



Module 9 : Graphs and Trees III| (?q=onlinecourse/course/43603)

Graph Exercise Part III

- **วิชชาภัทร จินดาภัก** previously submitted answers to this quiz/test on 31-Oct-2023 @ 09:46:22 and obtained **14** correct answers out of **14**.
- This test/quiz can be taken many times.
- Correct answers will NOT be revealed after submission.

undefined

1 Find the maximum integer n such that K_n is a planar graph

3

4

5

6

From previous attempt

2 Find the maximum $m+n$ such that m, n are integer and $K_{m,n}$ is a planar graph

10

20

5

 $m+n$ is unbounded

From previous attempt

3 If a simple graph G has 2 connected components find the formula of r, e, v

 $r = e - v + 1$

From previous attempt

$$r = e - v + 2$$

$$r = e - v + 3$$

$$r = e - v + 4$$

4 Which one of the following Graph is a planar graph

Q7

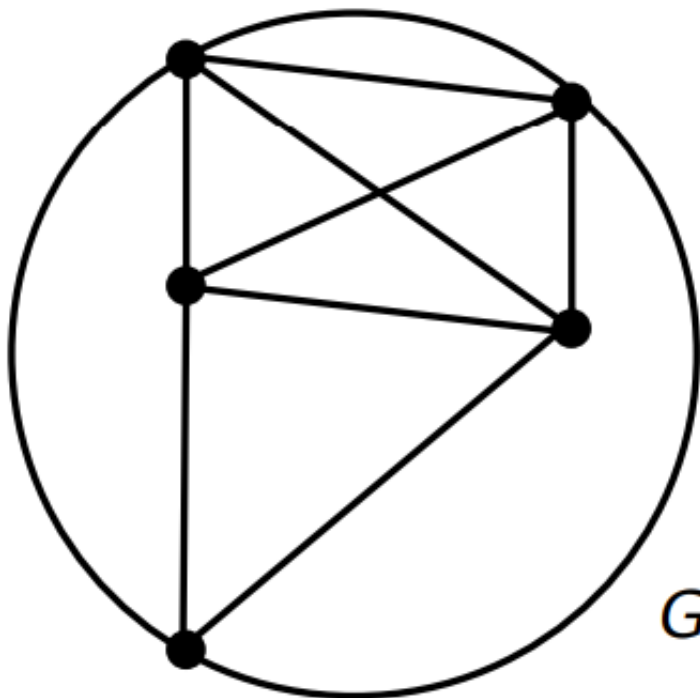
K5

K3,3

C100

From previous attempt

5



From previous attempt

Is Graph G a planar graph ?

Yes

No

6 Which one has the maximum chromatic number ?

Q2023

C2023

W2023

K2023,2023

From previous attempt

7 Can we remove any 1 edges from K_6 to turn it into a planar graph ?

Yes

No

From previous attempt

8 For any simple connected graph G which has a vertex of degree less than 6 then G is planar

True

False

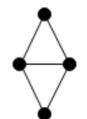
From previous attempt

9 Which one has the different chromatic number from another ?

A.



B.



C.



D.

From previous attempt



A

B

C

D

10 *Is there any Graph G which is a tree and contain a circuit ?*

Yes

No

From previous attempt

11 *How many leaves are there in the full 4 – ary with 17 vertices ?*

13

12

14

10

From previous attempt

12 *What is the highest height of a full 4 – ary tree with 13 vertices ?*

2

4

3

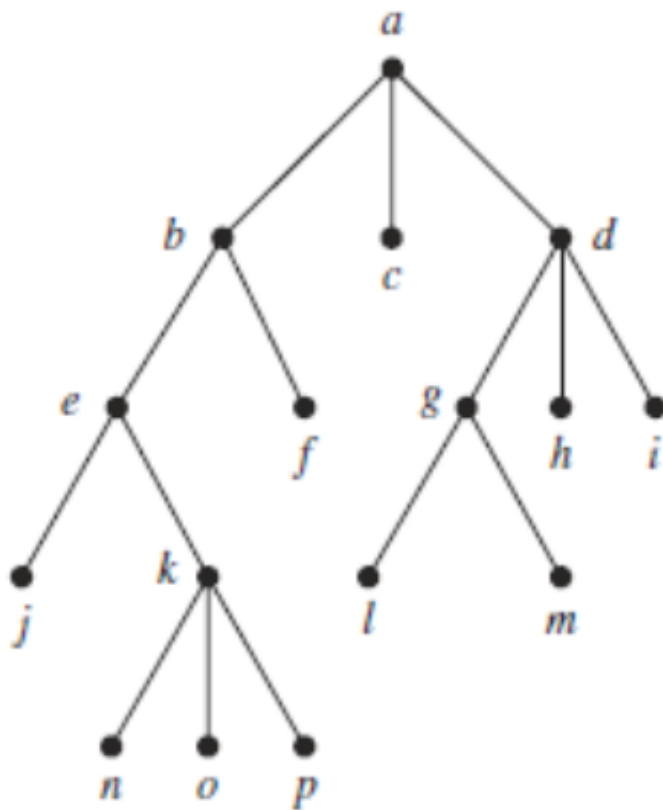
5

From previous attempt

13 *Find this tree's inorder tranversal sequence*

empt

From previous attempt...



j,e,n,k,o,p,b,f,a,c,i,g,m,d,h,i

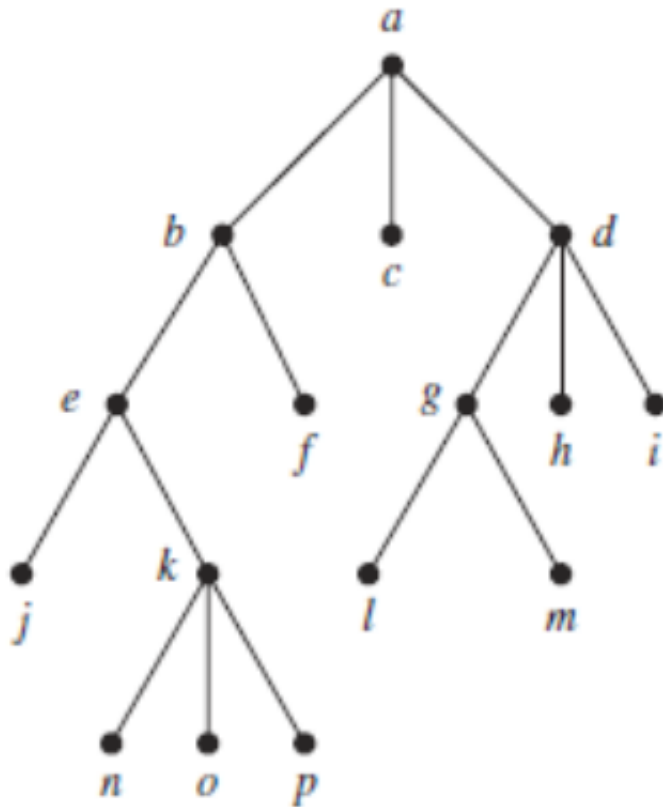
a,b,e,j,k,n,o,p,f,c,d,g,l,m,h,i

j,n,o,p,k,e,f,b,c,l,m,g,h,i,d,a

a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p

14 Find this tree's preorder traversal sequence

From previous attempt



j,e,n,k,o,p,b,f,a,c,i,g,m,d,h,i

a,b,e,j,k,n,o,p,f,c,d,g,l,m,h,i

j,n,o,p,k,e,f,b,c,l,m,g,h,i,d,a

a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p

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◀ Previous (?)

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