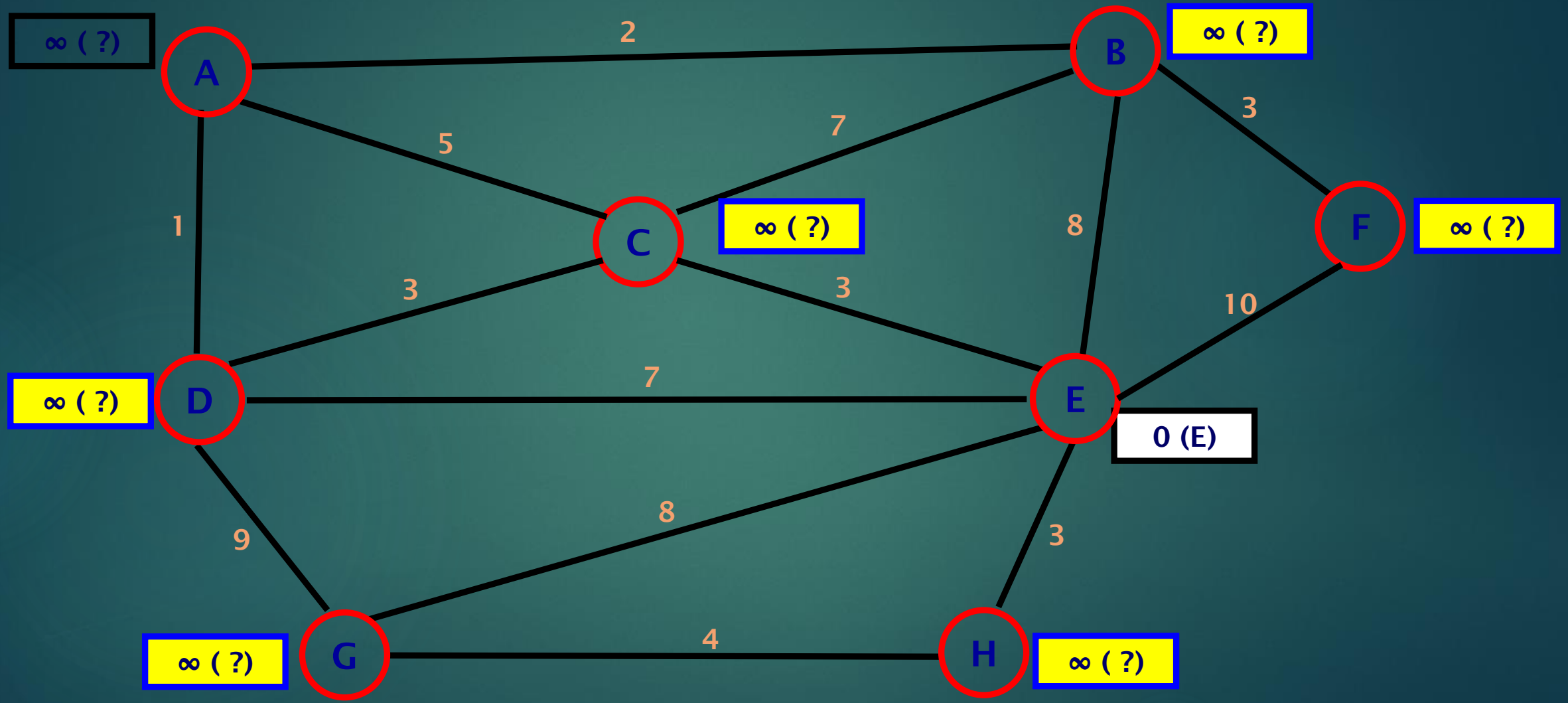
Homework-5

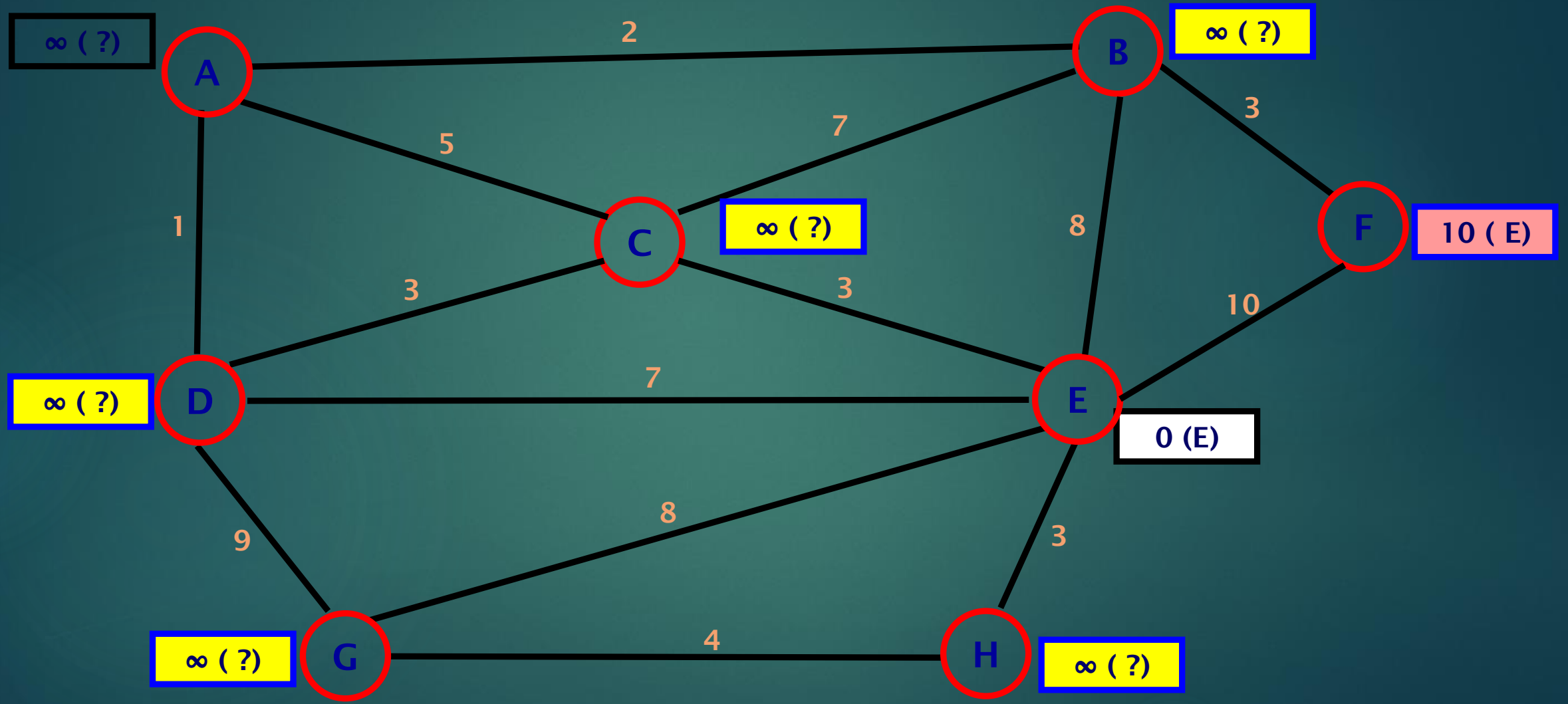
YUNUS DELIPINAR

26617

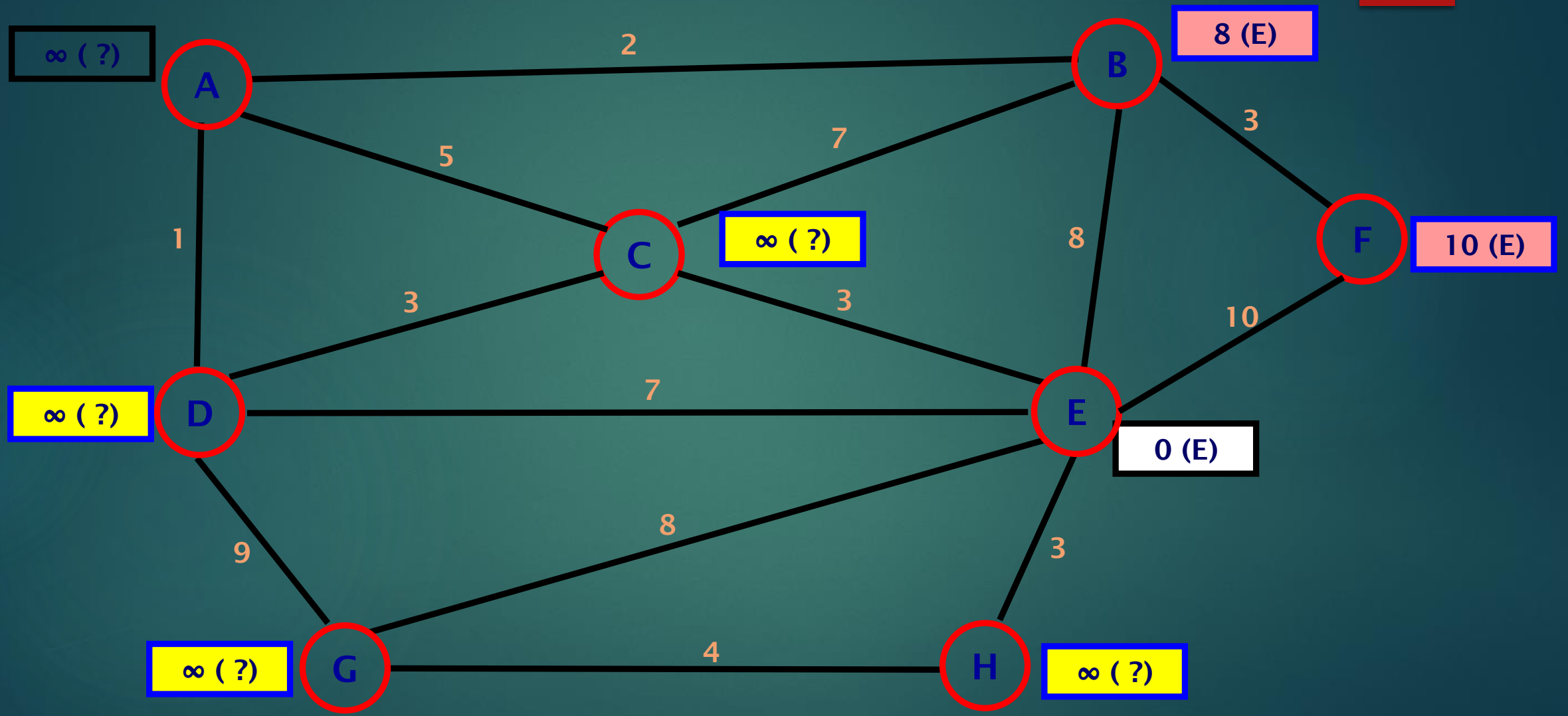
Question-1(Step-1)



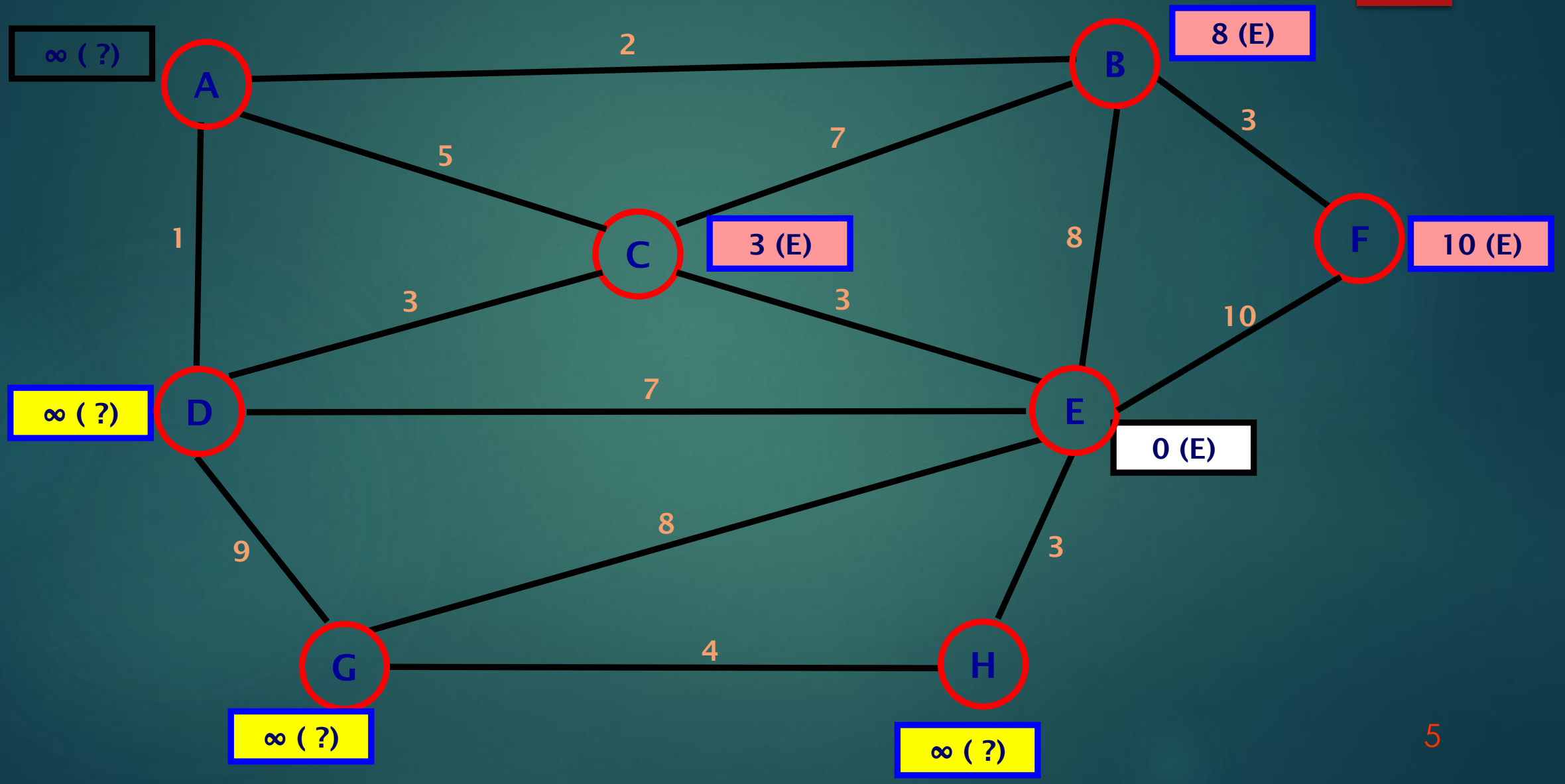
Question-1 (Step-2)



Question-1 (Step-3)



Question-1 (Step-4)



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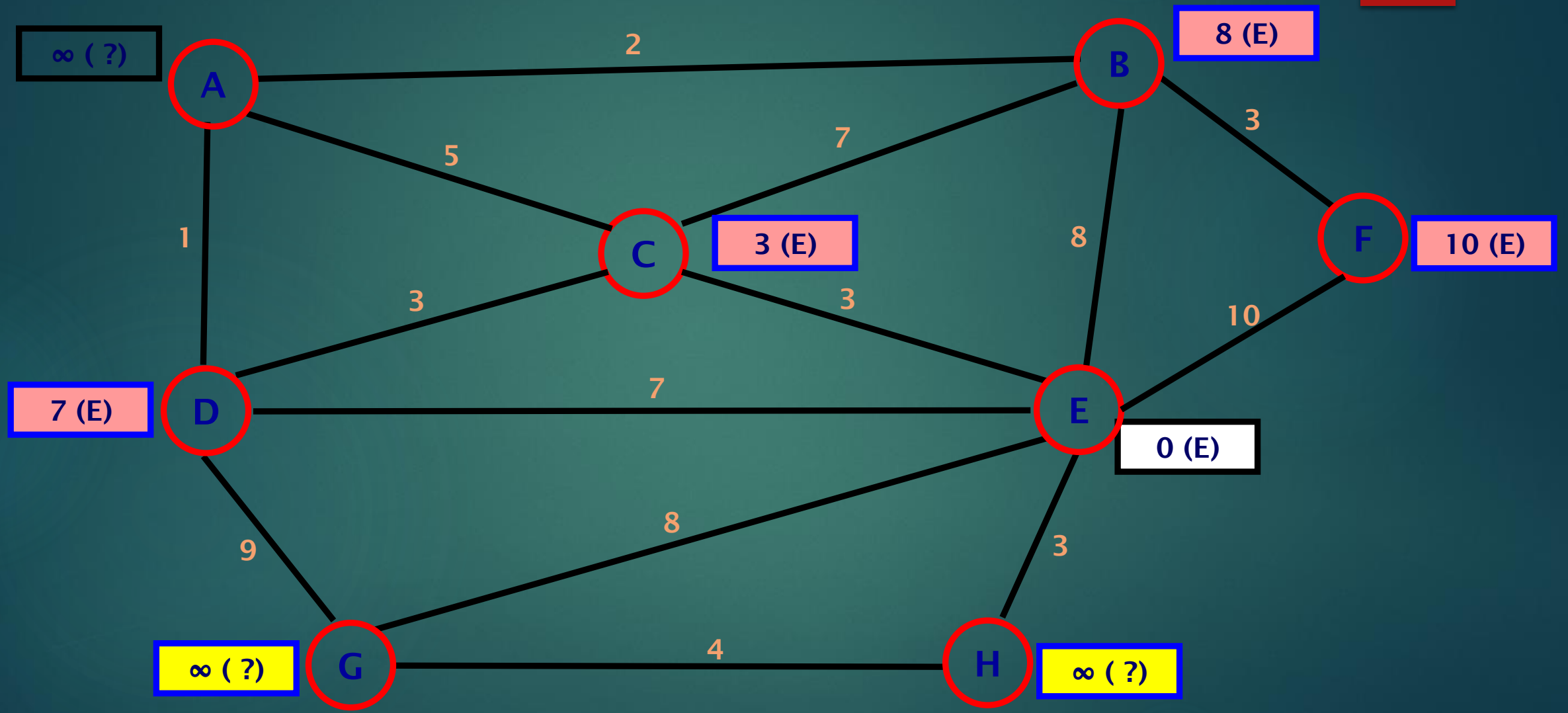

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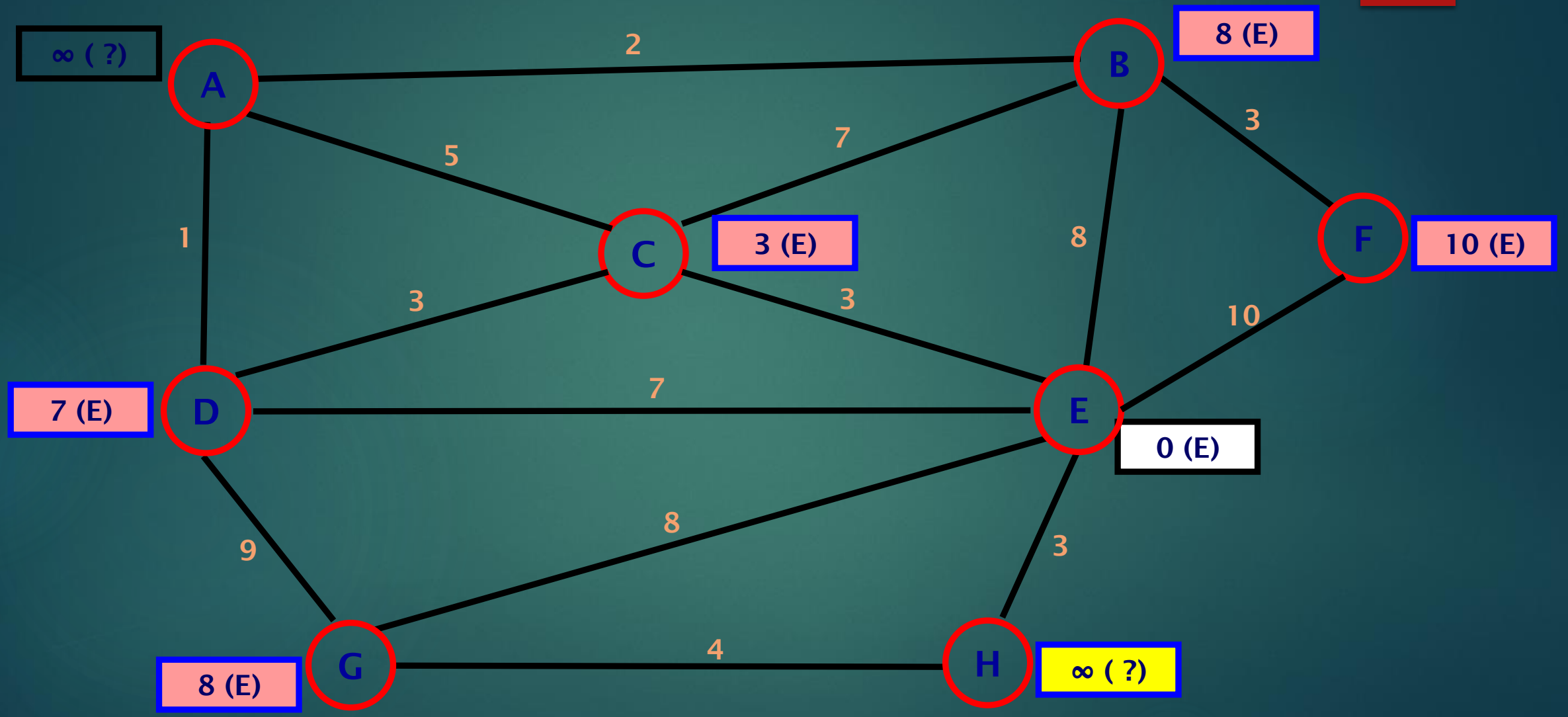
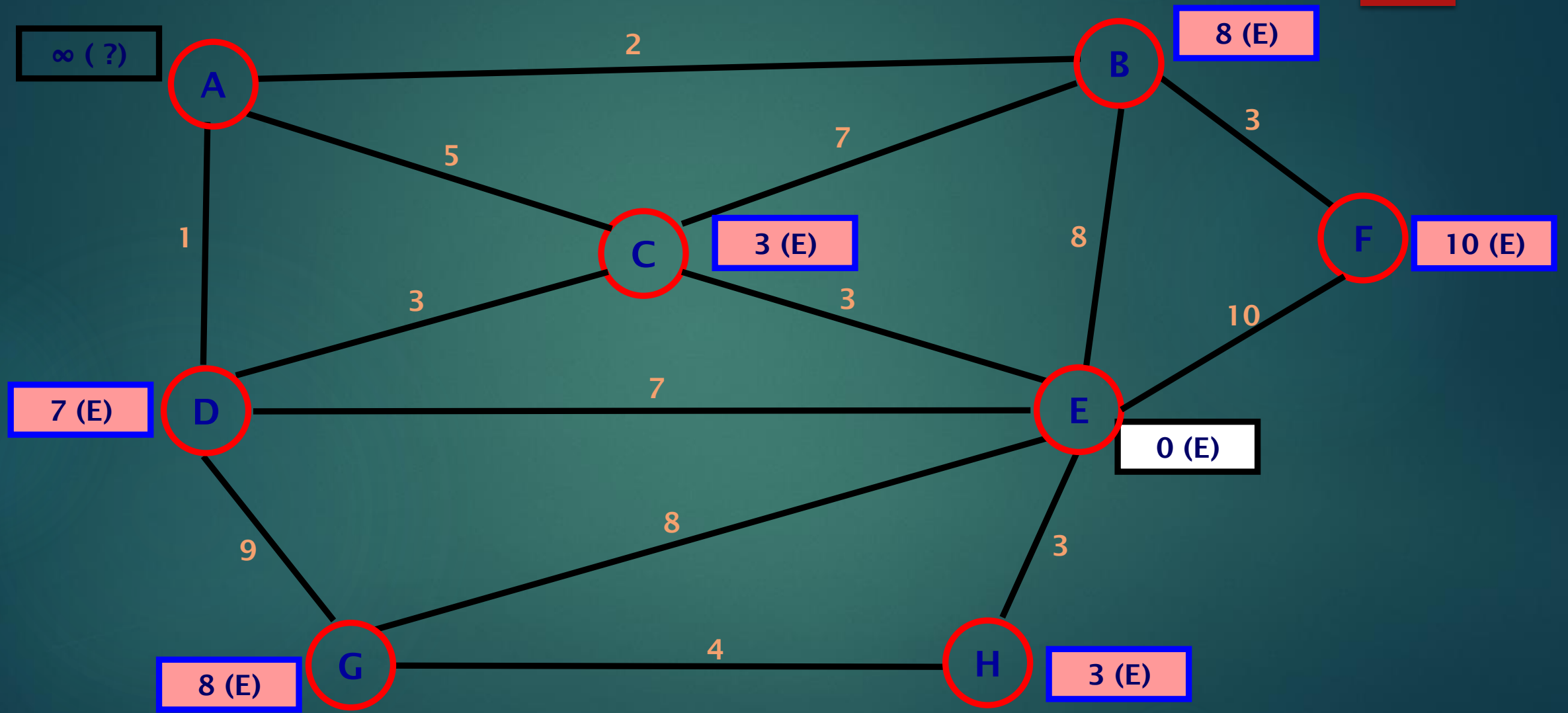
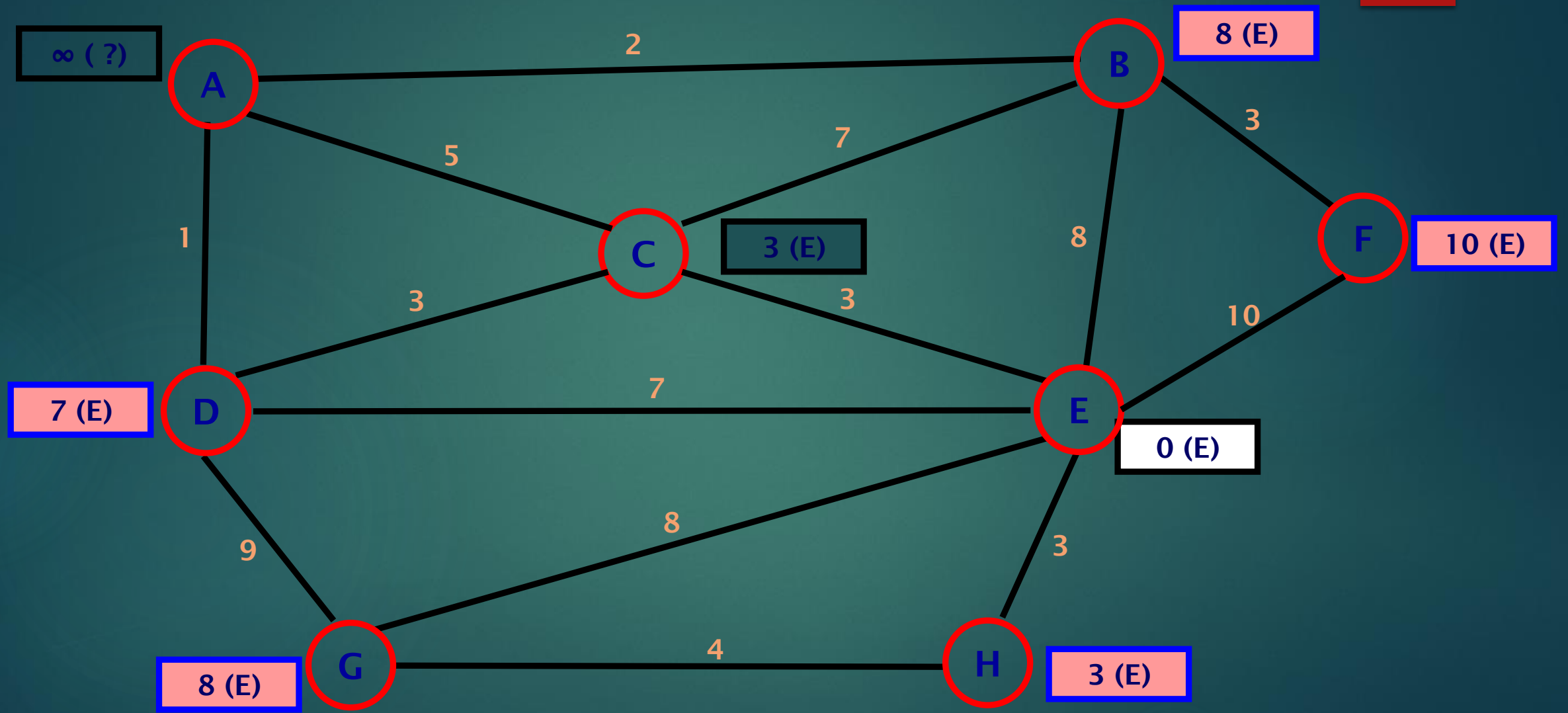


Question-1 (Step-7)



Question-1 (Step-8)



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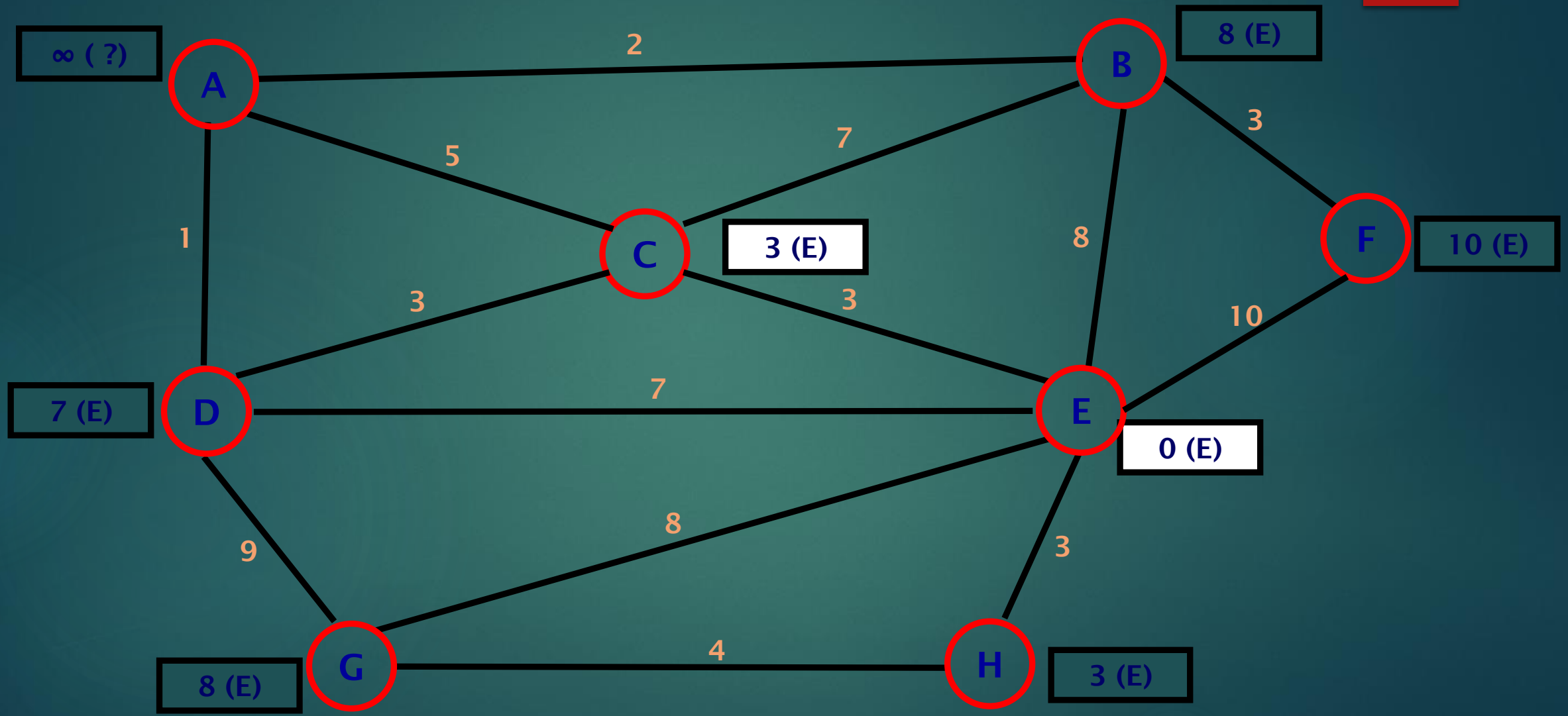

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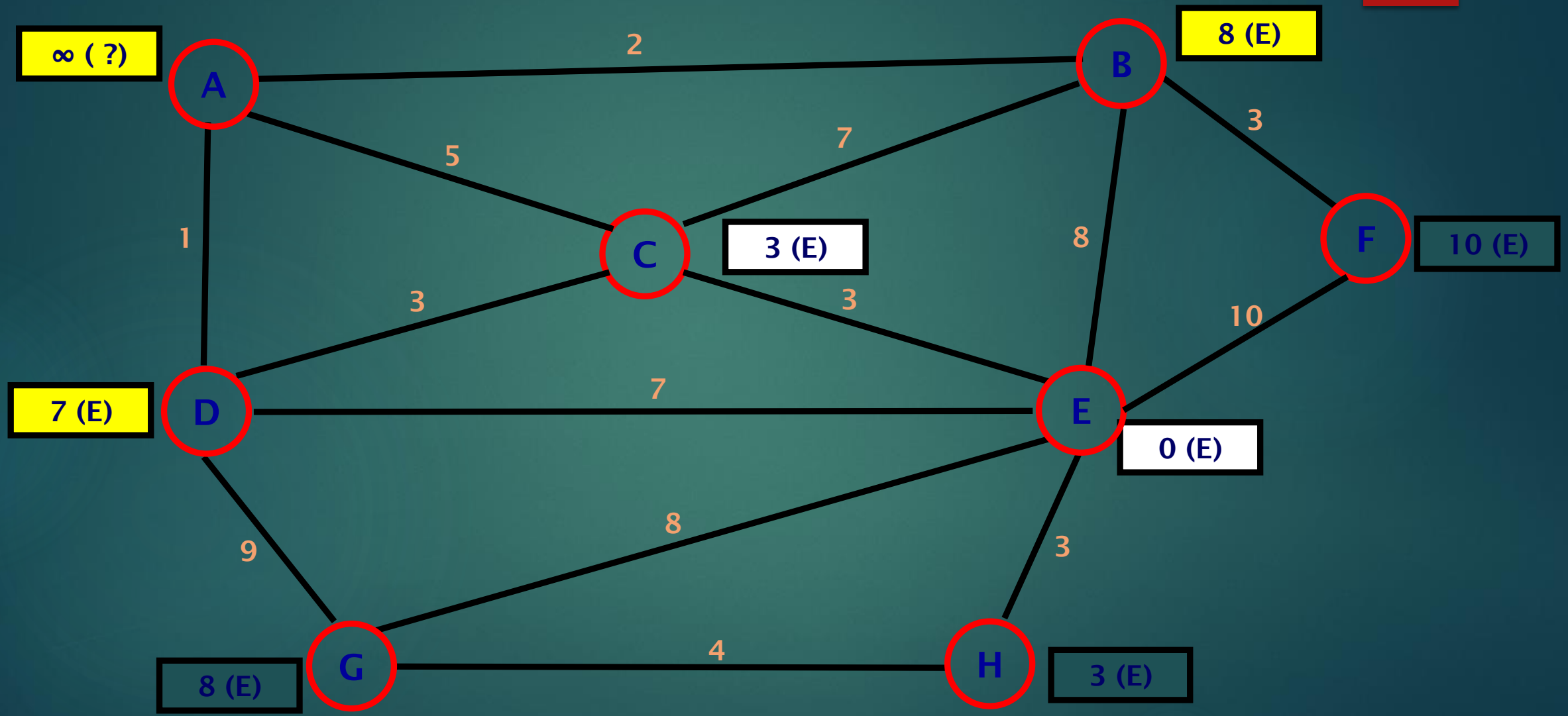
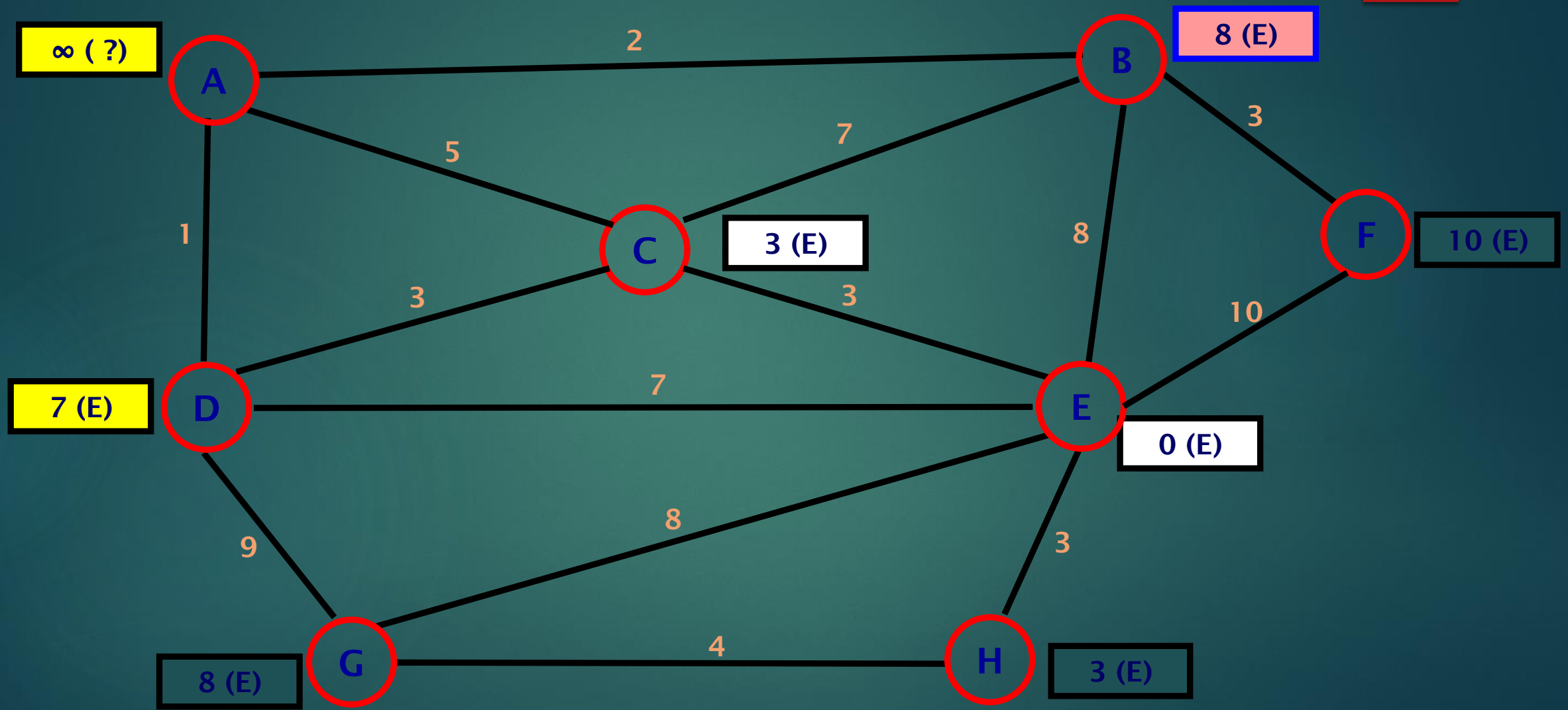


Question-1(Step-11)



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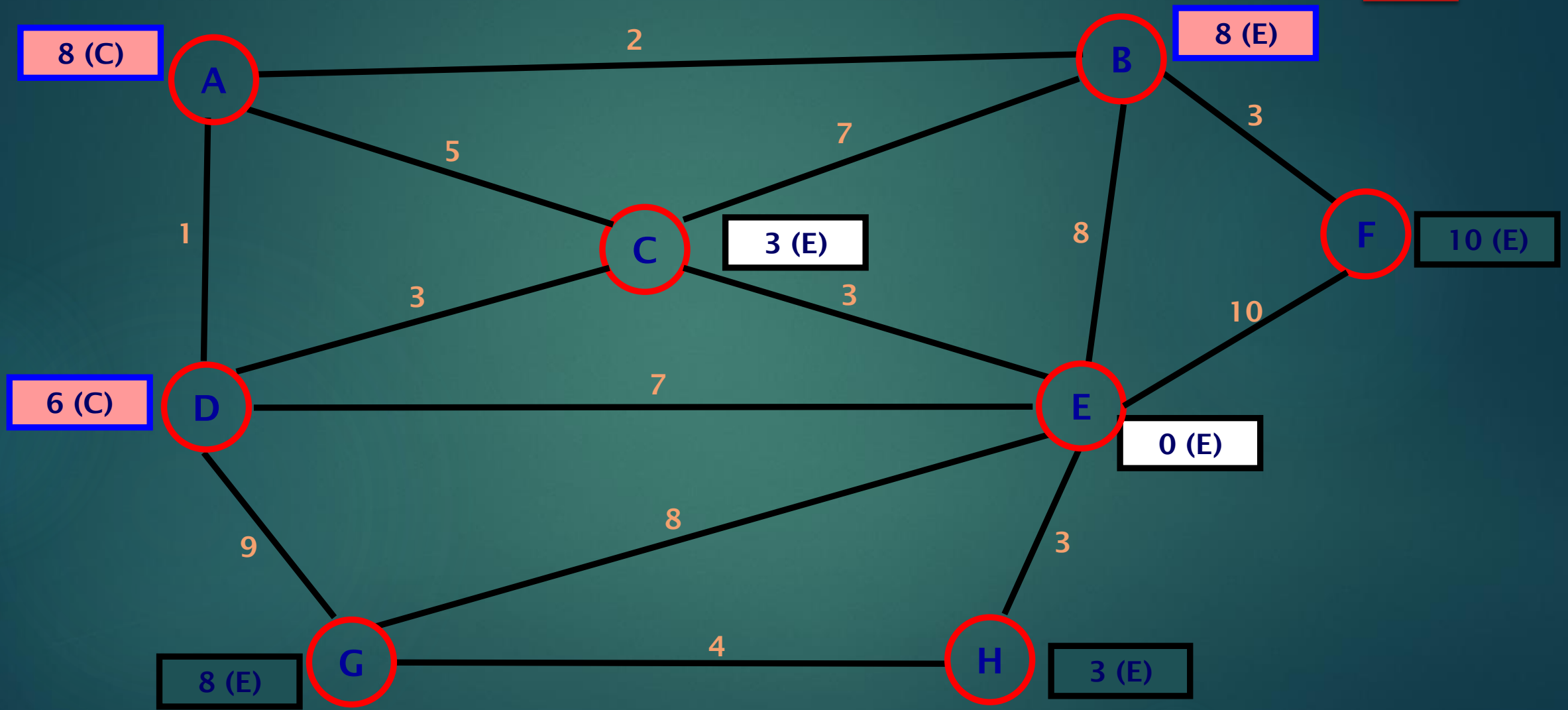

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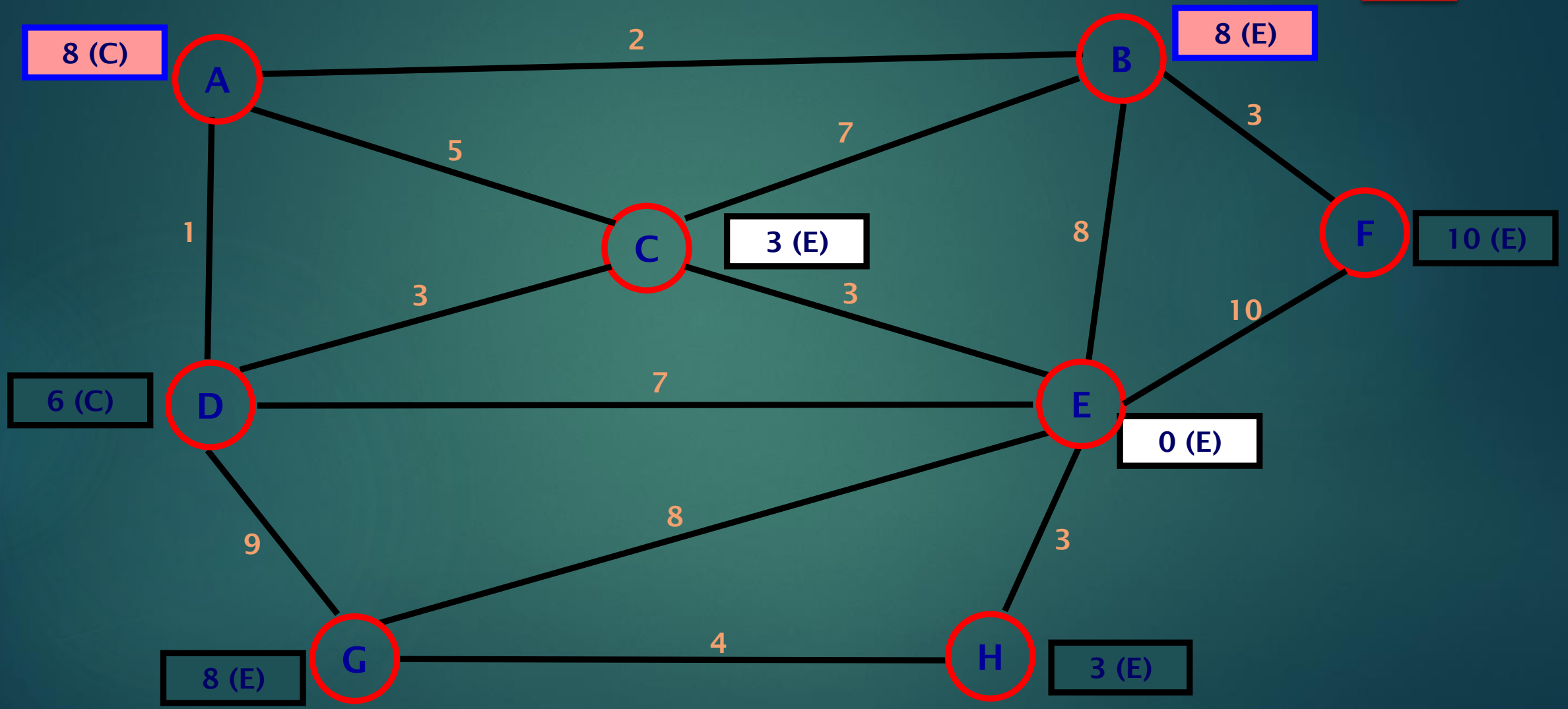

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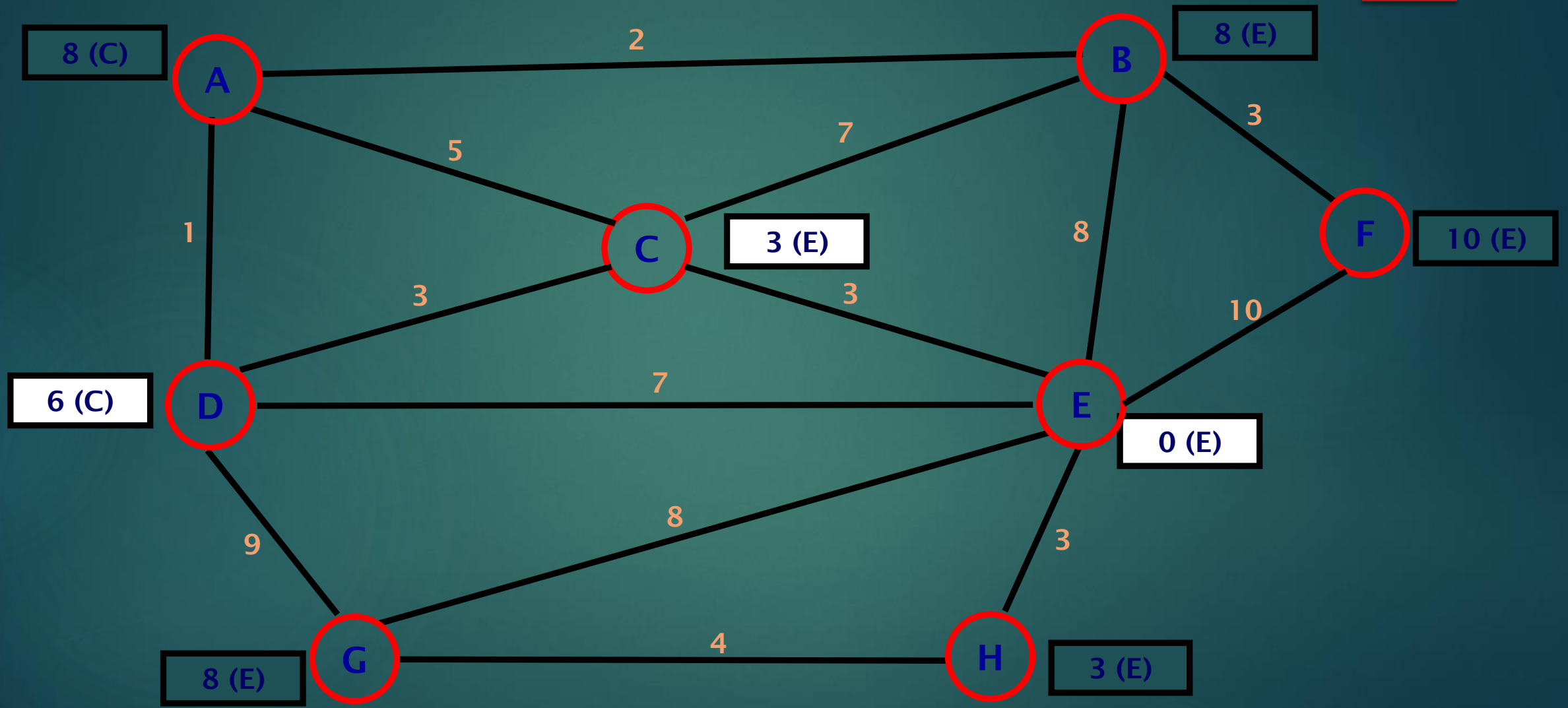

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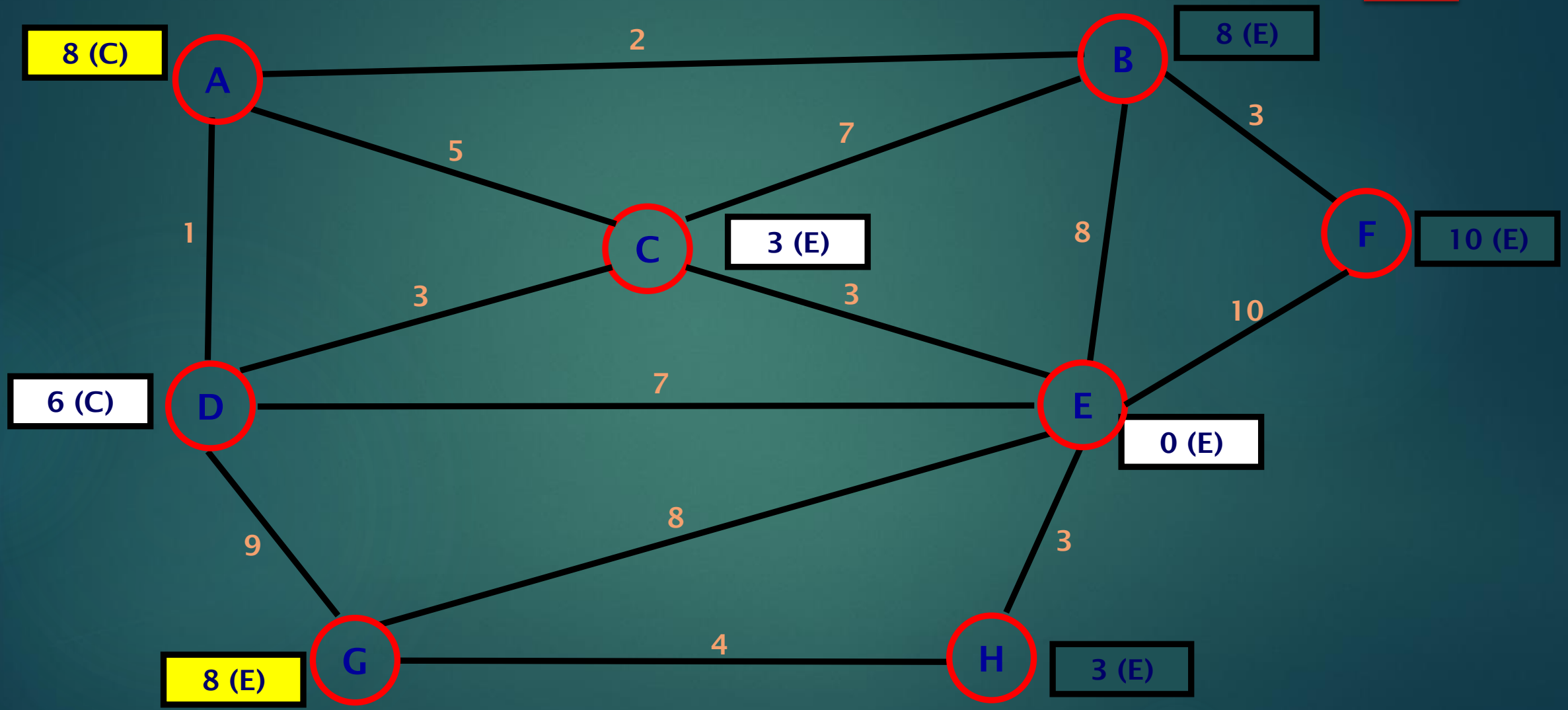

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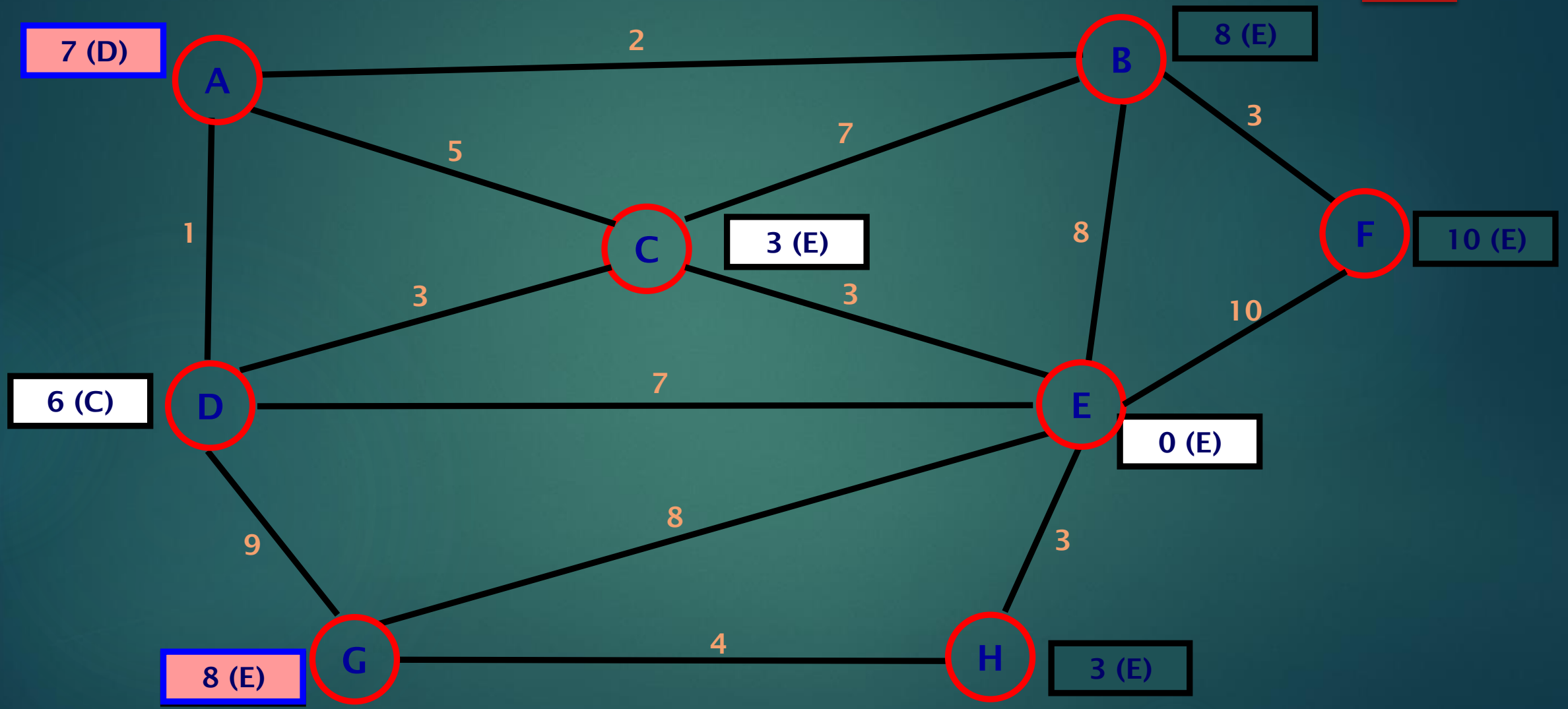

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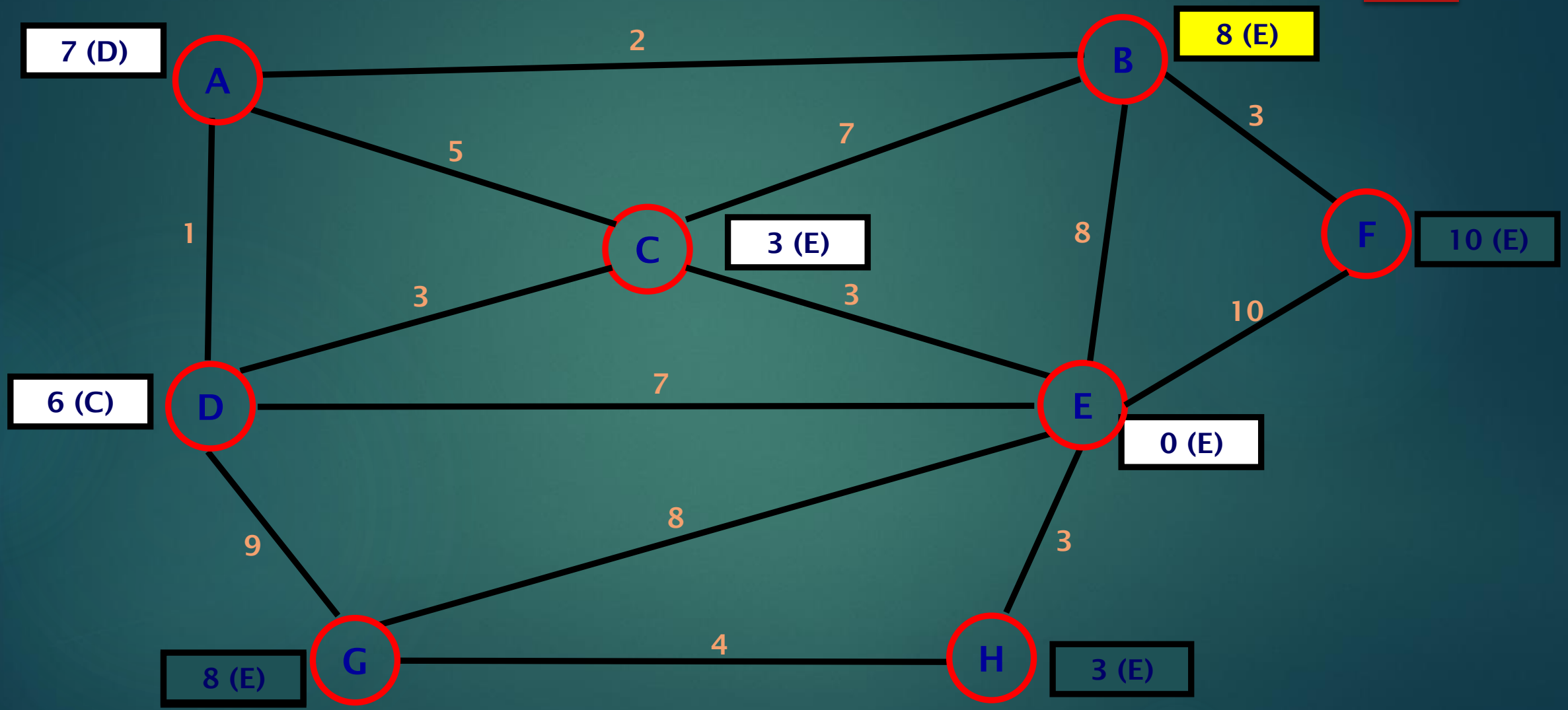

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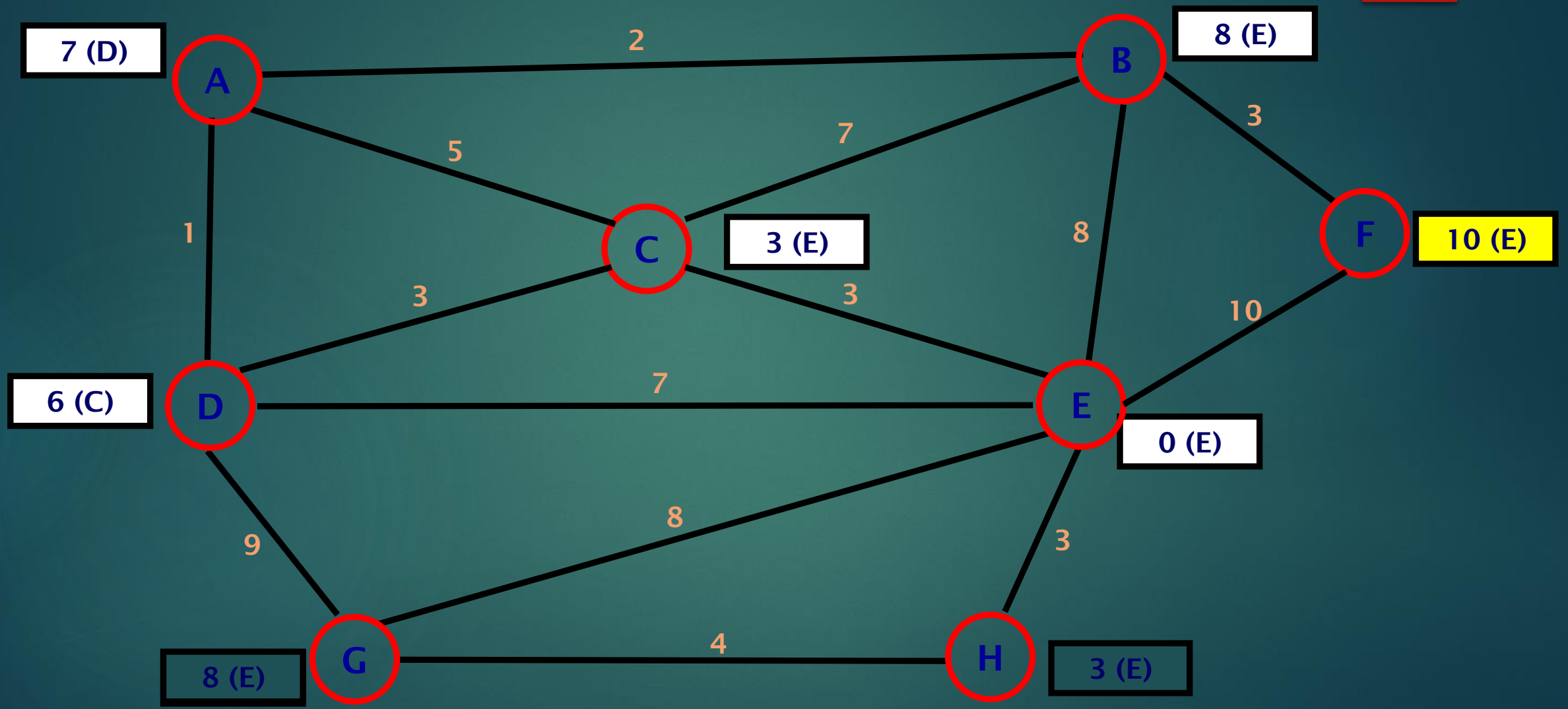

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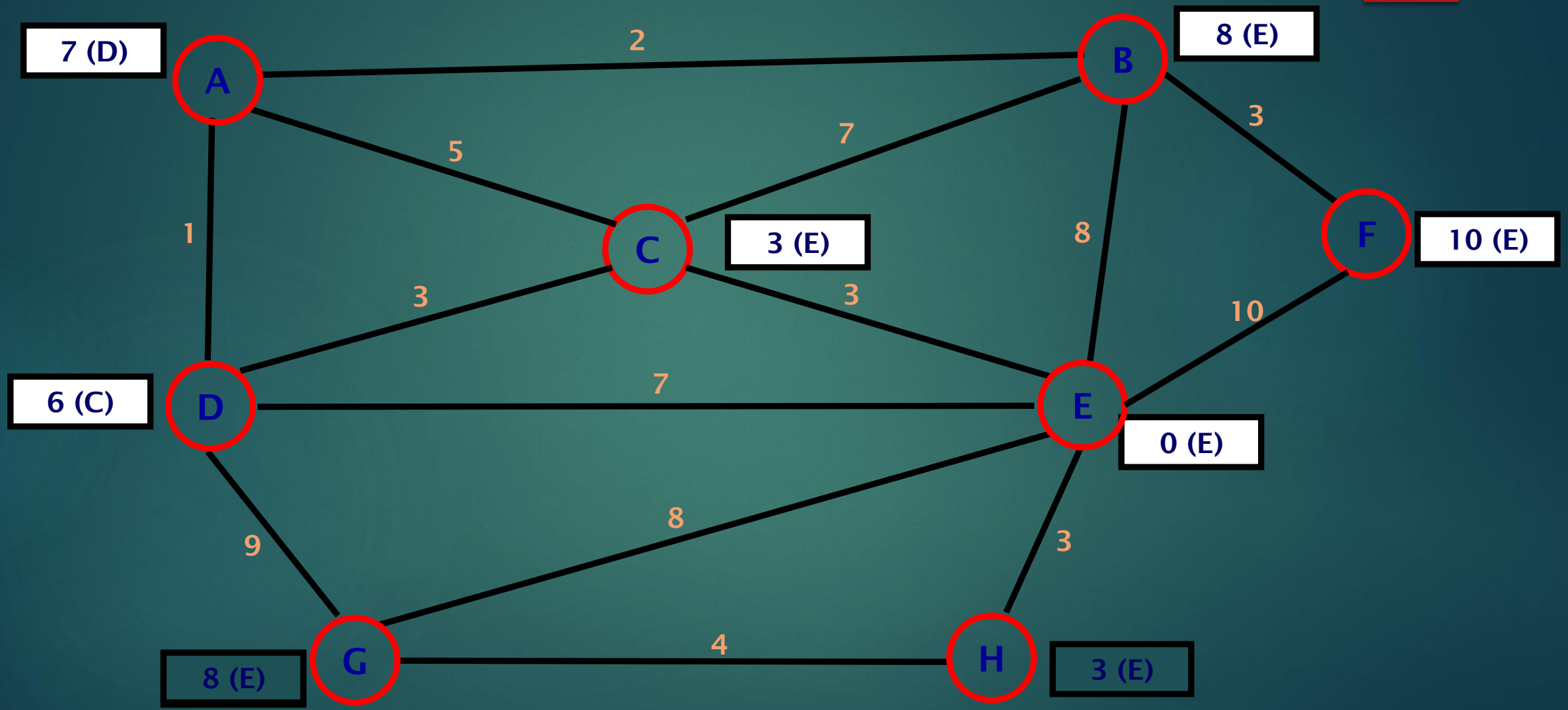

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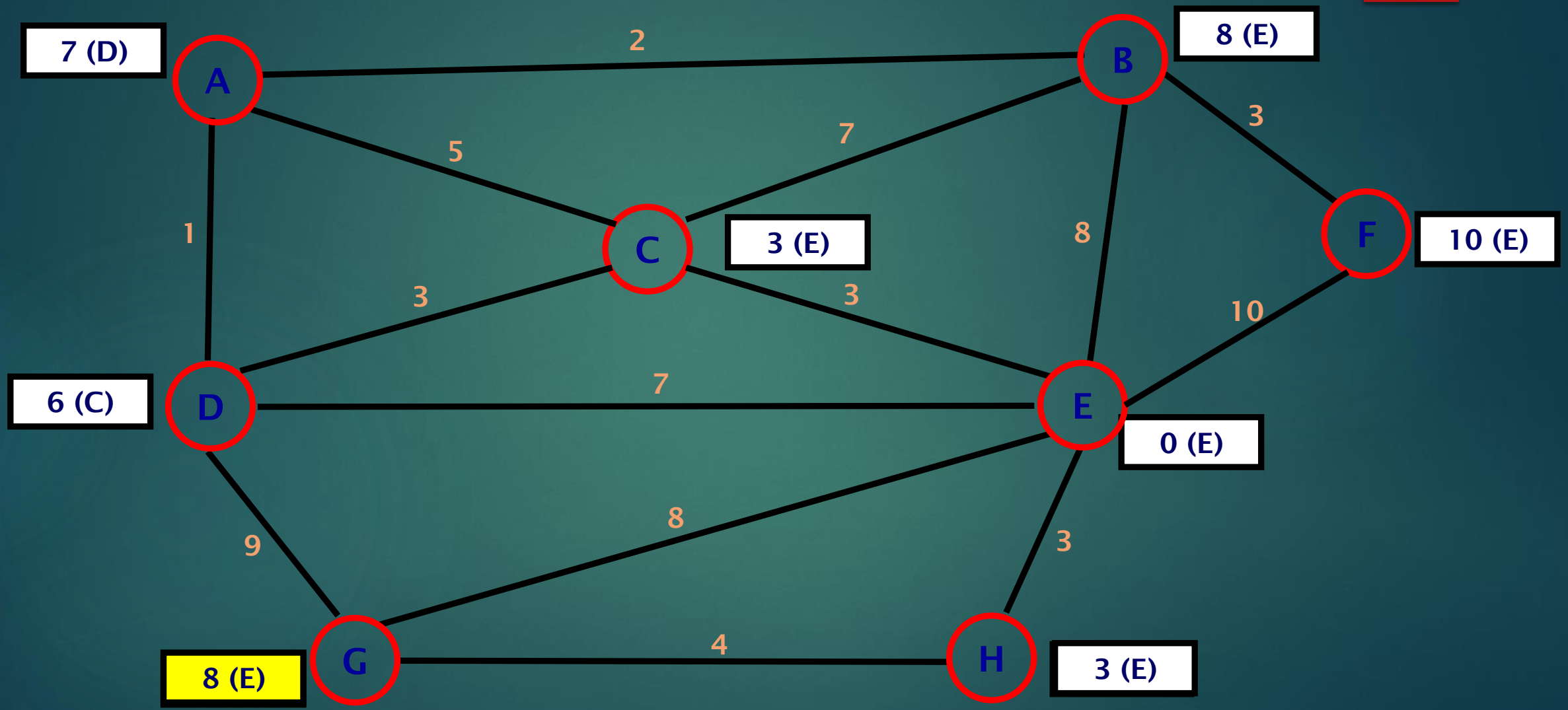
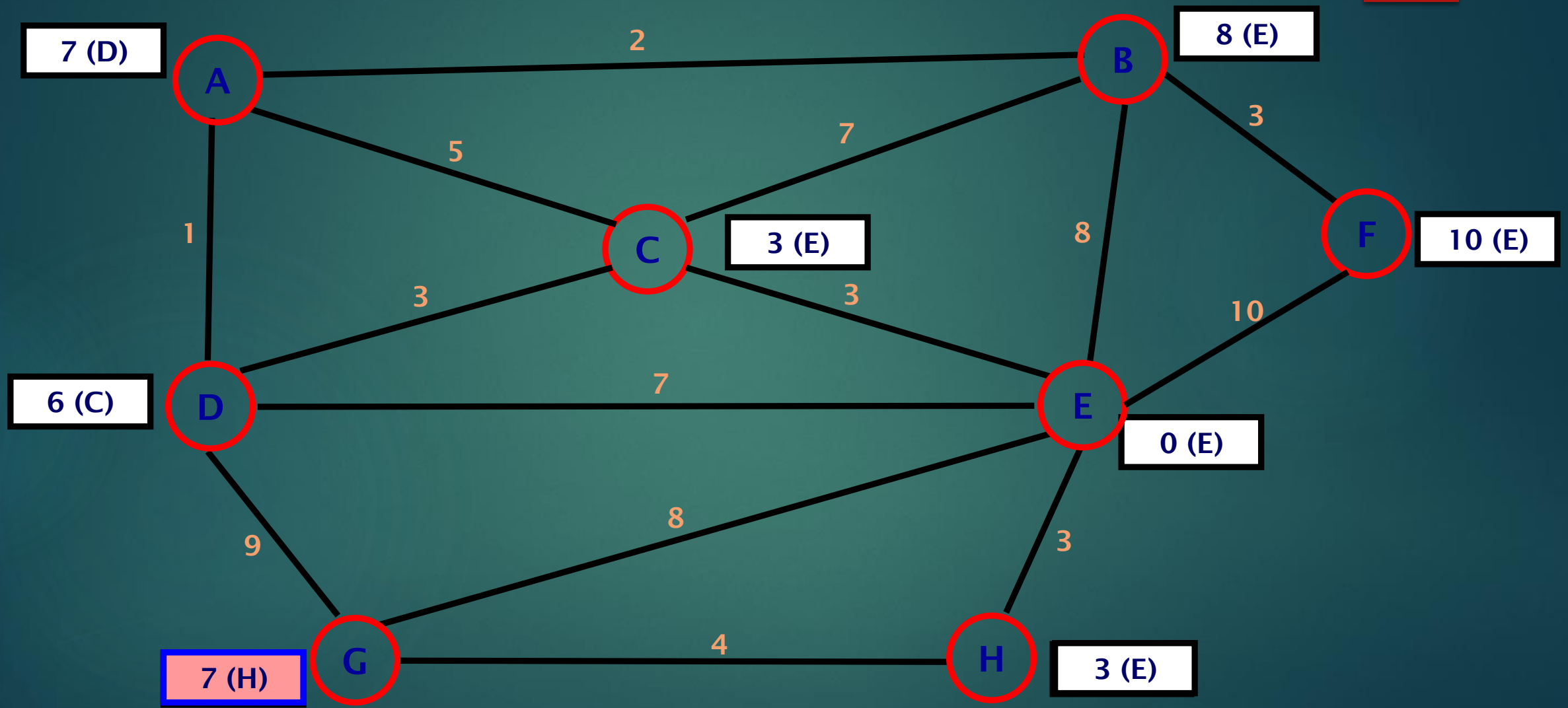
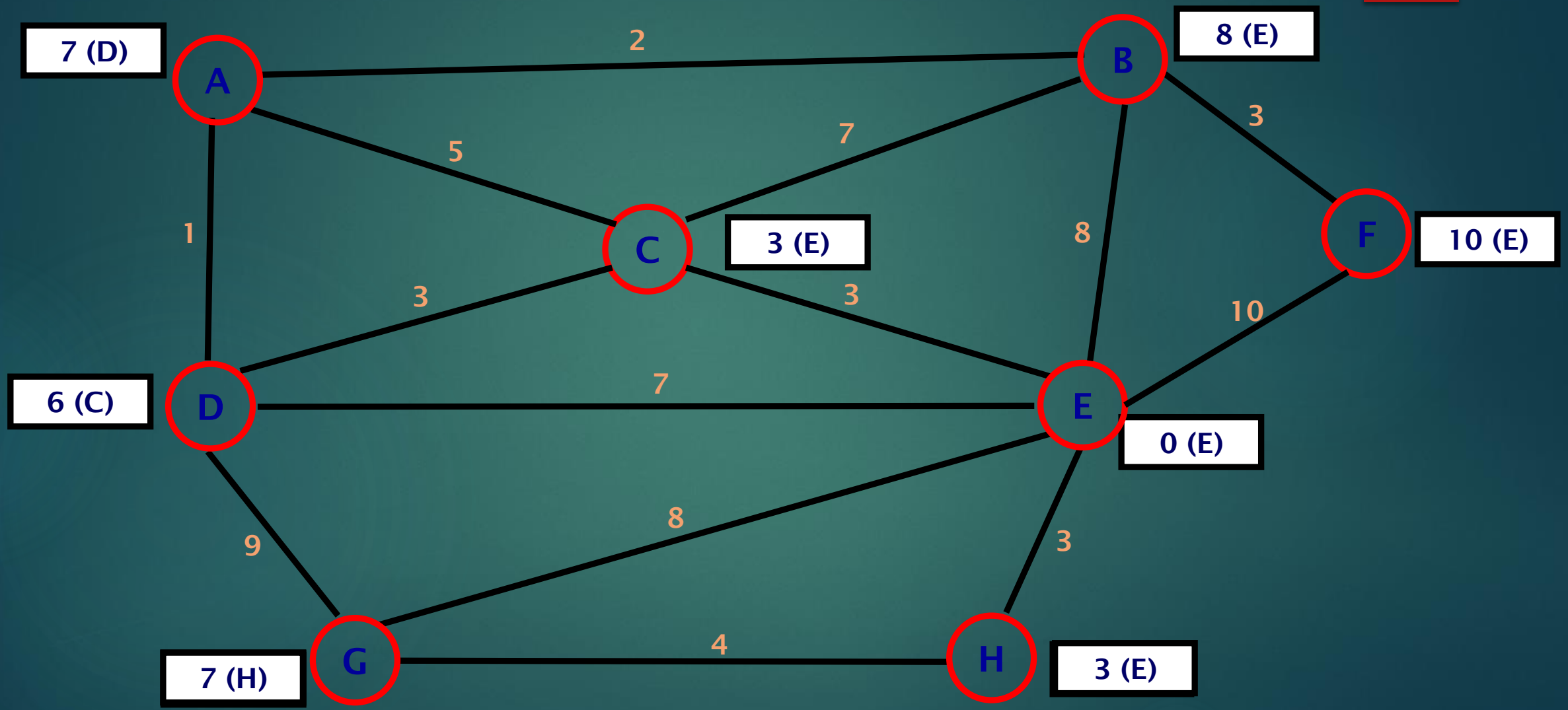


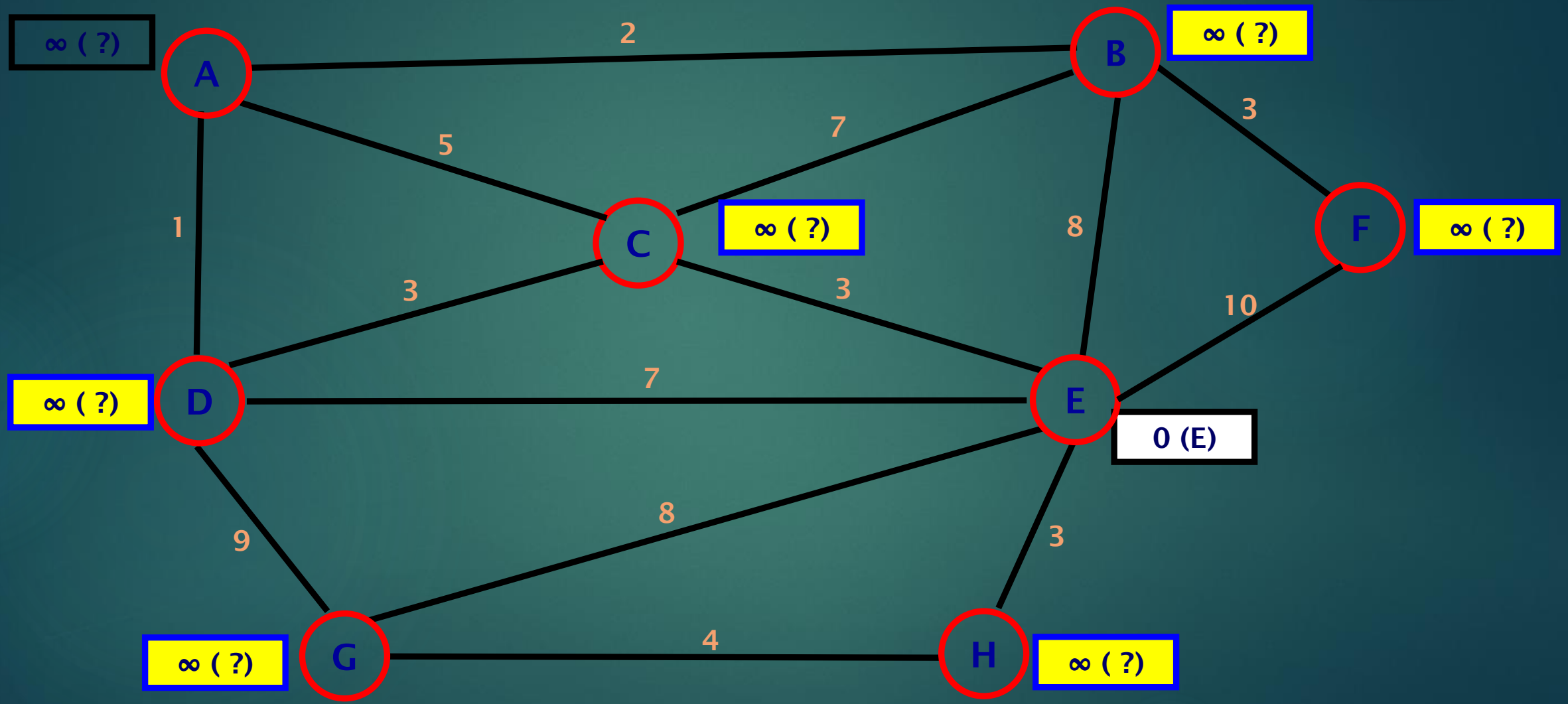
Question-1(Step-21)



Question-1 (Step-22)

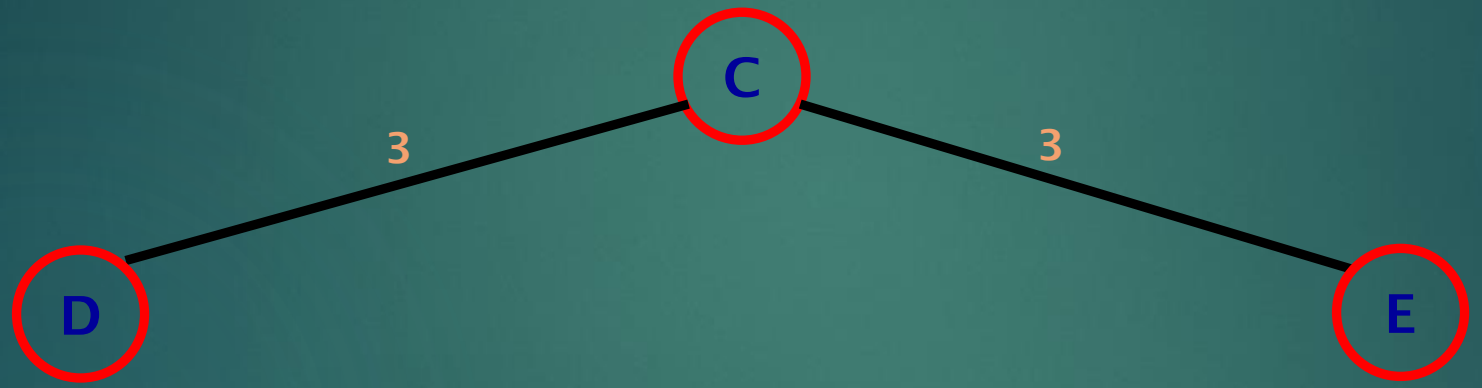


Question-2(Step-1)

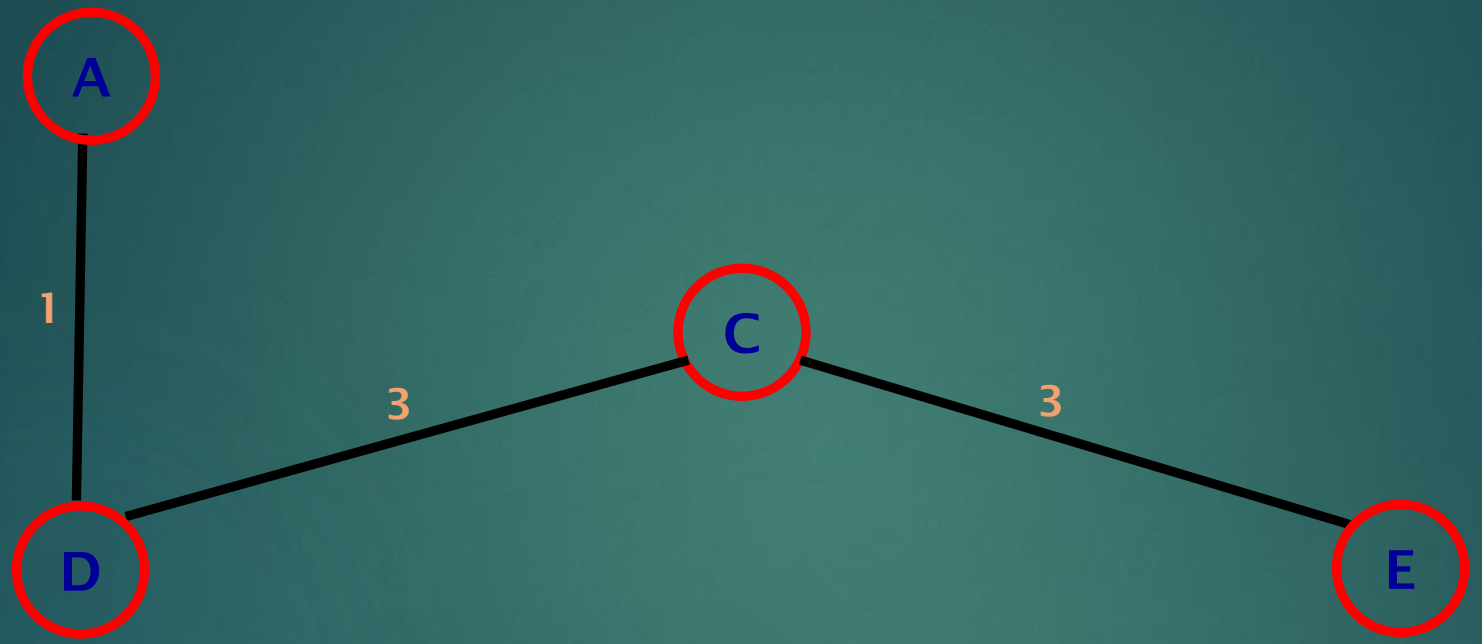


Question-2(Step-2)

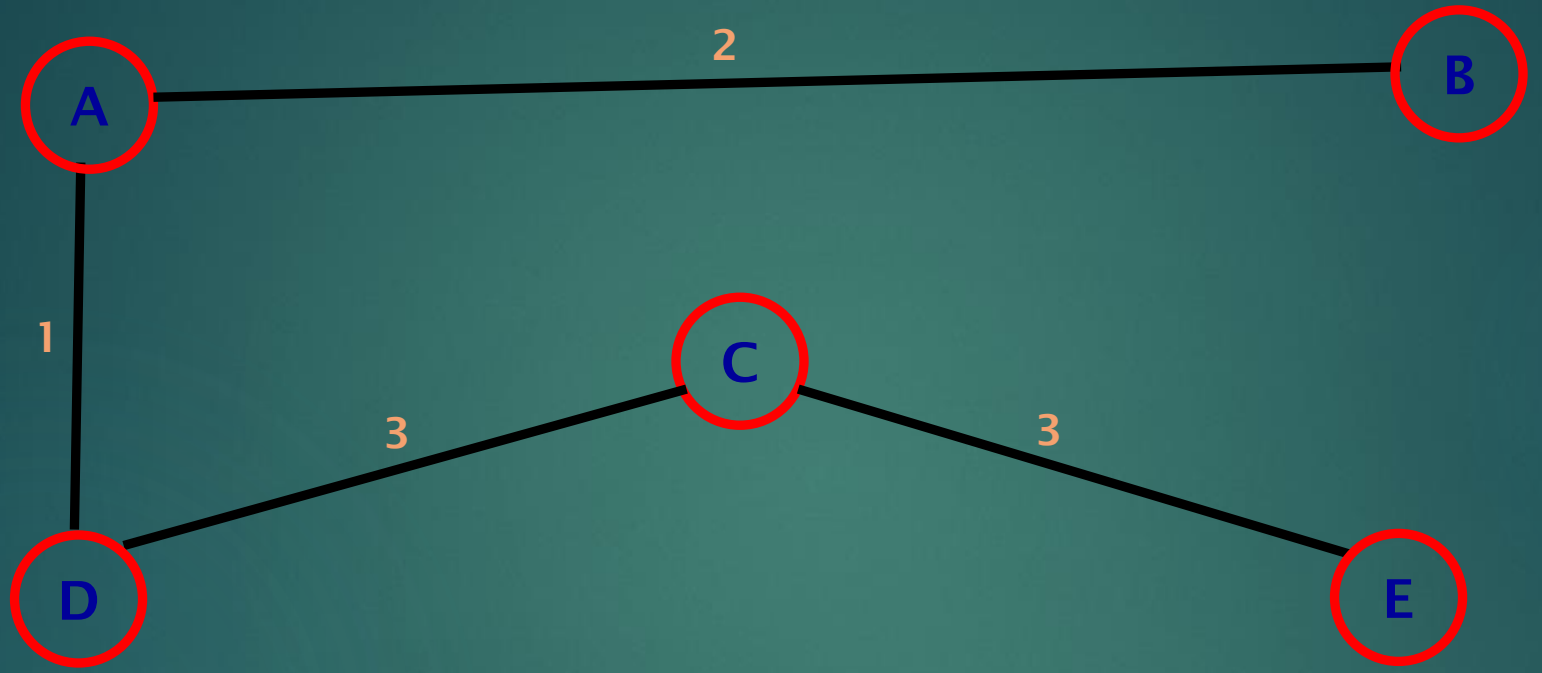
Question-2(Step-3)



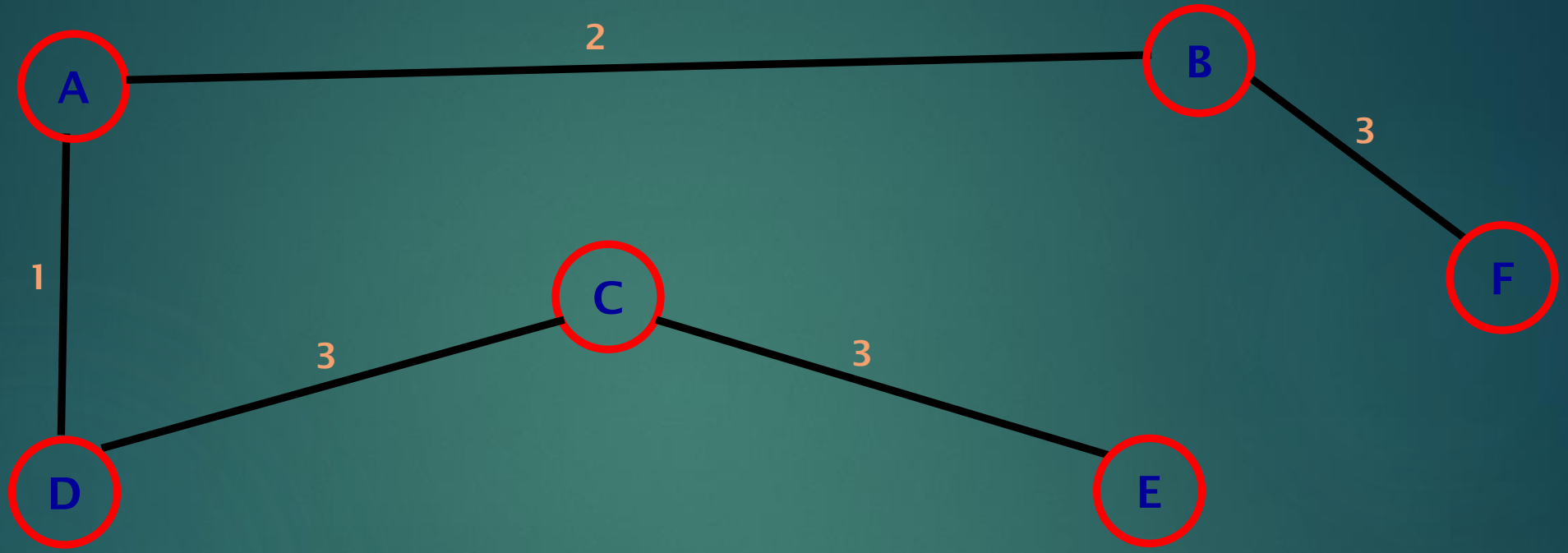
Question-2(Step 4)



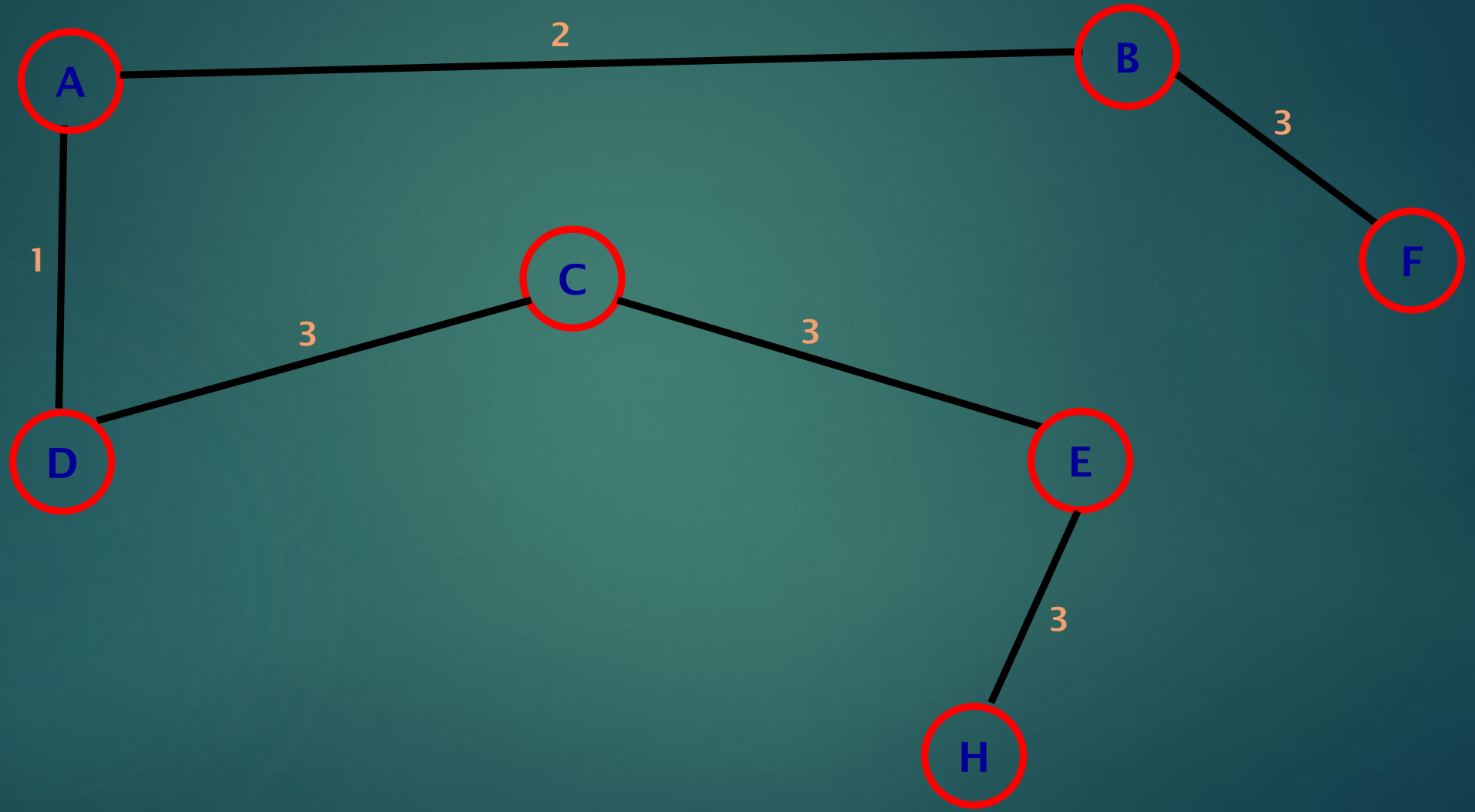
Question-2(Step-5)



Question-2(Step-6)



Question-2(Step-7)



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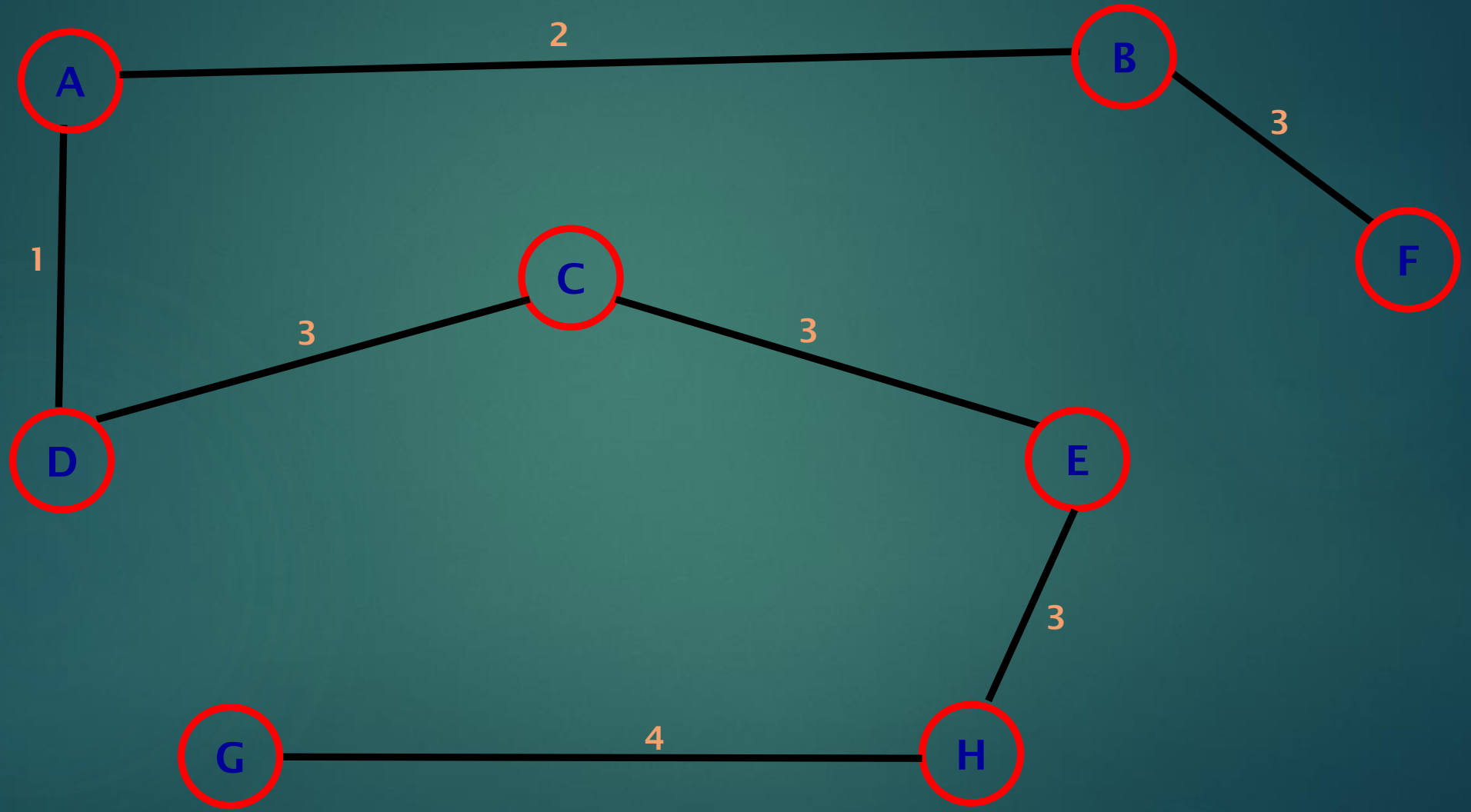
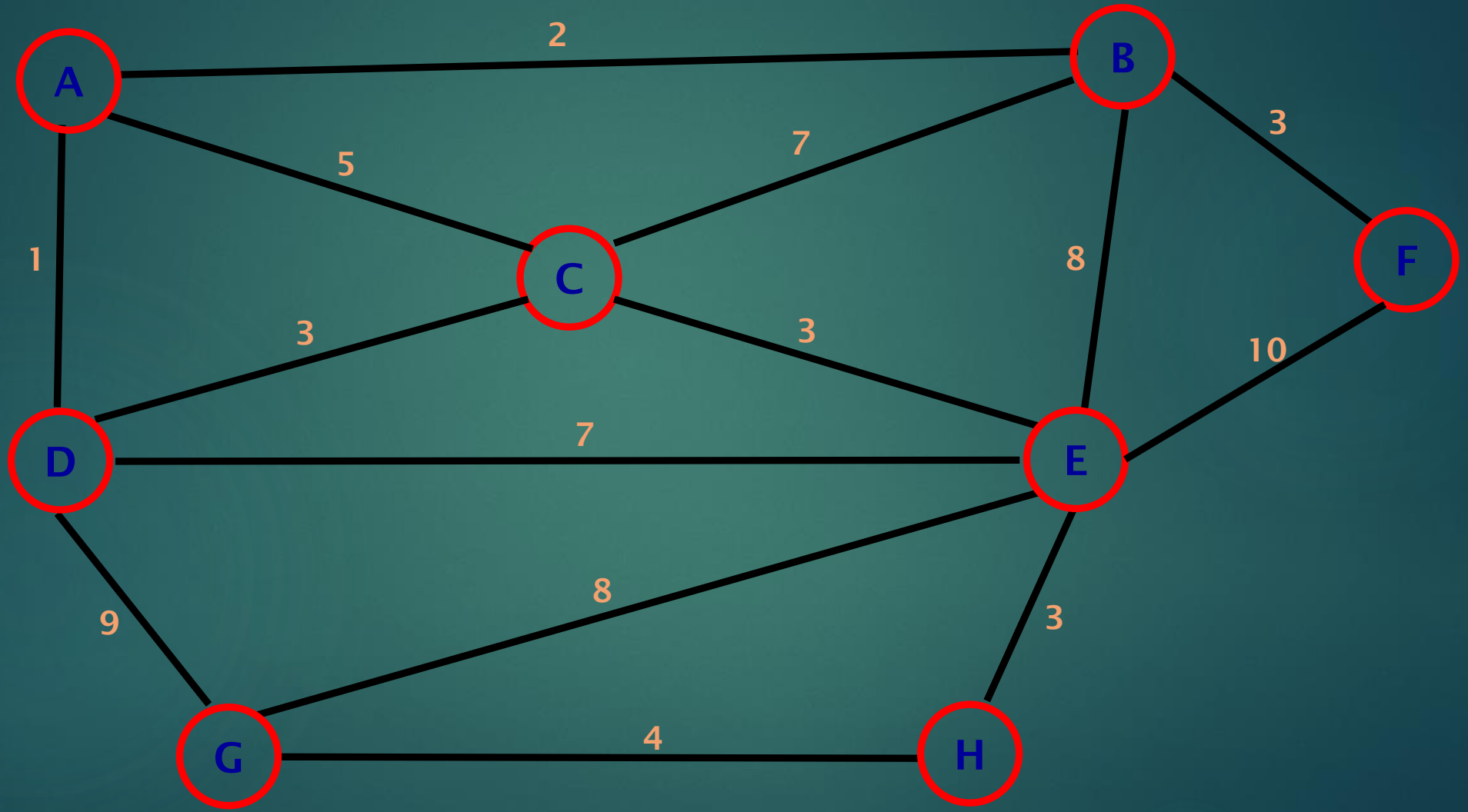
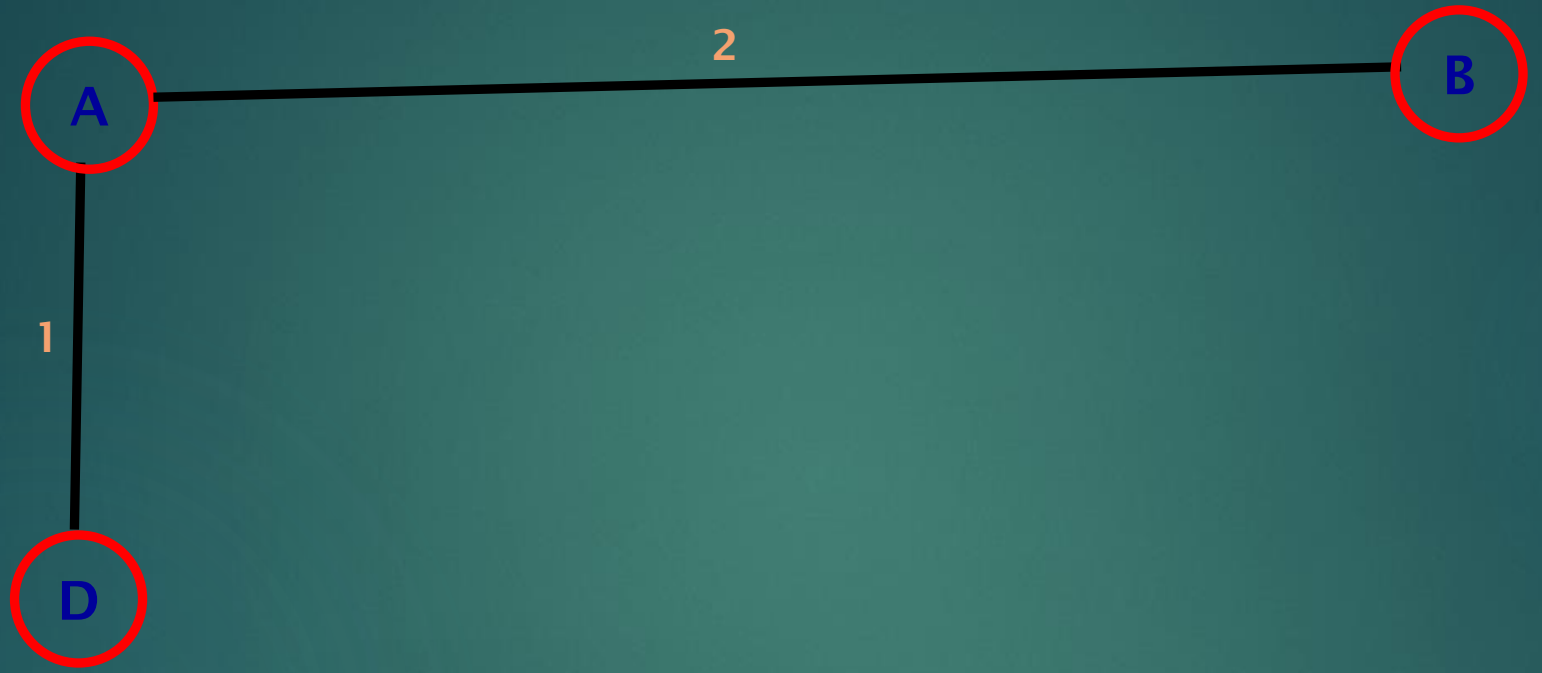


Question-3(Step-0)

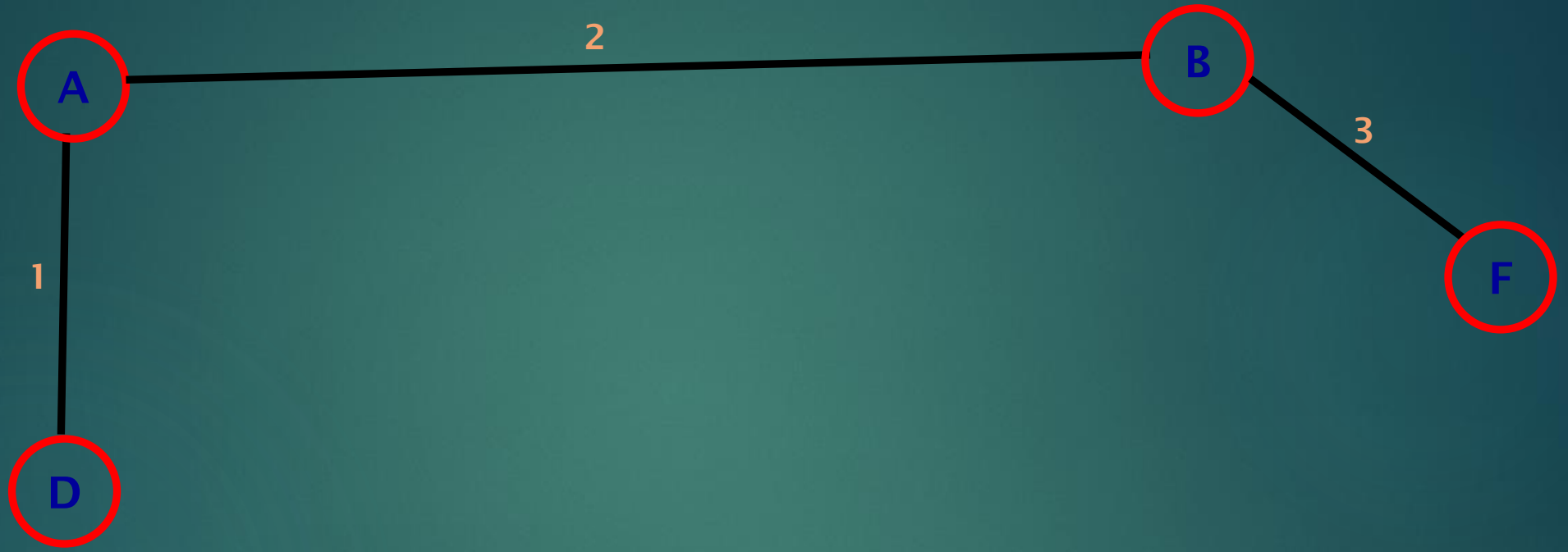


Question-3(Step-1)

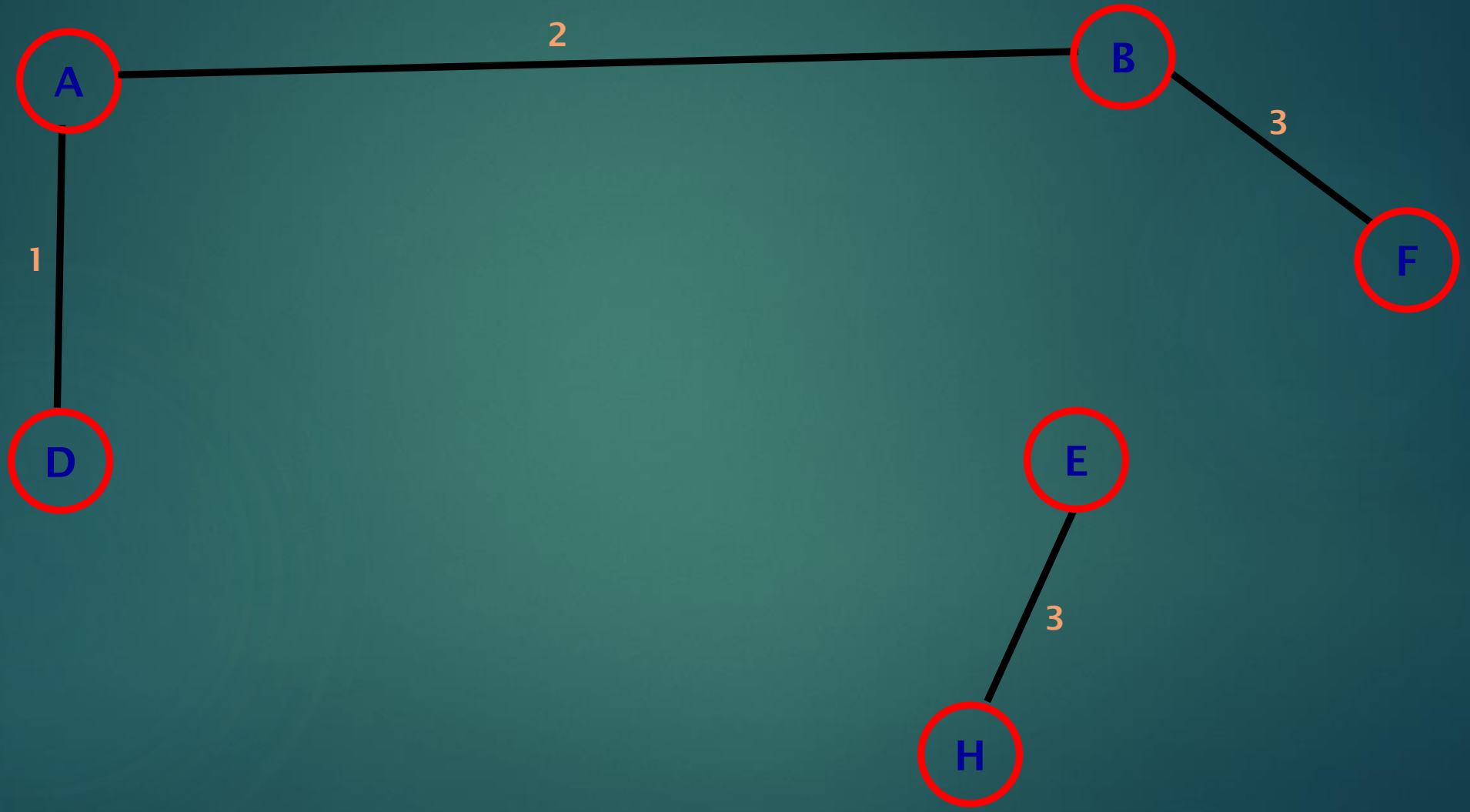
Question-3(Step-2)



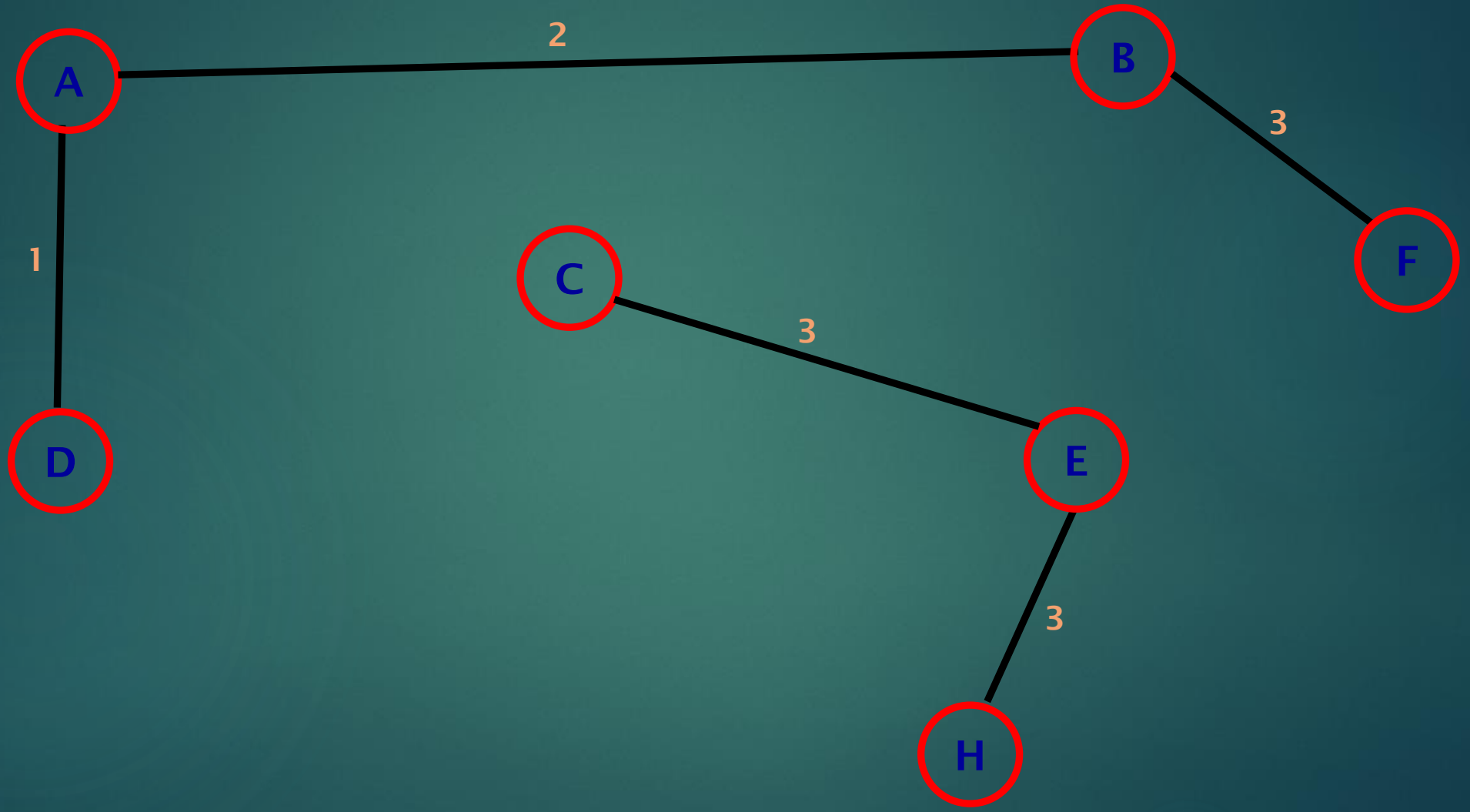
Question-3(Step-3)



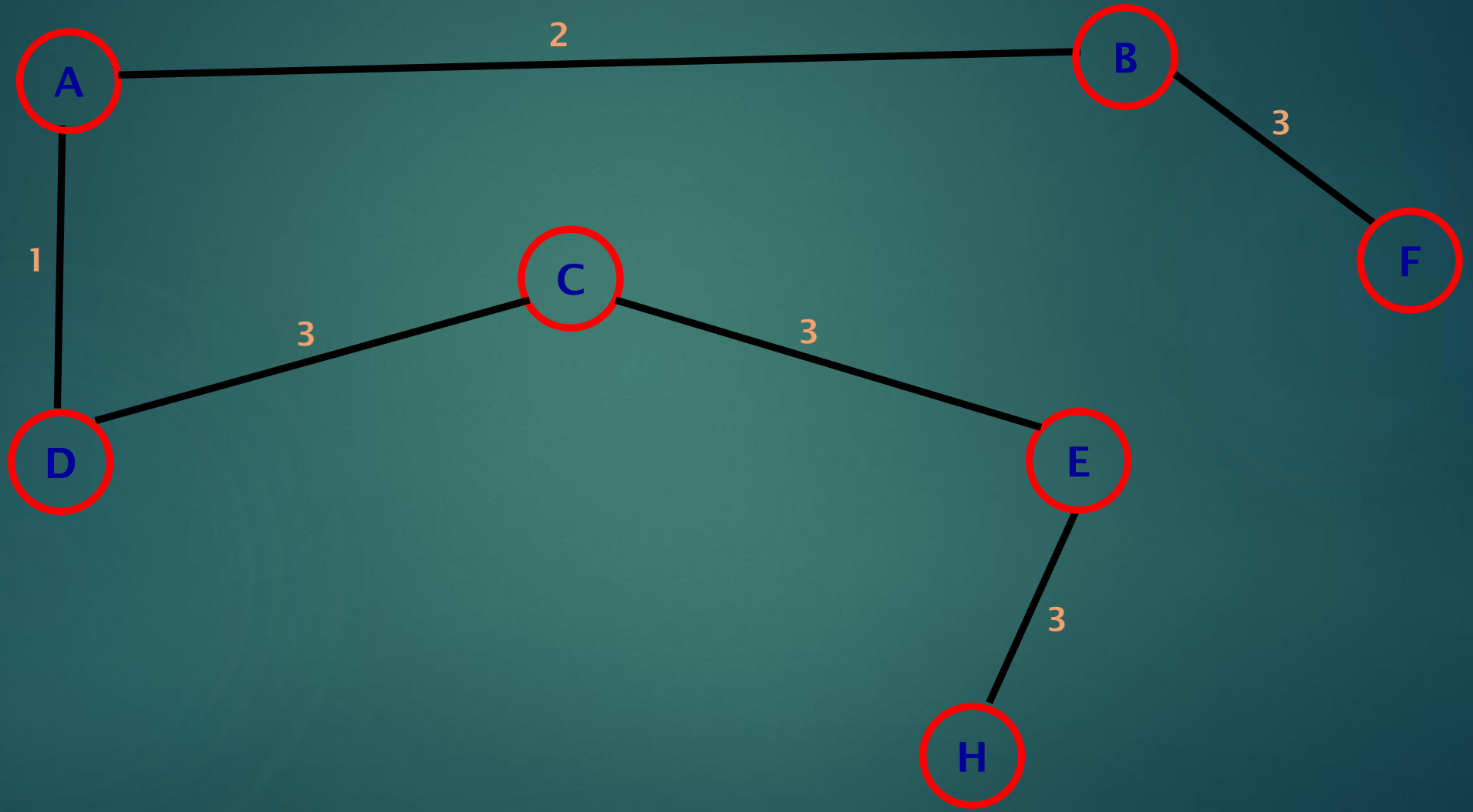
Question-3(Step-4)



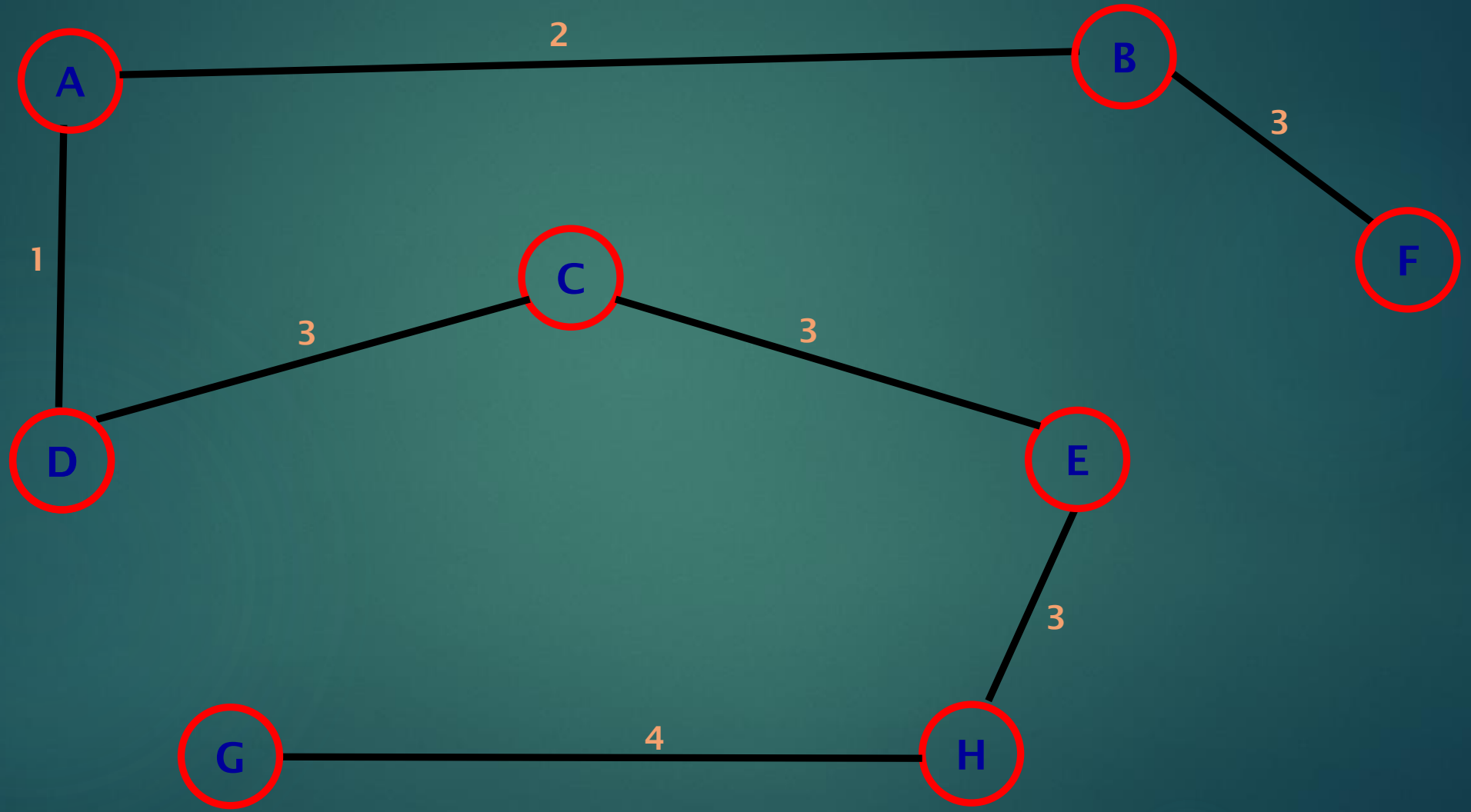
Question-3(Step-5)



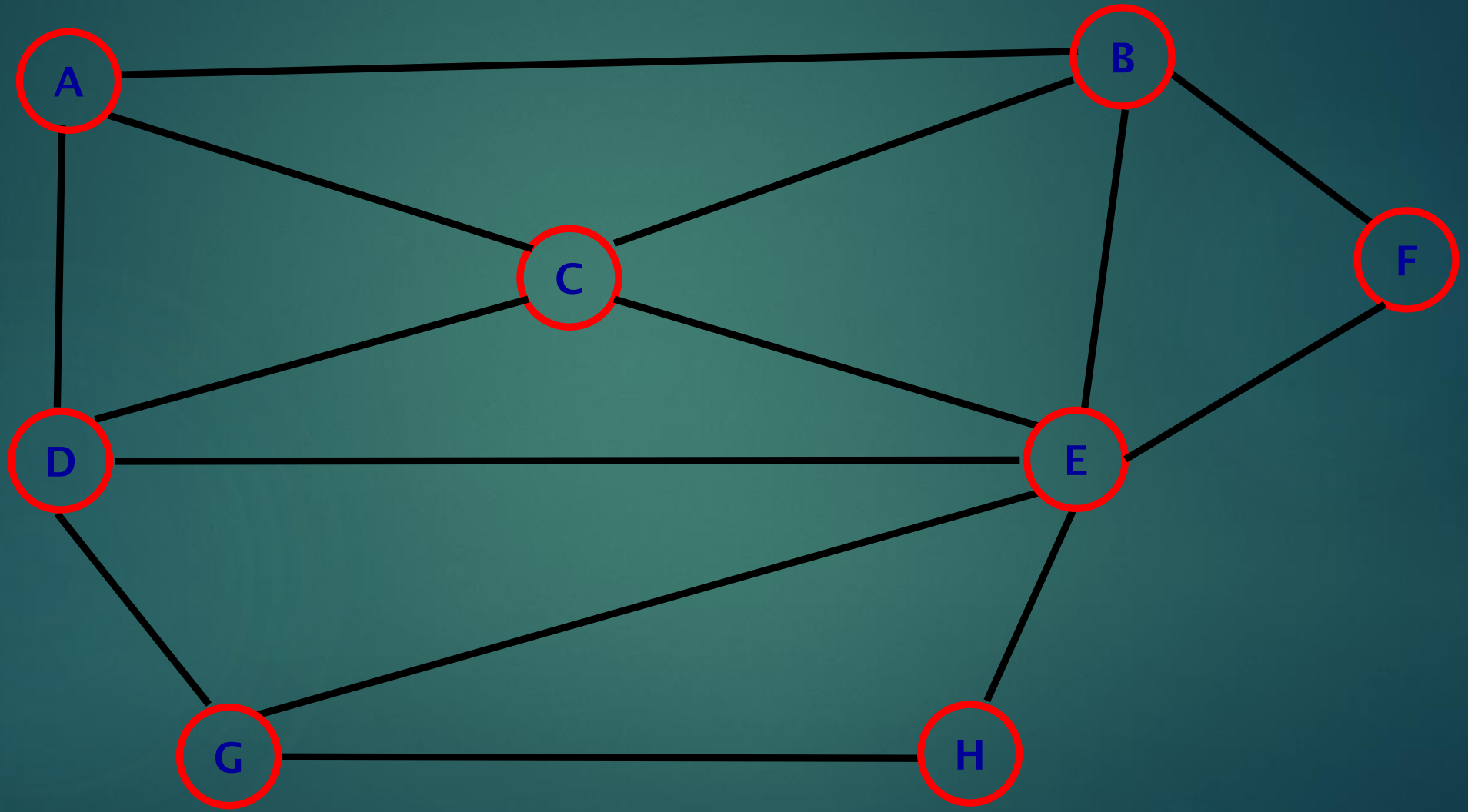
Question-3(Step-6)



Question-3(Step-7)



Question-4(Step-0)

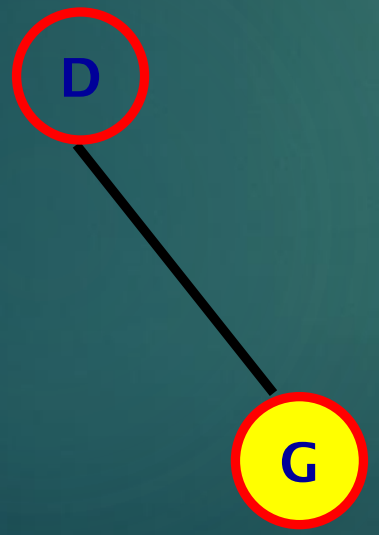


Question-4(Step-1)

Queue= [G]

BFS = G

Question-4(Step-2)



Queue= [D]

BFS = G,D

Question-4(Step-3)

Queue= [D,E]

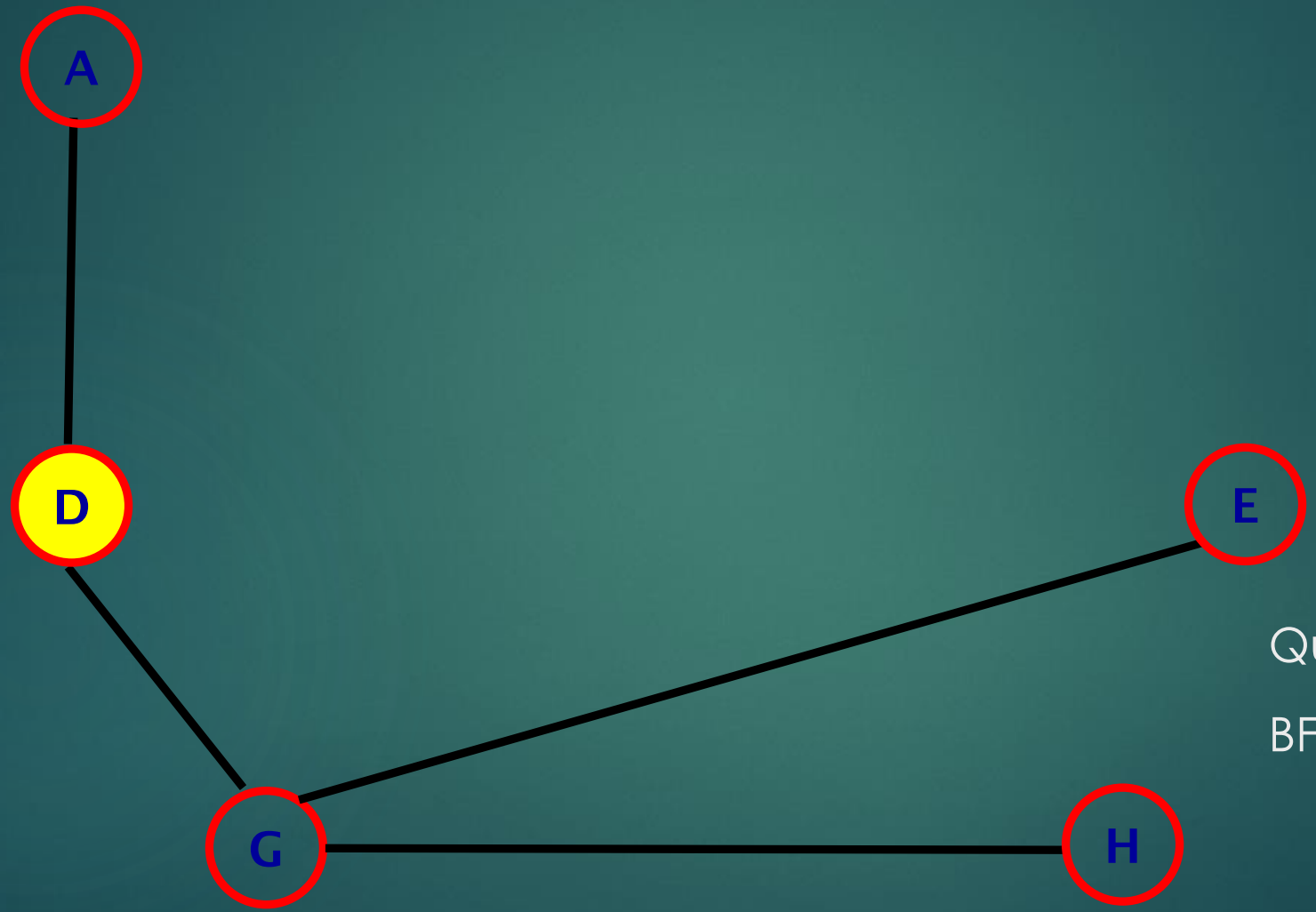
BFS = G,D,E

Question-4(Step-4)

Queue= [D,E,H]

BFS = G,D,E,H

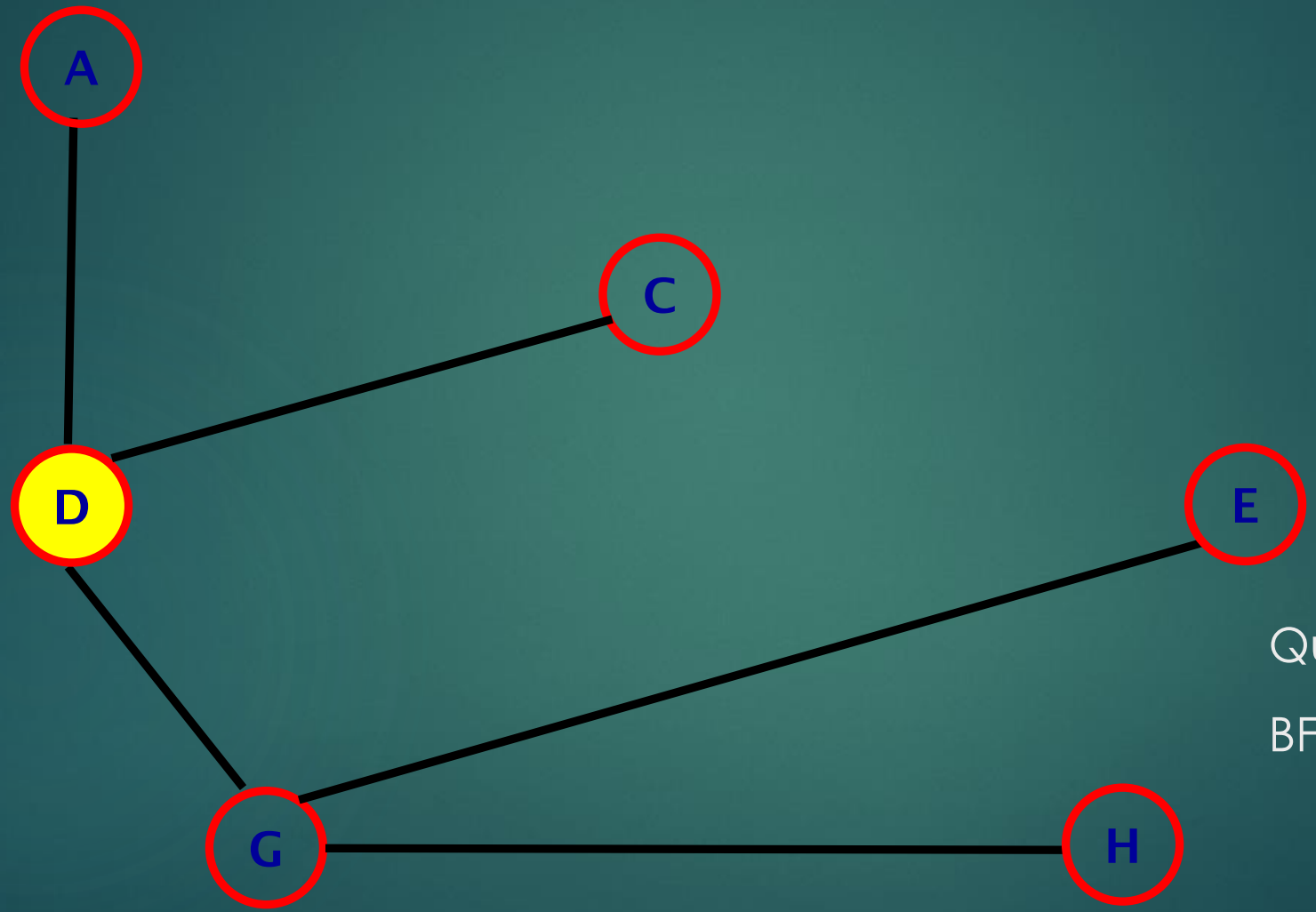
Question-4(Step-5)



Queue= [E,H,A]

BFS = G,D,E,H,A

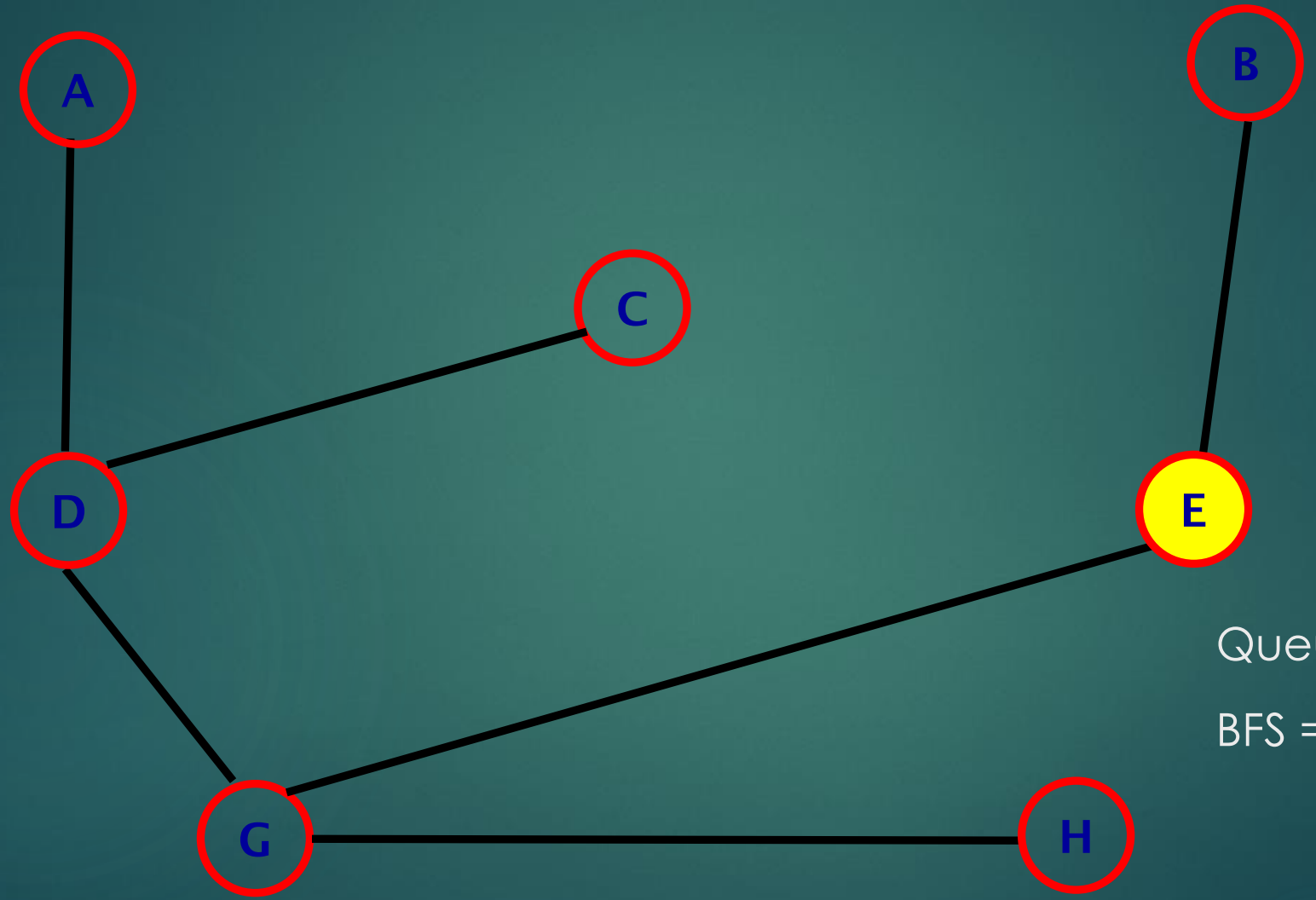
Question-4(Step-6)



Queue= [E,H,A,C]

BFS = G,D,E,H,A,C

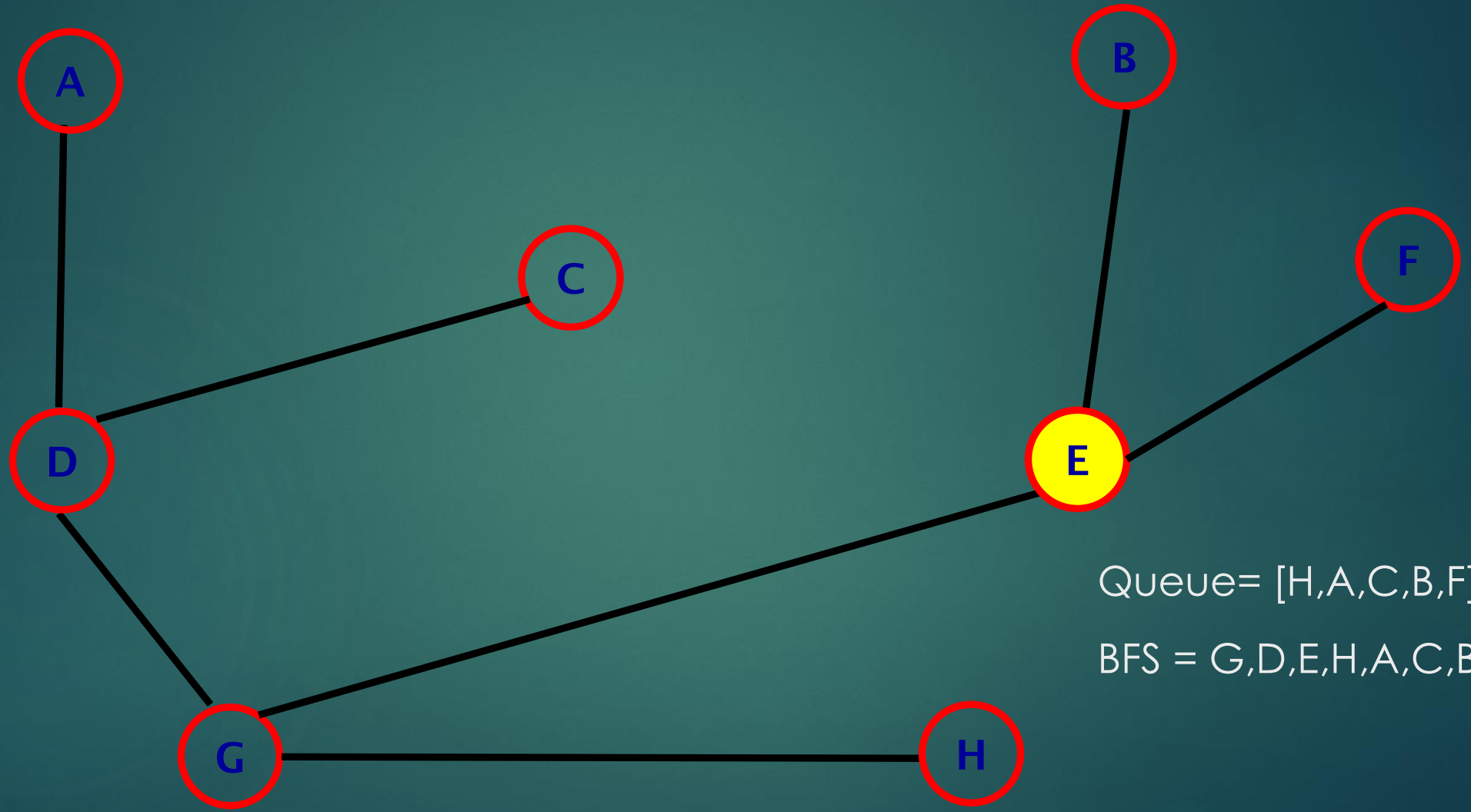
Question-4(Step-7)



Queue= [H,A,C,B]

BFS = G,D,E,H,A,C,B

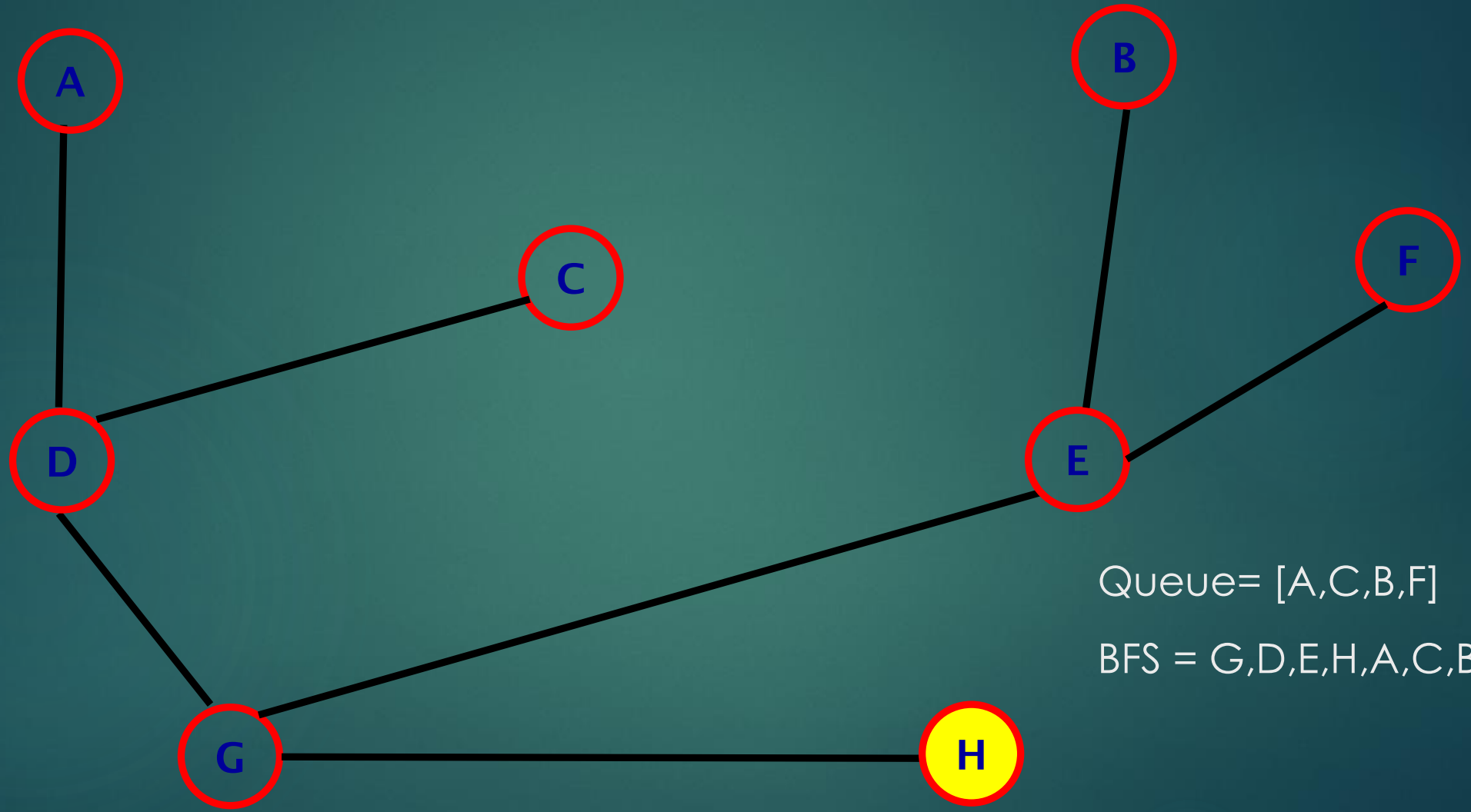
Question-4(Step-8)



Queue= [H,A,C,B,F]

BFS = G,D,E,H,A,C,B,F

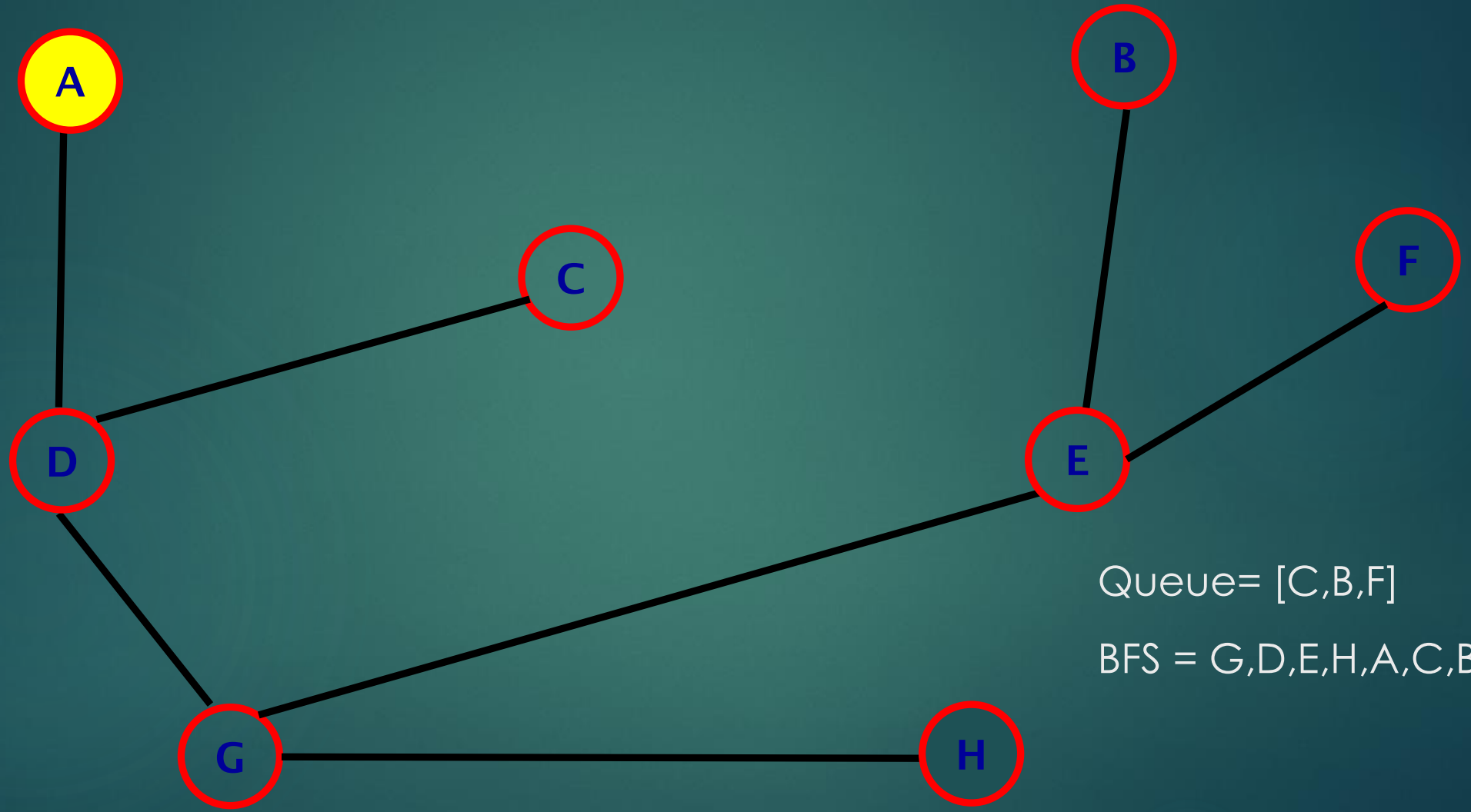
Question-4(Step-9)



Queue= [A,C,B,F]

BFS = G,D,E,H,A,C,B,F

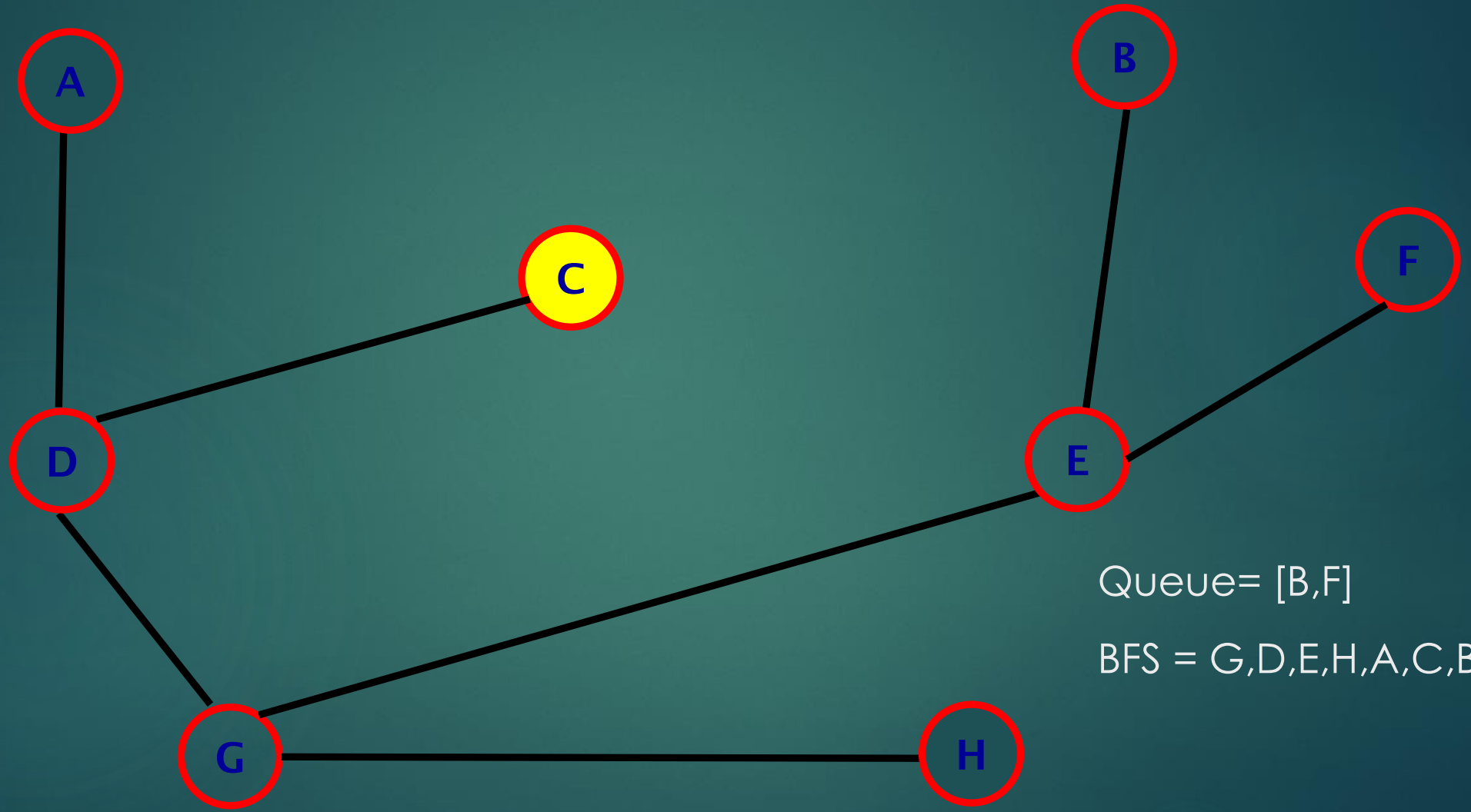
Question-4(Step-10)



Queue= [C,B,F]

BFS = G,D,E,H,A,C,B,F

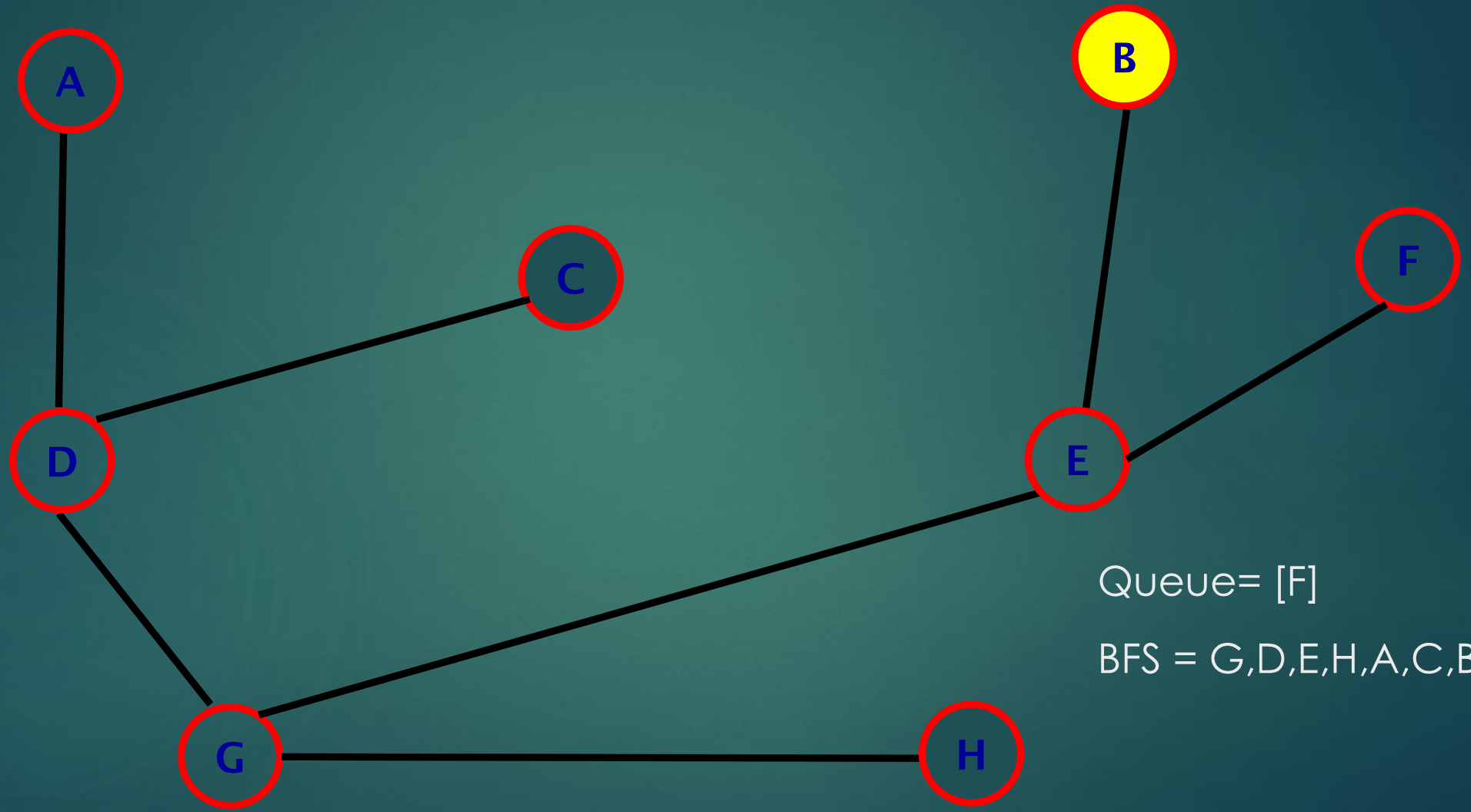
Question-4(Step-11)



Queue= [B,F]

BFS = G,D,E,H,A,C,B,F

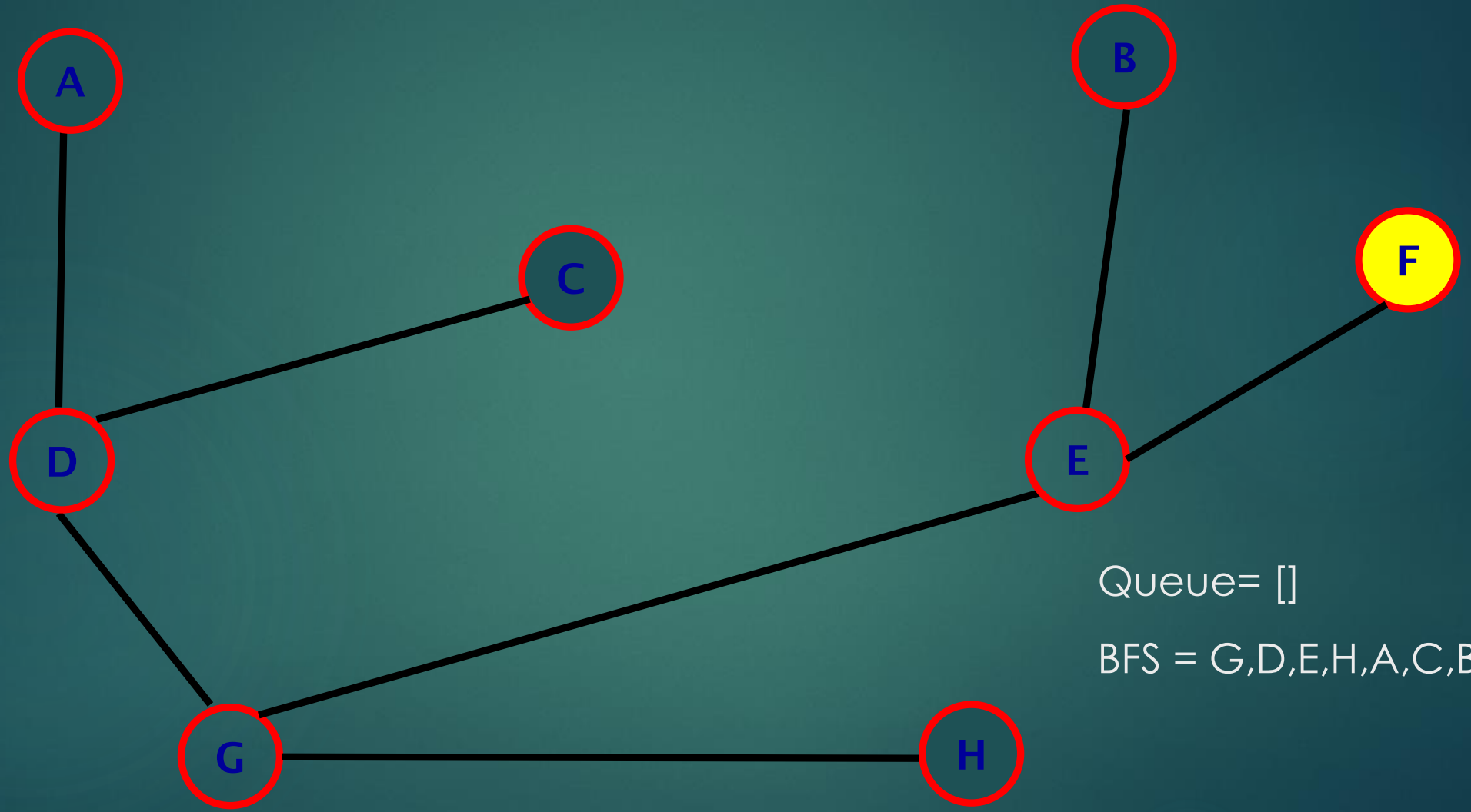
Question-4(Step-12)



Queue= [F]

BFS = G,D,E,H,A,C,B,F

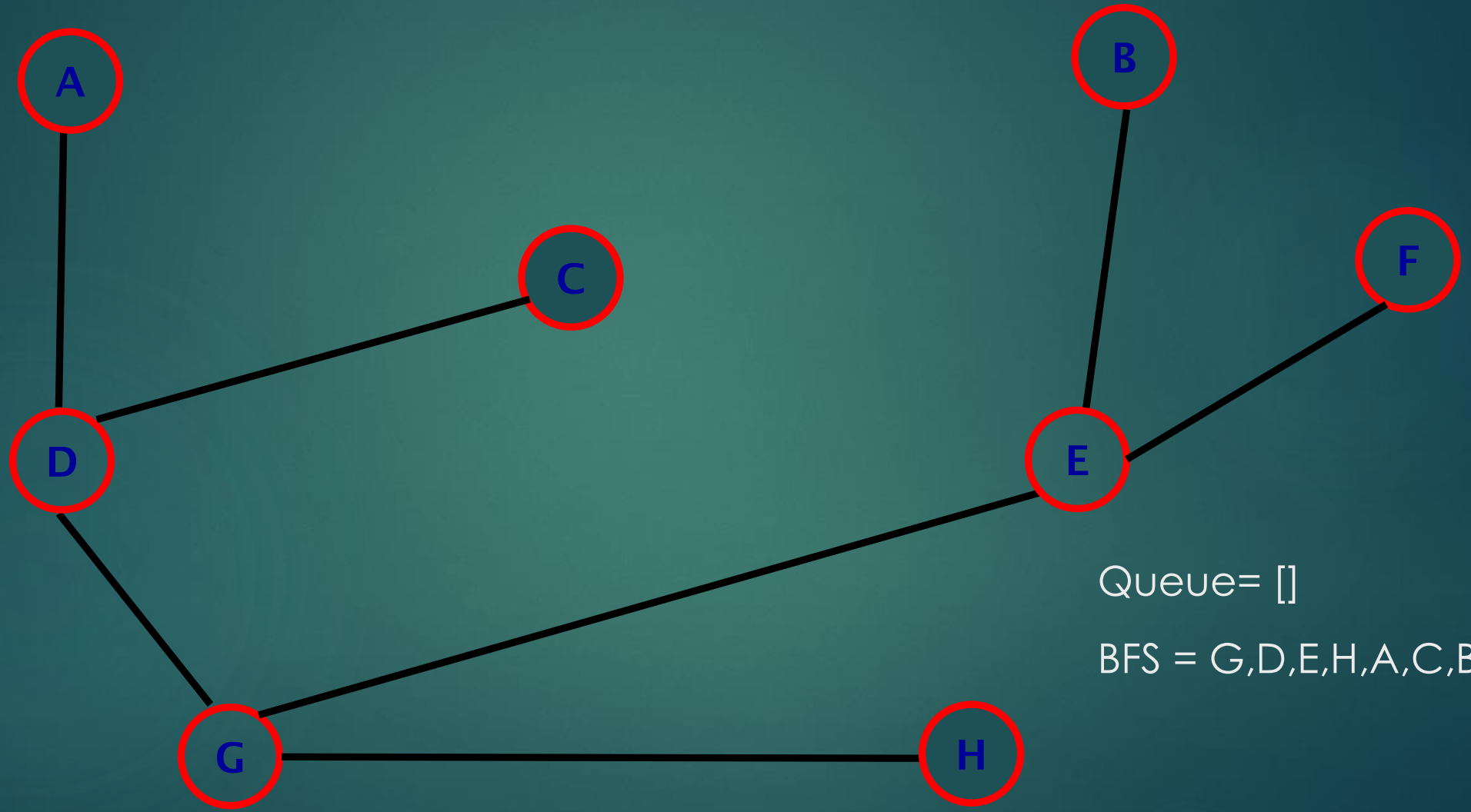
Question-4(Step-13)



Queue= []

BFS = G,D,E,H,A,C,B,F

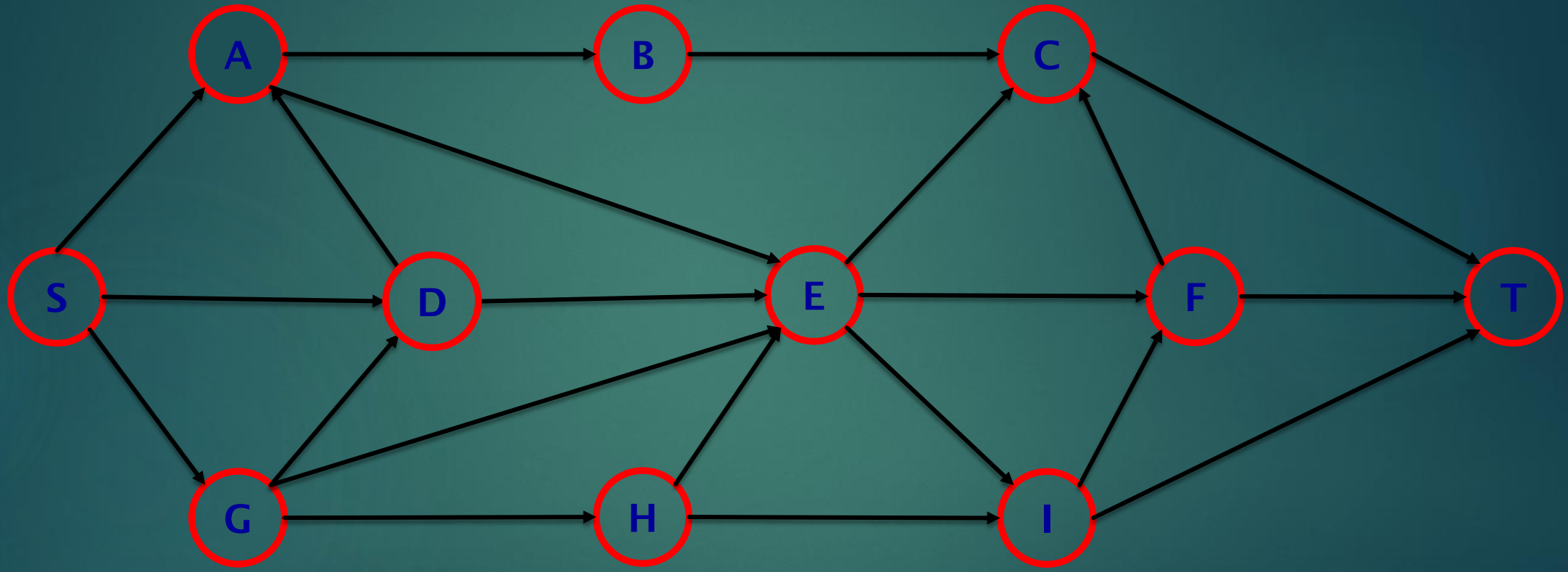
Question-4(Step-14)



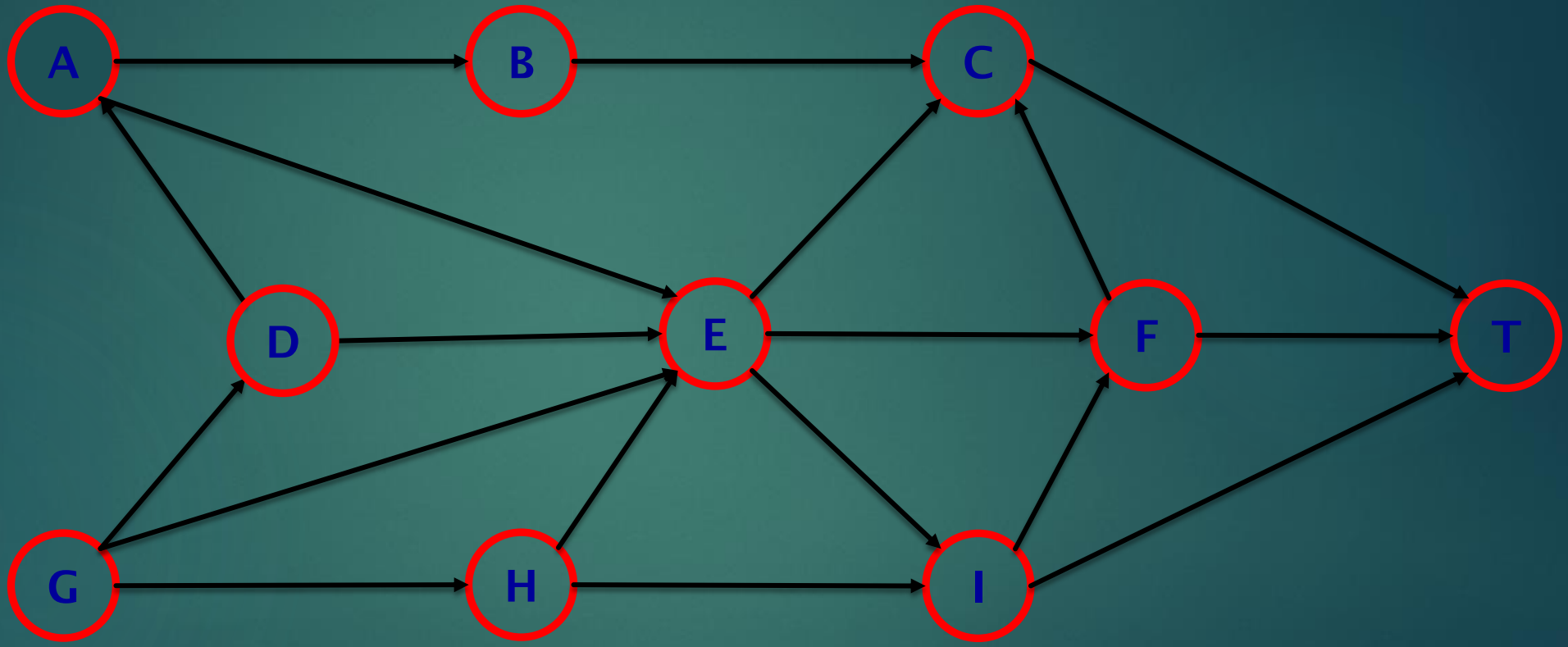
Queue= []

BFS = G,D,E,H,A,C,B,F

Question-5(Step-0)

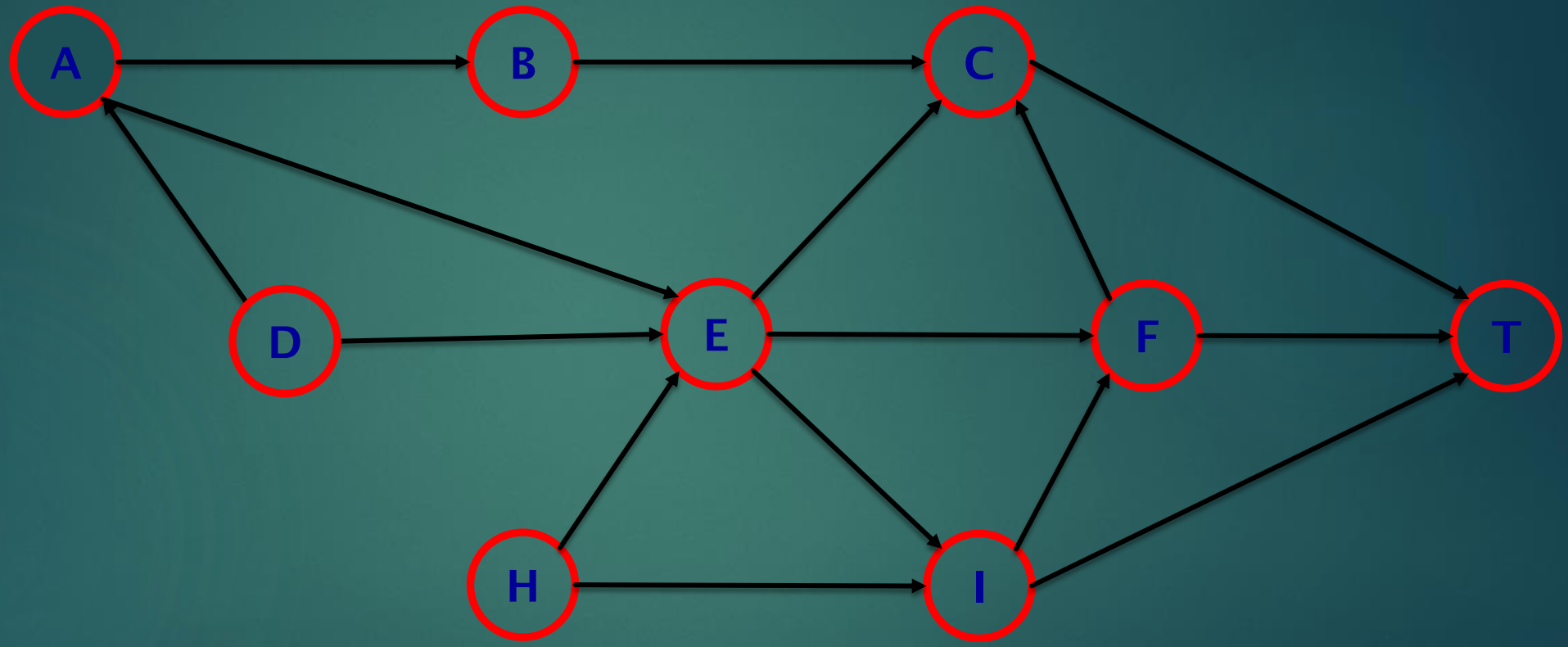


Question-5(Step-1)



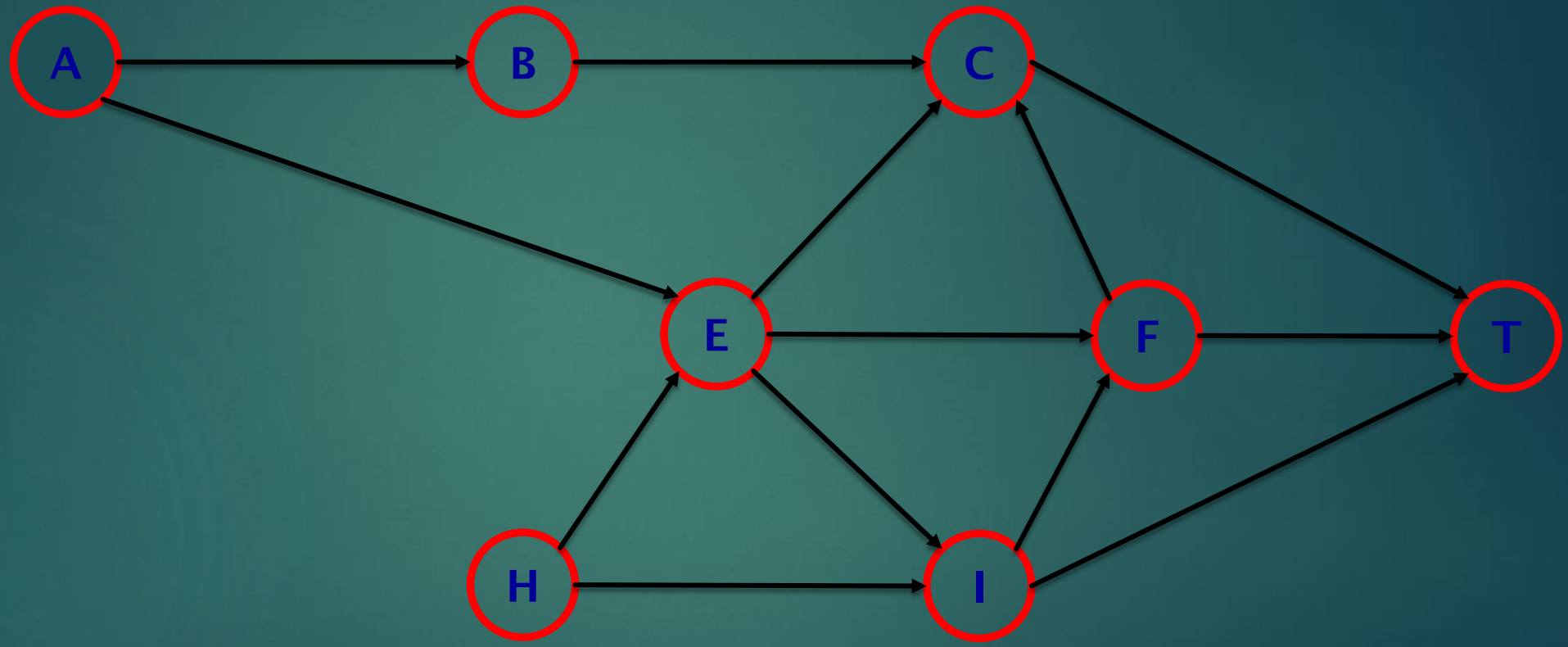
Processed: S,

Question-5(Step-2)



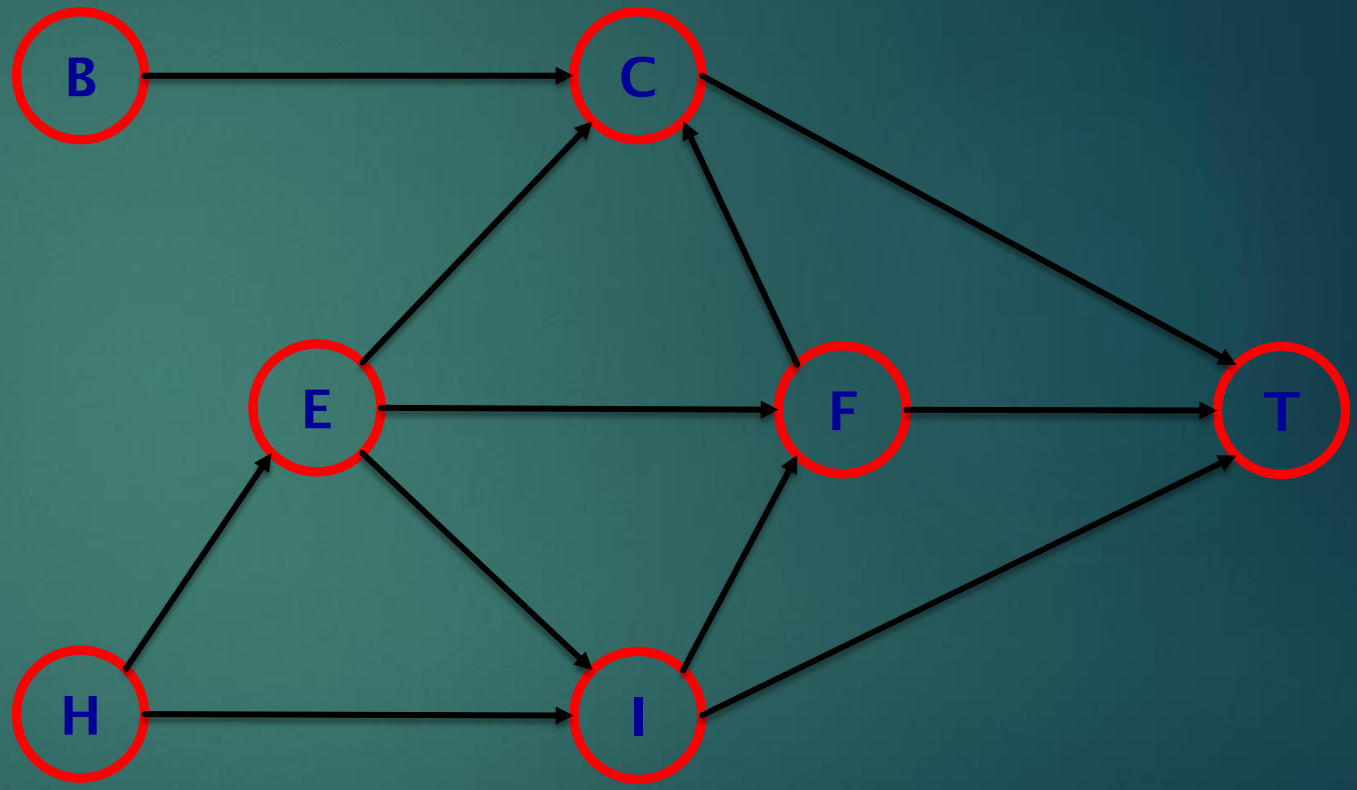
Processed: S,G

Question-5(Step-3)



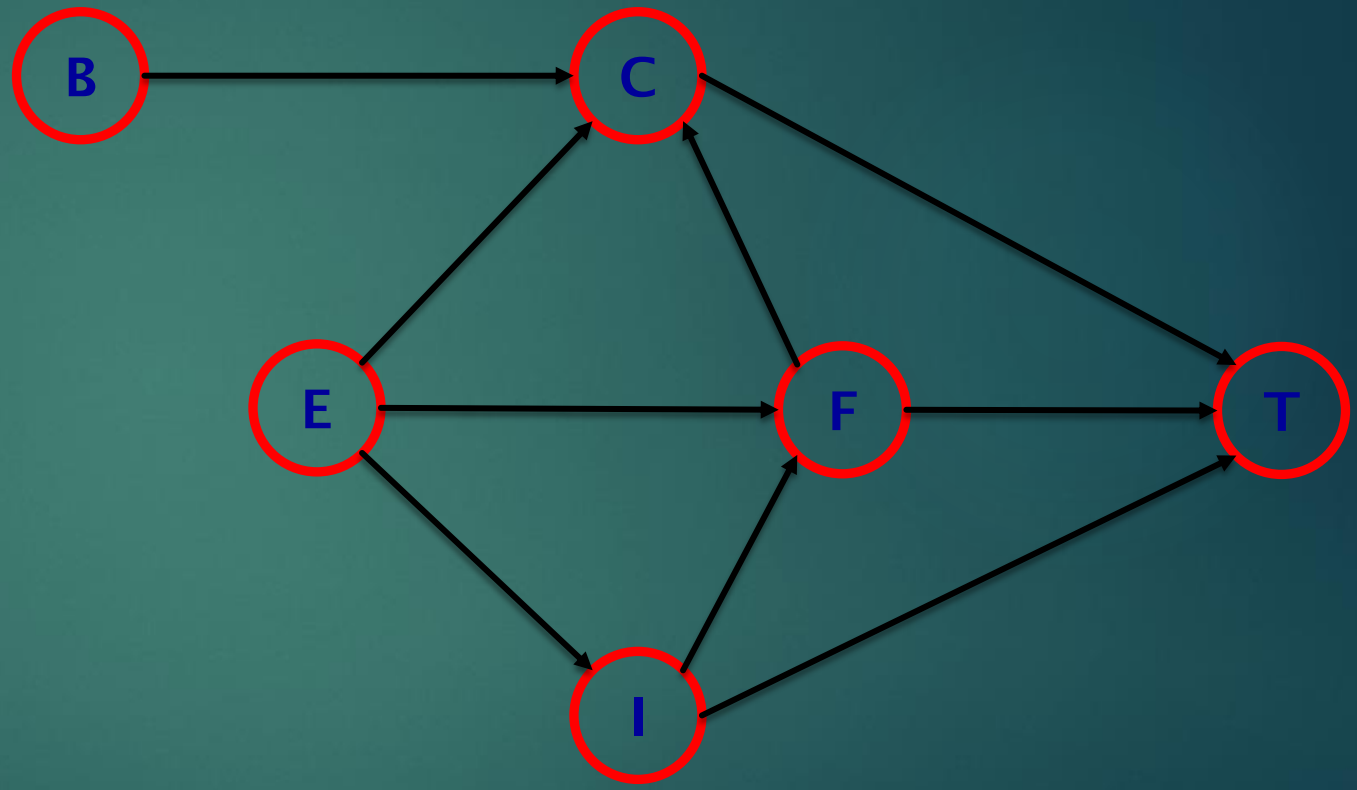
Processed: S,G,D

Question-5(Step-4)



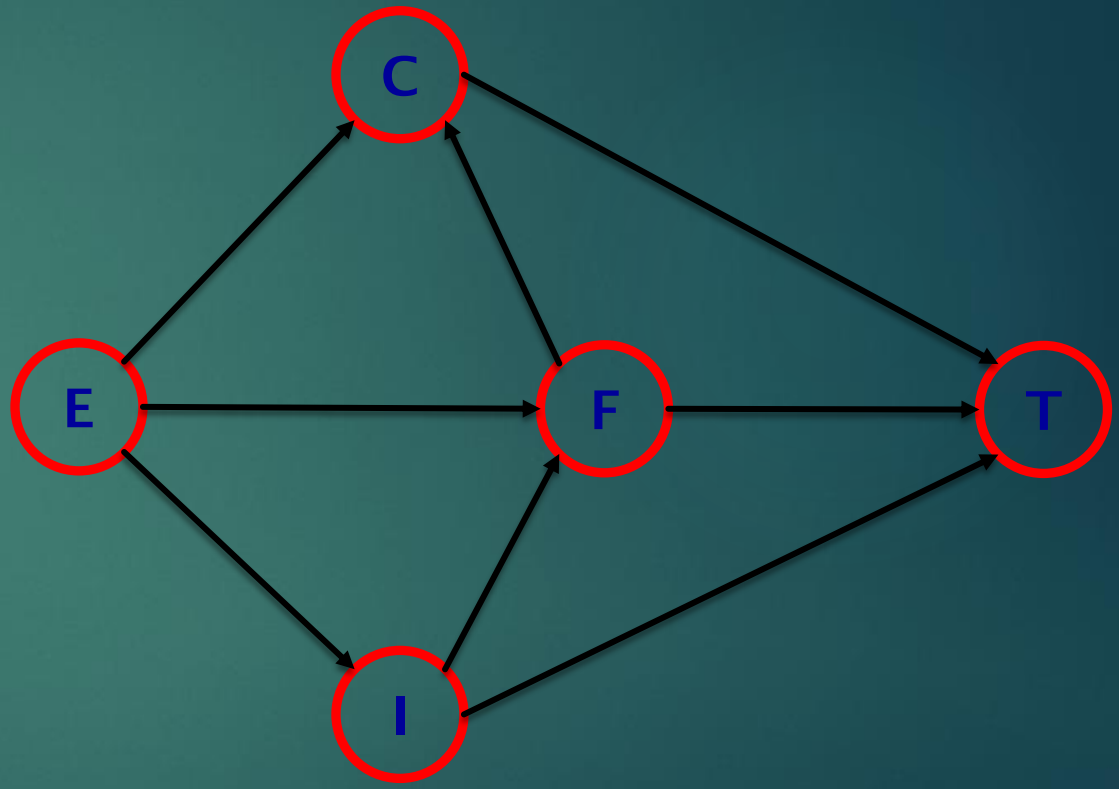
Processed: S,G,D,A

Question-5(Step-5)



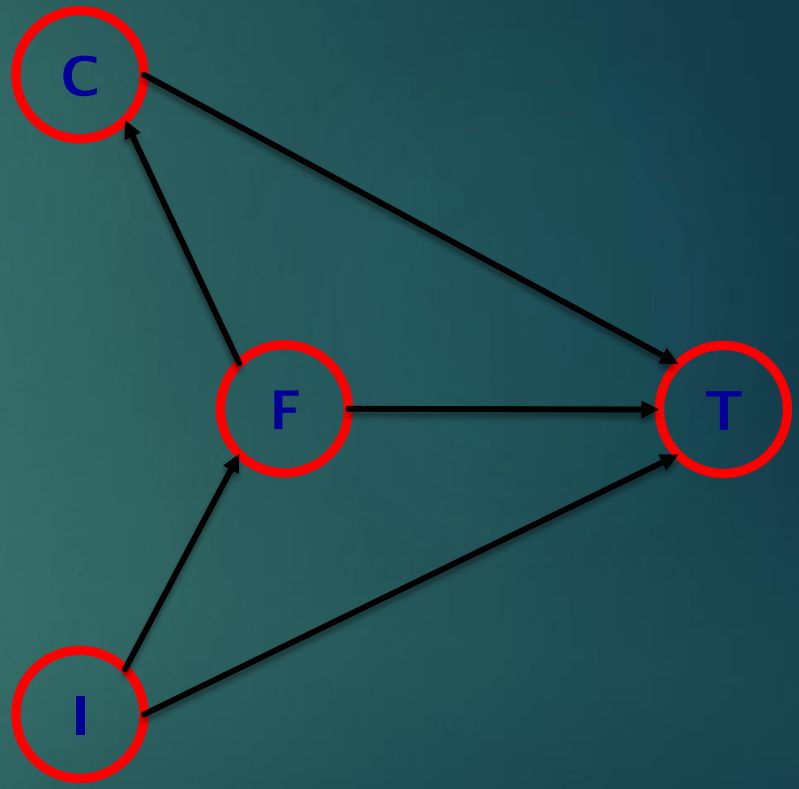
Processed: S,G,D,A,H

Question-5(Step-6)



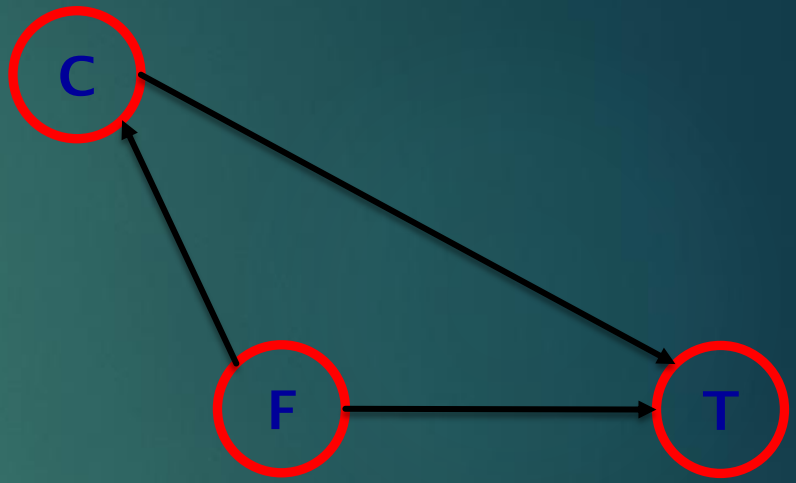
Processed: S,G,D,A,H,B

Question-5(Step-7)



Processed: S,G,D,A,H,B,E

Question-5(Step-8)



Processed: S,G,D,A,H,B,E,I

Question-5(Step-9)

Processed: S,G,D,A,H,B,E,I,F

Question-5(Step-10)

T

Processed: S,G,D,A,H,B,E,I,F,C

Question-5(Step-11)

Processed: S,G,D,A,H,B,E,I,F,C,T