



OMG-OCSMP-MBI300^{Q&As}

OMG-Certified Systems Modeling Professional - Model Builder –
Intermediate





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QUESTION 1

Choose the correct answer.

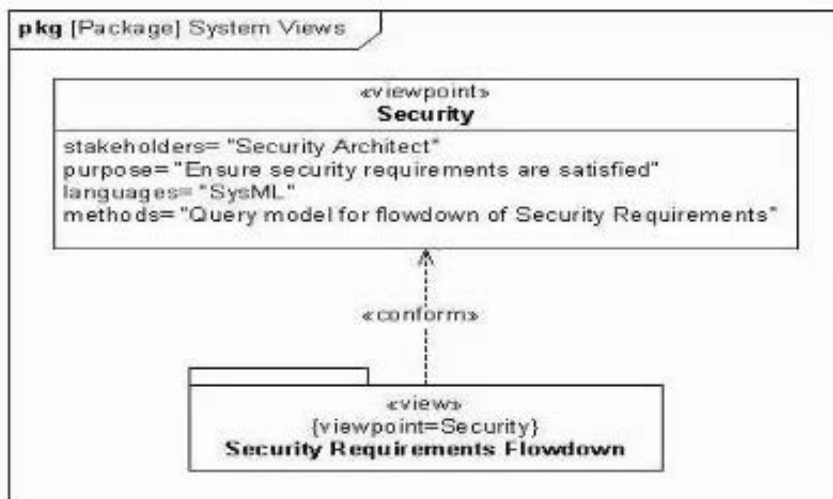
What are the possible values of the enumeration ControlValue?

- A. suspend and resume
- B. enable and disable
- C. suspend, resume, enable and disable
- D. It has no values, but is intended for a modeler to extend with their own control values.

Correct Answer: C

QUESTION 2

Choose the correct answer Given the following diagram:



Which statement is true?

- A. The Security viewpoint conforms to the requirements specified by the Security view
- B. The Security view is intended to address the purpose specified by the Security viewpoint
- C. The Security view imports the Security viewpoint to ensure the security requirements are satisfied
- D. The Security viewpoint imports the model elements associated with flowing down the security requirements

Correct Answer: B

QUESTION 3



Choose the correct answer.

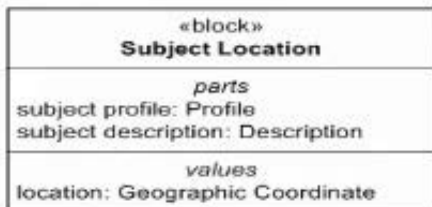
When is it possibly useful to create property-specific types?

- A. when a block is typed by another block with similar properties
- B. when it is important to ensure uniform generalization of all blocks
- C. when it is important to ensure uniform specialization of all block properties
- D. when a block that types several part properties exists in multiple variants

Correct Answer: C

QUESTION 4

Choose the correct answer. Given the following block:



Which SysML construct correctly models Geographic Coordinate?

- A.

«valueType» Geographic Coordinate
dimension = Longitude unit = Lotitudo
- B.

«constraint» Geographic Coordinate
<i>constraints</i>
<i>parameters</i> latitlude: Real longitlude: Real
- C.

«valueType» Geographic Coordinate
<i>values</i> latitlude: Real longitlude: Real
- D.

«block» Geographic Coordinate
<i>parts</i> latitlude: Real longitlude: Real

A. Option A



- B. Option B
- C. Option C
- D. Option D

Correct Answer: C

QUESTION 5

Choose the correct answer.

The formula for the determinant of a square 2X2 matrix.

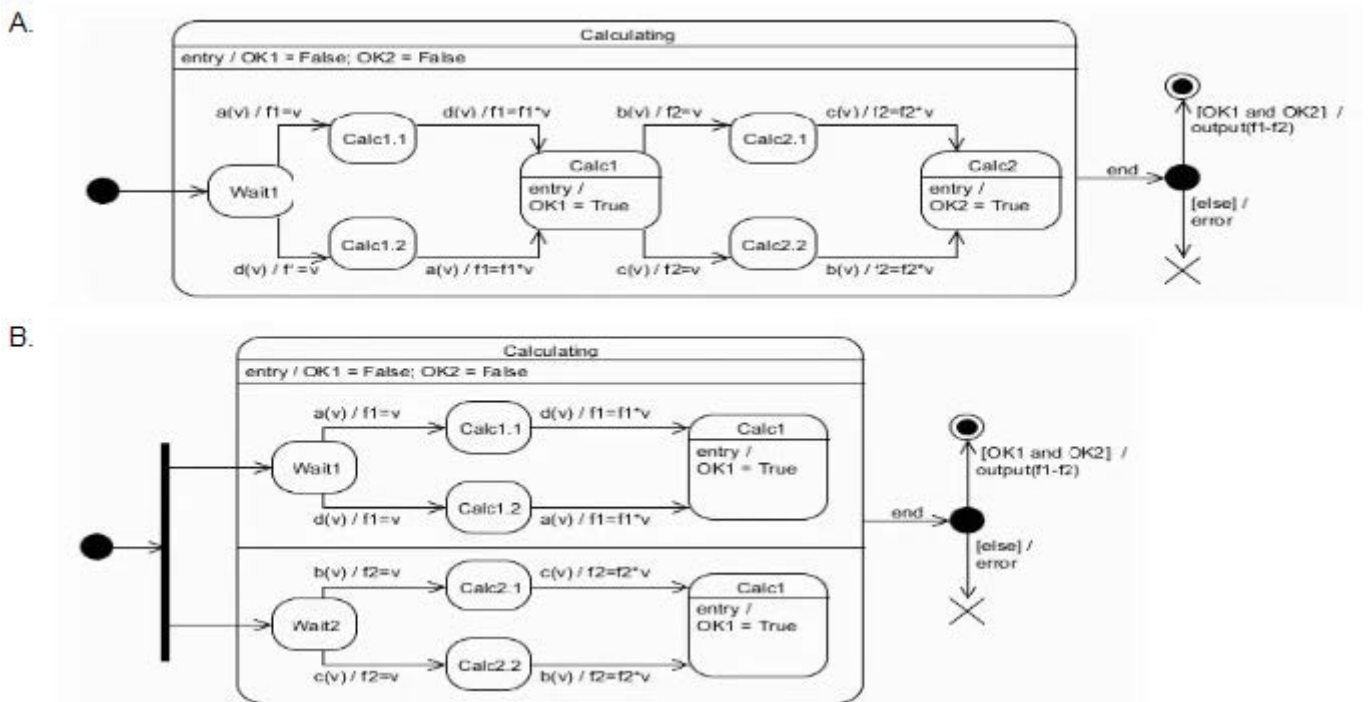
$|ab|$

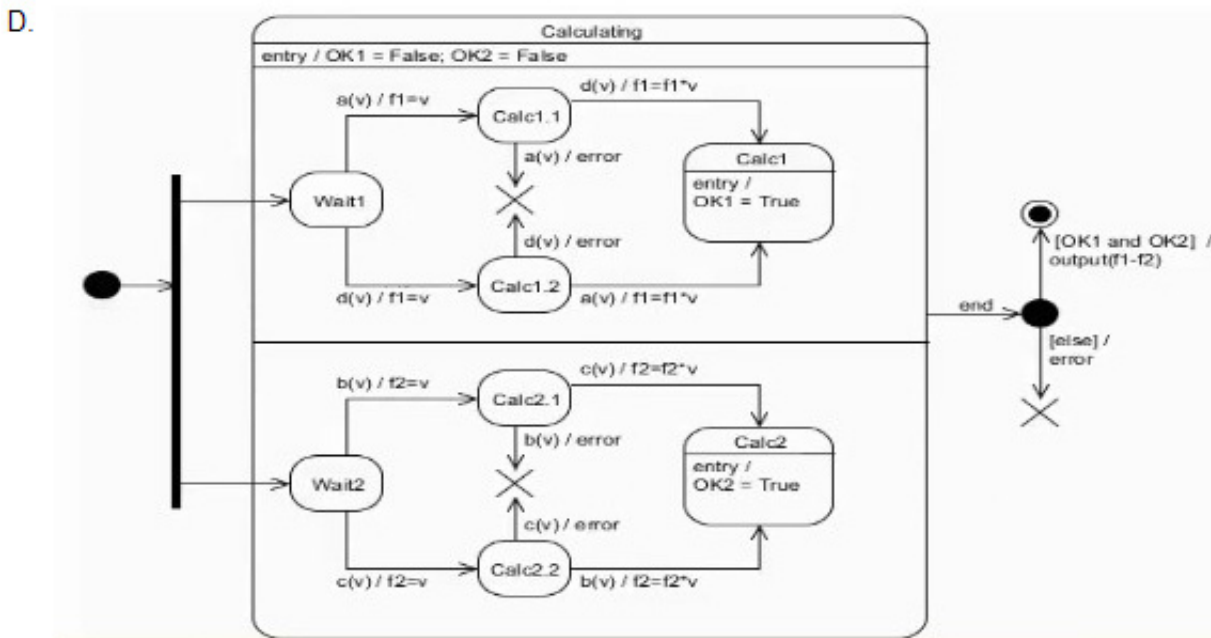
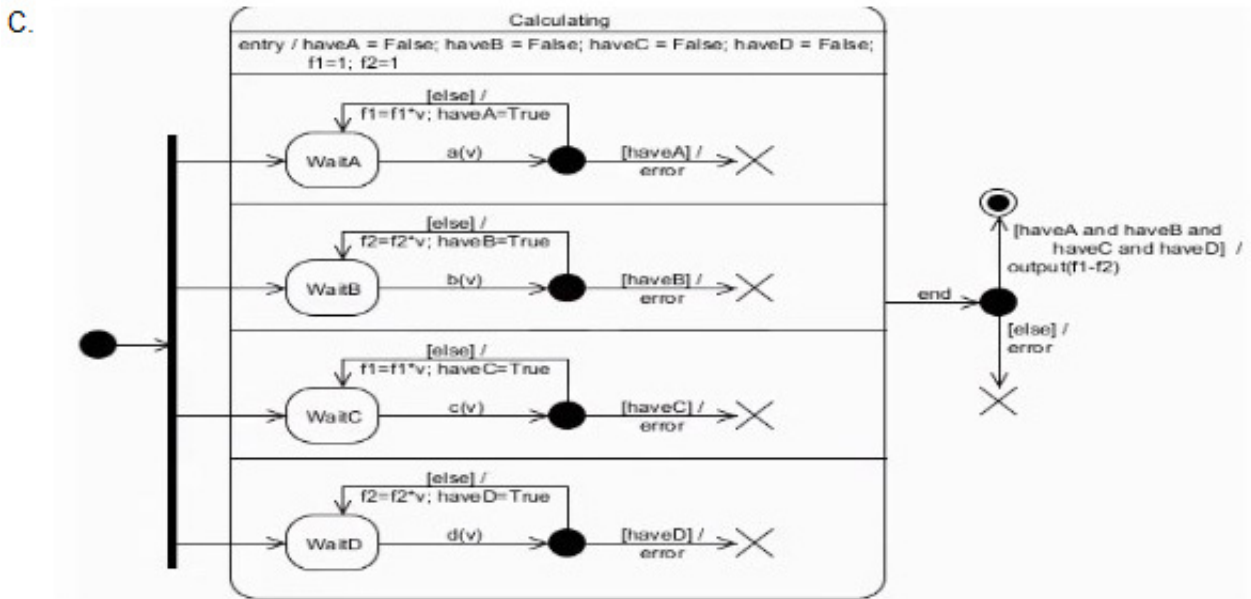
$|cd|$

is $a \setminus d - b \setminus c$ A subsystem receives one message for each value (i.e. $a(v)$, $b(v)$, $c(v)$ and $d(v)$ where v is a real number). These messages can be in any order, and the ensure sequence is followed by an "end" message. The subsystem must

calculate the determinant and output it upon receipt of the end message. If there are multiple messages for one value (e.g. two $a(v)$ messages), or the end message is received before all values have been received, the subsystem should signal an error.

Which state machine correctly models the required behavior? If more than one state machine is correct, select the one with the fewest states.





A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B