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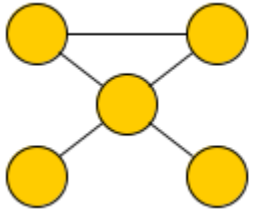
# **8.1. Graph Pattern and Graph Pattern Mining**

**In-Lecture Question**

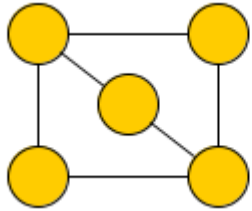
# Question

Given the four graphs below and min\_sup for frequent graph patterns is 3:

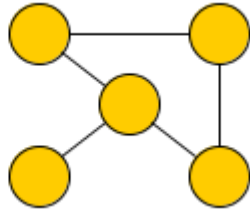
1.



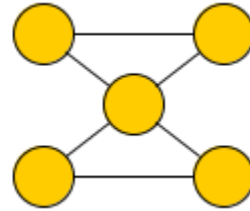
2.



3.

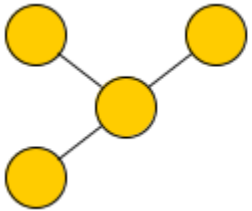


4.

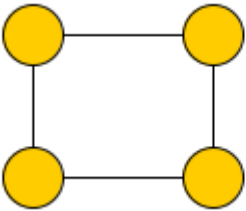


Which one of the following is frequent?

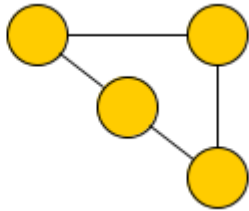
A.



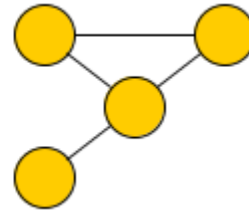
B.



C.



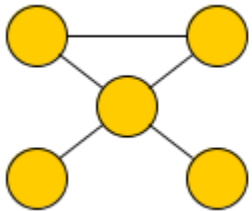
D.



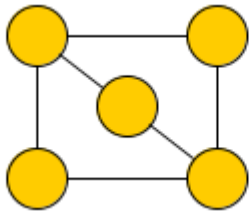
# Question

Given the four graphs below and min\_sup for frequent graph patterns is 3.

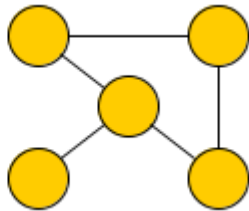
1.



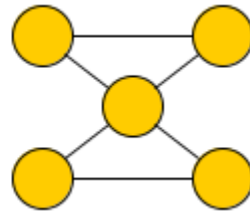
2.



3.

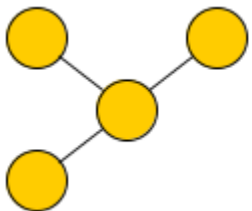


4.

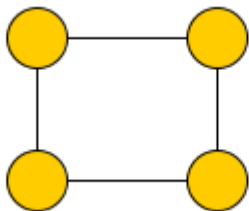


Which one of the following is frequent?

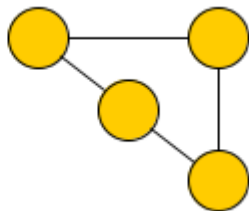
A.



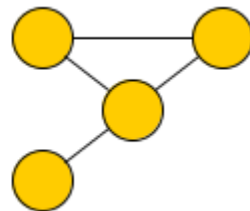
B.



C.



D.



☐ **Answer: A**

☐ **Explanation:** A occurs in Graphs 1, 2, 3, and 4. B occurs in Graphs 2 and 3. C occurs in Graphs 2 and 3. D occurs in Graphs 1 and 4.