OMG-OCSMP-MBI300 Q&As

OMG-Certified Systems Modeling Professional - Model Builder – Intermediate

Pass OMG OMG-OCSMP-MBI300 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.geekcert.com/omg-ocsmp-mbi300.html

100% Passing Guarantee
100% Money Back Assurance

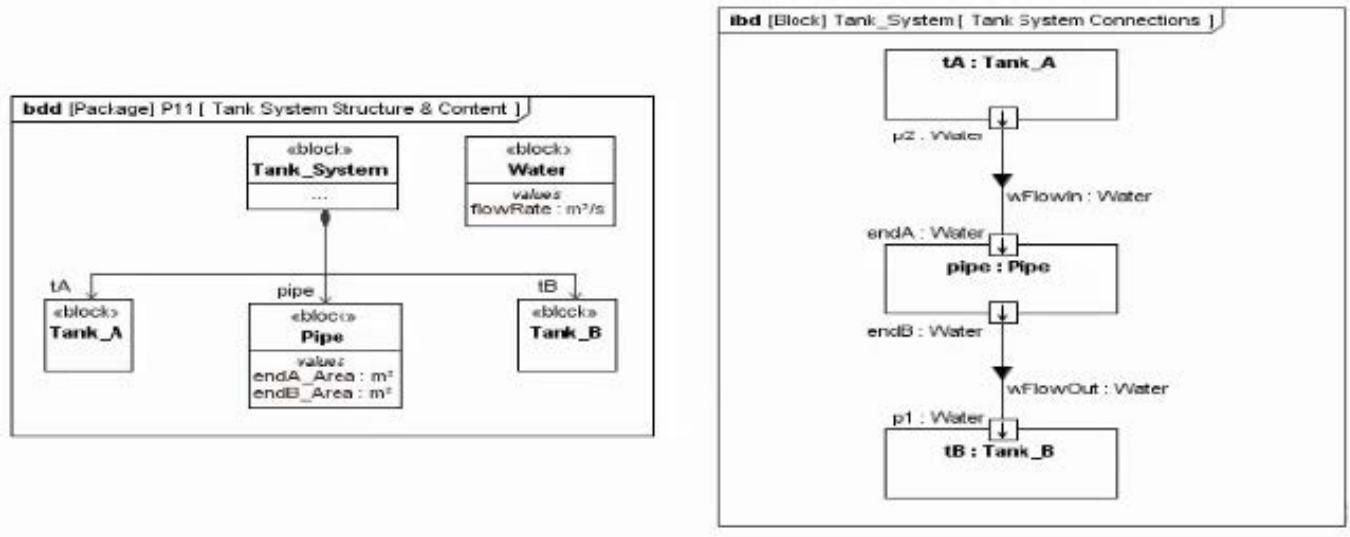
Following Questions and Answers are all new published by OMG Official Exam Center

- **Instant Download** After Purchase
- **100% Money Back** Guarantee
- **365 Days** Free Update
- **800,000+** Satisfied Customers

QUESTION 1

Choose the correct answer.

A system engineer has created the following model of a tank system composed of two tanks and a pipe connecting them:



The system engineer wants to mathematically relate the flow of water through the pipe using the following mass conservation equation: Tank_System wFlowin flowRate * Tank_System pipe endA_Area = Tank_System wFlowOut flowRate * Tank_System pipe endB_Area How would the system engineer model this in SysML?

A. Create a block to represent the mass conservation equation, use it in Tank_System. and relate its properties to the properties of wFlowin. wFlowOut. and pipe

B. Create a constraint block to represent the mass conservation equation, use it in Tank_System. and relate its parameters to the properties of wFiowin. wFlowOut. and pipe

C. Create a constraint block to represent each of wFlowin wFlowOut and the mass conservation equation; use these constraint blocks In Tank_System. and relate their parameters to the properties of pipe.

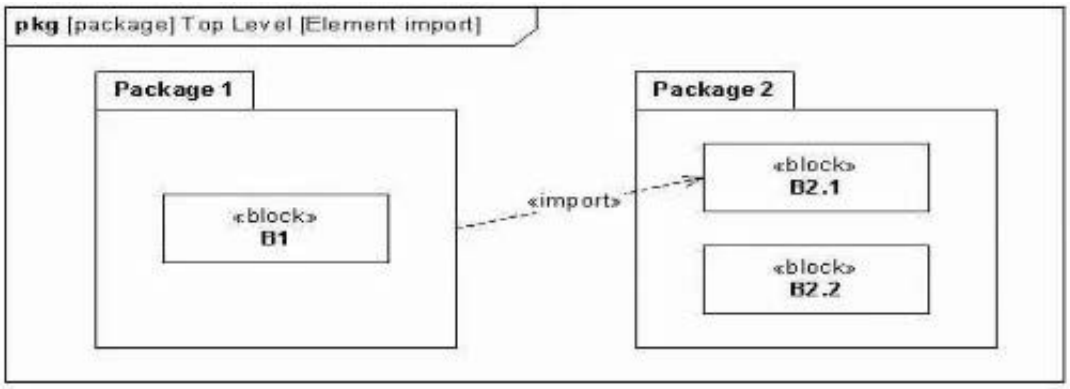
D. Create two flow properties for Tank_System (equivalent to wFlowin and wFlowOut); create a constraint block for the mass conservation equation and use it in Tank_System.and then relate the flow properties to the new constraint property.

E. It is not possible to model this because wFlowin and wFlowOut are item properties and not flow properties

Correct Answer: C

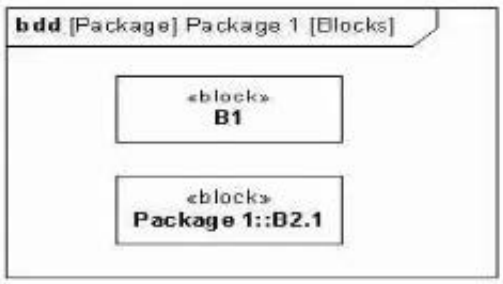
QUESTION 2

Choose the correct answer. Given the following diagram:

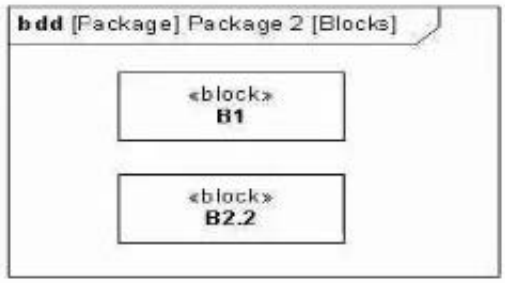


Which diagram is correct?

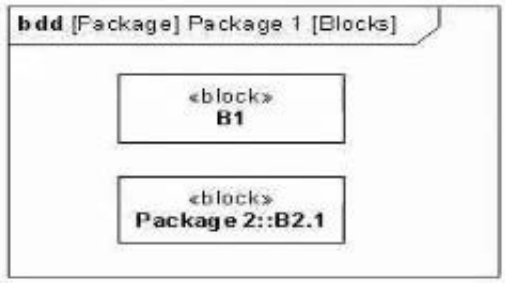
A.



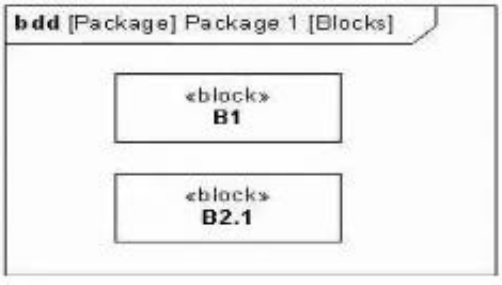
B.



C.



D.



A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

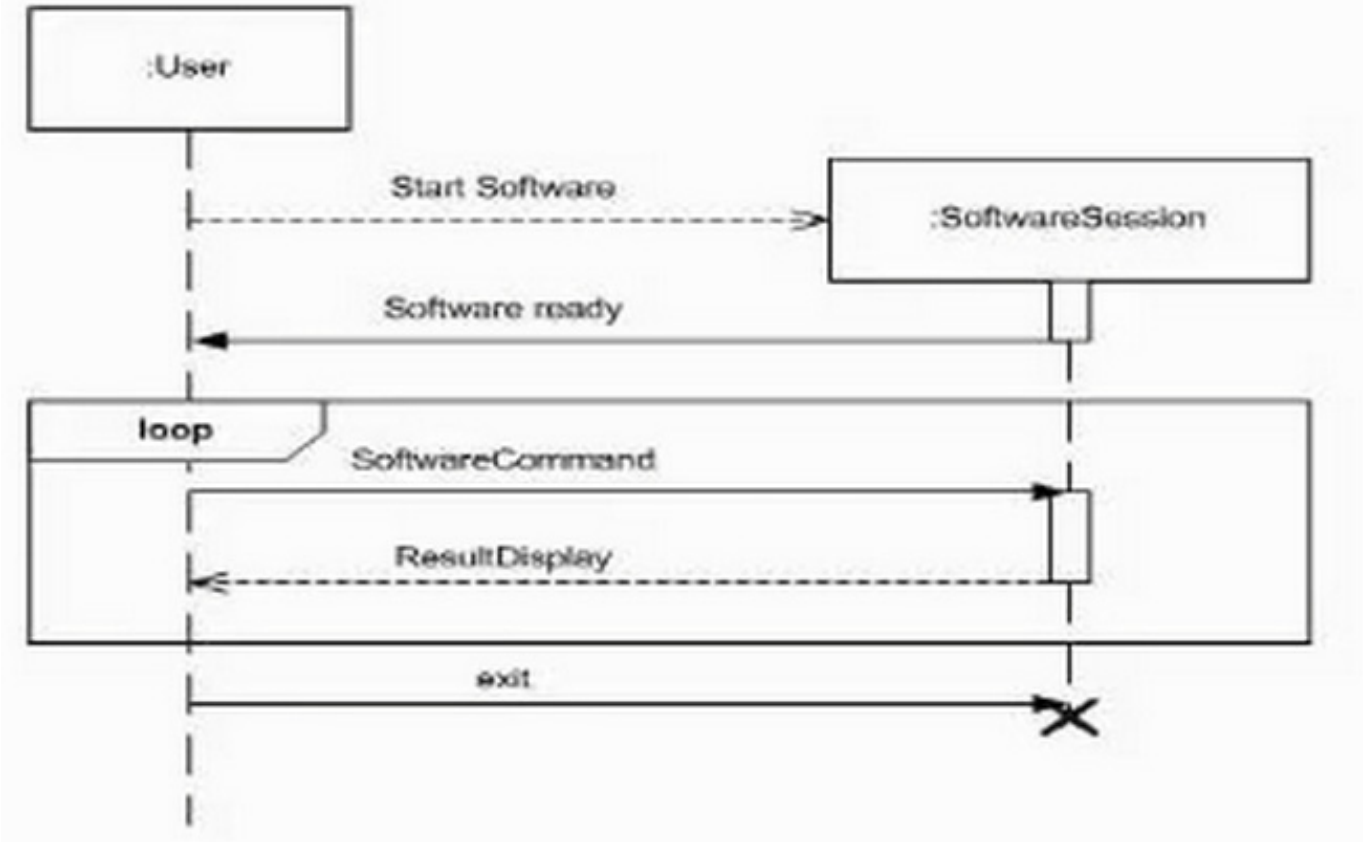
QUESTION 3

HOTSPOT

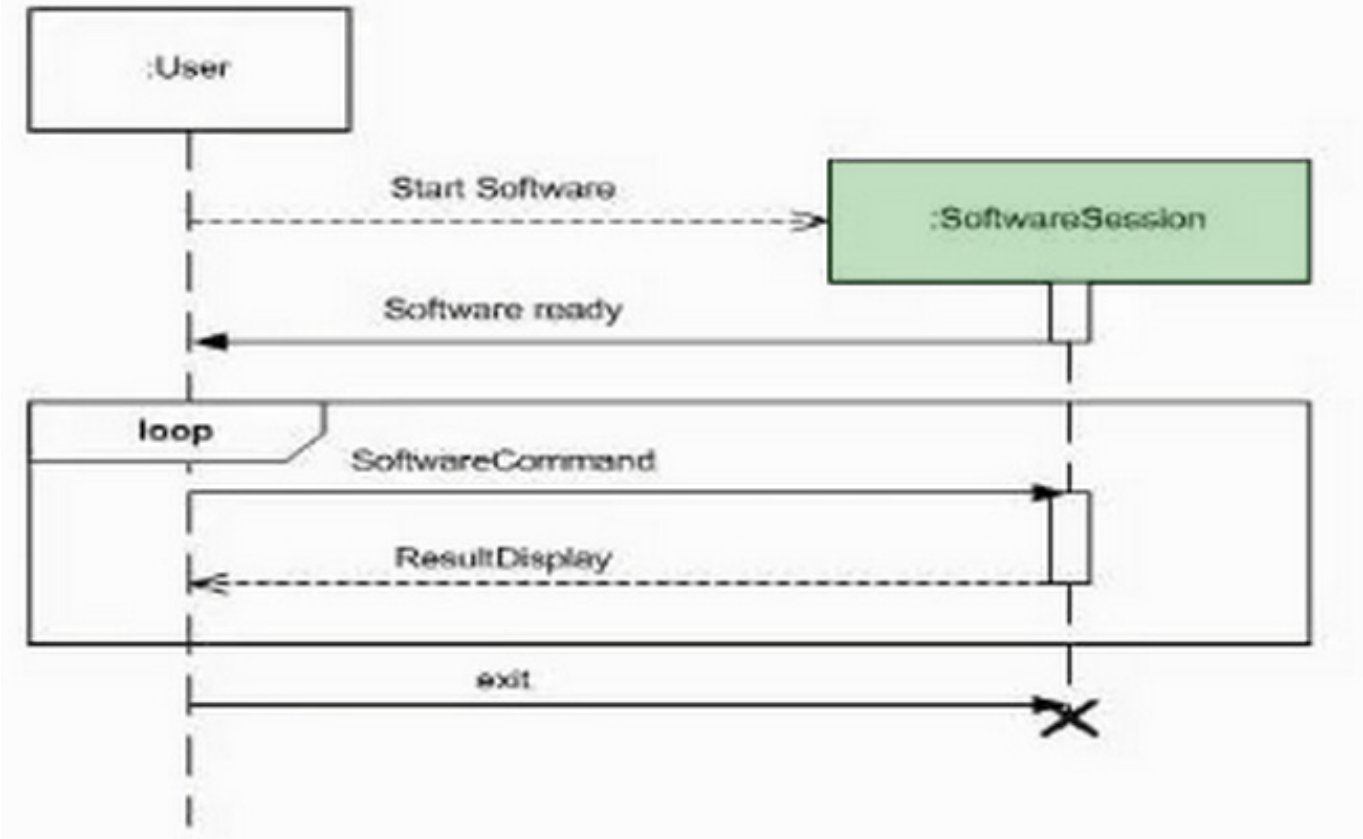
Choose the correct answer.

A project has produced the following initial draft sequence diagram fragment:

Hot Area:



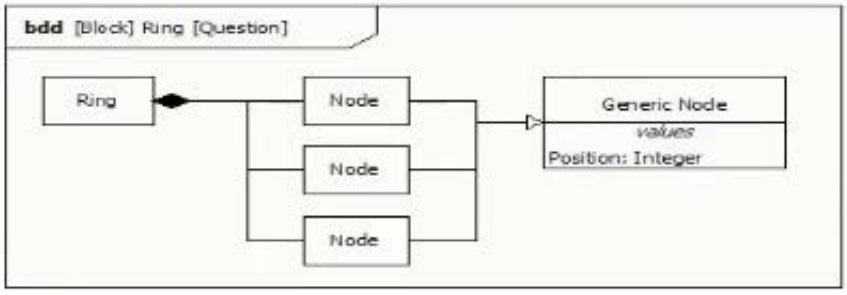
Correct Answer:



QUESTION 4

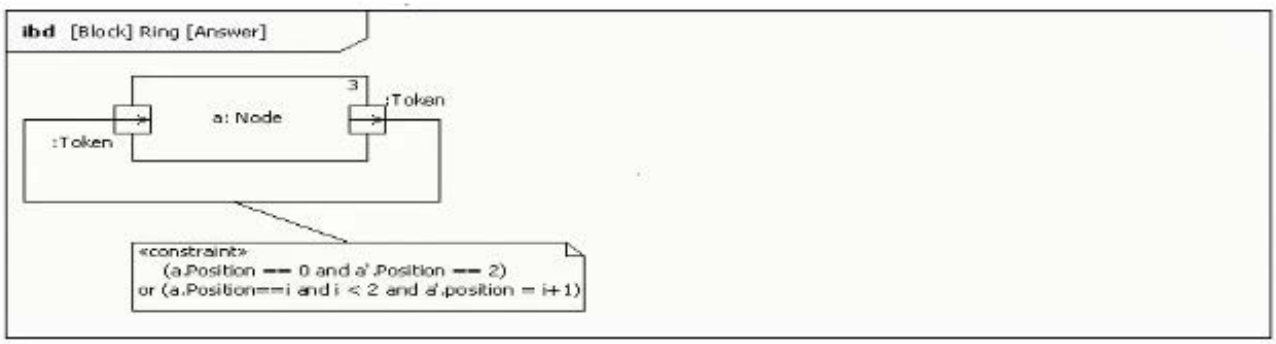
Choose the correct answer

Given the following bdd for a token ring network, in which a token flows from node n to node n+1 except that when it reaches the node at the maximum position n flows to the node at the minimum position.

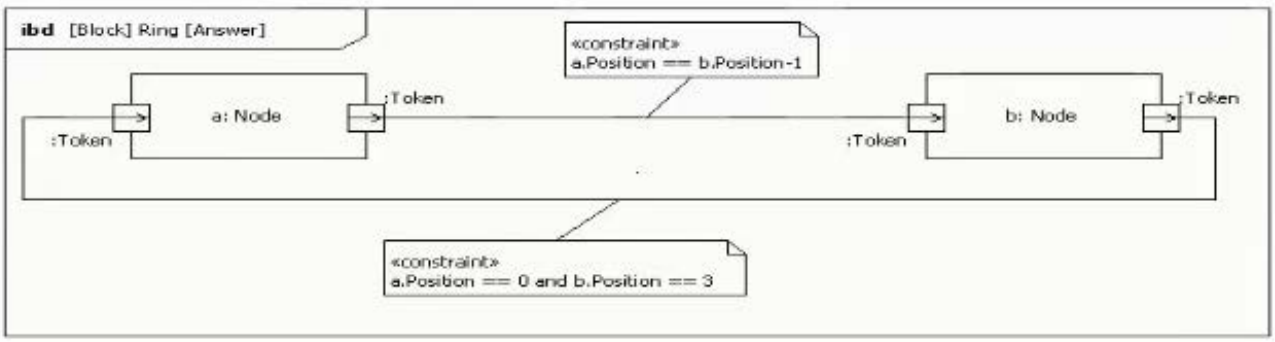


Which ibd correctly models this behavior?

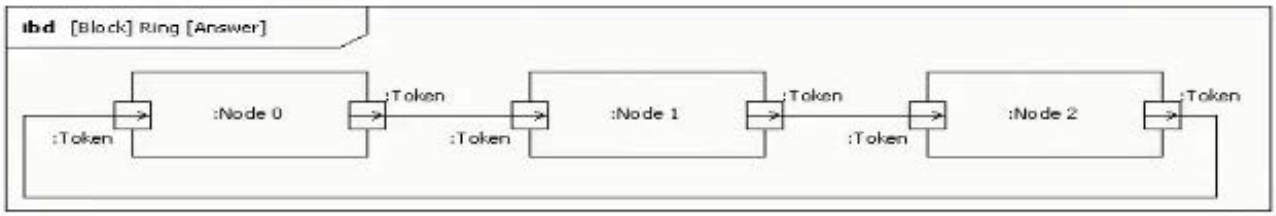
A.



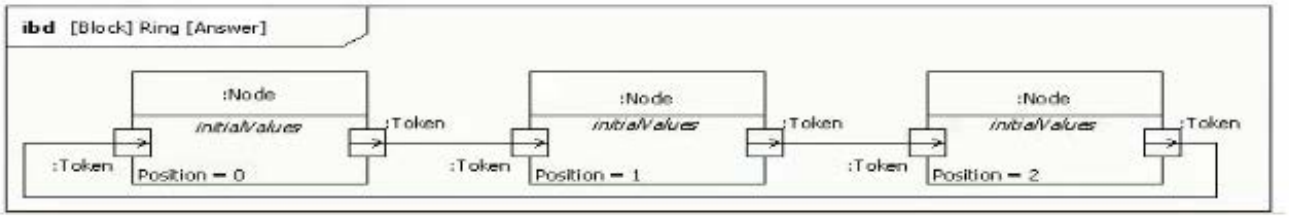
B.



C.



D.



A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 5

Choose the correct answer

What is the statement An activity specifies the behavior of a use case?

A. a constraint defined in SysML

B. a guideline from a methodology

C. a constraint of the activity element

D. a constraint of the use case element

Correct Answer: A