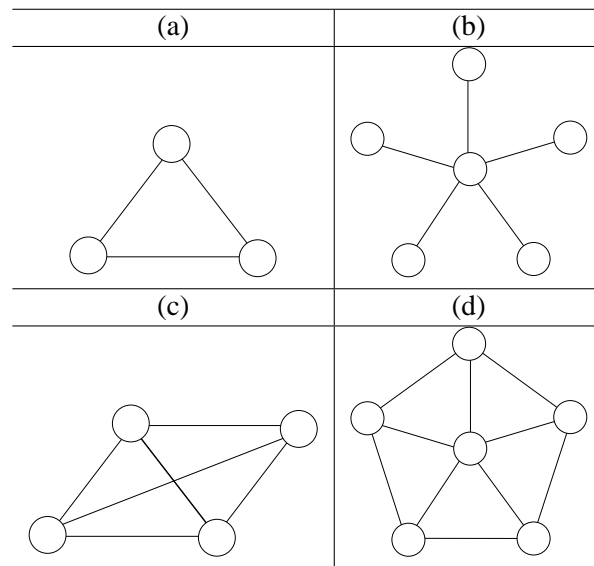---

Topics: a zero-knowledge protocol (really, this time I swear); course review in preparation for the last lecture.

Reminders:

- Please do try to at least skim the Turing and Searle readings for Friday's lecture; they aren't hard to read.

- Once again: the final exam is Friday May 18, 2-4:30, Phillips 219.

I. Some example graphs The circles are called "nodes"; the lines between them, "edges".

II. "Zero knowledge" protocol for 3-colorability

You declare your three colors (e.g., red, green, blue).
($\star$) Off-stage, randomly permute your coloring (e.g., red $\leftrightarrow$ green, blue stays the same).
Present color-hidden graph.
Suspicious entity chooses an edge.
You reveal the edge's two endpoints (they ought to be different colors, and from your declared set).