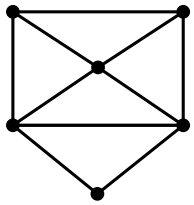
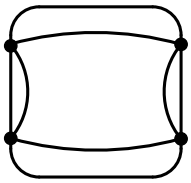
Tourism

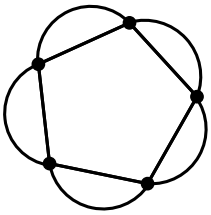
If you can copy a network
- without lifting your pen off the paper
- without drawing any line twice

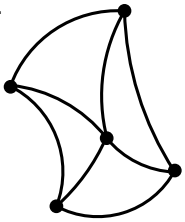
then it is traversable.

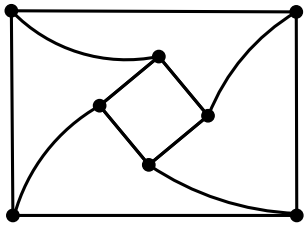
Decide which of these diagrams are traversable.

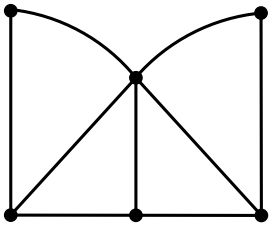
1. 

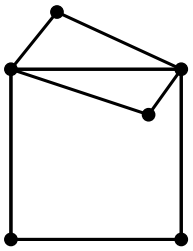
2. 

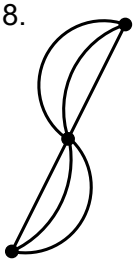
3. 

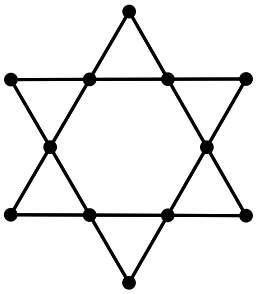
4. 

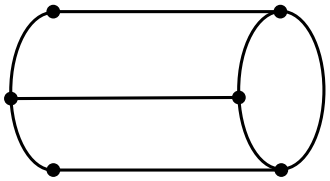
5. 

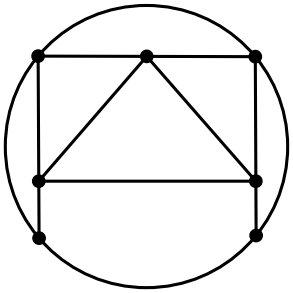
6. 

7. 

8. 

9. 

10. 

11. 

If you end up where you started when you draw a traversable diagram it is called a traversing circuit.
If you don't end up where you started when you draw a traversable diagram it is called a traversing path.

Can you give a set of criteria for determining whether a diagram is traversable by a path or a circuit or neither?

A related problem?

If you make a chain with all 28 dominoes so that adjacent ends of dominoes match, and it has 5 spots at one end, how many spots will it have at the other end? And if it has a different number of spots at one end?

Can you explain your results?