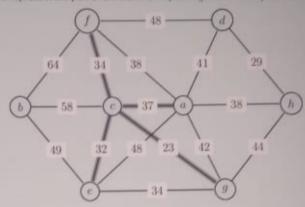
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Answer saved Marked out of 1.00

The boilded edges of the graph below represent the part of the Minimum Spanning Tree found by the PRIM algorithm:



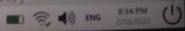
The next edge of the Minimum Spanning Tree found by the PRIM algorithm is the edge ah Note: you only enter the two endpoints of the edge, for example, the undirected edge a -ba-b is simply written as ab or ba.

Mudim vo.8 OTát VNI O Telex O Vique Tổng hợp O Tư động Chính tá Bó dấu kiểu mới [Bật/Tất (F9) Ân/Hiện băng điều khiến (F8)]







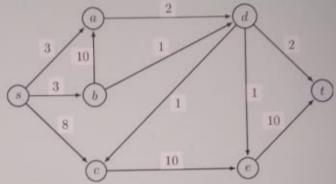


- Discrete Mathematics

Hanh Trang



Answer-saved Marked out of Consider the network with the capacity of each arc as below:



The value of maximum flow in the network is: (Note: enter an appropriate number in the answer box, for example: 100)

Answer: 36

Previous page







Time left 0:08:22





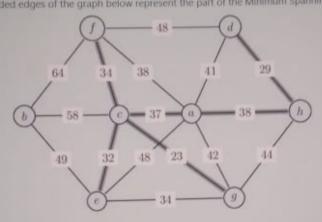
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Marked out of 1.00 The bolded edges of the graph below represent the part of the Minimum Spanning Tree found by the Kruskal algorithm:

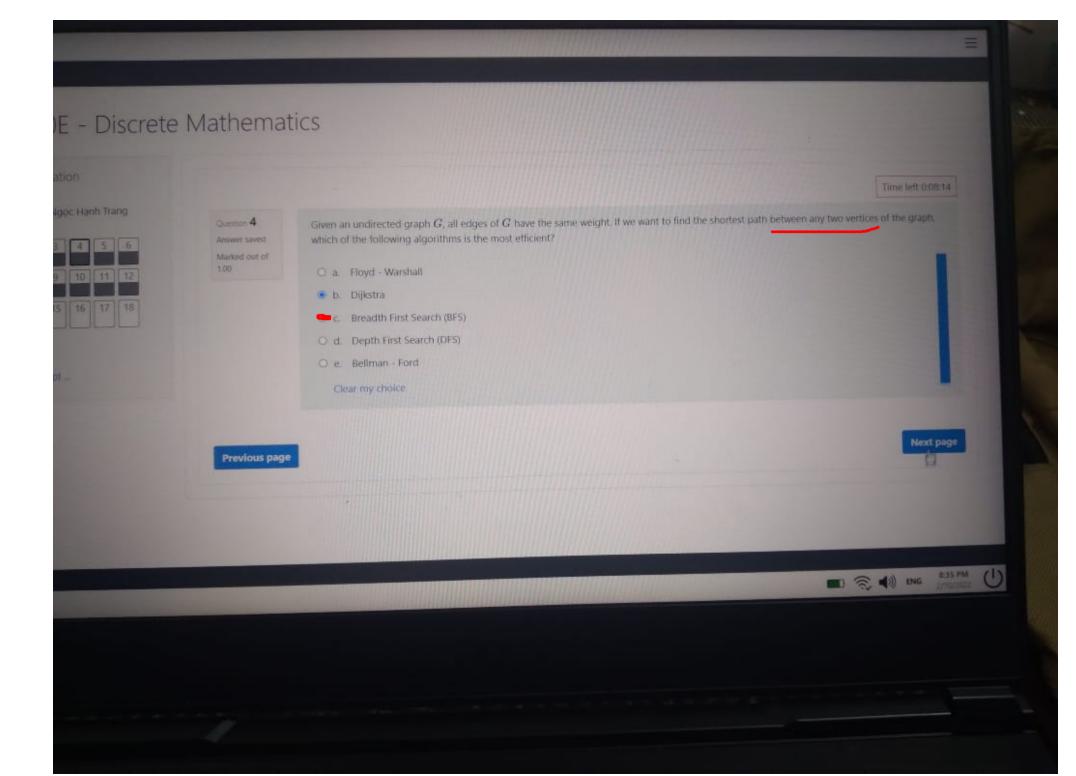


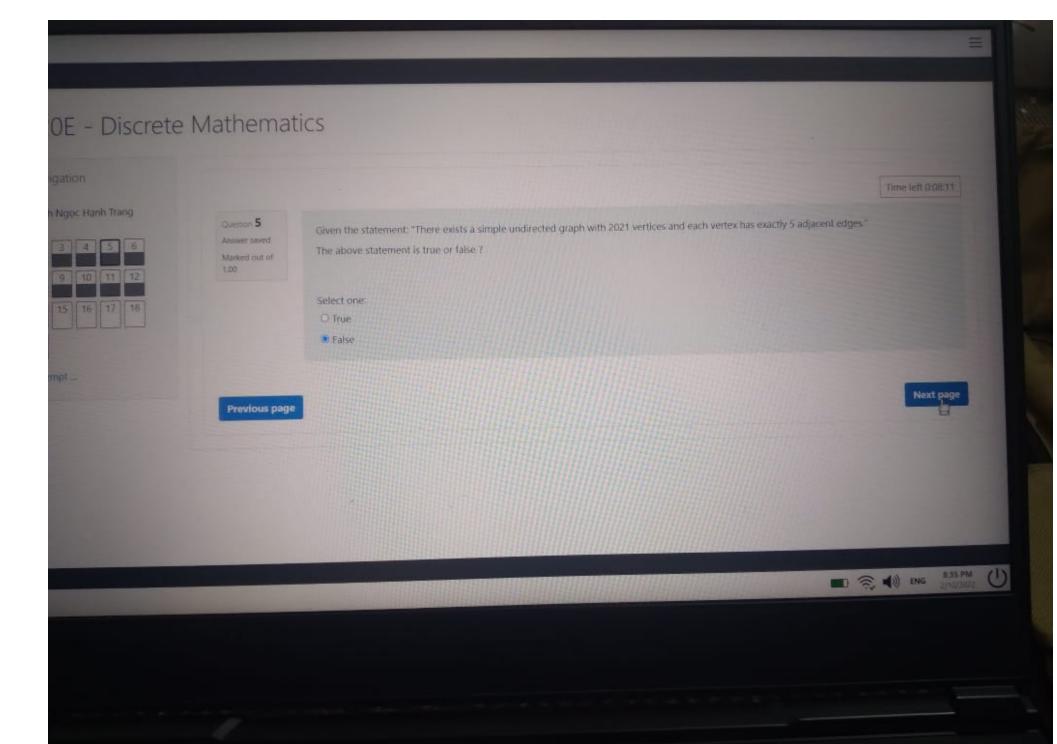
The next edge of the Minimum Spanning Tree found by the Kruskal algorithm is the edge a - b is simply written as ab or ba. Note: you only enter the two endpoints of the edge, for example, the undirected edge a - b is simply written as ab or ba.

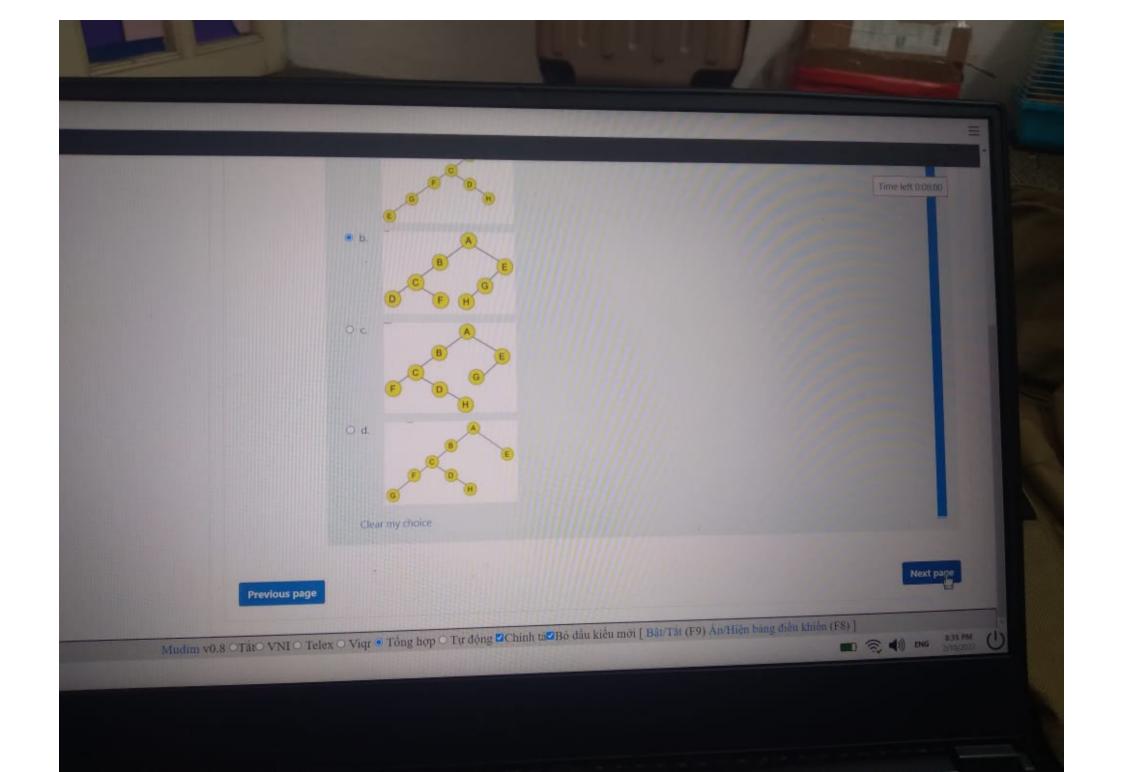
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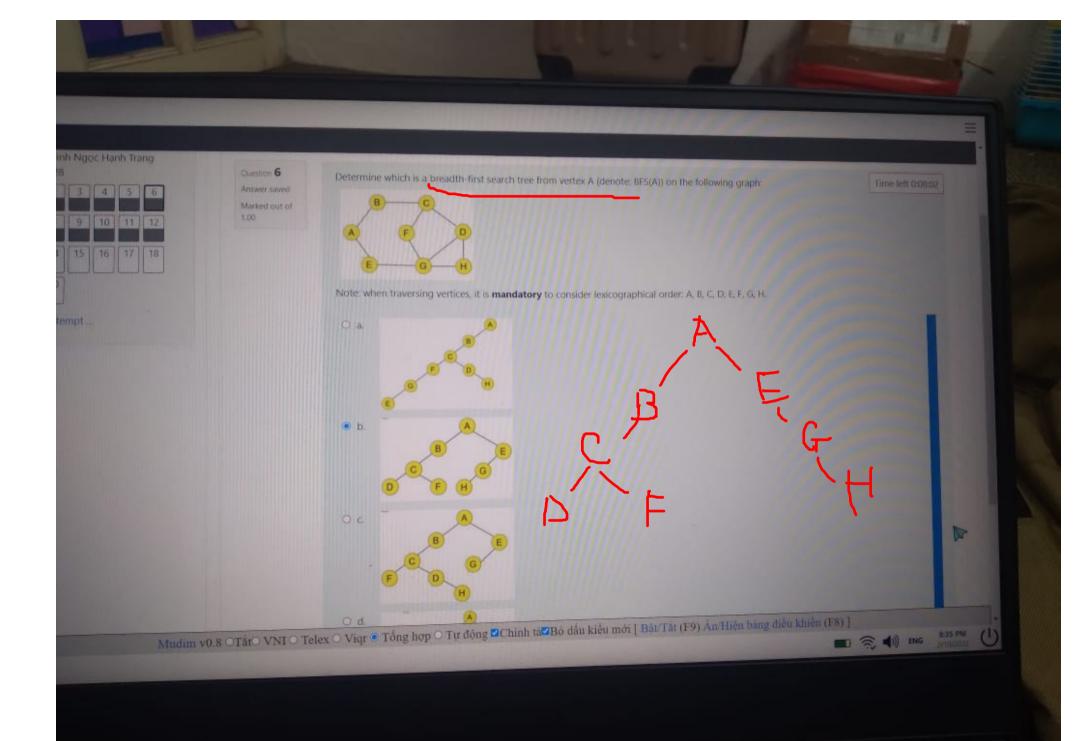


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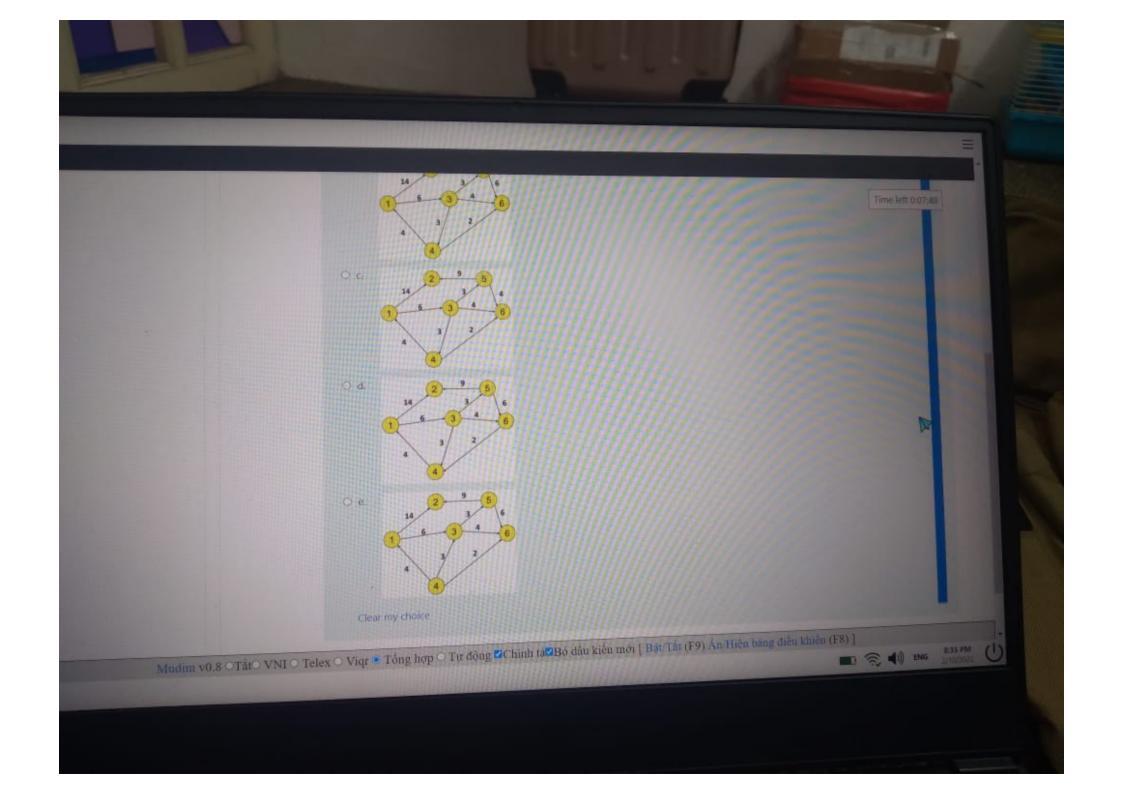


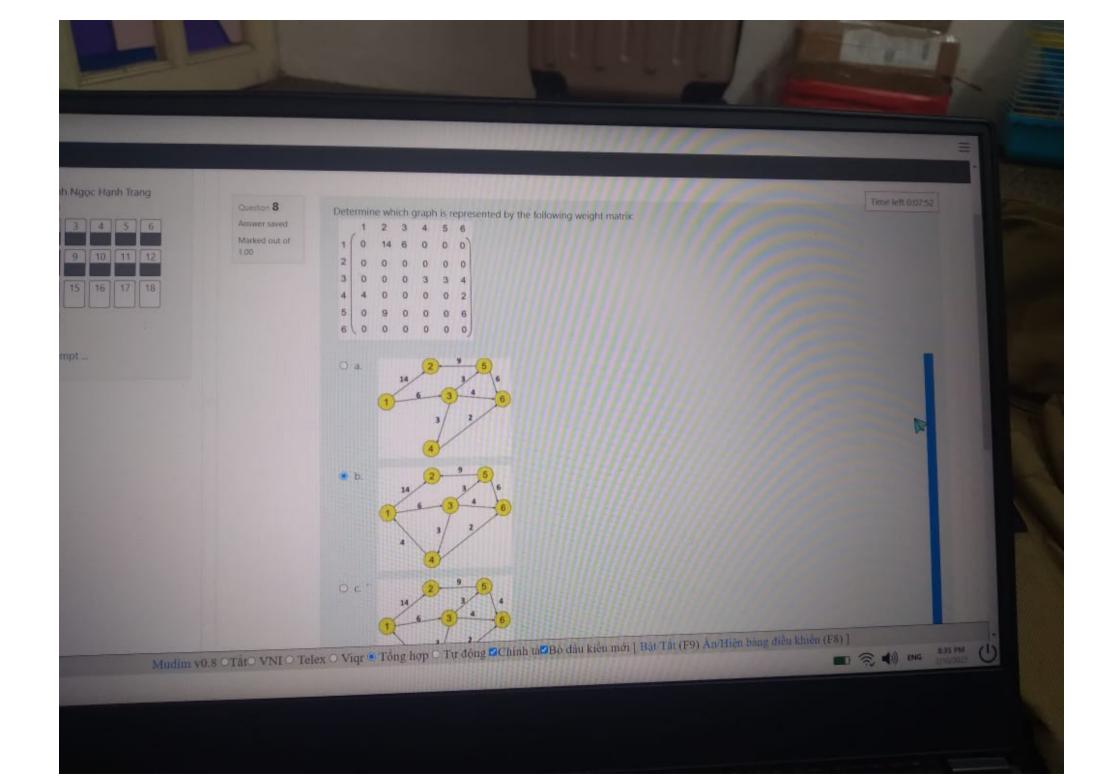




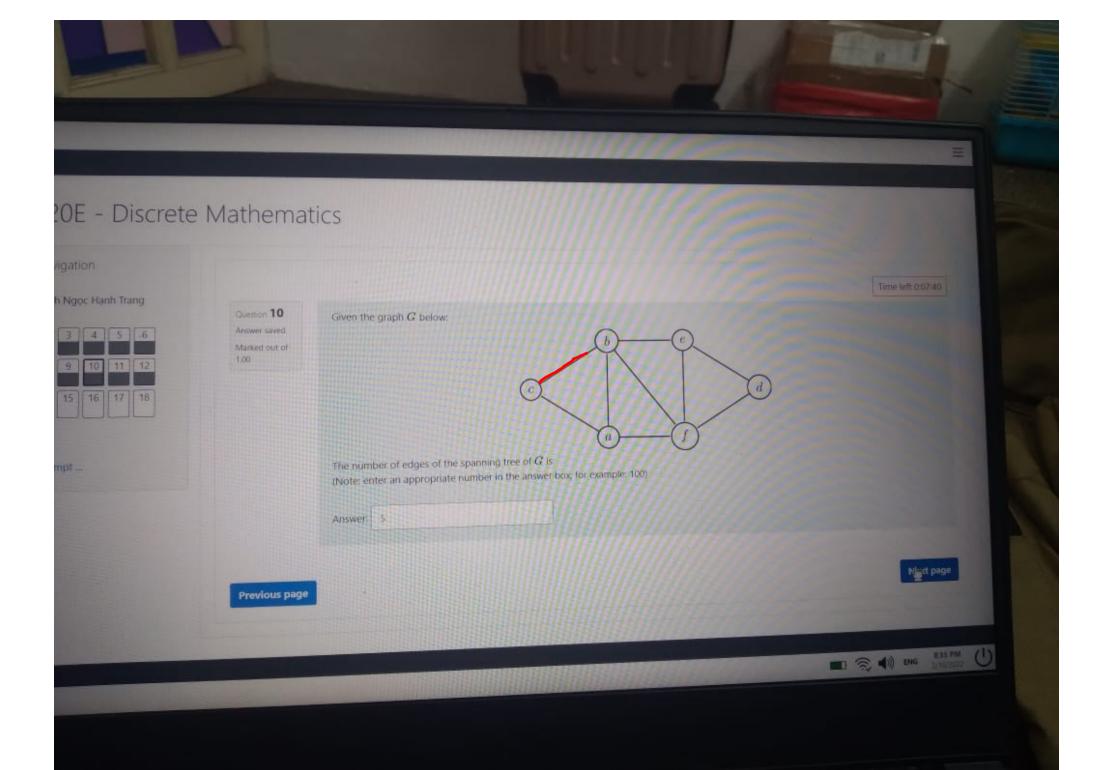


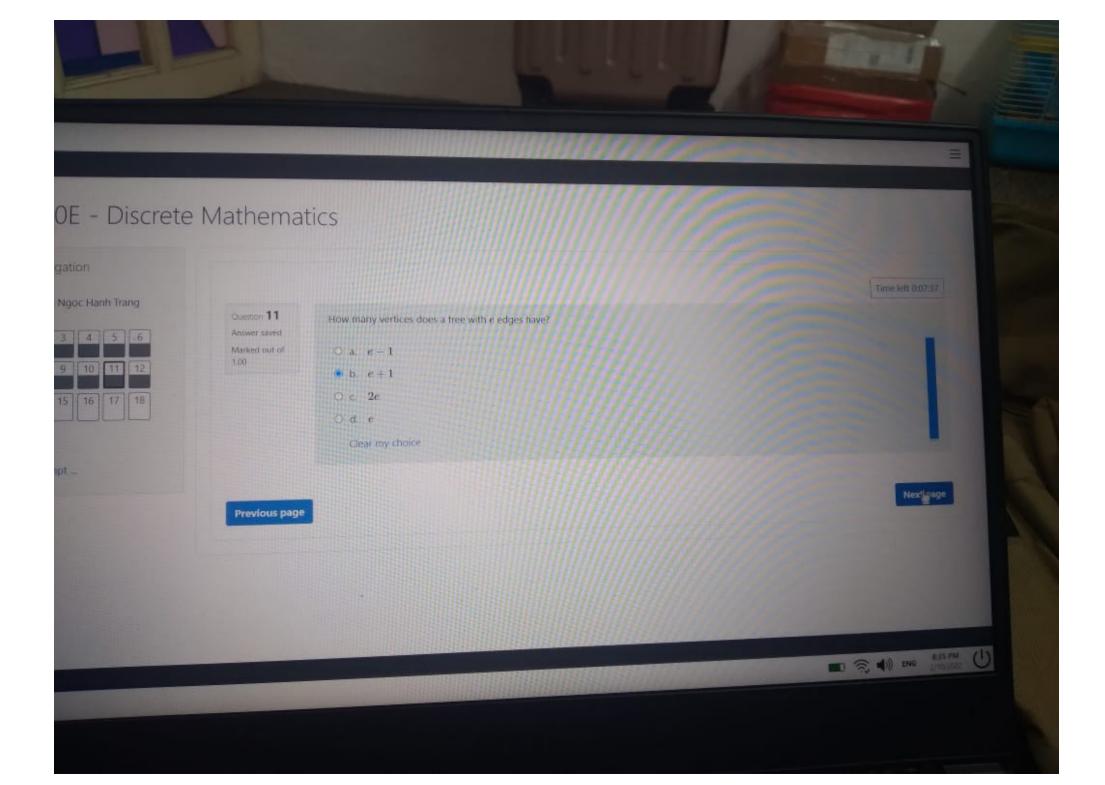
20E - Discrete Mathematics nh Ngọc Hạnh Trang Question 7 Undirected simple graph G with vertex set $V = \{1,2,...,10\}$. In this graph, for every pair of vertices, there is an edge connecting them. What is the Answer saved number of single paths starting from vertex 1, passing through all the remaining vertices, and ending at vertex 10? Marked out of O a. 10 O b. None of the given choices are correct ● c. 362880 O d. 40320 Clear my choice Previous page Mudim v0.8 ○Tắr○ VNI ○ Telex ○ Viạr ● Tổng hợp ○ Tự động ☑Chính tắ☑Bô dấu kiểu mới [Bắt/Tất (F9) Ẩn/Hiện bảng điều khiến (F8)] ■ (1) BNG (1)

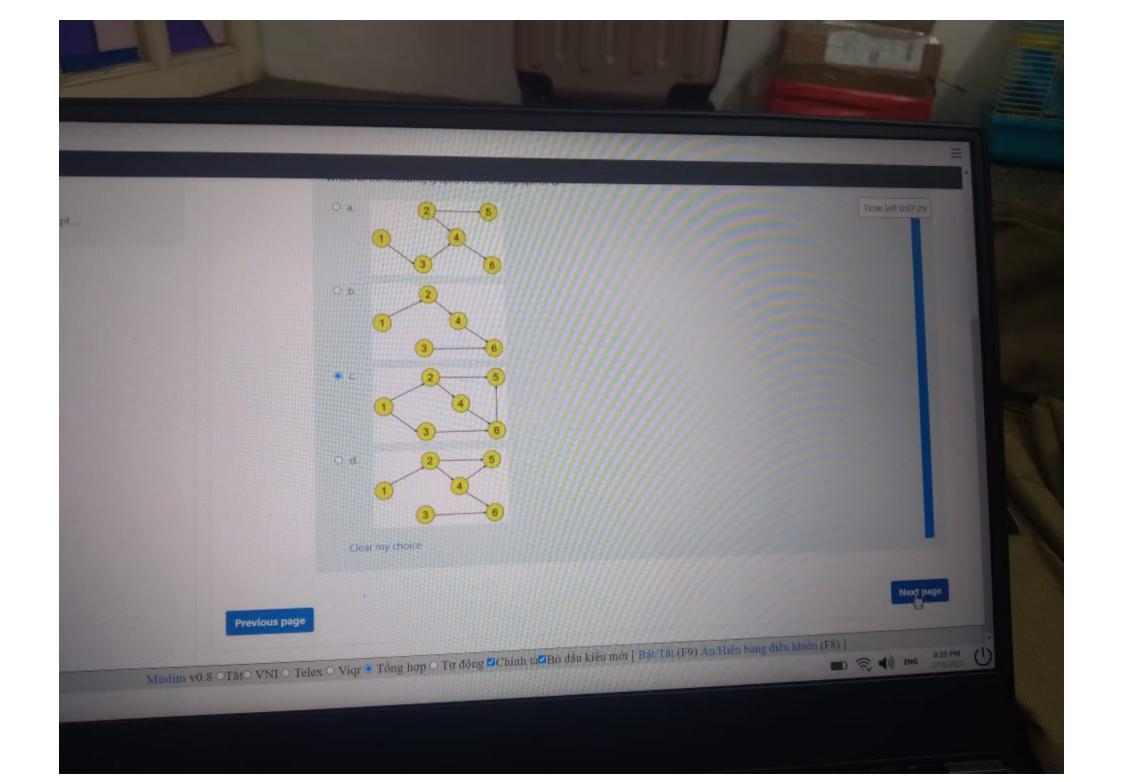


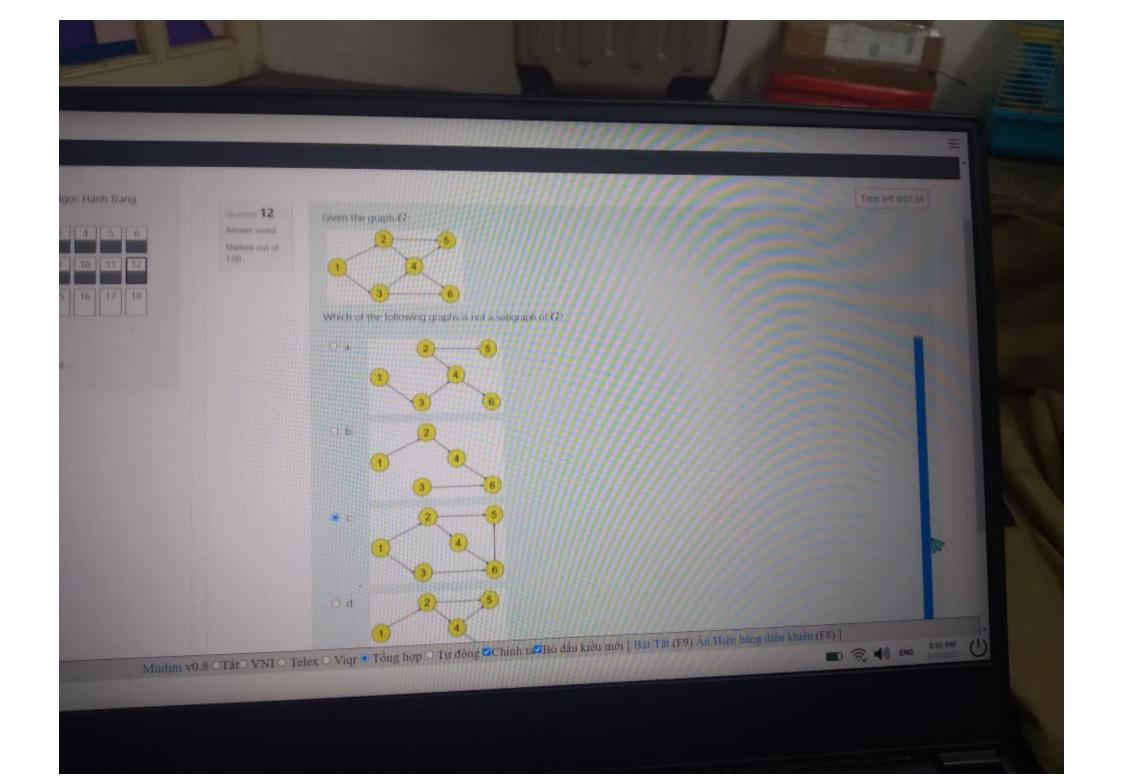


20E - Discrete Mathematics Time left 0:07:43 h Ngọc Hạnh Trang Question 9 Given the undirected graph G with weight on each arc as below. Answer saved Marked out of 1.00 The weight of the minimum spanning tree of $\,G\,$ is: (Note: enter an appropriate number in the answer box, for example, 100 Answer: 9 Previous page 10 (10 ENG 1007/02)









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Ngọc Hạnh Trang

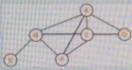


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Answer saved
Marked out of

1.00

Apply Depth-First-Search algorithm (DFS) starting from vertex B on the following graph:



Note: when traversing vertices, it is mandatory to consider lexicographical order: A, B, C, D, E, F. When the algorithm terminates, we have the path from vertex B to vertex F on the DFS tree is:

- a. None of the given choices are correct
- 0 b. B -> F
- O c B-> A-> C-> F
- O d. B--> A--> D--> C--> F
- 0 e B -> C -> F
- O f. B -- > A -- > F

Clear my choice

Previous page

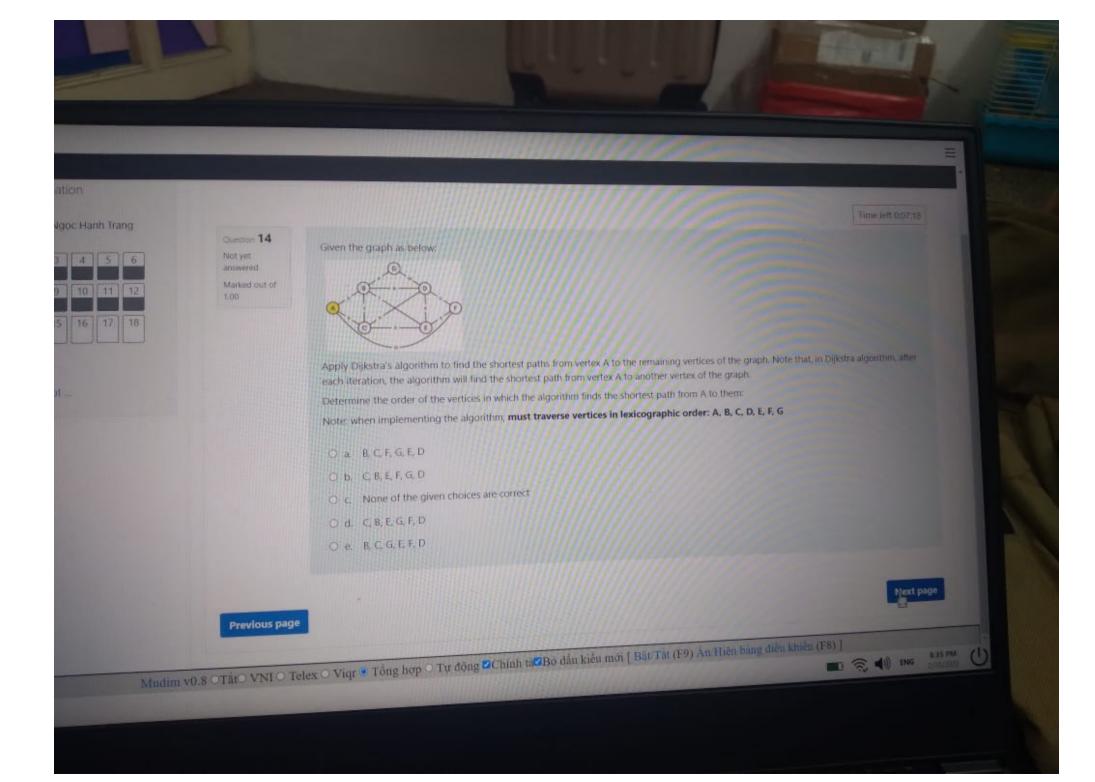




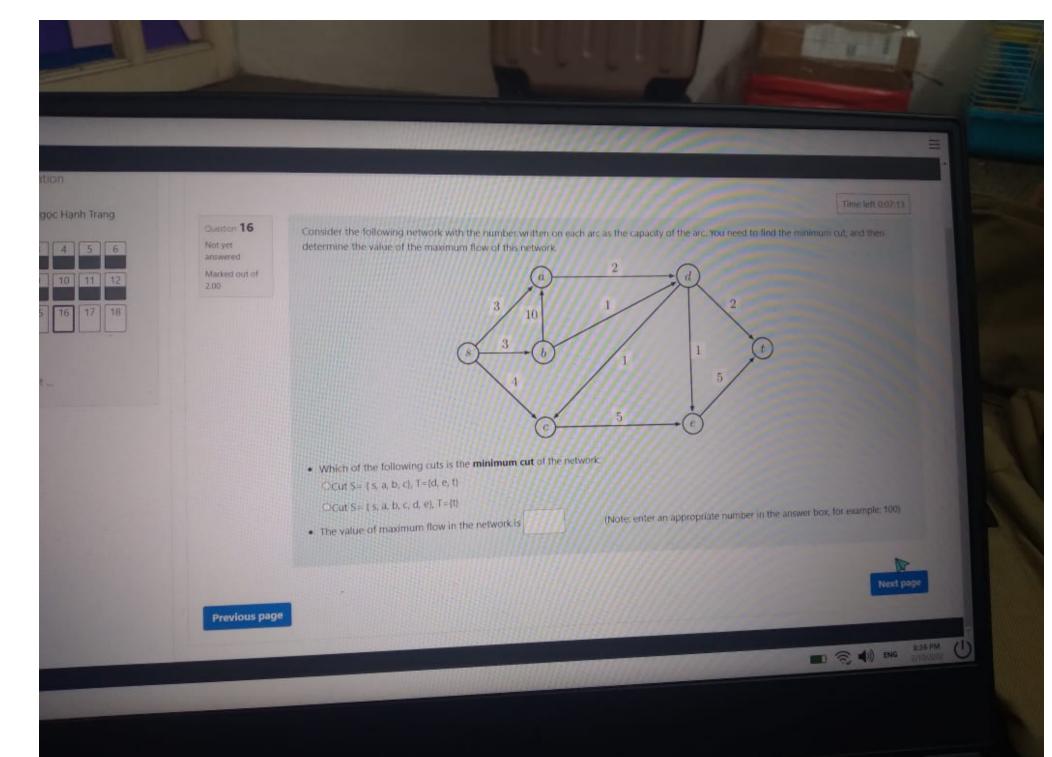




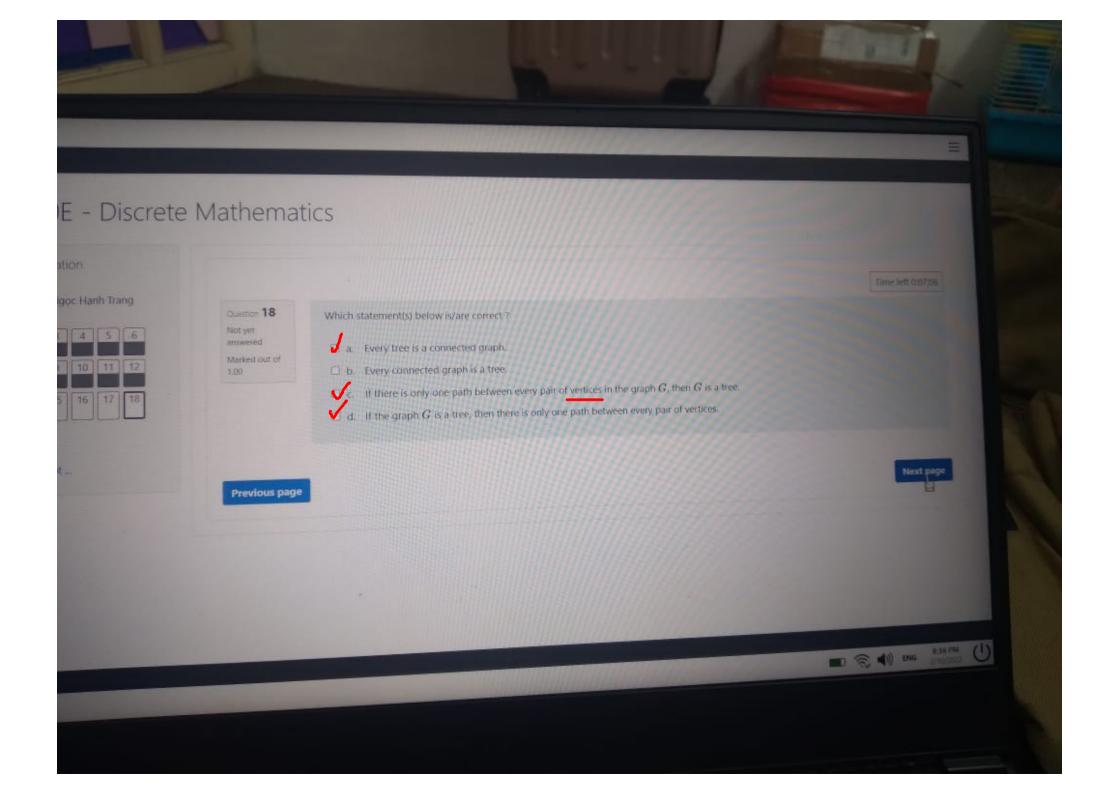




E - Discrete Mathematics goc Hanh Trang Each menu for a meal at the restaurant ABC consists of 3 dishes appetizer, main dish and dessert. The restaurant ABC has 5 types of appetizer, 3 Question 15 types of main dish and 4 types of dessert. How many ways can a person choose the menu? Not yet answered Marked out of O a. 60 O b. None of the given choices are correct O 6. 12 O d. 120 O e. 24 Previous page THE SECTION OF THE SECTION (1)



E - Discrete Mathematics gọc Hạnh Trang How many ways are there to choose a class monitor and a secretary from a class of 20 students? Note, the secretary and the class monitor must Question 17 be two different students. Not yet answered Marked out of → a. 380 1.00 O b. 40 O c 400 O d. None of the given choices are correct Previous page ENG STATE OF THE S



goc Hanh Trang Question 19 Consider the flow on the network with a portion of the information given below. The pair of numbers p/q written on each arc means that p is Not yet the value of flow and q is the capacity of the arc. answered Marked out of 4/13 21/57 13/36 13/14 48/48 5/22 12/19 14/19 11/24 - 26/39 -Find the values of x,y and z corresponding to the values of the flow on the arc $s \to b, b \to f$ and $e \to t$. Then gives the value of the current flow in the network. (Note: enter an appropriate number in each answer box, for example: 100) · Value of x equals to Value of y equals to Value of z equals to Value of the current flow equals to Previous page Mudim v0.8 ○Tât○ VNI ○ Telex ○ Viqr ● Tổng hợp ○ Tự động ☑ Chính tá☑ Bỏ dấu kiểu mới [Bắt/Tất (F9) Ân/Hiện bảng điều khiến (F8)] TO SHE SHE SHE (1)

E - Discrete Mathematics gọc Hanh Trang Cueston 20 Given the graph G as below: Not yet answered Marked out of 1.00 Which of the following is not the topological order of ${\cal G}$? O a. 132456 Ob. 324165 ₱ c. 123456 Od 132465 O e. None of the given choices are correct Previous page