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 / [Quiz 14 — May 11 from 10:50 to 11:00 \(10 minutes\)](#)

Started on Wednesday, 11 May 2022, 10:50 AM

State Finished

Completed on Wednesday, 11 May 2022, 10:54 AM

Time taken 3 mins 57 secs

Marks 1.75/2.00

Grade 8.75 out of 10.00 (88%)

Question 1

Correct

Mark 1.00 out of 1.00

True or False? The STG language assumes the self-updating closure representation model.

Select one:

- ☒ True ✓
☐ False

The correct answer is 'True'.

Question 2

Partially correct

Mark 0.75 out of 1.00

In the STG language, which of the following closures can be safely made non-updatable?

- ☐ a. $\{x,y\} \setminus u \{\} \rightarrow \text{constr } \{\}$ where `constr` is a constructor
- ☒ b. $\{x,y\} \setminus u \{z,w\} \rightarrow e$ ✓
- ☒ c. $\{x,y\} \setminus u \{\} \rightarrow f \{x\}$ where `f` is a function of 3 arguments ✓
- ☒ d. $\{x,y\} \setminus u \{\} \rightarrow \text{constr } \{y, x\}$ where `constr` is a constructor ✓
- ☒ e. $\{x,y\} \setminus u \{\} \rightarrow f \{x,y\}$ where `f` is a function of 2 arguments ✗
- ☐ f. $\{x,y\} \setminus u \{\} \rightarrow \text{let } z = \{\} \setminus n \{\} \rightarrow y \text{ in } \text{constr } \{x,z\}$ where `constr` is a constructor
- ☐ g. $\{x,y\} \setminus u \{\} \rightarrow \text{let } z = \{\} \setminus n \{\} \rightarrow y \text{ in } f \{x,z\}$ where `f` is a function of 2 arguments

Your answer is partially correct.

You have correctly selected 3.

The correct answers are: $\{x,y\} \setminus u \{z,w\} \rightarrow e$, $\{x,y\} \setminus u \{\} \rightarrow \text{constr } \{y, x\}$ where `constr` is a constructor, $\{x,y\} \setminus u \{\} \rightarrow \text{constr } \{\}$ where `constr` is a constructor, $\{x,y\} \setminus u \{\} \rightarrow f \{x\}$ where `f` is a function of 3 arguments

◀ Quiz 13 — May 5 from 9:10 to 9:20 (10 minutes)

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