Design Recipes

Systematic Program Design - Part 3

Glossarv

Course > 11: Graphs > Problem: reachable? > Questions 2-5

< Previous **■** •

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Style Rules Discussion

Ø.

Progress

•

Next >

Questions 2-5

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Language Problem Bank

Question 2

1/1 point (graded)

Our template with the new accumulator now looks like this. The places where rsf can be updated have been numbered 1 through 4:

What should replace $(\dots rsf)$ in position 1?

0 0

G rsf

C (sub1 rsf)

C (add1 rsf)



Explanation

In this case, the curent room is alread in visited so we have been there before. This means we have already counted it and should not count it again, so we just pass rsf to fn-for-lor.

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Question 3

1/1 point (graded)

What should replace (... rsf) in position 2?

O 0

C rsf

C (sub1 rsf)



Explanation

In this case, we have not previously been to this room, so we need to add one to our count.

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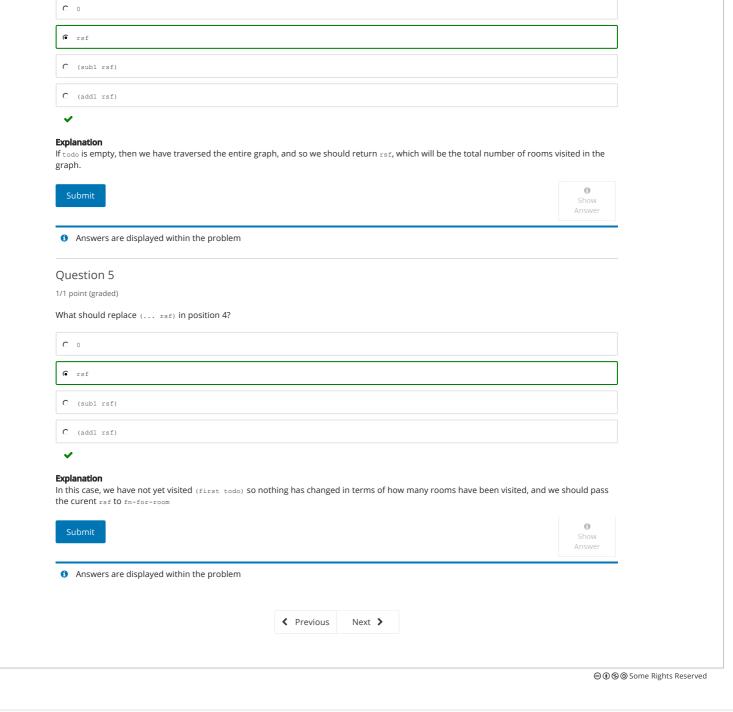
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Question 4

1/1 point (graded)

What should replace $(\dots rsf)$ in position 3?





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