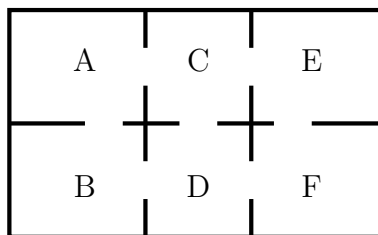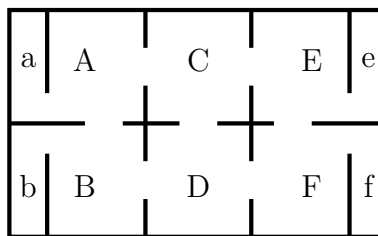1. **Puzzle:** There are 5 people: Alex, Bart, Chad, Dave, Evan. Some are friends, some are not. Alex has the most friends. Bart and Chad are friends. Dave and Evan are friends. Every pair of friends has exactly one other friend in common. Can you draw a picture of who is friends with whom?
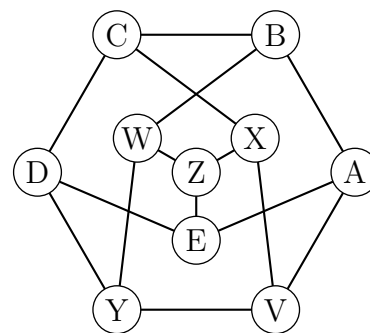

2. Describe how to go through all the doors exactly once.

3. Describe how to go through all the doors exactly once.

4. You can pass Mr. Blik only to people you haven't passed him to before. If there are 4 people, what is the maximum number of passes? Draw a picture of this passing pattern.

5. You can pass Mr. Blik only to people you haven't passed him to before. If there are 5 people, what is the maximum number of passes? Draw a picture of this passing pattern.

6. Can you trace this graph (going over an edge only once)?

7. Draw a graph that can be traced.

8. Draw a graph that even my 3 year old nephew knows cannot be traced.