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QUESTION 1

Which of the following terminals controls how many times a For loop executes?

A. 

B. 

C. 

D. 

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 2

The following figure is an example of which common type of VI architecture?

A. Multiple Case Structure VI

B. General VI

C. State Machine VI

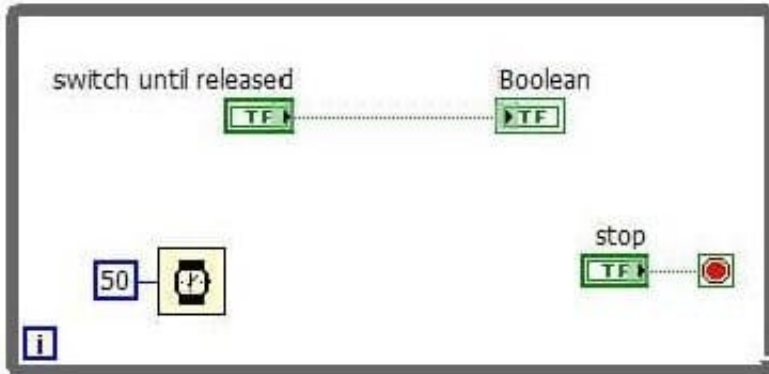
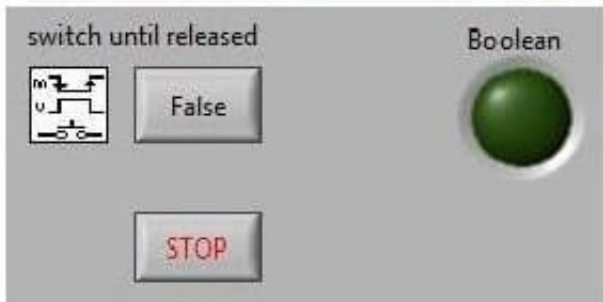
D. Parallel Loop VI

Correct Answer: C

QUESTION 3

Consider the VI and user actions.

What value will be displayed in the Boolean indicator at 7 seconds and 17 seconds, respectively?



Time in Seconds	User Action
0	Clicks Run Arrow
5	Press the switch until released button
8	Releases the switch until released button
15	Press the switch until released button
16	Releases the switch until released button
20	Clicks the stop button

- A. TRUE, TRUE
- B. FALSE, TRUE
- C. FALSE, FALSE
- D. TRUE, FALSE

Correct Answer: A

QUESTION 4

Clicking on the _____ button allows you to bypass a node in the Block Diagram without single-stepping through the node.

- A. Step Into
- B. Step Over

C. Step Out

D. Step Through

Correct Answer: B

QUESTION 5

Which combination of words correctly completes the following statement?

Unlike _____, which display an entire waveform that overwrites the data already stored, _____ update periodically and maintain a history of the data previously stored.

A. Graphs; Charts

B. Charts; Plots

C. Plots; Graphs

D. C harts; Graphs

Correct Answer: A

QUESTION 6

Which Chart update mode should be used to draw new data from left to right, then clear t he chart and draw new data again from left to right?

A. Strip Chart

B. Scope Chart

C. Sweep Chart

D. Step Chart

Correct Answer: B

QUESTION 7

Which of the following statements is true regarding the execution of the following code?

A. The loop will iterate 51 times.

B. The loop will iterate 50 times.

C. The loop will iterate 49 times.

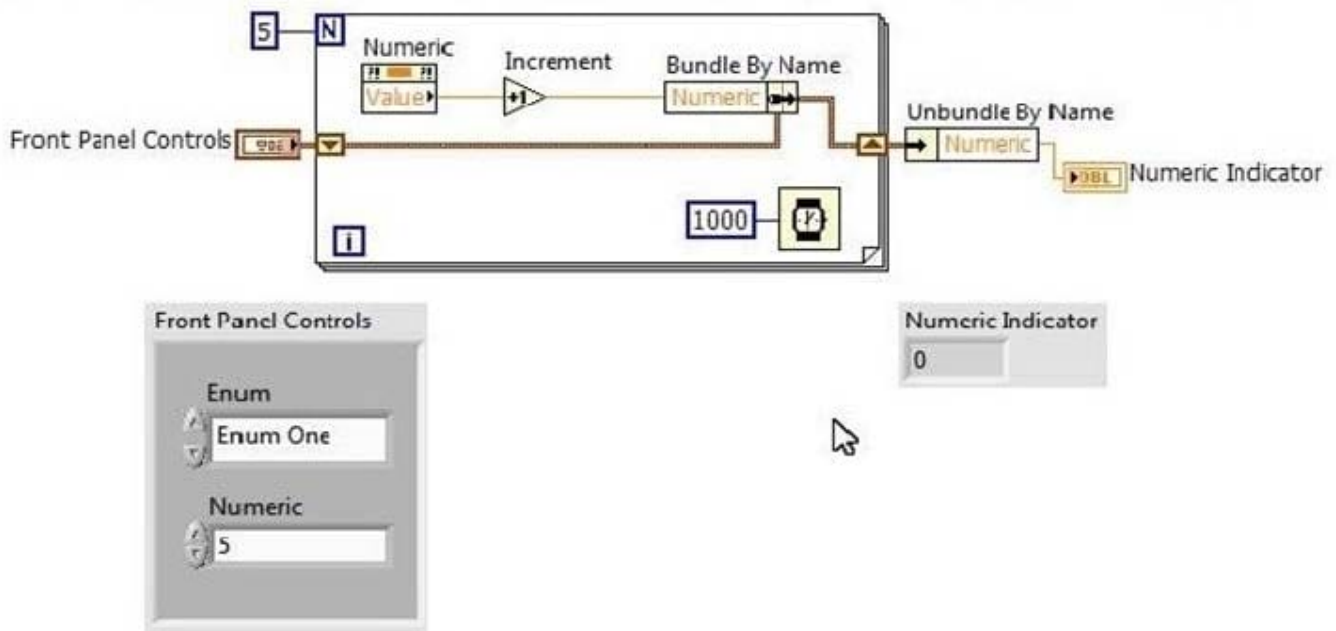
D. A For Loop that has a 50 wired to the count terminal will perform the same operation.

Correct Answer: A

QUESTION 8

The VI begins execution with the value of Numeric as 5, at the end of the 4th loop iteration (i=3), the user changes the front panel control Numeric to value 2.

What value will be displayed in the front panel Numeric indicator after the VI completes execution?

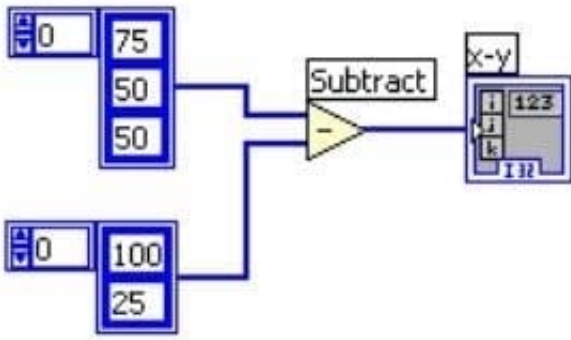


- A. 3
- B. 10
- C. 5
- D. 6

Correct Answer: C

QUESTION 9

What is the result of the following Array subtraction?



- A. A 1-D Array of {-25, 25, 50}
- B. A 1-D Array of {-25, 25}
- C. A 2-D Array of {{-25, -50, -50}, {50, 25, 25}}
- D. A 1-D Array of {75, -50, 25}

Correct Answer: B

QUESTION 10

The function of a Cluster is to:

- A. Allow grouping of mixed data types into logical structures.
- B. Present data on the Front Panel using charts or graphs.
- C. Provide a means of differentiating between data types on the Block Diagram.
- D. Separate data objects by data type on the Front Panel.

Correct Answer: A

QUESTION 11

To determine the frequency distribution of a signal, the sampling rate must be at least.

- A. greater than ten times the highest frequency in the signal
- B. greater than the highest frequency of the signal
- C. greater than twice the highest frequency in the signal
- D. greater than five times the highest frequency in the signal

Correct Answer: C

QUESTION 12

What is an advantage of using a Strictly Typed VI ref num?

- A. The data types of the target VI are known at compile time
- B. The data types passed to the VI can change programmatically
- C. You can flatten the data to a string to improve code performance
- D. Causes dynamically loaded VIs to be loaded at the start of execution

Correct Answer: A

QUESTION 13

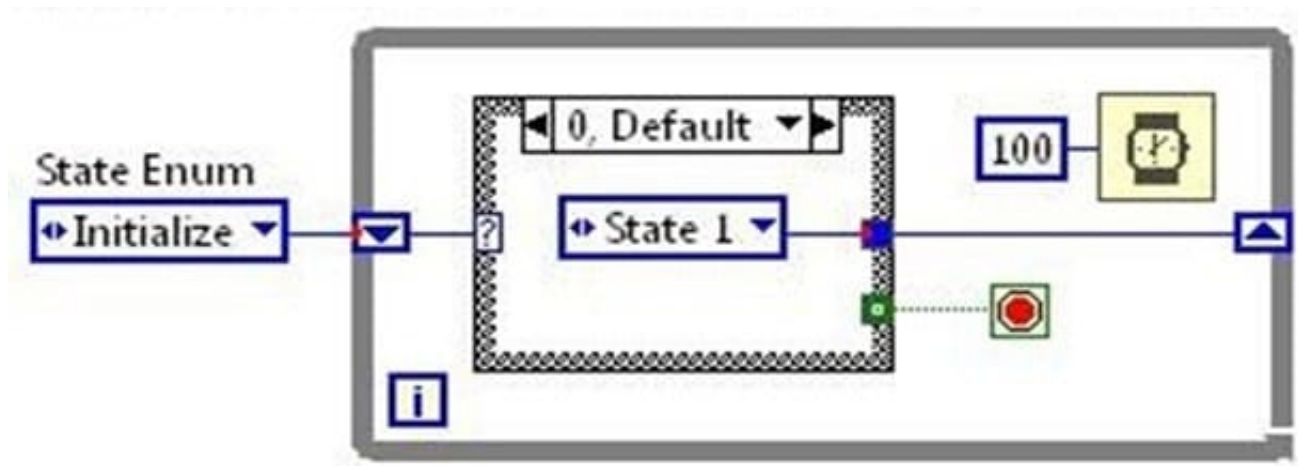
Which of the following statements regarding the index of Arrays are NOT true?

- A. The index is used to access a particular element of an Array.
- B. The index ranges from 1 to n.
- C. A 2-D Array has both a column index and a row index.
- D. The index ranges from 0 to n-1.

Correct Answer: B

QUESTION 14

What of these could cause the Case Structure's case selector to show numbers instead of the Enum text?



- A. The Case Structure Options are set to display Enum as Numeric
- B. The Enum constants are not Type Defs
- C. The Coercion dots prevent the text from displaying

D. The Enum constants have inconsistent sets of cases

Correct Answer: A

QUESTION 15

Which combination of words correctly completes the following statement?

Unlike _____, which display only the most recent array of values written to them, _____ update periodically and maintain a history of the past data.

A. graphs; charts

B. charts; plots

C. plots; graphs

D. charts; graphs

Correct Answer: A

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