
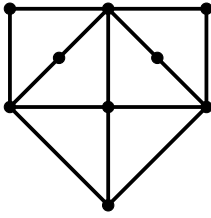
no need - we
have an E. circ.
already.

Min. dup. path

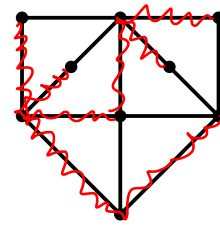
Ham. circ.

Spanning tree

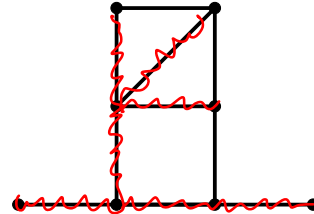
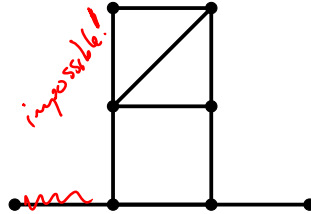
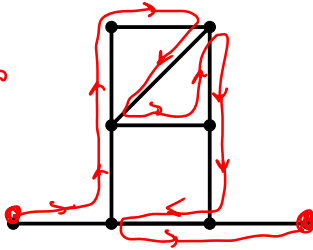
no need



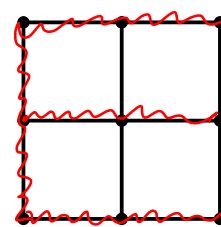
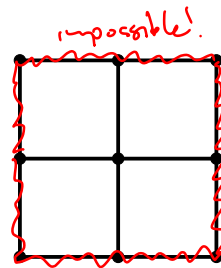
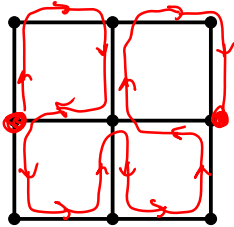
many possible answers for these



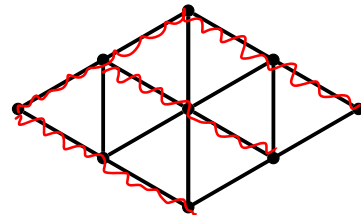
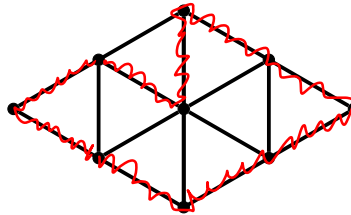
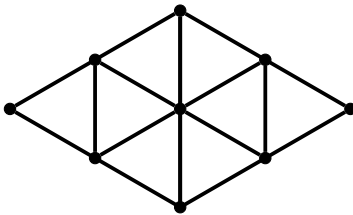
2 dupes



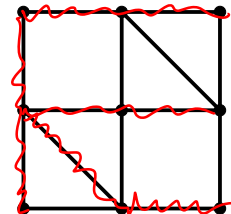
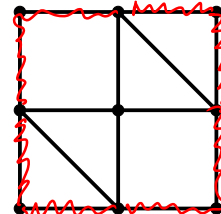
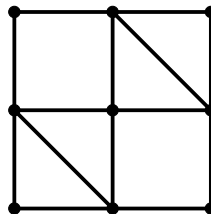
2 dupes



no need



no need



impossible!