Vendor: IBM

Exam Code: C2020-010

Exam Name: IBM SPSS Modeler Professional v2

Version: Demo

Question No : 1

Assume you have two data files: a personnel file with information about employees and a second file withinformation about performance categories. You will use IBM SPSS Modeler to merge the files together using performance category as the key. However, there are inconsistencies in the category keys used in both the personnel file and the performance file. Inorder to merge the files together without losing information from either the personnel file or the performance category file, you would use:

A. A full outer join.
B. An inner join.
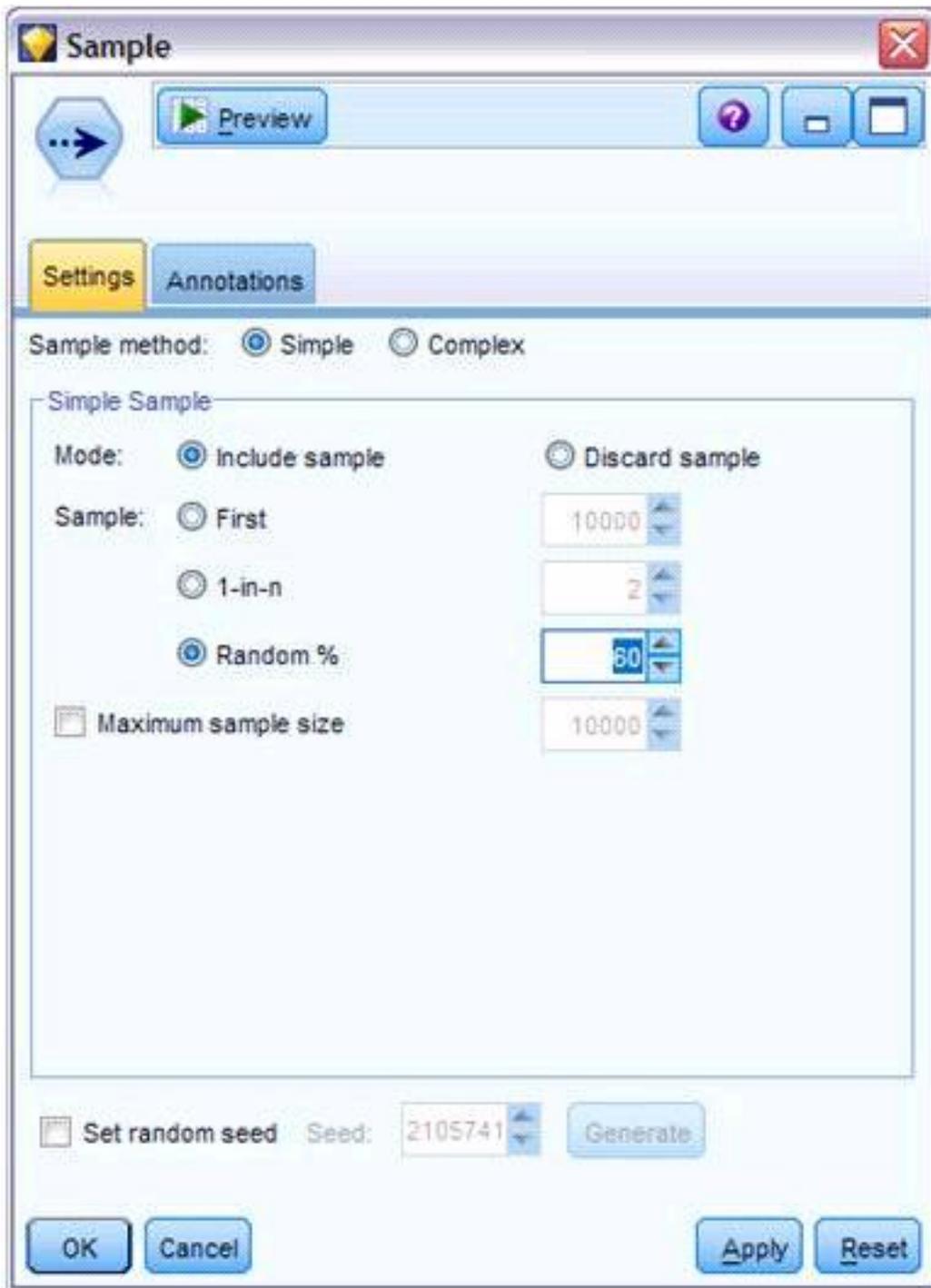**C.** A partial outer join.
D. An anti-join.

Answer: A

Question No : 2

Ahistogram chart is used to graph fields of which measurement type?

A. Continuous
B. Flag
C. Nominal
D. Ordinal

Answer: A

Question No : 3

Which statement is correct regarding the Sample node dialog shown below?

A. It will select every 60th record from the data.
B. It will randomly select exactly 60% of all the records.
C. It will select approximately 60% of the records. That is, each record will have a 60% probability of being selected.
D. It will always draw the same 60% of the records each time thisSample node is run.

Answer: C

Question No : 4

Generally speaking, to modify values in columns of a working data file, you would use nodes from which palette or menu group?

A. Record Ops
B. Field Ops
C. Export
D. Sources

Answer: B

Question No : 5

Which nodes can be used to replace missing data with valid values? (Choose two.)

A. Filler node
B. Distribution node
C. Filter node
D. Data Audit node

Answer: A,D

Question No : 6

True or false: missing values can be specified in the Source node used toread the data or in the Type node.

A. True
B. False

Answer: A

Question No : 7

Given the following Output Table - to create a Select node which includes vehicles from both groups 4 and B, click on 4 and on B (as shown) and select from the menu:

Table (5 fields, 128 records)

	Policyholder age	Vehicle group	Vehicle age	Average cost of claims	Number of claims
1	17-20	A	0-3	289	8
2	17-20	A	4-7	282	8
3	17-20	A	8-9	133	4
4	17-20	A	10+	160	1
5	17-20	B	0-3	372	10
6	17-20	B	4-7	249	28
7	17-20	B	8-9	288	1
8	17-20	B	10+	11	1
9	17-20	C	0-3	189	9
10	17-20	C	4-7	288	13
11	17-20	C	8-9	179	1
12	17-20	C	10+	$null$	0
13	17-20	D	0-3	763	3
14	17-20	D	4-7	850	2
15	17-20	D	8-9	$null$	0
16	17-20	D	10+	$null$	0
17	21-24	A	0-3	302	18
18	21-24	A	4-7	194	31
19	21-24	A	8-9	135	10
20	21-24	A	10+	166	4

A. Generate...Select Node ("Or").
B. Generate...Select Node ("And¡").
C. Edit... Select Node ("Or").
D. Edit...Select Node ("And").

Answer: A

Question No : 8

The Anomaly node is on which palette or menu group?

A. Field Ops
B. Record Ops
C. Output
D. Modeling

Answer: D

Question No : 9

In a Derive node, which expressions will produce a continuous date lype rather than a string? (Choose two.)

A. '2001-04-23
B. to_date("12/04/2050")
C. '03/15/2009'
D. datetime_date(2008, 05, 22)

Answer: B,D

Question No : 10

True or false: a Database Export node can be used to write data to more than one database table in the same operation.

A. True
B. False

Answer: B

Question No : 11

When using the Algorithm method to replace missing values in Data Audit output, which algorithm is used?

A. Neural Net
B. 05.0
C. C&RT
D. Cox Regression

Answer: C

Question No : 12

Which nodes are best suited for revealing relationships between categorical (nominal,

ordinal) fields? (Choose two.)

A. Means node
B. Matrix node
C. Distribution node
D. Table node

Answer: B,C

Question No : 13

The Analysis node can be very useful with regard to model evaluation. Consider this output from the Analysis node.

'Partition'	1_Training		2_Testing	
Correct	604	84.01%	619	81.66%
Wrong	115	15.99%	139	18.34%
Total	719		758	

'Partition'	1_Training		2_Testing	
Correct	630	87.62%	648	85.49%
Wrong	89	12.38%	110	14.51%
Total	719		758	

'Partition'	1_Training		2_Testing	
Agree	667	92.77%	711	93.8%
Disagree	52	7.23%	47	6.2%
Total	719		758	

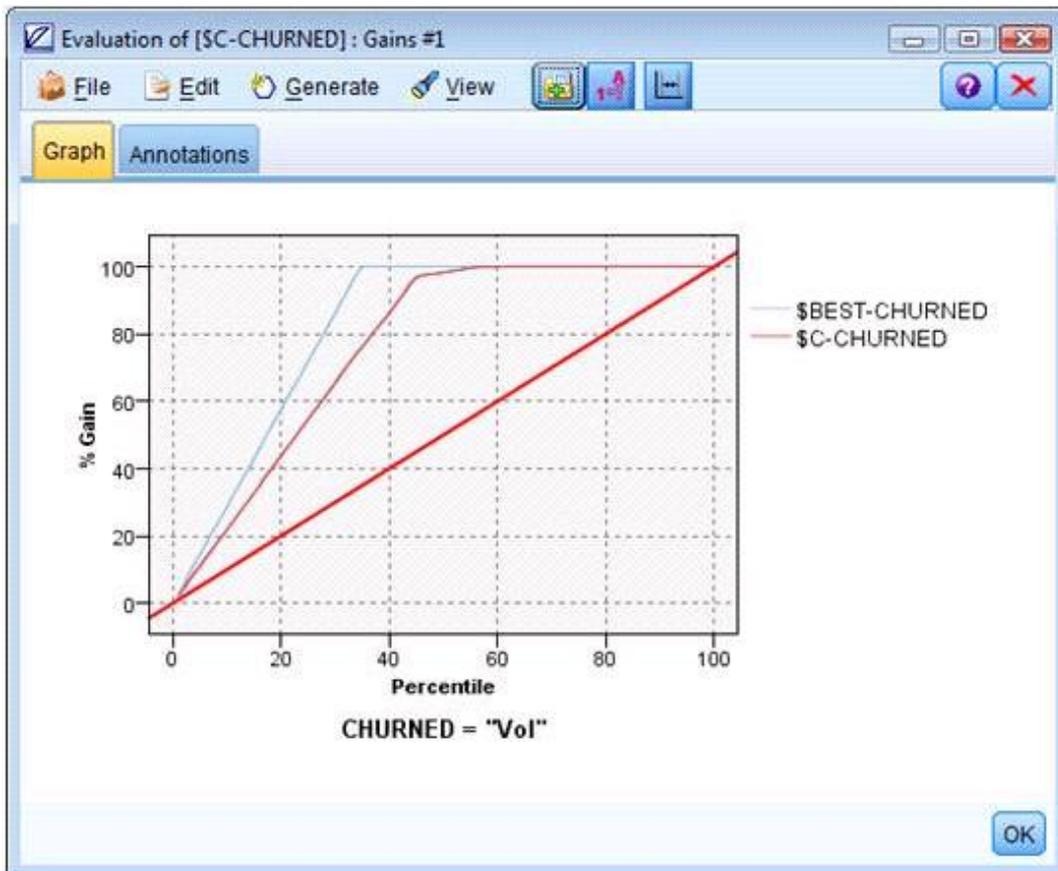| 'Partition'	1_Training		2_Testing	
Correct	591	88.61%	610	85.79%
Wrong	76	11.39%	101	14.21%
Total	667		711	

When comparing the overall accuracy of the Neural Net model to the 05 model, the Neural Net model is:

A. More accurate
B. Less accurate
C. The same accuracy
D. Not determined

Answer: B

Question No : 14

In the Gains Chart displayed below, what does the $BEST-CHURNED line represent?

A. The best current model to predict the field CHURNED
B. The theoretically best model to predict the field CHURNED
C. The best model for cases in the training partition to predict the field CHURNED
D. None of the above

Answer: B

Question No : 15

In the Regression node, which option uses allof the input fields in the model regardless of importance or significance?

A. Stepwise
B. Backwards
C. Forwards
D. Enter

Answer: D

Question No : 16

Which statement is correct regarding the Balance node shown below?

A. The sizes of the larger two groups will be reduced to equal the size of the smallest group.
B. The "bad profit" category is the smallest group.
C. The sizes of the first and third groups will be increased.
D. The result group sizes will always be the same each time the Balance node isrun.
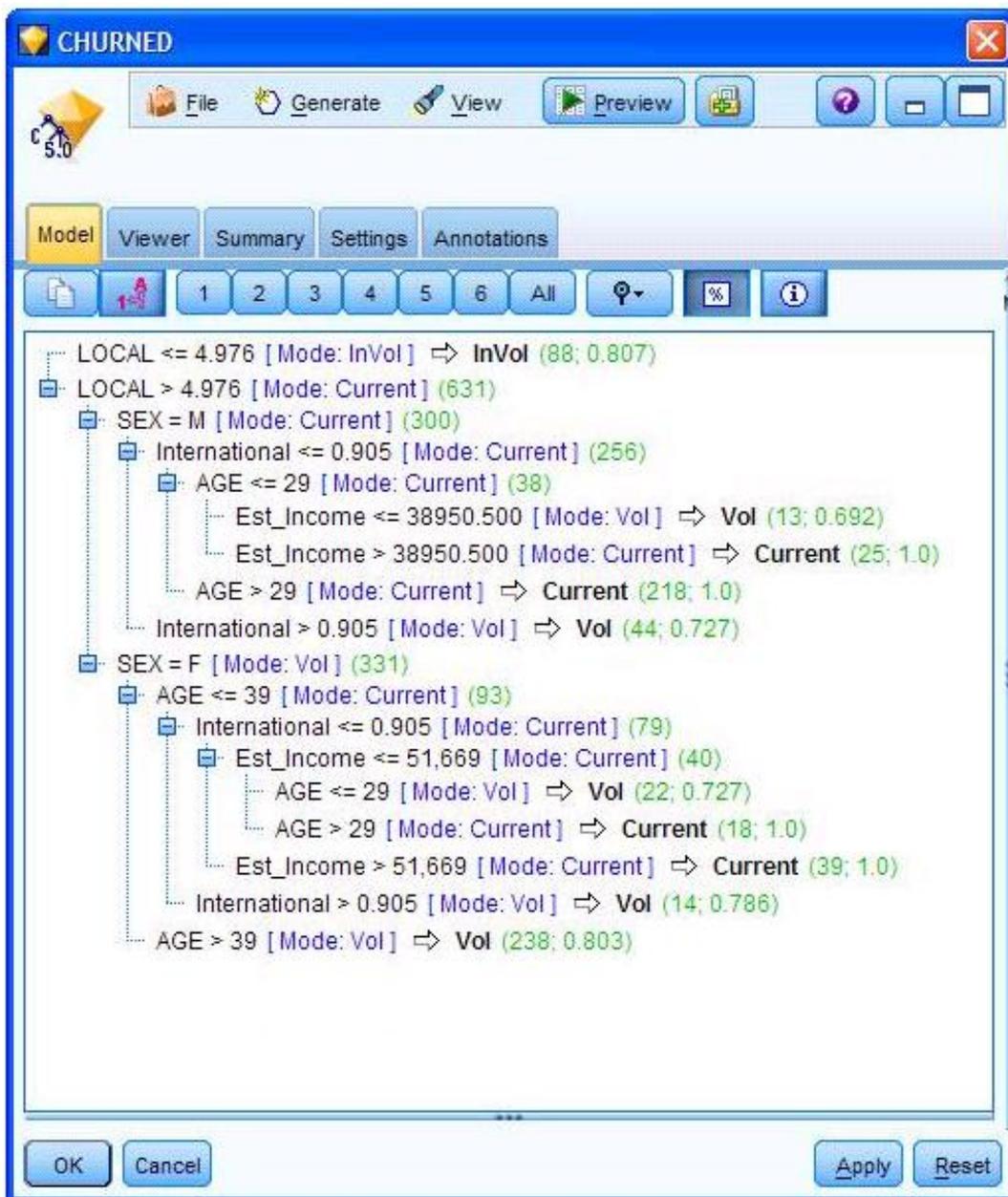
Answer: C

Question No : 17

Which node allows you to choose from many different graph types (bar charts, pie charts, scatterplots, heatmaps, etc.) in one single node?

A. Collection node
B. Multiplot node
C. Graphboard node
D. Evaluation node

Answer: C

Question No : 18

Which statement is the correct interpretation of the rule: "those that use less than or equal to 4.976 of LOCAL are predicted to be InVol"?
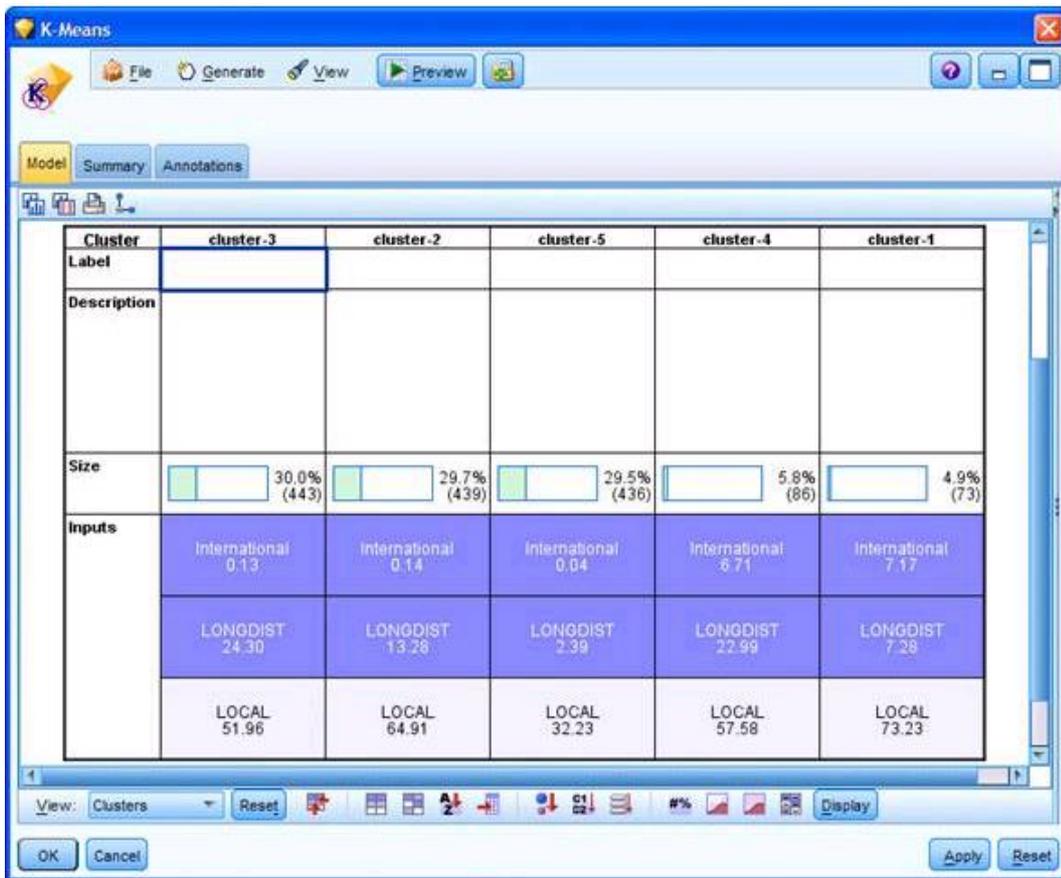
CHURNED

Model | Viewer | Summary | Settings | Annotations

LOCAL <= 4.976 [Mode: InVol] ⇨ InVol (88; 0.807)
LOCAL > 4.976 [Mode: Current] (631)
  SEX = M [Mode: Current] (300)
    International <= 0.905 [Mode: Current] (256)
      AGE <= 29 [Mode: Current] (38)
        Est_Income <= 38950.500 [Mode: Vol] ⇨ Vol (13; 0.692)
        Est_Income > 38950.500 [Mode: Current] ⇨ Current (25; 1.0)
      AGE > 29 [Mode: Current] ⇨ Current (218; 1.0)
    International > 0.905 [Mode: Vol] ⇨ Vol (44; 0.727)
  SEX = F [Mode: Vol] (331)
    AGE <= 39 [Mode: Current] (93)
      International <= 0.905 [Mode: Current] (79)
        Est_Income <= 51,669 [Mode: Current] (40)
          AGE <= 29 [Mode: Vol] ⇨ Vol (22; 0.727)
          AGE > 29 [Mode: Current] ⇨ Current (18; 1.0)
        Est_Income > 51,669 [Mode: Current] ⇨ Current (39; 1.0)
      International > 0.905 [Mode: Vol] ⇨ Vol (14; 0.786)
    AGE > 39 [Mode: Vol] ⇨ Vol (238; 0.803)

A. The rule applies to 88 people and the confidence is 80.7%.
B. This rule was accurate 88 times which was 80.7% of the time.
C. This rule does not exist.
D. The accuracy of this rule cannot be determined.
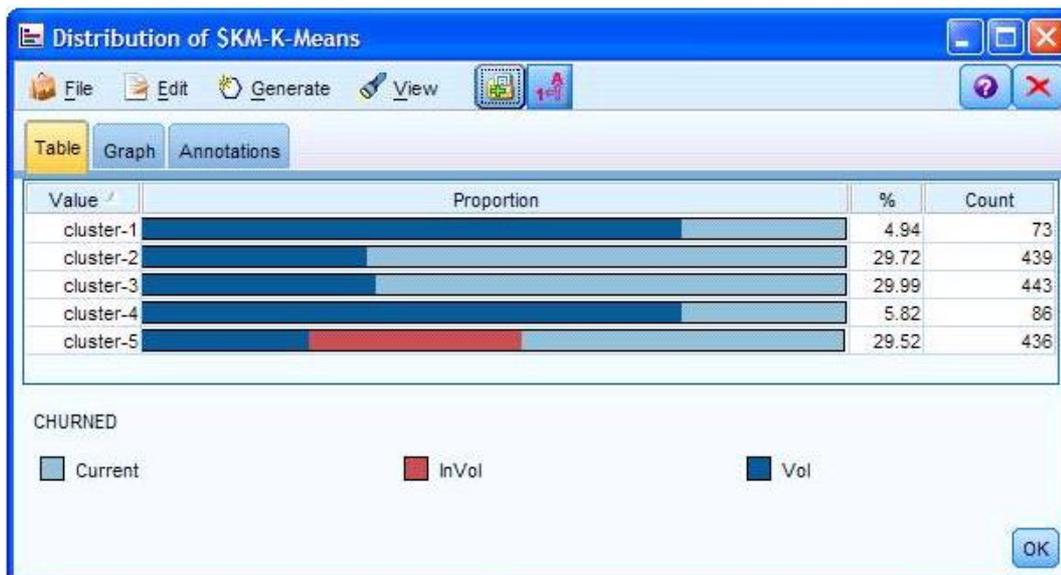
Answer: A

Question No : 19

Examine the output generated by the K-Means clustering model.

Study the results of the Distributionnode relating the clusters created by K-Means to the outcome (dependent) field current customers; Vol = customers that left; In Vol = customers that were dropped because they did not pay).

A. Improve the long distance calling plan and rates.
B. Improvethe local calling plan and rates.

C. Improve the international calling plan and rates.

D. Create a "Pay as You Go" plan (pay only for the minutes you use).

Answer: D

Question No : 20

Which of the following is the biggest advantage of using a data cache?

A. Integrating the modified data with the original data source

B. Creating reports or doing other analyses with other software

C. Using the prepared data file more efficiently

D. Applying modifications to new data more easily

Answer: C

Question No : 21

The Feature Selection node is used for what reasons? (Choose two.)

A. Screens input fields for problems such as missing data.

B. Selects the best fitting model.

C. Selects the best input fields for model.

D. Ranks the models by importance.

Answer: A,C

Question No : 22

True or false: in the PCA/Factor node when doing a Principal Components analysis without rotation, the values reported in the Component Matrix represents the correlation between each field and a factor.

A. True

B. False

Answer: A

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