Quiz 2: Constraint Graphs

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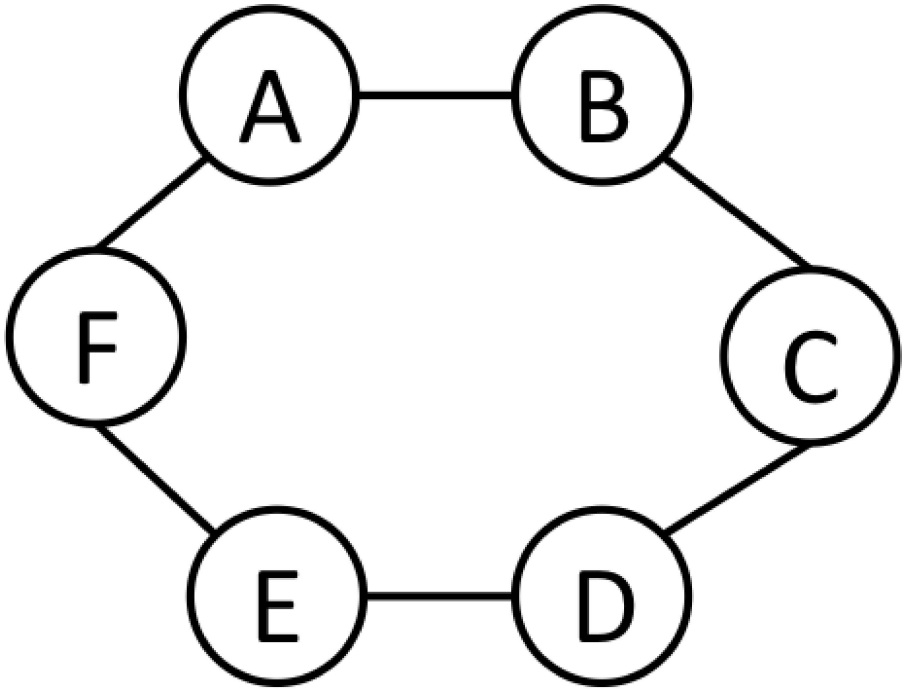
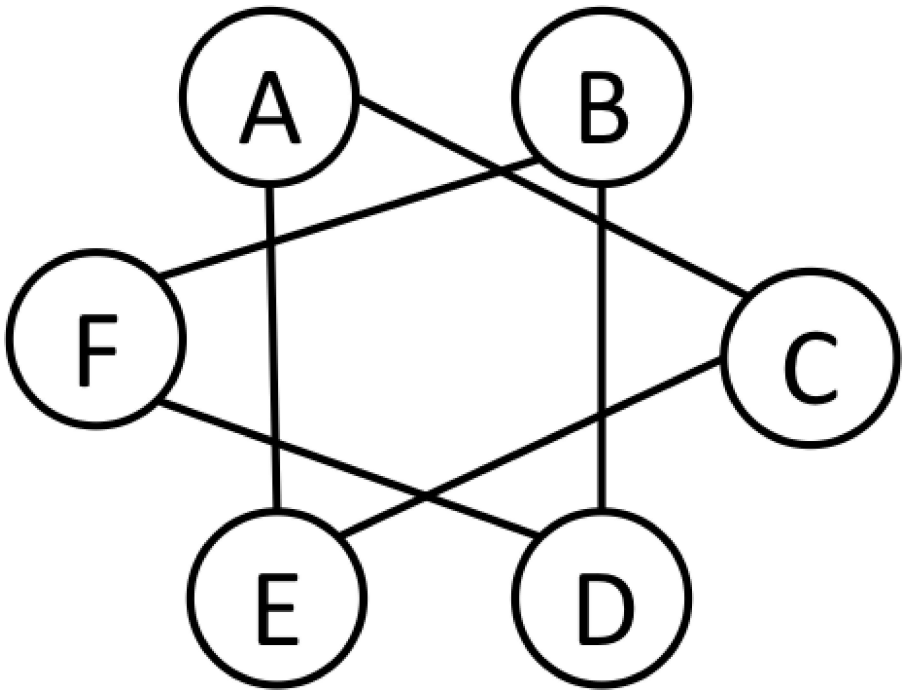
1/1 point (ungraded)

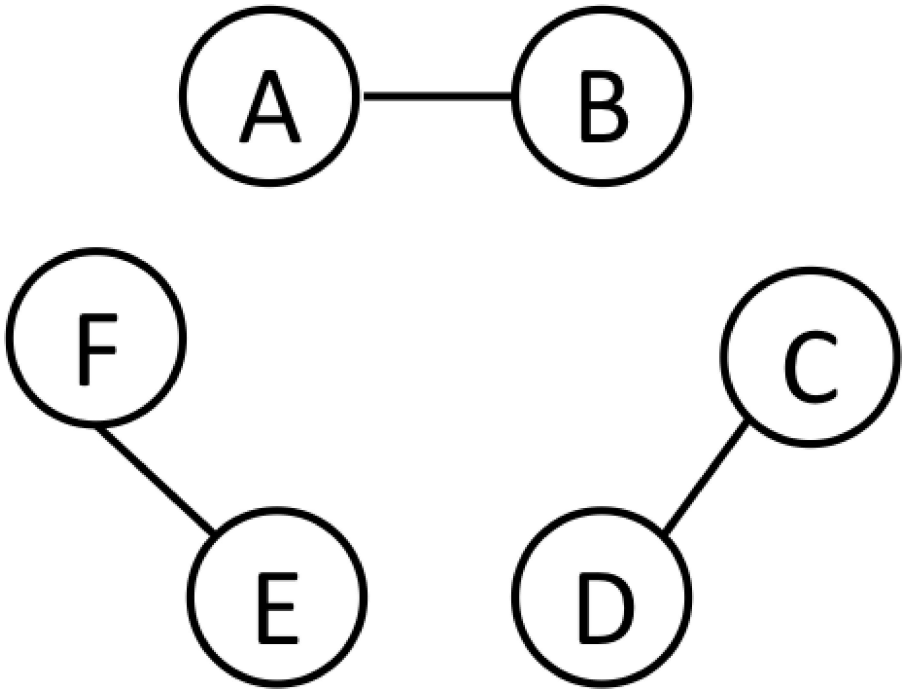
Consider again the problem of arranging the schedule for an event, where now there are 6 presenters: A, B, C, D, E, and F. The events for A and B are held at time 1, those for C and D at time 2, and those for E and F at time 3. We have to assign a room for each event. There are two rooms available: the first room is in Soda Hall and the second room is in Cory Hall. We will have as variables for the CSP $A, B, C, D, E,$ and F, each with domain {Soda, Cory}. The speakers, however have specific constraints about who they can be in the same room with:

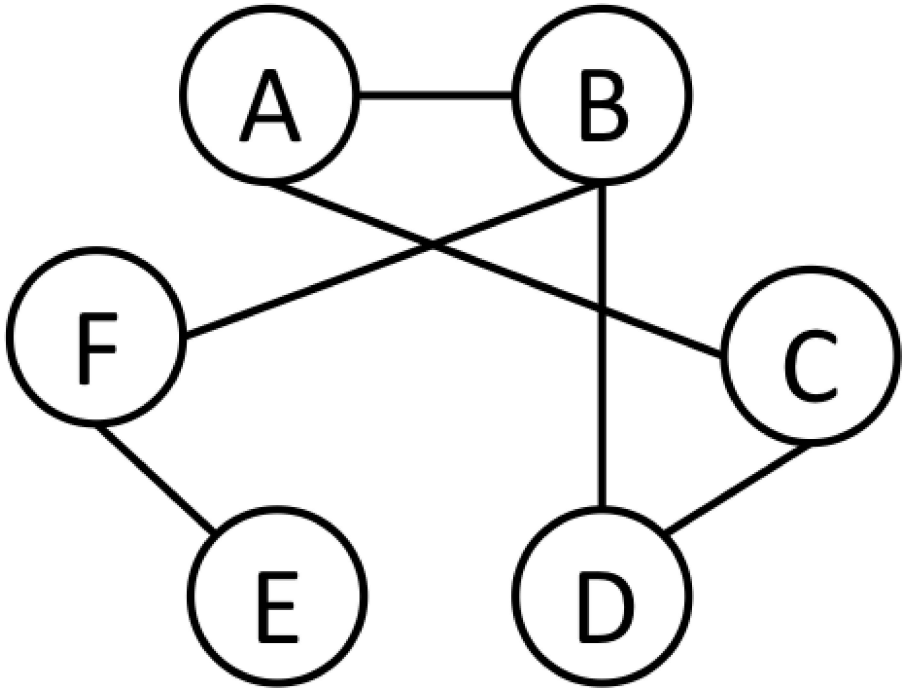
1. Simultaneous presenters cannot be assigned to the same room (these are A and B, C and D, E and F).
2. A and C cannot be assigned to the same room
3. B and F cannot be assigned to the same room
4. B and D cannot be assigned to the same room

What does the constraint graph look like for this problem?


A
B
F
C
E
D


A
B
F
C
E
D





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✔ Correct (1/1 point)