REASONING ABILITY

1.Find the mirror image of the given image from the given options below.
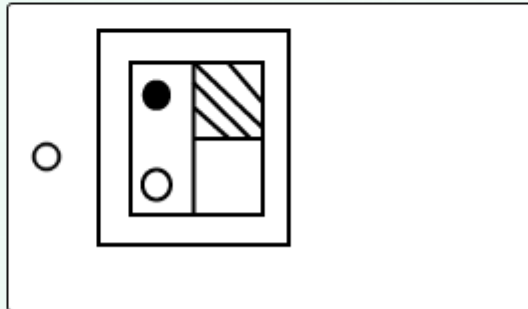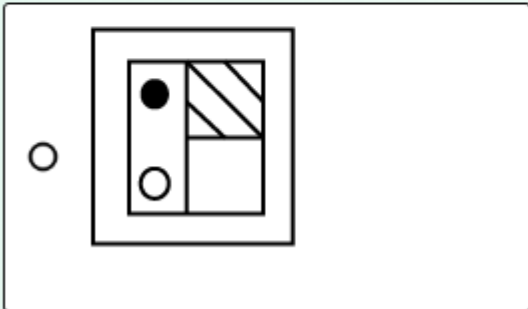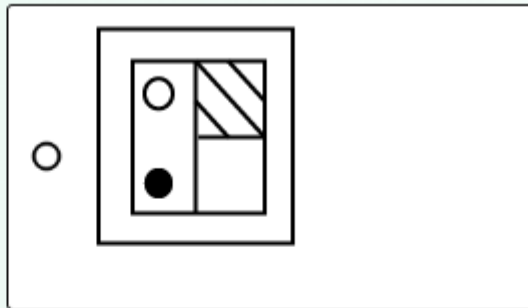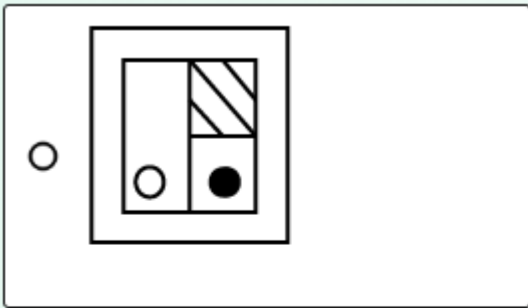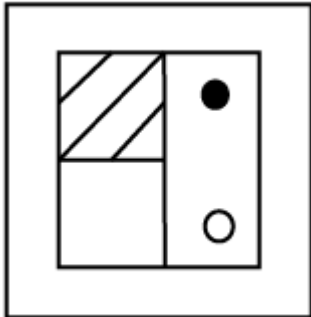
A.a
B.b
C.c ✅
D.d

2.A piece of paper is folded and punched as shown below in the Question figures. From the given answer figures, indicate how it will appear when opened?
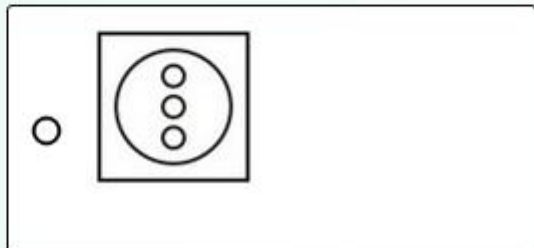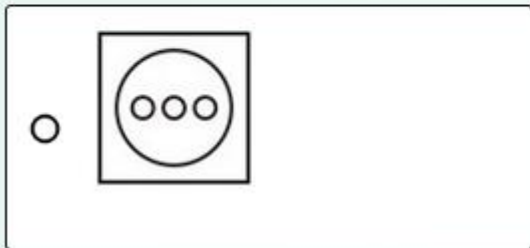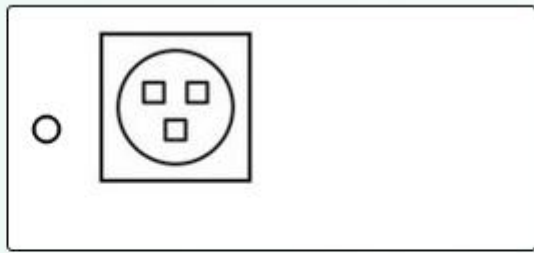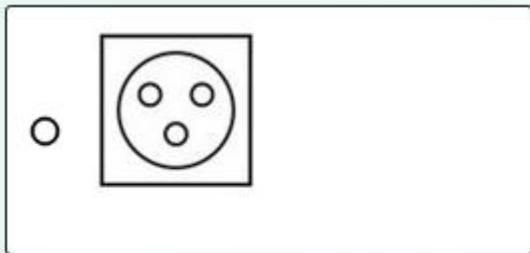
A.a ✅
B.b
C.c
D.d

3.Choose the figure which is different from the others.
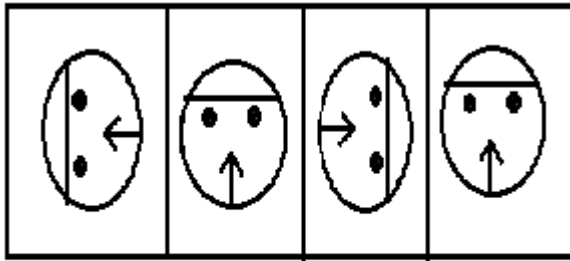
(a)   (b)   (c)   (d)

A.a
B.b
C.c
D.d ✅

4.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.

EⅢE | ⅢⅢⅢ | E�████ | ██ ? ██

Ⅲ   E   ██   Ǝ

(1)   (2)   (3)   (4)

A.1
B.2
C.3 ✅
D.4

5..**Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.**
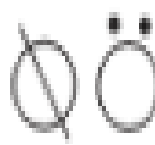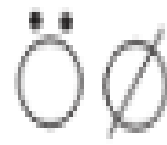
| (1) | (2) | (3) | (4) |

A.1
B.2
C.3
D.4 ✅

6.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.
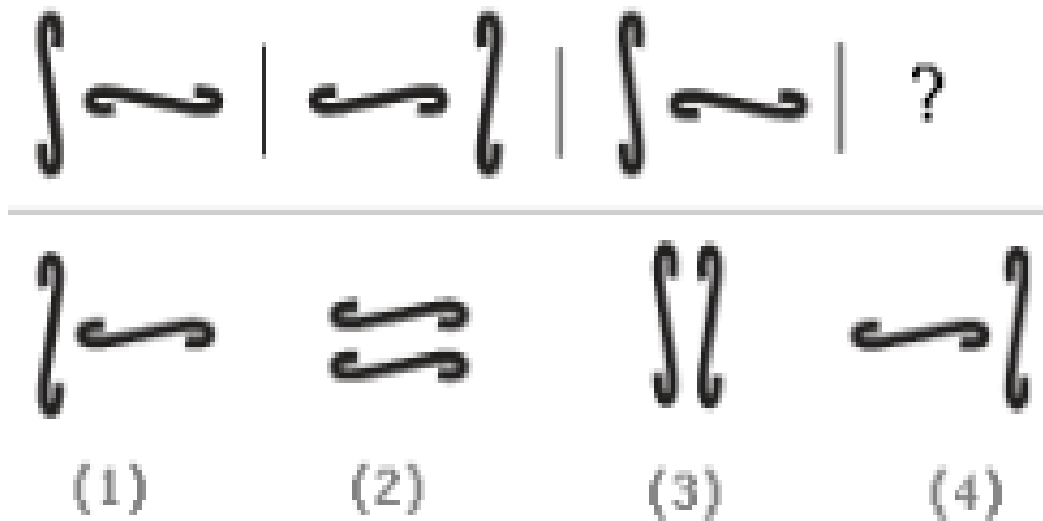
(1)   (2)   (3)   (4)

A.1
B.2
C.3
D.4 ✅

7.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.
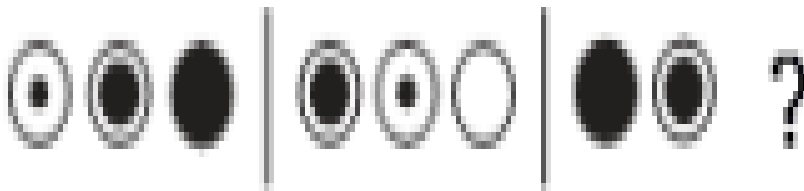
(1)   (2)   (3)   (4)

A.1
B.2 ✅
C.3
D.4

terv

8..Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.

△ □ △ | □ ○ □ | ○ ◇ ○ | ◇ □ **?**

◇   □   ○   △
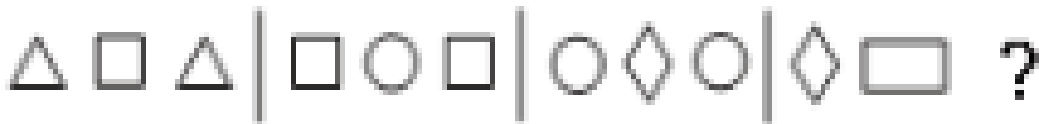
(1)   (2)   (3)   (4)

A.1 ✅

B.2

C.3

D.4

9.Choose the figure which is different from the others.
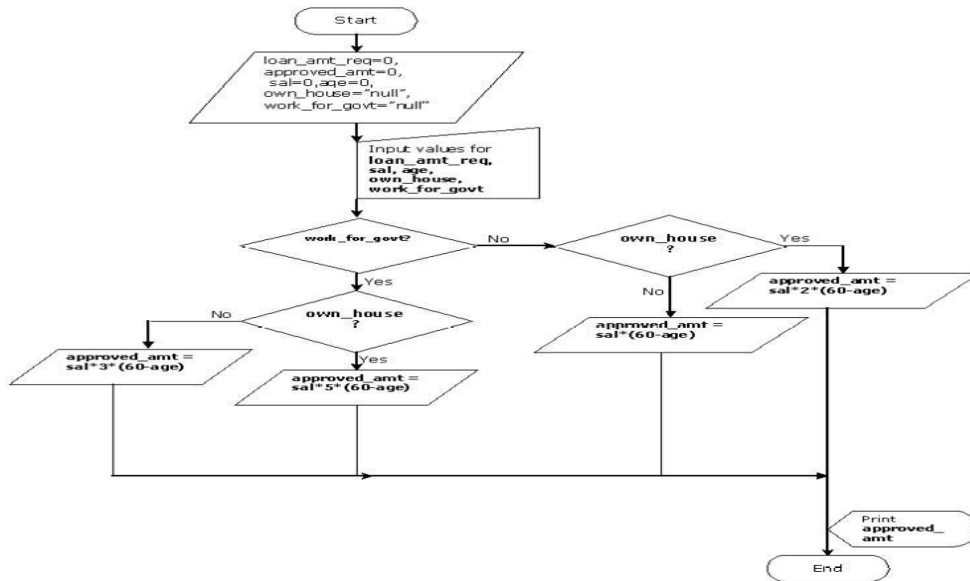
A)   a

B)   b

C)   c

D)   d

10.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.

START
Is (3) greater than (1)?
NO | YES
Is (2) greater than (1)?   Is (2) greater than (1)?
NO | YES   YES
Is (3) greater than (2)?   NO
NO | YES   Is (3) greater than (2)?

Put the letter A into box 4.   NO   YES

Put the letter B into box 4.

Put the letter C into box 4.

Put the letter D into box 4.

Put the letter E into box 4.

Put the letter F into box 4.

END   The letter A is now in box 4.
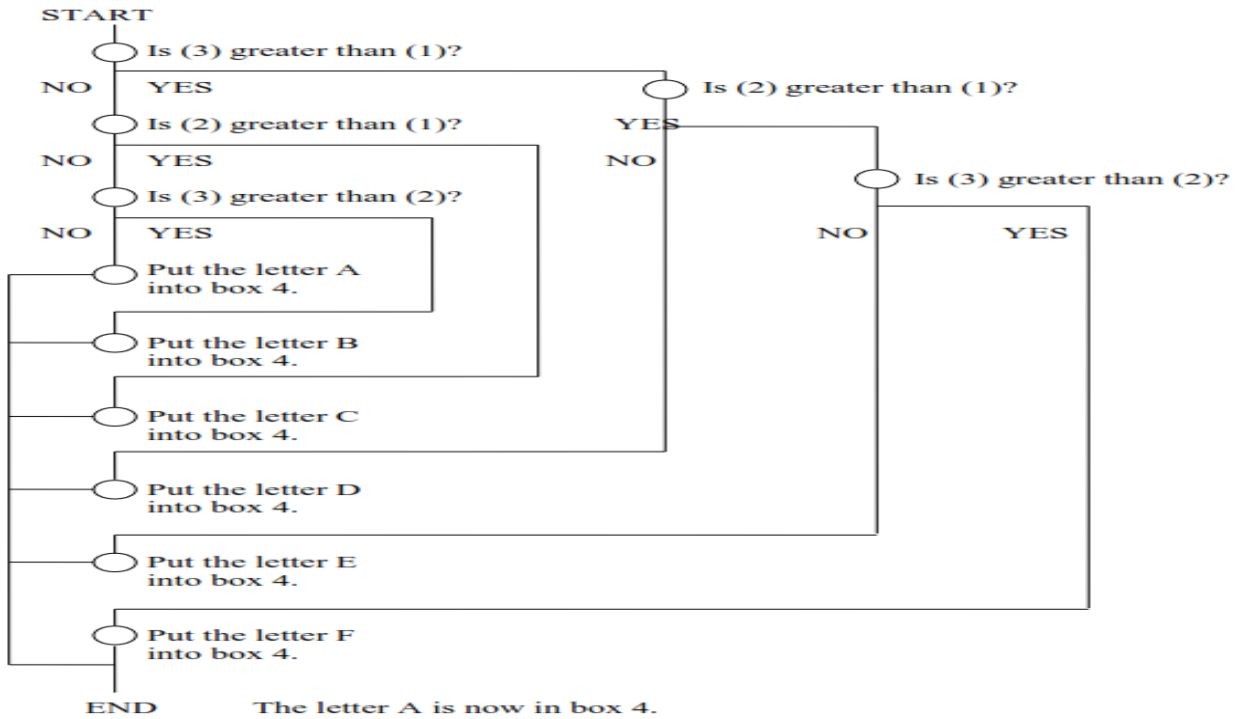
Which of the boxes 1, 2, 3 contains... the largest number?   _____
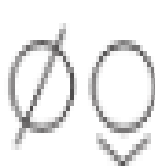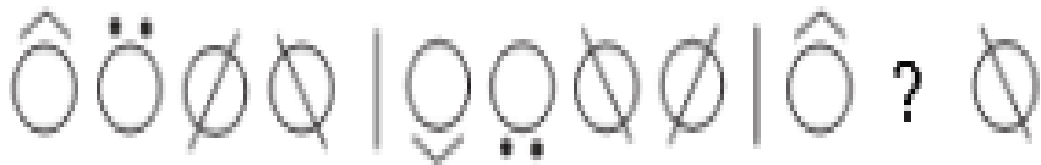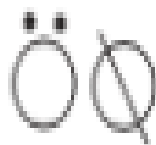
the smallest number?   _____

A)   1
B)   2
C)   3 ✓
D)   4

terv

11.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.

Box No. 1	2	3	4	5	6	7	8	9	10	11	12	13	14

START

1 — Add: (number in box 2) + (number in box 2). Put result into box 2.

2 — Change Instruction 1: Increase all box numbers mentioned in it by 2.

No

3 — Is (number in box 1) less than the second box number mentioned in Instruction 1?

Yes

END — What is the smallest number which may be in Box 1? _____
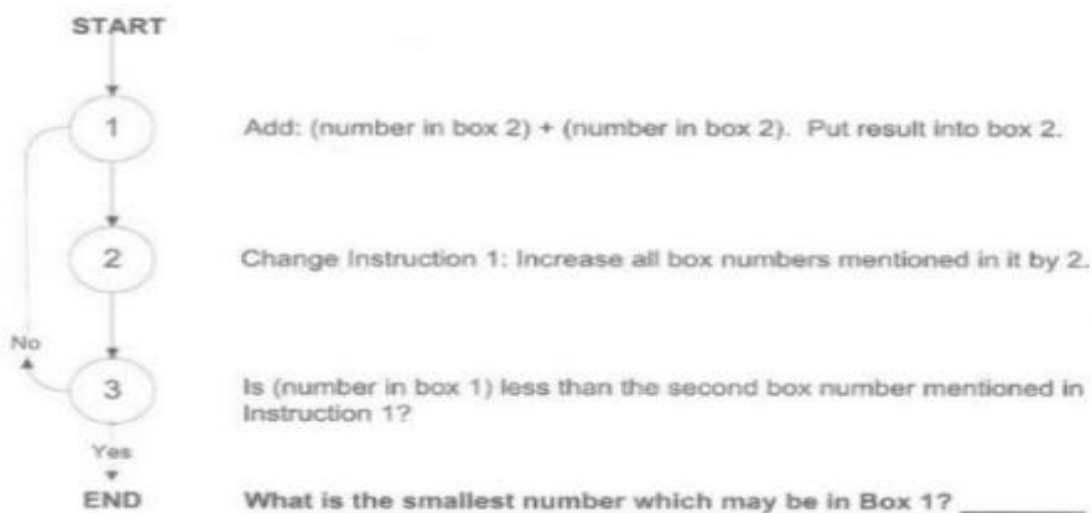
A)   1

B)   2 ✅

C)   3

D)   4

12.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.

Box No. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	13	2	5	6	3	10	6	7	2	5	2	6	7	1

START

1. Subtract: (number in box 4) – (number in the box whose number is in box 7). Put result into box 1.

2. Add: (number in box 1) + (number in box 6). Put result into box 1.

3. Is (number in box 1) evenly divisible by 4? — Yes

No

4. Change instruction 2: Increase the second box mentioned in it by (number in the box whose number is in box 5).

5. Is (number in box 2) more than the second box number mentioned in instruction 2? — No / Yes

6. Subtract: (number in box 9) – 1. Put result into box 9.

END — What number is now in Box 1? _____

A) 1
B) 2
C) 3
D) 4 ✓

terv

13.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.

Box No.	1	2	3	4	5	6	7	8	9	10	11	12
	1	2	0	3	7	5	24	7	11	6	1	5

START

1 — Add: (number in box 3) + (number in box 11). Put result into box 11.

2 — Add: (number in box 1) + (number in the box whose number is in box 9). Put the result into box 5.

3 — Multiply: (number in box 4) X (number in box 4). Put result into box 4.

4 — Is (number in box 5) = (number in box 10)?

Yes   No

5 — Subtract: (number in box 4) - 6. Put result into box 4.

6 — Add: (number in box 5) + (number in box 2). Put result into box 5.

7 — Subtract: (number in box 7) - (number in box 5). Put result into box 8.

8 — Add: (number in box 4) + (number in box 8). Put result into box 6.

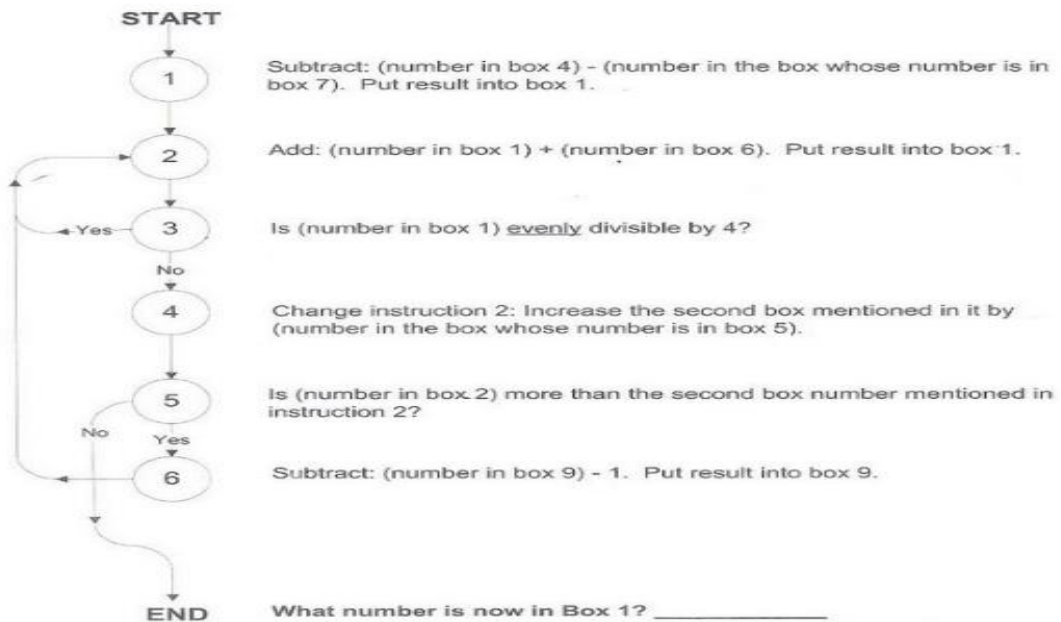**END** — What number is now in Box 6? _____

A) 1

B) 2

C) 3 ✅

D) 4

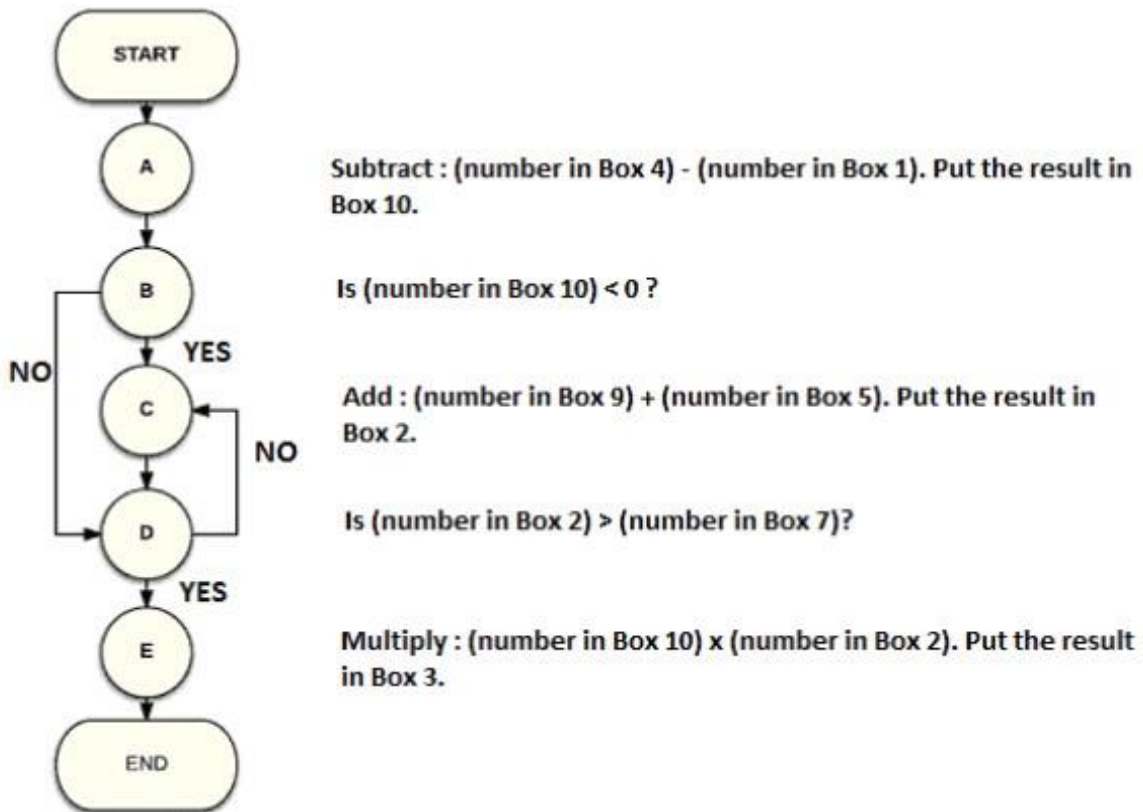**14. Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.**

Box No.	1	2	3	4	5	6	7	8	9	10	11	12
	8	6	5	7	4	2	2	11	8	-2	2	1

START

1. Add: (number in box 11) + 3. Put result into box 11.

2. Put (number in box 1) into box 10.

3. Is the first box number mentioned in Instruction 2 an odd number?

   No / Yes

4. Go to the instruction whose number is in the box whose number is in box 6.

5. Change Instruction 2: Increase the first box number mentioned in it by 2.

6. Add: (number in box 5) + (number in box 11). Put result into box 11.

7. Change Instruction 2: Increase the first box number mentioned in it and decrease the second box number mentioned in it, each by (number in box 12).

8. Is the last box number mentioned in Instruction 2 less than (number in box 1)?

   Yes / No

9. Go to the instruction which is the one before Instruction 3.

END

What number is now in Box 8? _____ (a)   Box 11? _____ (b)

A) 1

B) 2 ✅

C) 3

D) 4

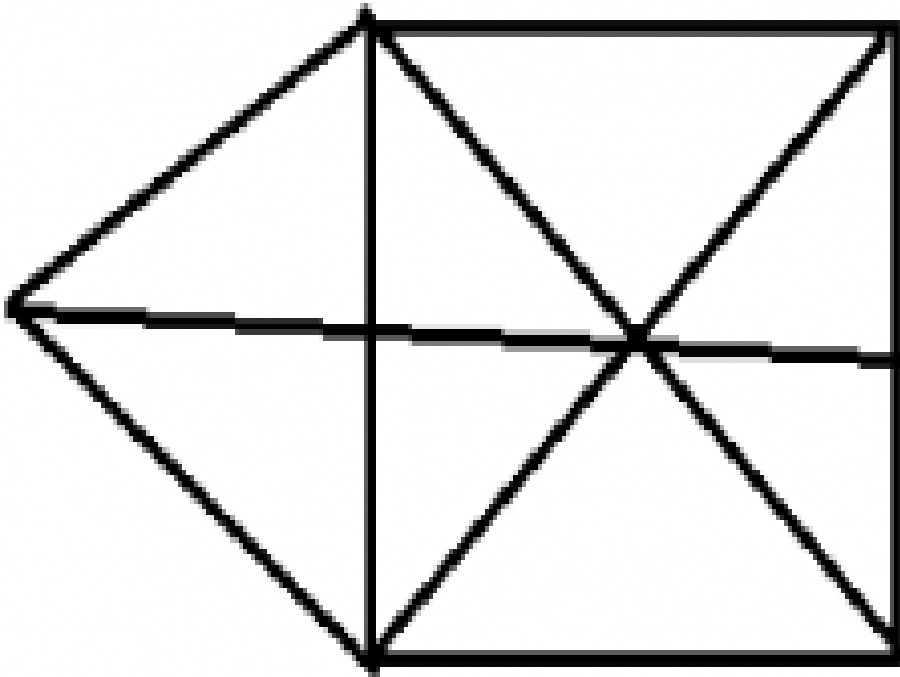**15.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.**

Box No.

1	2	3	4	5	6	7	8	9	10
13	20	7	12	10	2	5	1	0	18

START

A   Subtract : (number in Box 4) - (number in Box 1). Put the result in Box 10.

B   Is (number in Box 10) < 0 ?

NO   YES

C   Add : (number in Box 9) + (number in Box 5). Put the result in Box 2.

NO

D   Is (number in Box 2) > (number in Box 7)?

YES

E   Multiply : (number in Box 10) x (number in Box 2). Put the result in Box 3.

END

A)   1 ✓

B)   2

C)   3

D)   4

terv

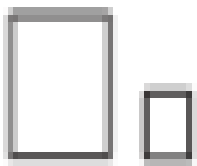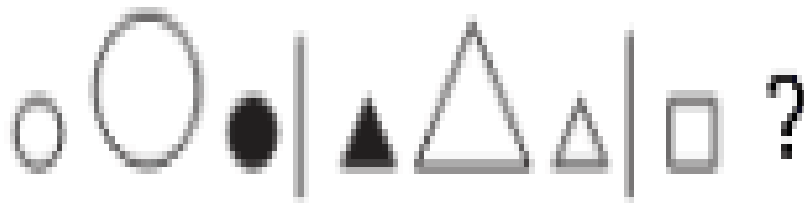**16. How many triangles are there in the given diagram?**
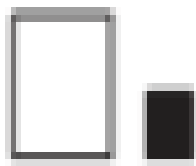

A)   11

B)   14

C)   17

D)   15

terv

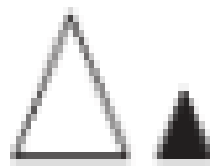**17.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.**
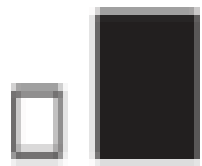

(1) (2) (3) (4)

A)   1

B)   2

C)   3

D)   4

18.Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.1.A3P means A is the mother of P .

2.A4P means A is the brother of P

3.A9P means A is the husband of P

4.A5P means A is the daughter of P

Which of the following means that K is the mother-in-law of M?

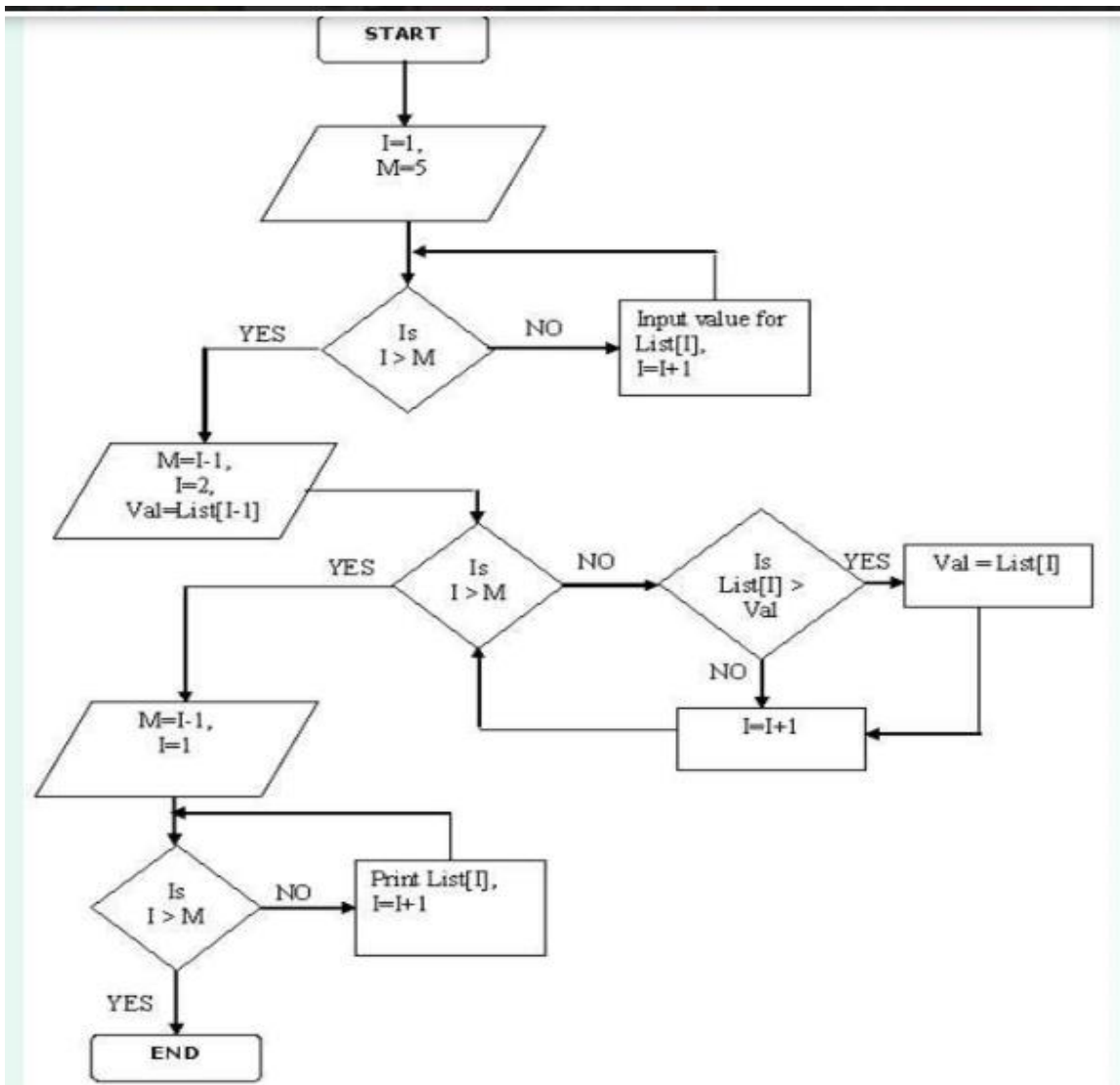A)   M9N3K4J

B)   M9N5K3J   ✅

C)   K5J9M3N

D)   K3J9N4M

19.A's son B is married to C whose sister D is married to E the brother of B. How D is related to A?
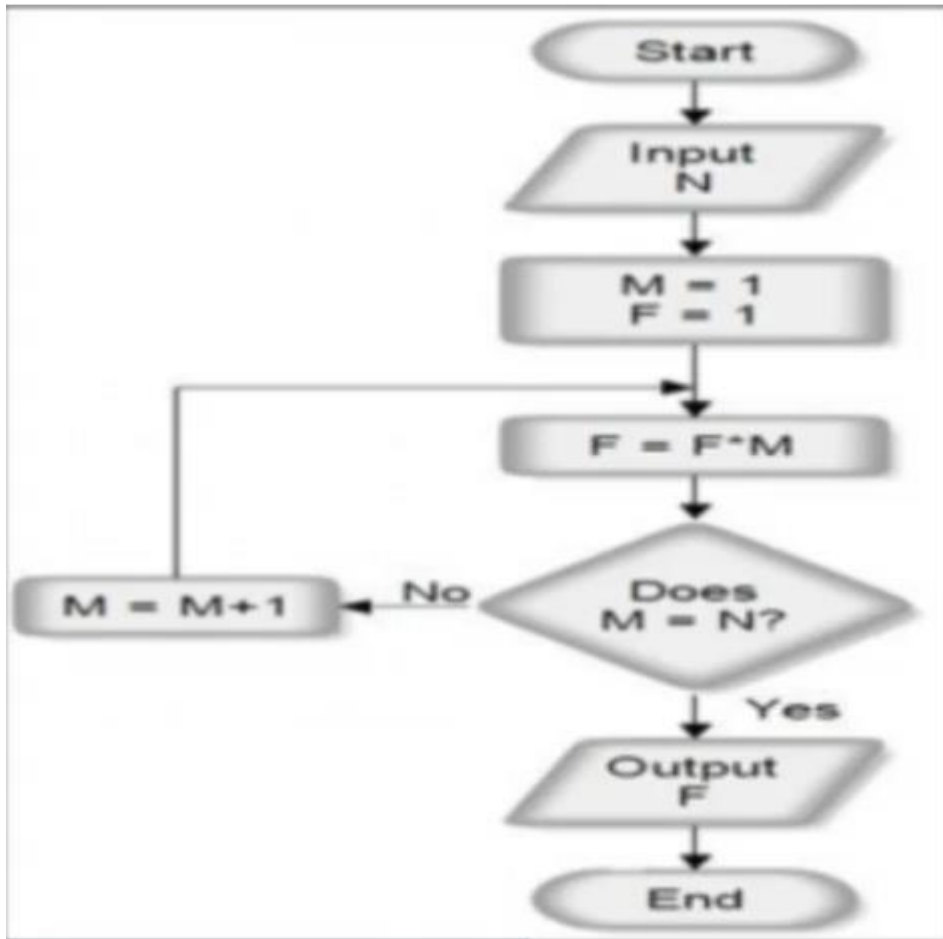
A) DAUGHTER

B) SON

C) FATHER

D) DAUGHTER-IN-LAW ✅

20.Study the flowchart shown below to answer the following questions. At the end of the flowchart execution, what would be the values of I and M?

A)   L=1,M=1

B)   L=6,M=5 ✓

C)   L=5,M=5

D)   L=5,M=6

21.Study the flowchart shown below to answer the following questions. Which of the following value will be printed if the value of N = 0?

A)   NONE OF THESE ✅

B)   720

C)   5040

D)   0

22.Study the flowchart shown below to answer the following questions. A person wishes to avail a loan of Rs. 50, 00,000. He works for a government organization and does not own a house. Would he get the loan if he draws a salary of Rs. 60,000 and his age is 28 years. If he does get a loan, what amount would he be entitled? If not, by what amount he would be short of the required amount?
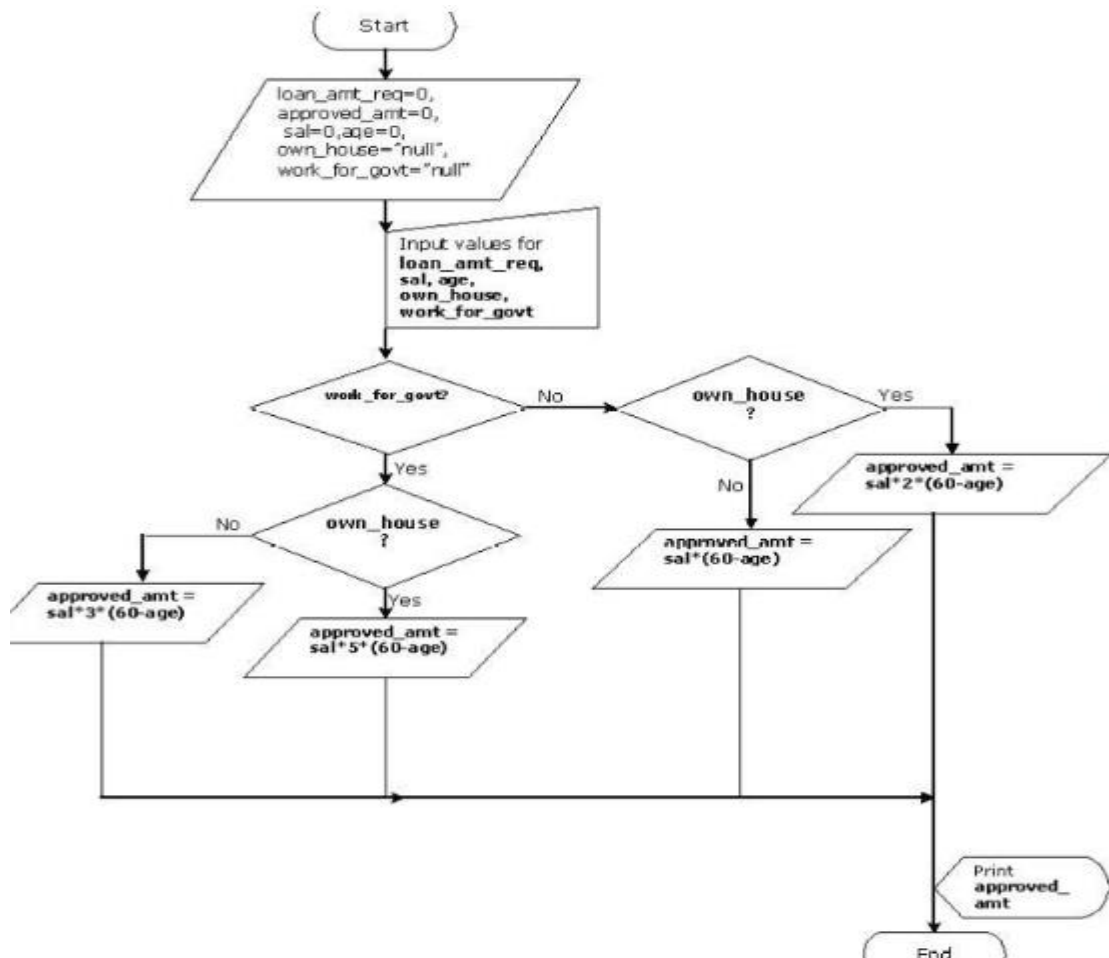
A) YES,HE WOULD GET ALOAN OF EXACTLY EQUAL TO RS.50,000

B) YES,HE WOULD GET A LOAN OF EXACTLY EQUAL TO RS.57,60,000 ✅

C) NO,HE WOULD NOT GET LOAN.HE WOULD BE SHORT OF RS.700000
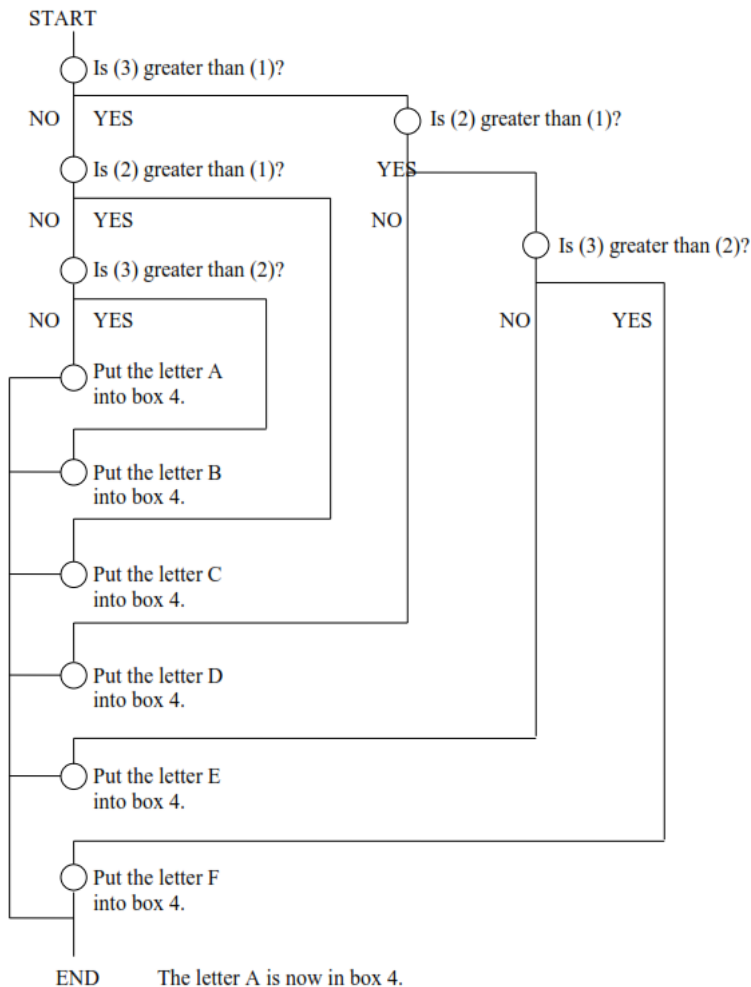
D) NONE OF THESE

23.Study the flowchart shown below to answer the following questions. For an individual who works for a government organization and owns a house, it is given that he is 35 years old and earns Rs. 15,000 per month. What would be the approved_amt (in Rs.) for him?
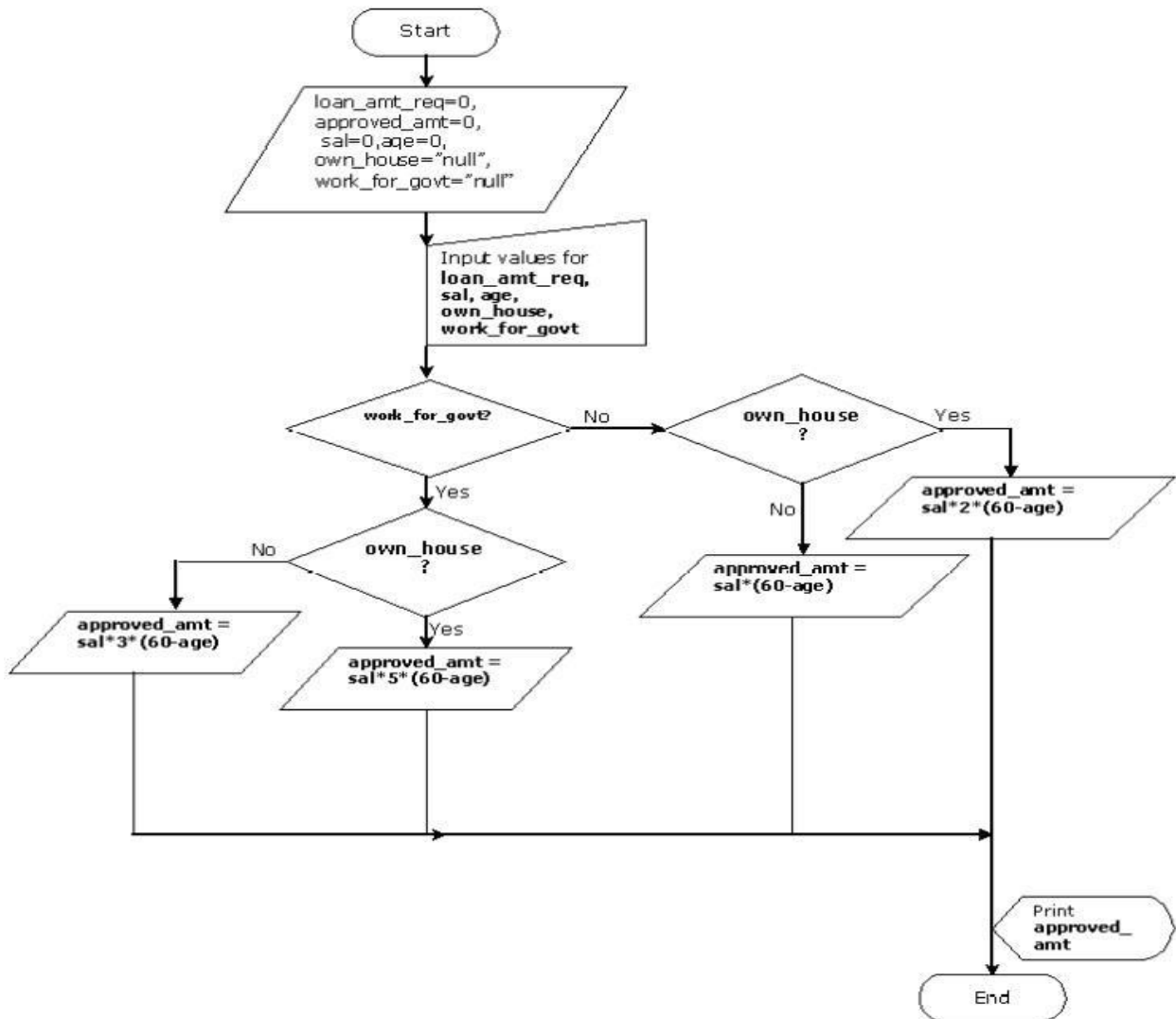
A)   RS.1,75,000 ✅

B)   RS.19,75,000

C)   RS.1825000

D)   RS.20,75,000

terv ▶▶

24.In the following problems, you are told something about the result, and you must determine what the contents of the boxes must have been, in order to obtain that result. In these problems, the expression (number in box X) is abbreviated as (X). For example: "Is (4) greater than (7)?" means "Is (number in box 4) greater than (number in box 7)?" In each of the following problems, no two boxes contain the same number. Which of the boxes 1, 2, 3 CANNOT POSSIBLY contain the largest number, the smallest number?

START

Is (3) greater than (1)?

NO | YES

Is (2) greater than (1)?

YES

Is (2) greater than (1)?

NO | YES

YES

NO

Is (3) greater than (2)?

Is (3) greater than (2)?

NO | YES

NO | YES

Put the letter A into box 4.

Put the letter B into box 4.

Put the letter C into box 4.

Put the letter D into box 4.

Put the letter E into box 4.

Put the letter F into box 4.

END   The letter A is now in box 4.

Which of the boxes 1, 2, 3 contains... the largest number? ⎯⎯⎯⎯⎯⎯⎯⎯⎯
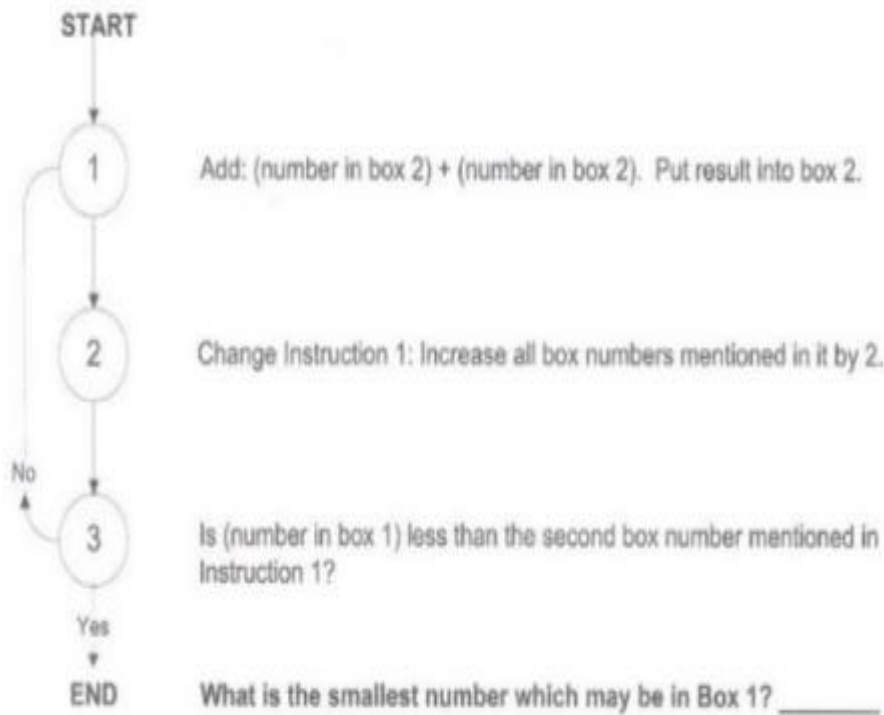
the smallest number? ⎯⎯⎯⎯⎯⎯⎯⎯⎯

A)   BOX2,BOX1

B)   BOX1,BOX3 ✅

C)   BOX2,BOX3

D)   BOX4,BOX3

terv

26.The purpose of the following flowchart is to double the number in each of the Boxes 2, 4,6,8 and 10. In order to accomplish exactly this - no more and no less - What is the smallest number which may be in box 1?
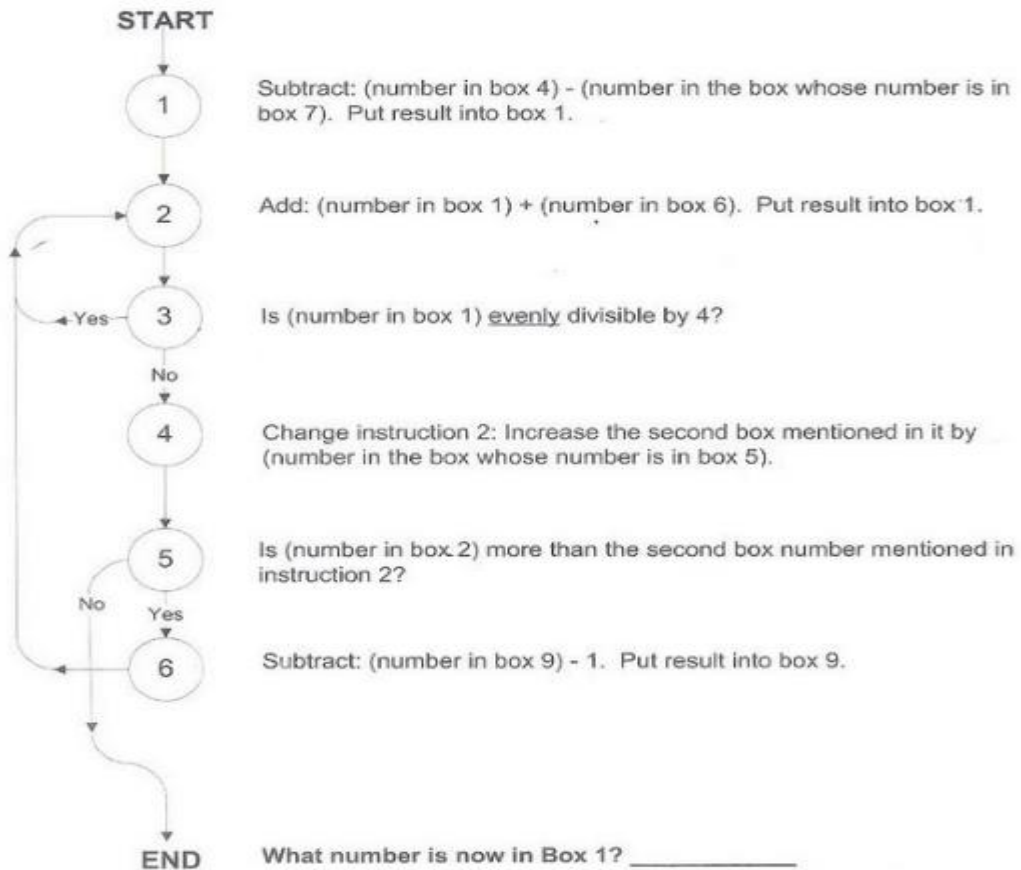
Box No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14

START

① Add: (number in box 2) + (number in box 2). Put result into box 2.

② Change Instruction 1: Increase all box numbers mentioned in it by 2.

No

③ Is (number in box 1) less than the second box number mentioned in Instruction 1?

Yes

END   What is the smallest number which may be in Box 1? _____

A)   10 ✅
B)   9
C)   15
D)   11

27.Study the flowchart give below and the questions that follow.

Box No. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	13	2	5	6	3	10	6	7	2	5	2	6	7	1

START

1. Subtract: (number in box 4) – (number in the box whose number is in box 7). Put result into box 1.

2. Add: (number in box 1) + (number in box 6). Put result into box 1.

3. Is (number in box 1) evenly divisible by 4? — Yes / No

4. Change instruction 2: Increase the second box mentioned in it by (number in the box whose number is in box 5).

5. Is (number in box 2) more than the second box number mentioned in instruction 2? — No / Yes

6. Subtract: (number in box 9) – 1. Put result into box 9.

END   What number is now in Box 1? _____

A) 11

B) 8

C) 2

D) 14 ✅

28.Study the flowchart give below and the questions that follow.

Box No.	1	2	3	4	5	6	7	8	9	10	11	12
	1	2	0	3	7	5	24	7	11	6	1	5

START

1. Add: (number in box 3) + (number in box 11). Put result into box 11.

2. Add: (number in box 1) + (number in the box whose number is in box 9). Put the result into box 5.

3. Multiply: (number in box 4) X (number in box 4). Put result into box 4.

4. Is (number in box 5) = (number in box 10)?

Yes   No

5. Subtract: (number in box 4) - 6. Put result into box 4.

6. Add: (number in box 5) + (number in box 2). Put result into box 5.

7. Subtract: (number in box 7) - (number in box 5). Put result into box 8.

8. Add: (number in box 4) + (number in box 8). Put result into box 6.

END   What number is now in Box 6? _____

A)   19
B)   15
C)   11
D)   27 ✅

29.Study the flow chart given below and the questions that follow. What number is now in Box 8? What number is now in box 11?

Box No.	1	2	3	4	5	6	7	8	9	10	11	12
	8	6	5	7	4	2	2	11	8	-2	2	1

START

1 — Add: (number in box 11) + 3. Put result into box 11.

2 — Put (number in box 1) into box 10.

3 — Is the first box number mentioned in Instruction 2 an odd number?

No / Yes

4 — Go to the instruction whose number is in the box whose number is in box 6.

5 — Change Instruction 2: Increase the first box number mentioned in it by 2.

6 — Add: (number in box 5) + (number in box 11). Put result into box 11.

7 — Change Instruction 2: Increase the first box number mentioned in it and decrease the second box number mentioned in it, each by (number in box 12).

8 — Is the last box number mentioned in Instruction 2 less than (number in box 1)?

Yes / No

9 — Go to the instruction which is the one before Instruction 3.

What number is now in Box 8? _____ (a)   Box 11? _____ (b)

END

A)   17,5
B)   5,17 ✓
C)   8,17
D)   17,8

30.Is the following statement True or False Statement: If the condition in Step C updates the value in Box 3 instead of Box 2, then the flow chart will enter into infinite loop

Box No.

1	2	3	4	5	6	7	8	9	10
13	20	7	12	10	2	5	1	0	18

START

A — Subtract : (number in Box 4) - (number in Box 1). Put the result in Box 10.

B — Is (number in Box 10) < 0 ?

YES
NO

C — Add : (number in Box 9) + (number in Box 5). Put the result in Box 2.

NO

D — Is (number in Box 2) > (number in Box 7)?

YES

E — Multiply : (number in Box 10) x (number in Box 2). Put the result in Box 3.

END
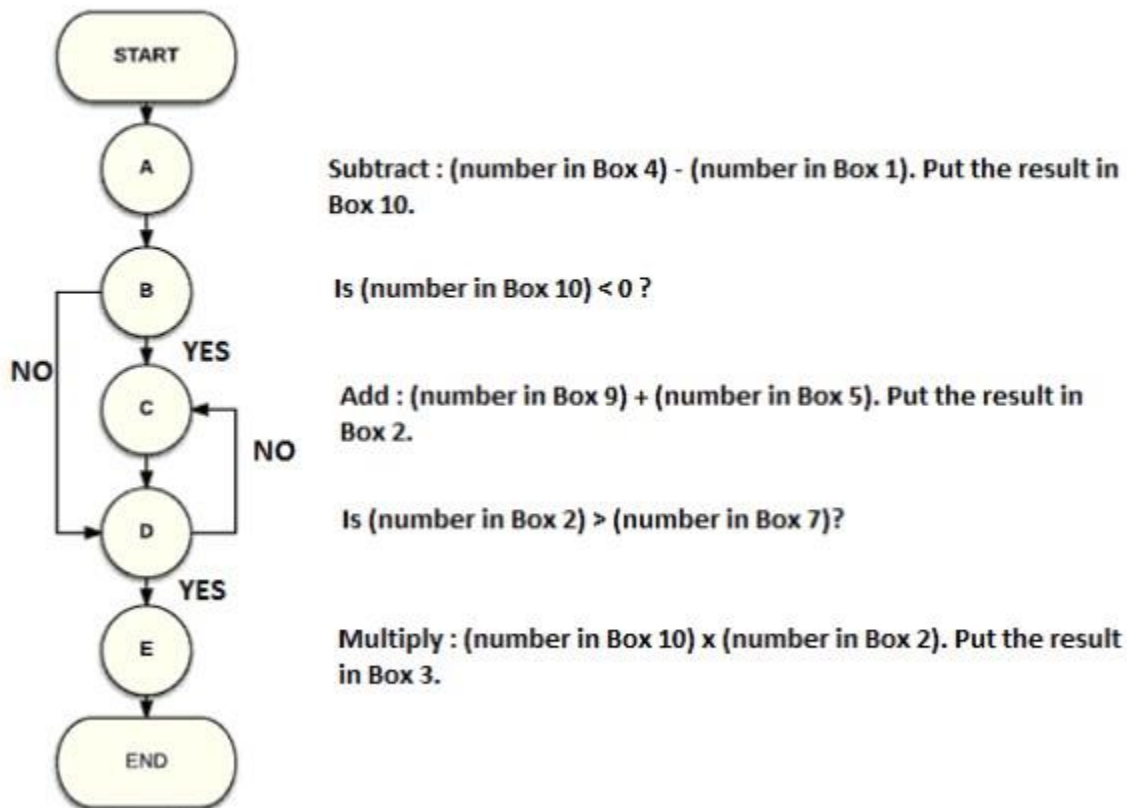
A)   TRUE
B)   CANNOT BE DETERMINED
C)   ZERO
D)   FALSE ✓

terv

31.

Pointing a photograph X said to his friend Y, "She is the only daughter of the father of my mother." How is X related to the person of the photograph?

A) son-in-law

B) son ✅

C) father

D) mother

32Pointing to Varman, Madhav said, "I am the only son of one of the sons of his father." How is Varman related to Madhav?.

A) son

B) FATHER OR UNCLE ✅

C) BROTHER

D) NEPHREW

33.Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?

.

A) BROTHER ✅

B) SON

C) MOTHER

D) NEPHREW

34.The mother of Sukesh is the only daughter of Saritha's father. How Saritha is related to Sukesh? .

A) MOTHER ✅

B) AUNT

C) SISTER

D) BROTHER

terv

35..

Town D is 13 Km. towards the East of town A. A bus starts from town A travels 8 Km. towards West and takes a right turn. After taking the right turn, it travels 5 Km. and reaches town B. From town B the bus takes a right turn again, travels 21 Km. and stops. How far and towards which direction must the travel to reach town D?

A)   13KM TOWARDS SOUTH

B)   5KM TOWARDSWEST

C)   21 KM TOWARDS SOUTH

D)   5KM TOWARDS SOUTH ✅

36. Ricky after travelling for 5 km. took right turn and travelled 6 km. Before taking left turn and then travelled for 3 km. find his final distance from home. ✅

A)   10

B)   9

C)   11

D)   12

37. Kunal walks 10 kilometers towards North. From there, he walks 6 kilometers towards South. Then, he walks 3 kilometers towards East. How far and in which direction is he with reference to his starting point?

.

A)   5KM WEST

B)   5KM NORTH-EAST ✅

C)   7KM EAST

D)   7KM WEST

38. A man is facing towards the west and turns through 45° clockwise, again 180° clockwise and then turns through 270° anti-clockwise. In which direction is he facing now?

A)   WEST

B)   NORTH-WEST

C)   SOUTH

D)   SOUTH-WEST ✅

terv ▶▶

37..Namita walks 14 meters towards west, then turns to her right and walks 14 meters and then turns to her left and walks 10 meters. Again turning to her left she walks 14 meters. What is the shortest distance (in meters) between her starting point and the present position?

A)   10

B)   24 ✅

C)   28

D)   38

38.An ant movers 10 cm towards east and turns to the right-hand moves 3 cm. Then it moves to its right and moved 3 cm. It then turns to his left and moves 2 cm. Finally, it turns to his right and travel's 7 cm. How far and in which direction it is now from the starting point?

A)   10CM,EAST

B)   9CM,NORTH

C)   8CM,WEST

D)   5CM,SOUTH ✅

39..Study the following information to answer the given questions. Sam walked 5m towards north from point A and reached point B. He took a right turn from point B and walked 7m and reached point C. He took a right turn from point and walked 10m to reach point D. He took another right turn from point D and walked 6m to reach point E. Sam took a right turn from point E and walked 5m to reach point F.

If a person walks in a straight line for 8 m towards west from point R, which of the following points would he cross first?

A)   V

B)   Q

C)   T

D)   S ✅

40.Which of the following points are in a straight line?

A)   P,R,V

B)   S,T,Q

C)   P,T,V

D)   S,V,T ✅

terv ▶▶

41.15. A man is standing before a painting of a man and he says I have no bro and sis

and his father is my father's son?

A)   father

B)   son ✅

C)   mother

D)   daughter

42.One grandfather has three grandchildren, two of their age difference is 3, eldest child age is 3 times youngest child's age and eldest child's age is two times of sum of other two children. What is the age of eldest child?

A)   10

B)   9

C)   8

D)   15   ✅

43.In a market 4 man are standing .the average age of the four before 4years is 45,aftyer some days one man is added and his age is 49.what is the average weight of all?

A)   35

B)   24

C)   76

D)   49 ✅

44.One question has last part like difference between two terms is 9 and product of two numbers is 14, what is the squares of sum of numbers?

A)   12

B)   109   ✅

C)   34

D)   122

45.In a question ,last part has ,the ages of two people has the ratio of 6:6 and by adding the numbers we get 44,after how many years the ratio would be 8:7?

A) 6

B) 8 ✅

C) 9

D) 10

46.Two years before Paul's age is 2times the Alice age and the present age of Paul is 6times the Alice. what is the presents Paul's age???(3years) "u try to solve this question once"

A) 10

B) 9

C) 8

D) 3 ✅

47. One year ago Pandit was three times his sister's age. Next year he will be only twice her age. How old will Pandit be after five years?

A) 31

B) 24

C) 76

D) 17 ✅

48.One question has last part like difference between two terms is 9 and product of two numbers is 14, what is the squares of sum of numbers?
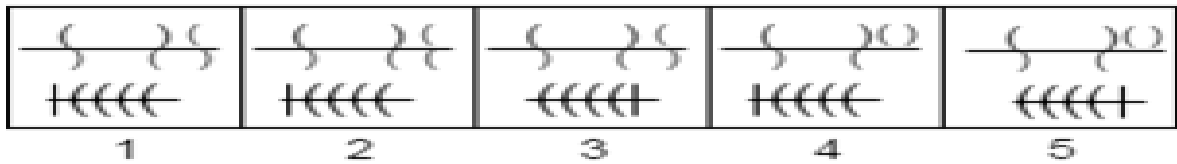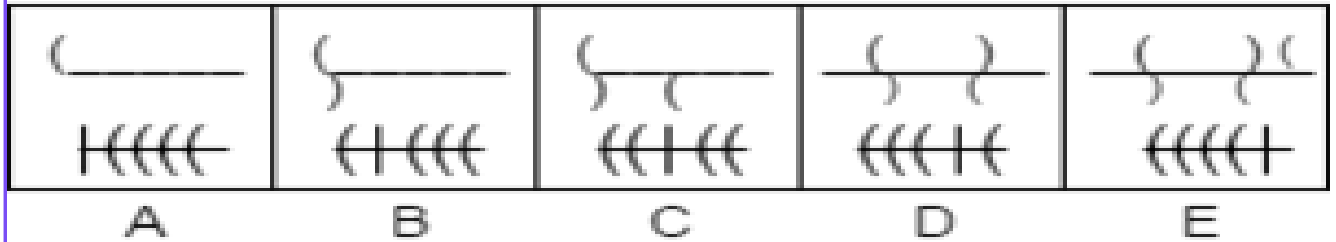
A) 12

B) 109 ✅

C) 34

D) 122

terv

50.. **Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.**

| A | B | C | D | E |

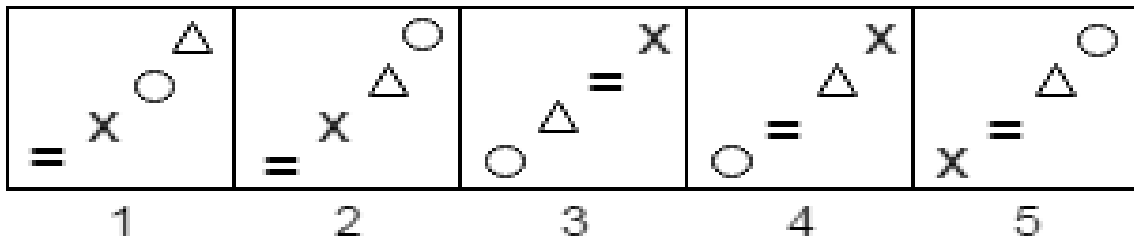| 1 | 2 | 3 | 4 | 5 |
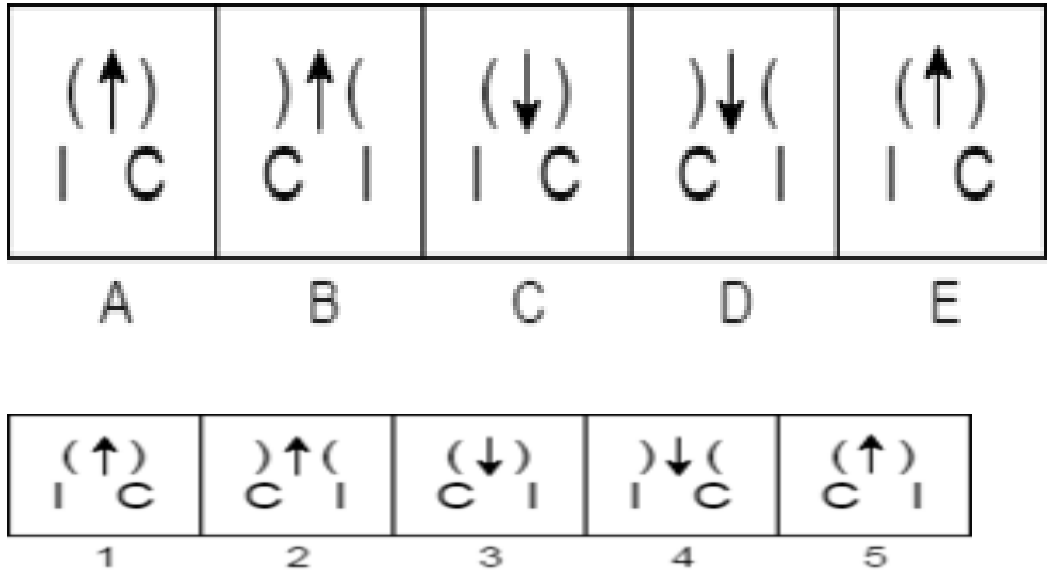
A.1
B.2 ✅
C.3
D.4

51. **Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.**

A. 1 ✓
B. 2
C. 3
D. 4

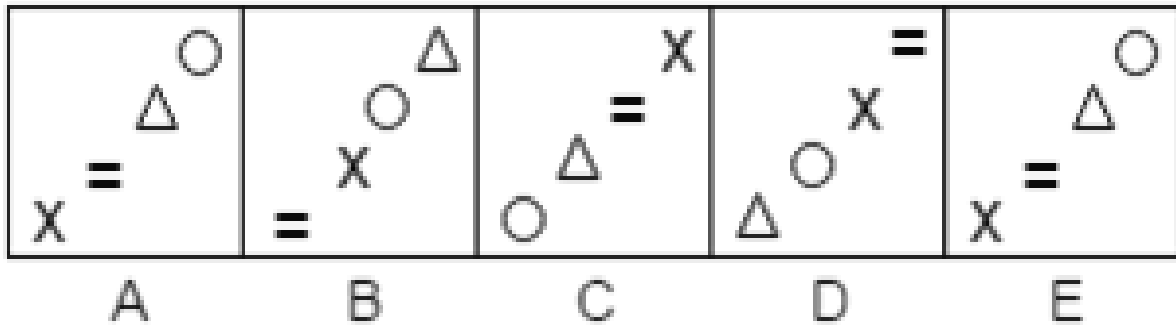**52.Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.**

A.1
B.2
C.3
D.4

53.**Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.**

A	B	C	D	E

1	2	3	4	5

A.1

B.2 ✅

C.3

D.4

terv

54.Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.
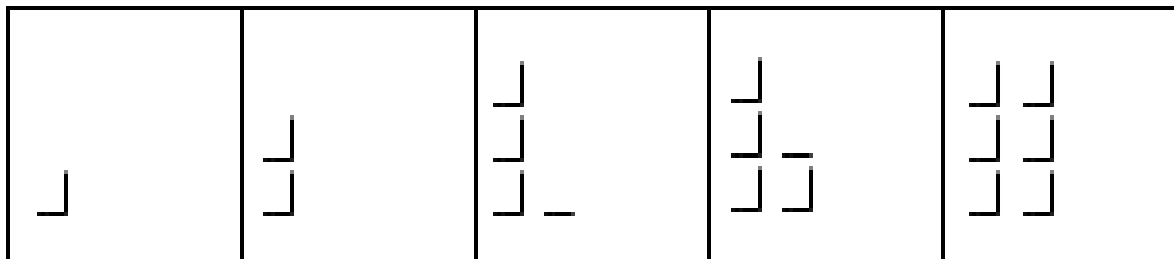

A.1 ✓
B.2
C.3
D.4

55.**Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.**
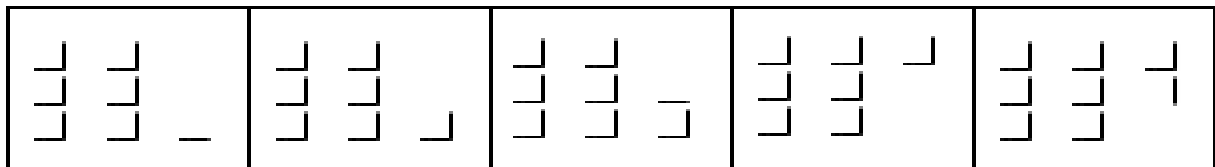
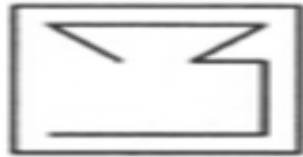

A   B   C   D   E

1   2   3   4   5

A.1
B.2
C.3 ✅
D.4

56.**Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.**
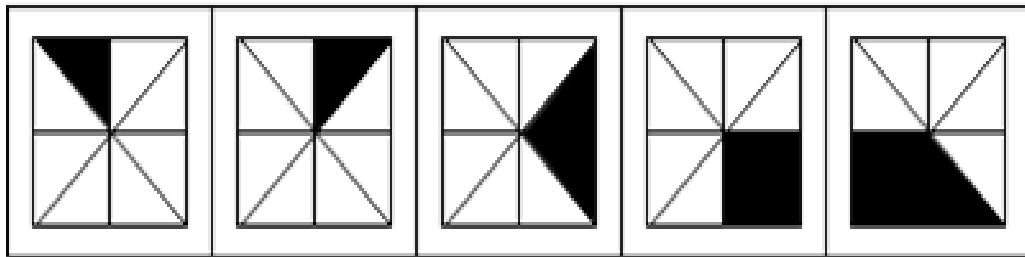

A.1
B.2
C.3
D.4 ✓

terv

57..Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.

A.1

B.2

C.3 ✅

D.4

57..**Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.**
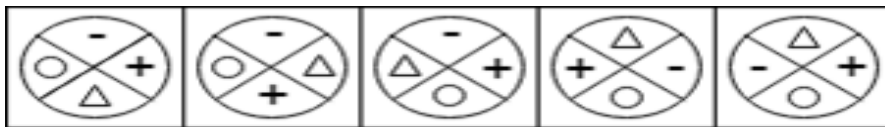
A.1
B.2
C.3
D.4
E.5 ✅

58..**Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures..**

A   B   C   D   E

1   2   3   4   5

A.1 ✅
B.2
C.3
D.4
E.5

terv

59..**Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures..**
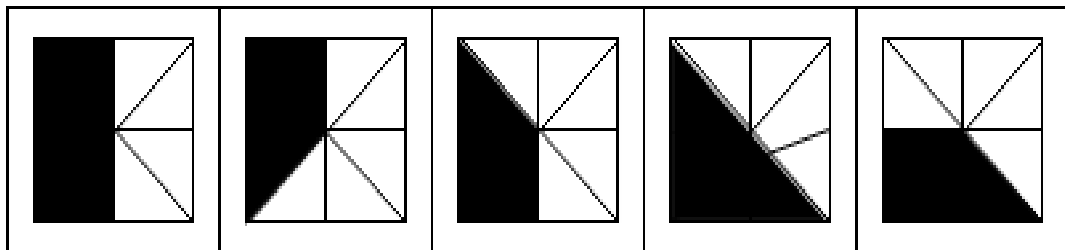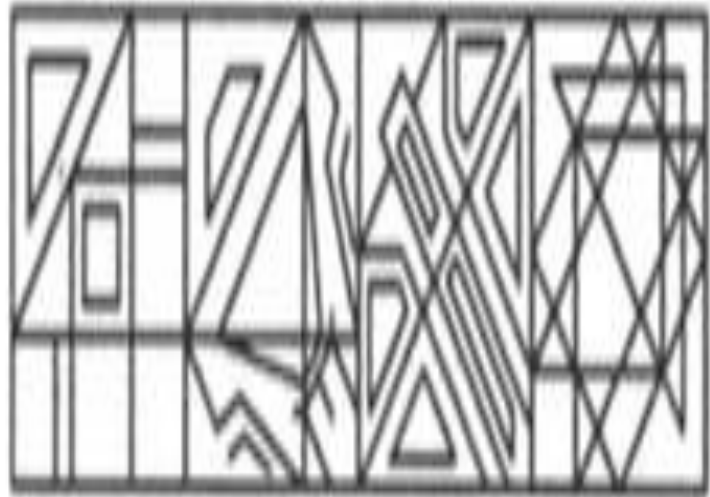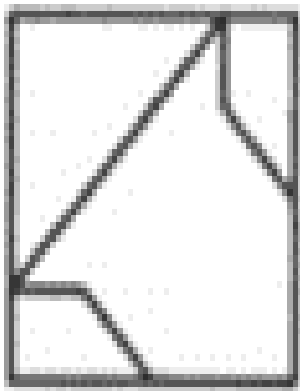
A	B	C	D	E
○ △ / = X	= ○ / X △	X = / △ ○	△ X / ○ =	○ △ / = X

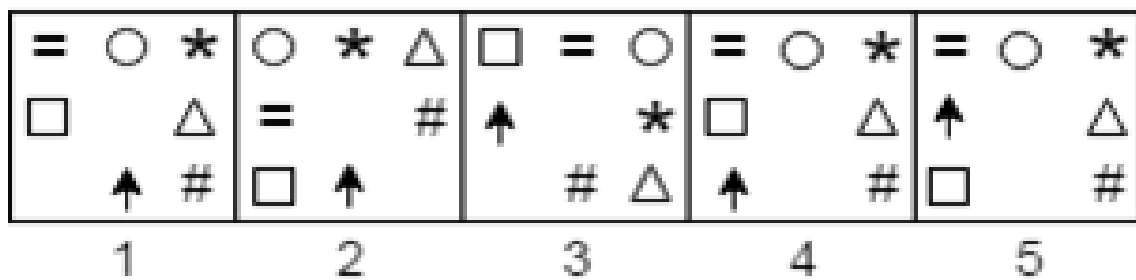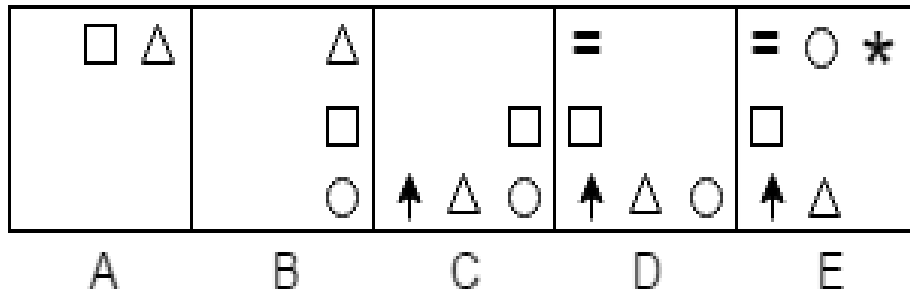| 1	2	3	4	5
△ X / = ○	= ○ / X △	X = / △ ○	△ ○ / = X	X ○ / = △

A.1
B.2 ✅
C.3
D.4
E.5

60Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures..

A.1
B.2
C.3 ✅
D.4
E.5

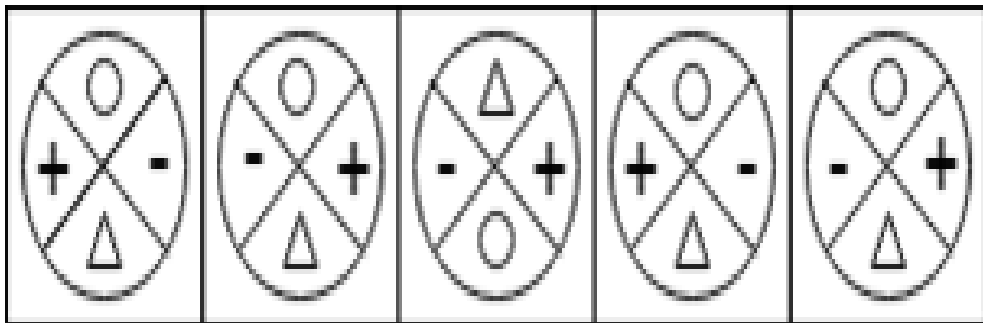61.**Observe the problem figures given and select one option from the answer figures which will continue the same pattern followed in the problem figures.**
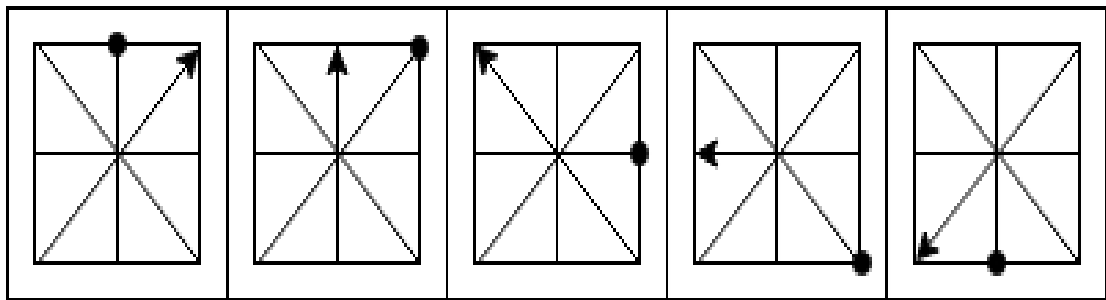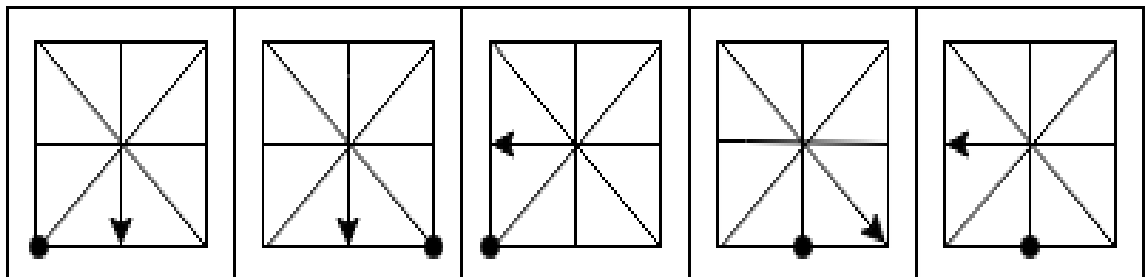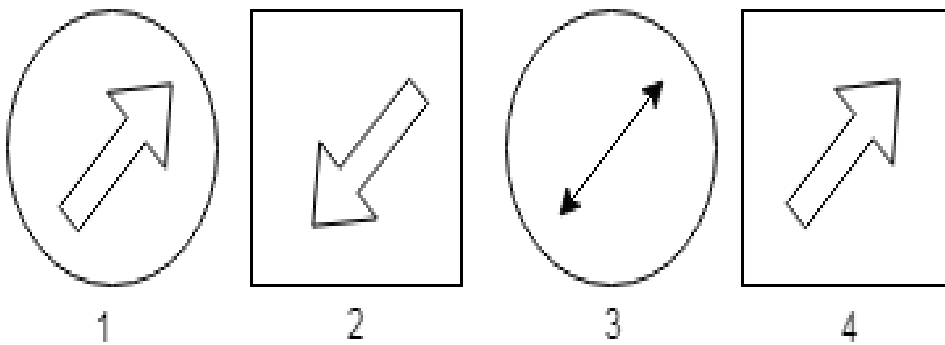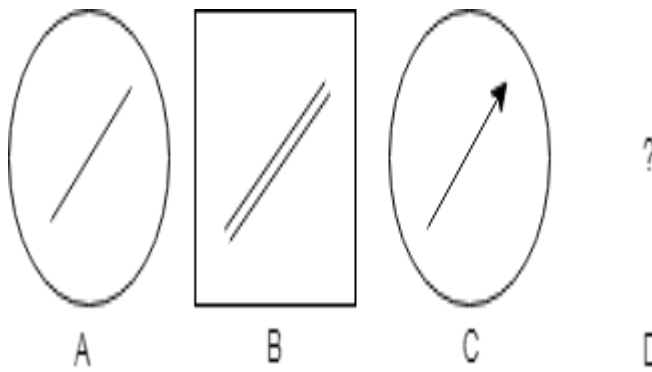

A.1

B.2

C.3

D.4 ✅

E.5

62. Q1) Pointing to a girl in the photograph, Ajay said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Ajay?

A)   GRAND-FATHER

B)   GRAND-MOTHER

C)   DAUGHTER

D)   GRAND DAUGHTER ✅

63. If 'X $ Y' means 'X is father of Y'; 'X # Y' means 'X is mother of Y'; 'X × Y' means 'X is sister of Y', then how is D related to N in N # A $ B × D ?.

A)   GRAND-DAUGHTER

B)   GRAND SON

C)   BROTHER

D)   CANNOT BE DETERMINED ✅

64. Pointing to a photograph, Vipul said, "She is the daughter of my grandfather's only son." How is Vipul related to the girl in the photograph?

.

A)   BROTHER ✅

B)   SON

C)   MOTHER

D)   NEPHREW

65. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D? .

A)   MOTHER

B)   AUNT

C)   GRAND SON

D)   GRAND DAUGHTER ✅

terv ▶▶

66. If A + B means A is the mother of B; A - B means A is the brother B; A % B means A is the father of B and A x B means A is the sister of B, which of the following shows that P is the maternal uncle of Q? ?

A) Q - N + M x P

B) P + S x N - Q

C) P - M + N x Q ✅

D) Q - S % P

67.I If A + B means A is the brother of B; A - B means A is the sister of B and A x B means A is the father of B. Which of the following means that C is the son of M?

A) N + M - F x C

B) F - C + N x M

C) N + M - F x C

D) M x N - C + F ✅

68.Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

.
A)   UNCLE ✅
B)   SON
C)   MOTHER
D)   NEPHREW

69. Pointing to a photograph Lata says, "He is the son of the only son of my grandfather." How is the man in the photograph related to Lata? .

A)   MOTHER
B)   AUNT
C)   GRAND SON
D)   BROTHER ✅

70. Starting from his house, arun goes 4 km in the East, then he turns to his right and goes 3 km. What is the shortest distance to reach his house?   ?

A) 4m

B) 24m

C) 5m ✅

D) 10m

71. Ajay starts from a point in east direction. He walks 10 m and takes a right turn. Now he walks 5m and again takes a right turn. Next he walks 3 m and takes a left turn. Now he walks 6 m and takes a right turn. He finally stops after walking 7m. In which direction is the starting point with respect to the ending point?

A) SE

B) S ✅

C) N

D) NE

72. Anaya started from a point in some direction. After walking for some time, she turned to her right and continued walking. Now walking for some distance she turned to her left and after this finally to her right. If now she is walking in west direction, in which direction did she started her journey?

.

A)   EAST

B)   WEST

C)   NORTH

D)   SOUTH ✅

73. Point A is 8 m north of point B. Point B is 10 m west of point C. Point C is 11 m north of point D. Point F is 4 m north of point E which is 6m west of point D. A person starts from point F, reaches point G, then takes a left and then a right turn to reach point   B.   Find   FG   +   BC   .

A)   13

B)   12

C)   15

D)   14 ✅

terv ▶▶

74. Point A is 10 m west of point B. Point B is 6 m south of point C and also 7 m north of point D. Point E is 4 m west of point D. Point C is 6 m east of point F. A person starts from point D, walks 10 m in north direction and reaches point S. He takes a right turn, walks 2 m and reaches point X. Find distance ?

A) 15.65

B) 16.45

C) 19.4

D)17 ✅

75. Wasim starts from point A, walks 10 m in south direction. Now he takes a left turn and walks 8m before turning left again. Next he walks 16 m and takes a right turn. Now he walks 4 m and takes a right turn again. He stops after walking 10 m. Find his distance from point A.

A) 12.9

B) 19.2

C) 12.65 ✅

D) 14.5

76. G is 9m to the south of E. E is 5m to the east of K. K is 4m to the east of H. I is 5m south of H. J is 7m west of I. L is 8m south of J. If P is 4m to the south of G, then find the distance between L and P?
.

A)   10M

B)   19M

C)   9M

D)   16M ✅

77. The distance between P and S is 50m and that between R and T is 60m. T is to the west of R, which is to the north of P at a distance of 80m. S is to the northwest or south of T If K is northeast of R, then what is the distance between K and R?

A)   40M

B)   50M

C)   60M

D)   CAN'T SAY ✅

terv

78. P is 6m to the south of R. H is 9m to the right of P. K is 2m to the left of H. S is 5m to the left of K. P is in which direction with respect to K?   ?

A) N

B) NE ✓

C) S

DSW

79. D is 15m to the south of A. C is 10m to the east of D. E is 10m to the north of C. F is 10m to the west of E. G is 20m to the west of A. H is 20m to the south of F. K is 10m to the south of C In which direction is E with respect to G?

A) NE

B) SW

C) NW

D) SE ✓

80. Sameer facing north rotates 100(degree) right then 190(degree) left. what is new direction of sameer ?

A)   E

B)   W ✓

C)   N

D)   S

81. Kamal is 10m to the south of Ratul. Nitin is 20m to the East of Kamal. Asif is 15m to the North-West of Kamal, who is 5m to the East of Jatin Nitin is in which direction with respect to Asif?

A)   SE ✓

B)   S

C)   NW

D)   N

82.Study the flowchart shown below to answer the following questions.AT THE END OF FLOWCHART WHICH BOX IS UNCHANGED

Box No.

1	2	3	4	5	6	7	8	9	10
13	20	7	12	10	2	5	1	0	18

START

A — Subtract : (number in Box 4) - (number in Box 1). Put the result in Box 10.

R — Is (number in Box 10) < 0 ?

YES

NO

C — Add : (number in Box 9) + (number in Box 5). Put the result in Box 2.

NO

D — Is (number in Box 2) > (number in Box 7)?

YES

E — Multiply : (number in Box 10) x (number in Box 2). Put the result in Box 3.

END
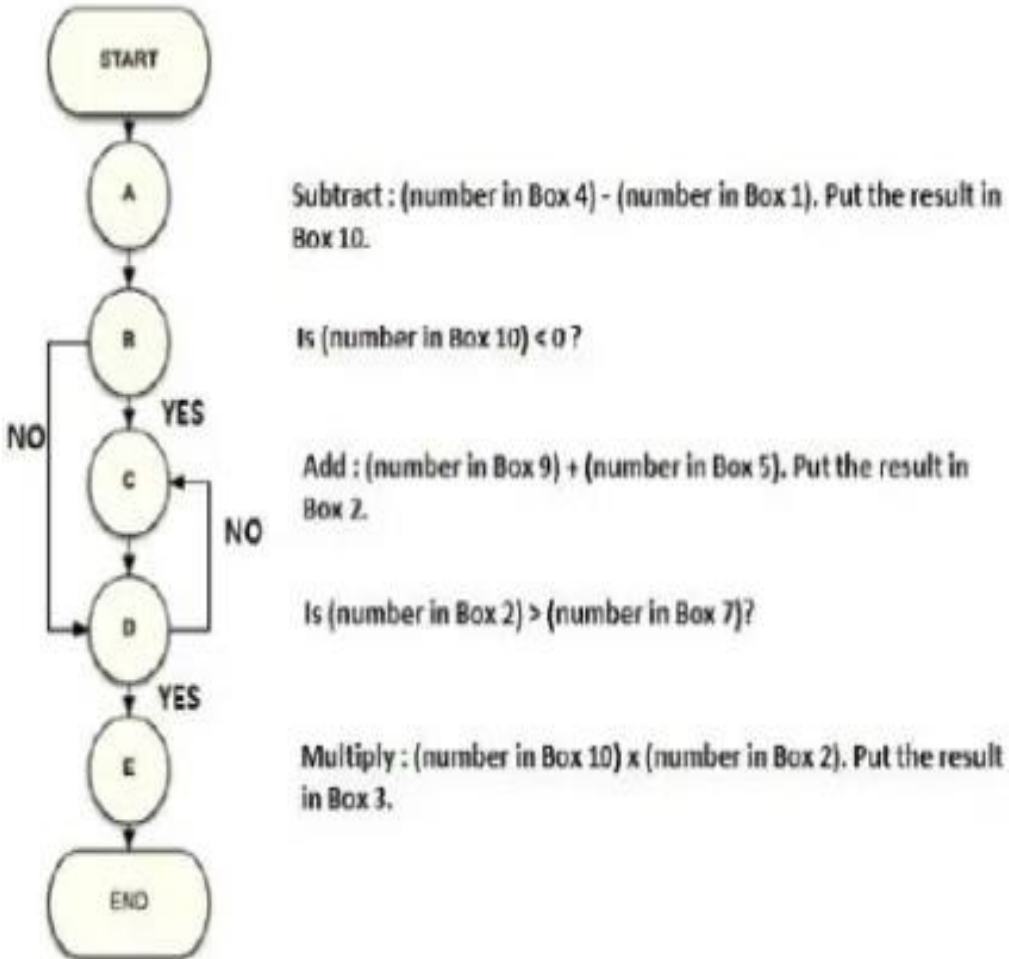
A) BOX3
B) BOX7 ✔
C) BOX2
D) BOX10

terv

83.IS THE FOLLOWING TRUE OR FALSE.IF CONDITIONIN STEP C UPDATESTHE VALUE IN BOX 3INSTEAD OF BOX2,THEN FLOWCHART LEADS TO INFINITE LOOP

Box No.

1	2	3	4	5	6	7	8	9	10
13	20	7	12	10	2	5	1	0	18

START

A — Subtract : (number in Box 4) - (number in Box 1). Put the result in Box 10.

B — Is (number in Box 10) < 0 ?

YES

NO

C — Add : (number in Box 9) + (number in Box 5). Put the result in Box 2.

NO

D — Is (number in Box 2) > (number in Box 7)?

YES

E — Multiply : (number in Box 10) x (number in Box 2). Put the result in Box 3.

END
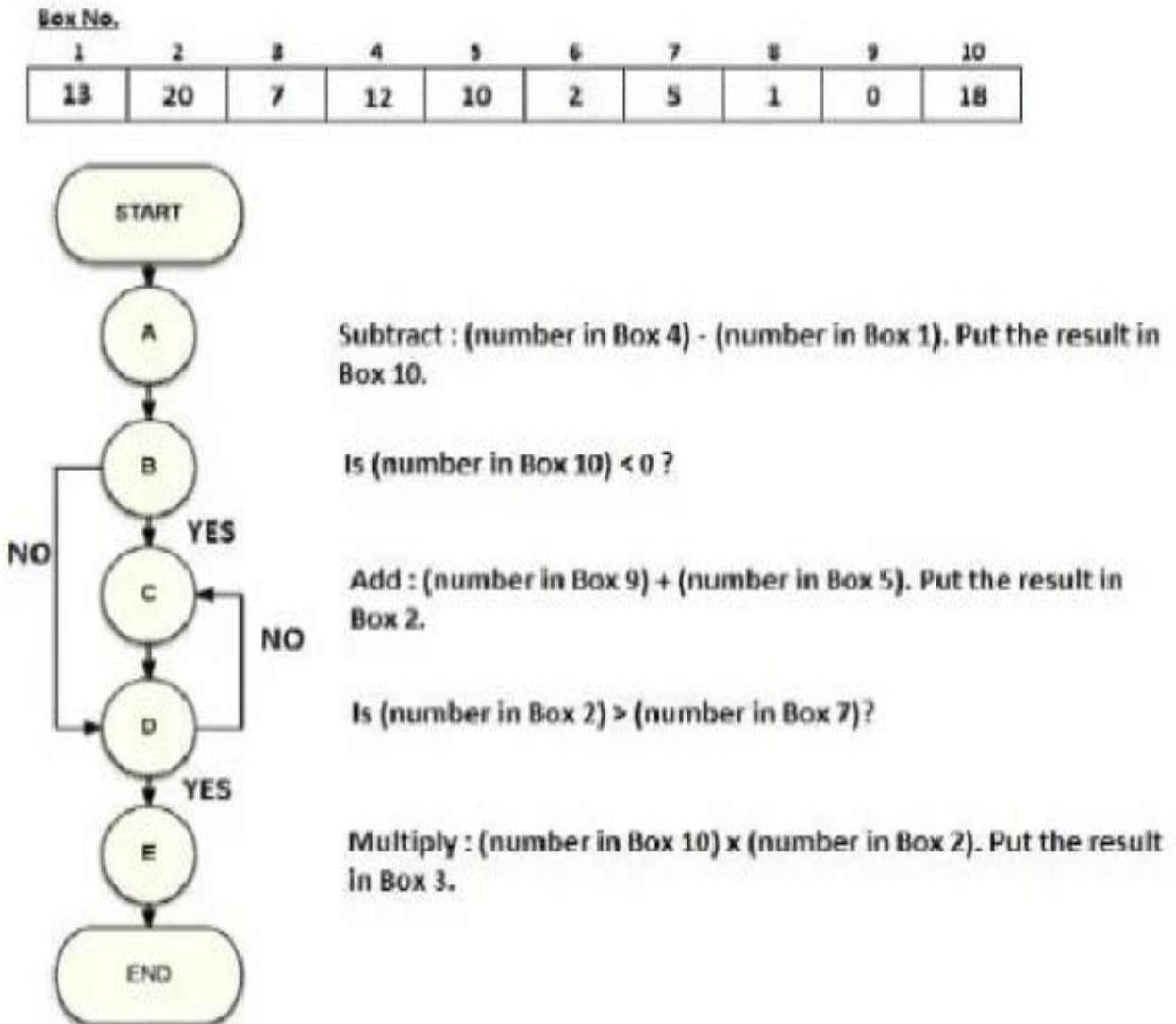
A) TRUE ✓

B) FALSE

C) CAN'T BE DETERMINED

84Study the flowchart shown below to answer the following.THE PURPOSE IS TO PUT A ZERO IN EACH OF BOX2,4,6.IN ORDER TO ACCOMPLISH EXACTLY -NO MORE ANDNO LESS .WHICH NUMBER MUST BEIN BOX3?

Box No.	1	2	3	4	5	6	7	8	9	10	11	12
	7	6		1	6	10	4	3	2	14	8	9

START

1 — Subtract: (number in box 12) - (number in box 12). Put result into box 2.

No

2 — Change Instruction 1: Increase the last box number mentioned in it by 2.

3 — Is the last box number mentioned in Instruction 1 equal to (number in box 3)?

Yes

END — What number must be in Box 3? _____
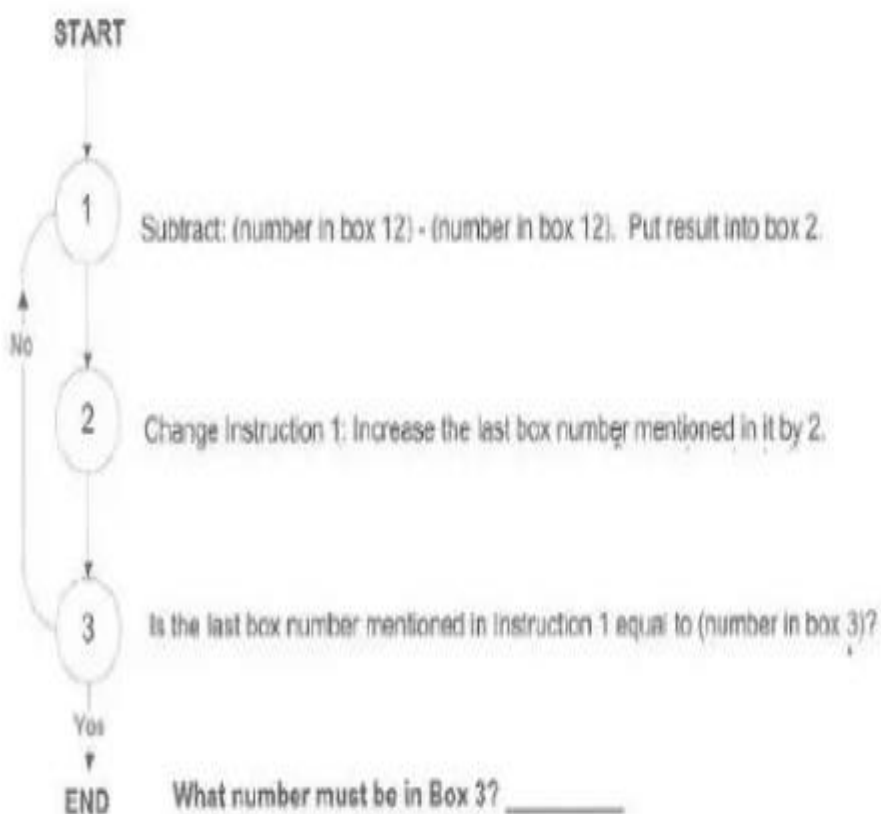
A) 3 ✓
B) 10
C) 19
D) 6

85.Study the flowchart shown below to answer the following.WHAT NUMBER IN BOX1?

Box #	1	2	3	4	5	6	7	8
	3	7	2	1	5	12	4	0

Start

① Put (number in box 8) into box 1.

② Add: (number in box 1) + (number in box 2), put result into box 1.

③ Change Instruction 2: increase the second box-number mentioned in it, by 1.

④ Is the second box number mentioned in Instruction 2, greater than (number in box 7)?

NO

YES

END What number is now in box 1?
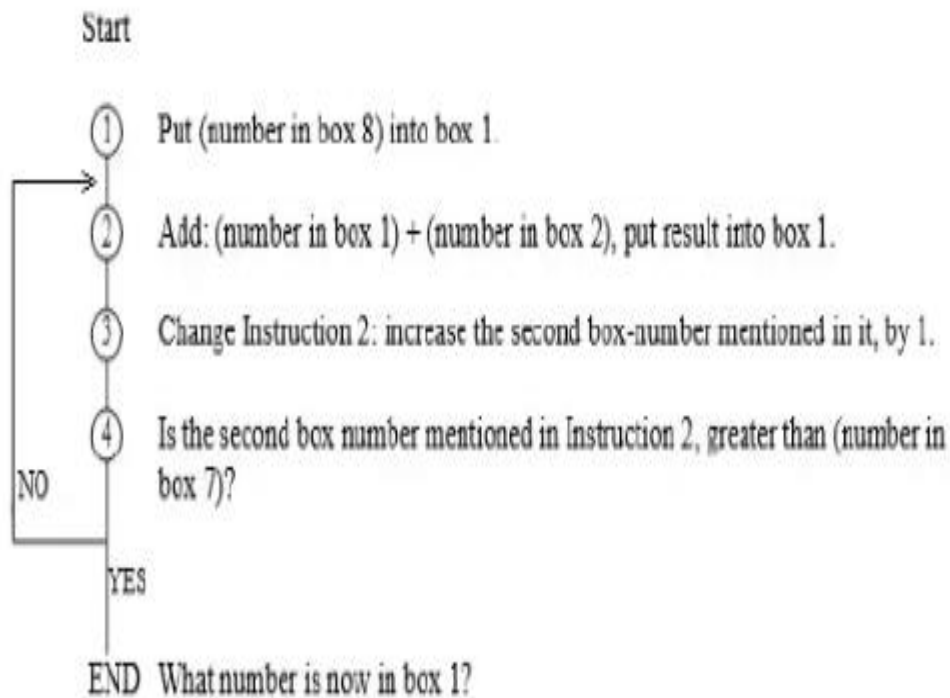
A) 10

B) 9

C) 11

D) 6

86.Study the flowchart shown below to answer the following.THE PURPOSE IS TO ADD UP THE NUBER IN BOX6,7,8,9,PUT TOTAL IN BOX1,6.IN ORDER TO ACCOMPLISH EXACTLY -NO MORE AND NO LESS .WHAT NUMBER MUST BEI N BOX3.

Box #	1	2	3	4	5	6	7	8	9
	3	15		2	1	4	3	12	10

START

① Subtract: (number in box 1) - (number in box 1), put result in box 1.

② Add: (number in box 1) + (number in box 6), put result into box 1.

NO ③ Is (number in box 3) greater than the second box-number mentioned in Instruction 2?

YES

④ Change Instruction 2: Increase the second box-number mentioned in it, by

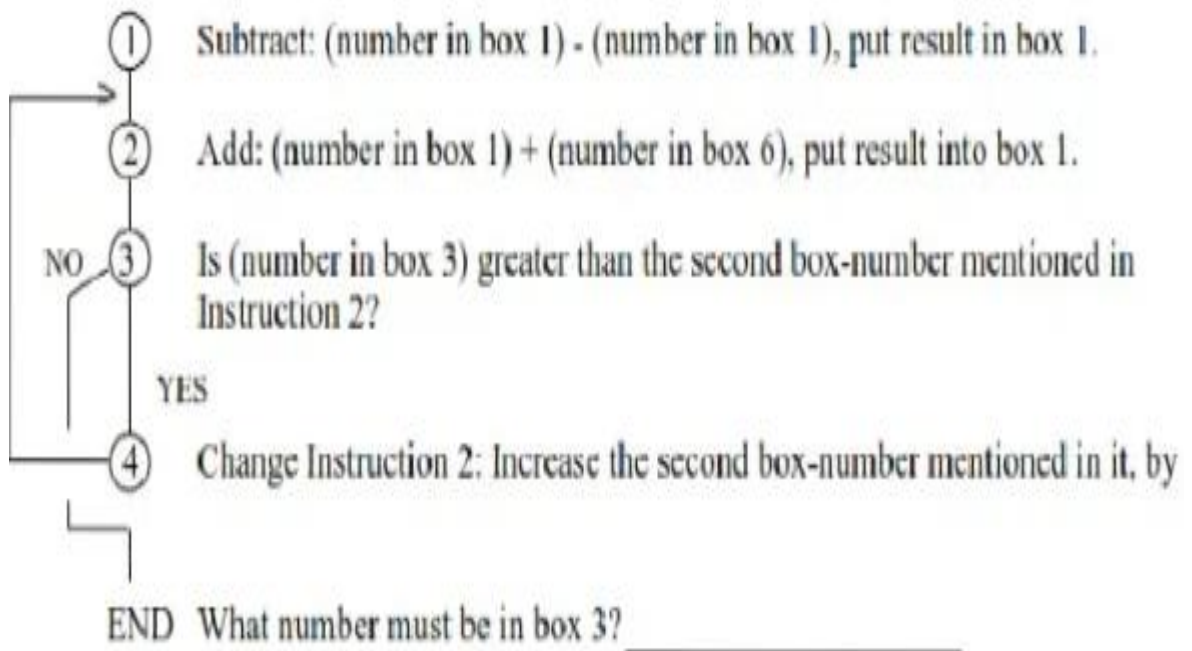END What number must be in box 3? _____

A)   3

B)   9 ✅

C)   7

D)   6

87..Study the flowchart shown below to answer the following questions.

Box #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

START

① Add: (number in box 13) + (number in box 13), put result into box 13.

② Change Instruction 1: Decrease all box-numbers mentioned in it, by 3.

NO ③ Is (number in box 14) greater than the second box-number mentioned in Instruction 1?

YES

END What is the SMALLEST number which may be in box 14?_____
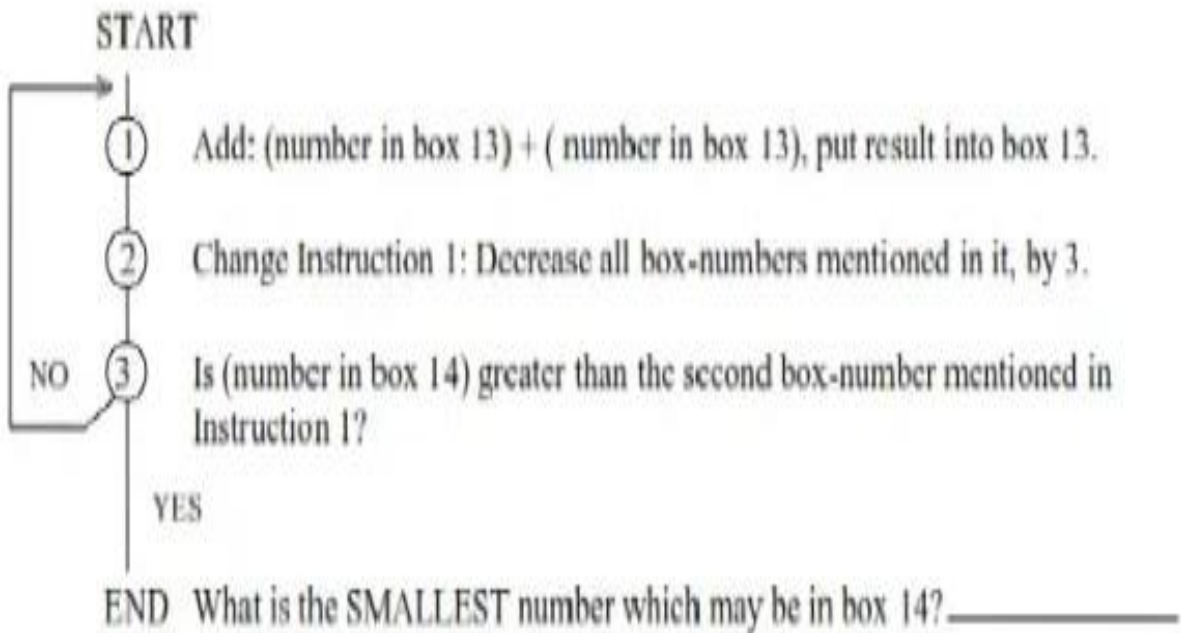
A) 4 ✓
B) 8
C) 5
D) 1

88..Study the flowchart shown below to answer the following questions.

START

YES ①   Is (number in box 1) less than (number in box 2)?

NO

②   Put (number in box 1) into box 4.

③   Put (number in box 2) into box 1.

④   Put (number in box 4) into box 2.

YES ⑤   Is (number in box 3) less than (number in box 2)?

NO

⑥   Put (number in box 2) into box 4.

⑦   Put (number in box 3) into box 2.

⑧   Put (number in box 4) into box 3.

END
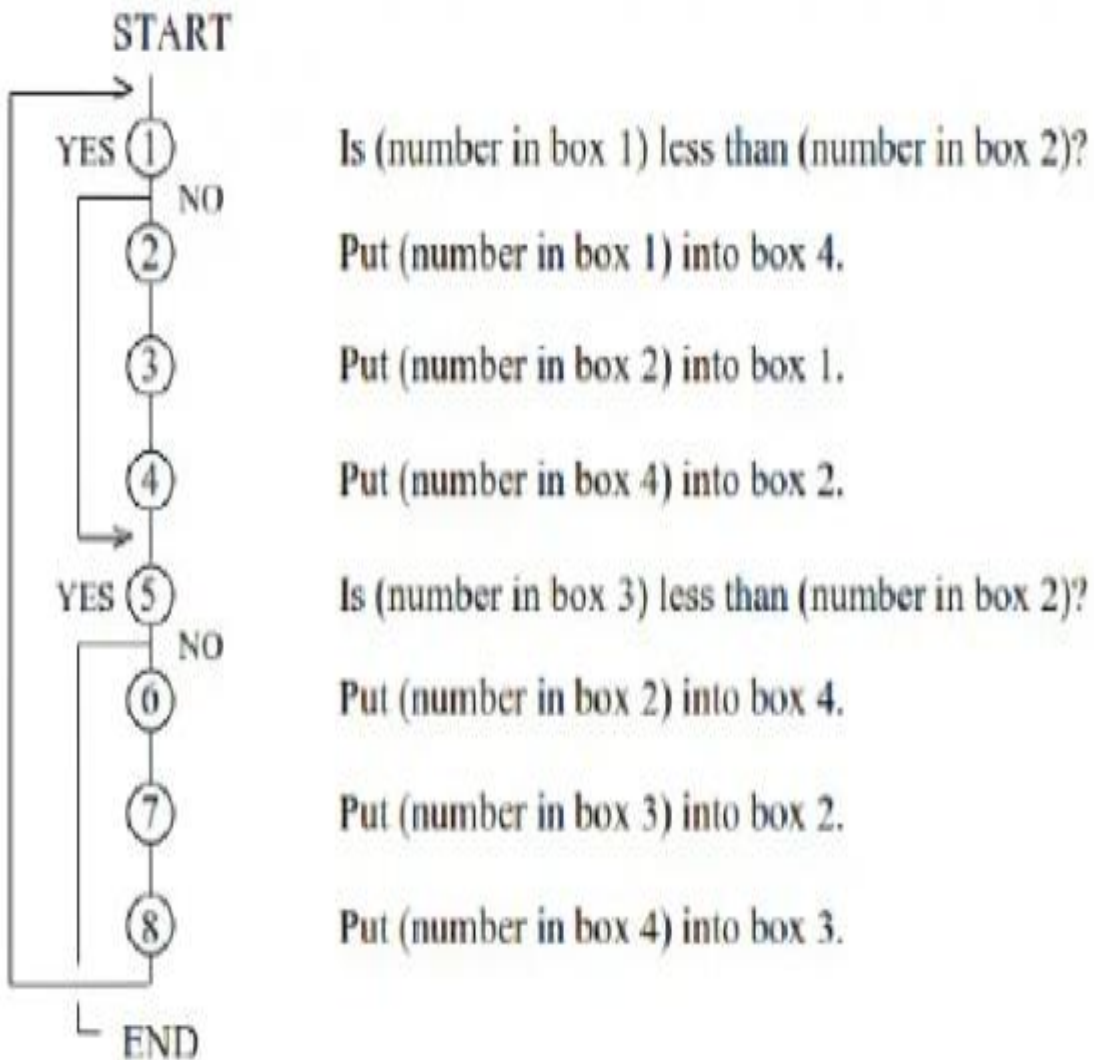
A) INSTRUCTION5BOX2BOX3
B) INSTRUCTION5 BOX3 BOX2 ✅
C) INSTRUCTION 4 BOX2 BOX3
D) NONE

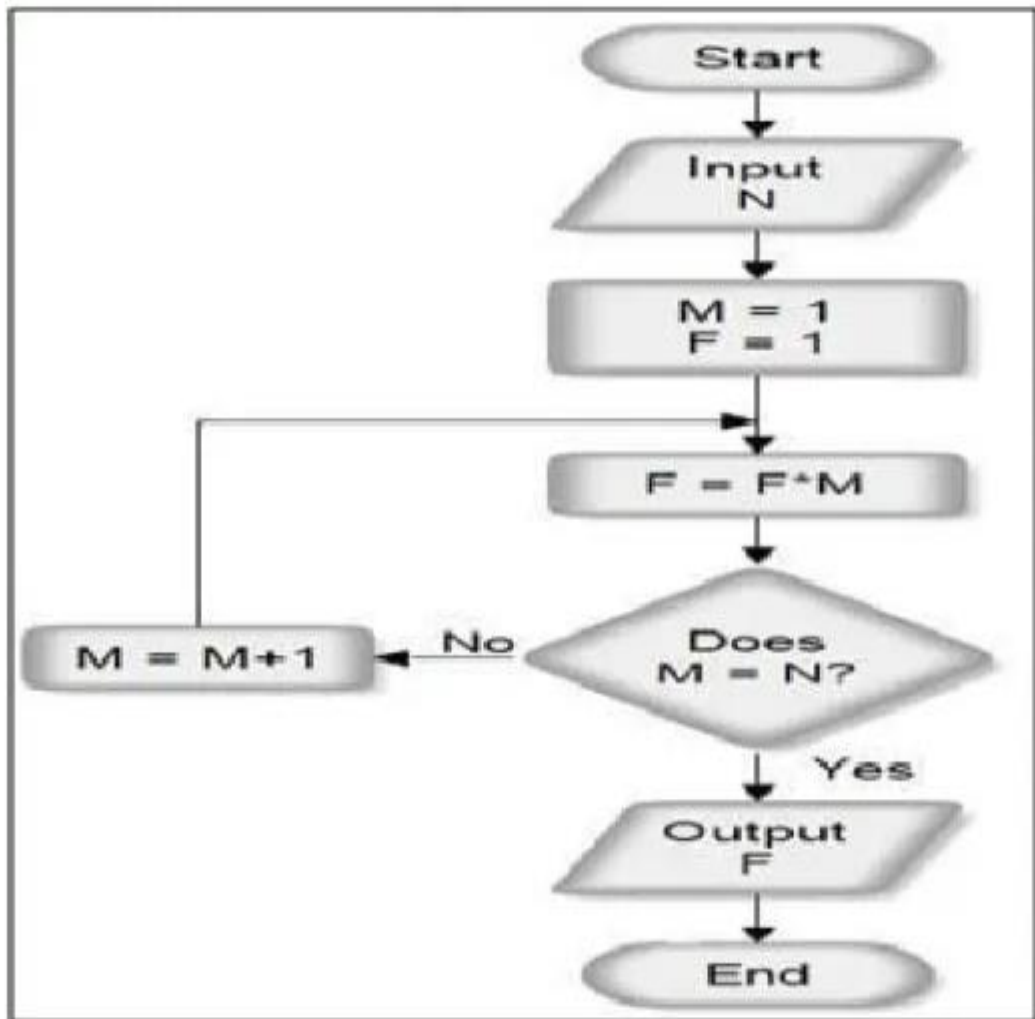**89...Study the flowchart shown below to answer the following questions. IN WHICH SITUATION FLOWCHART STUCK IN INFINITE LOOP**
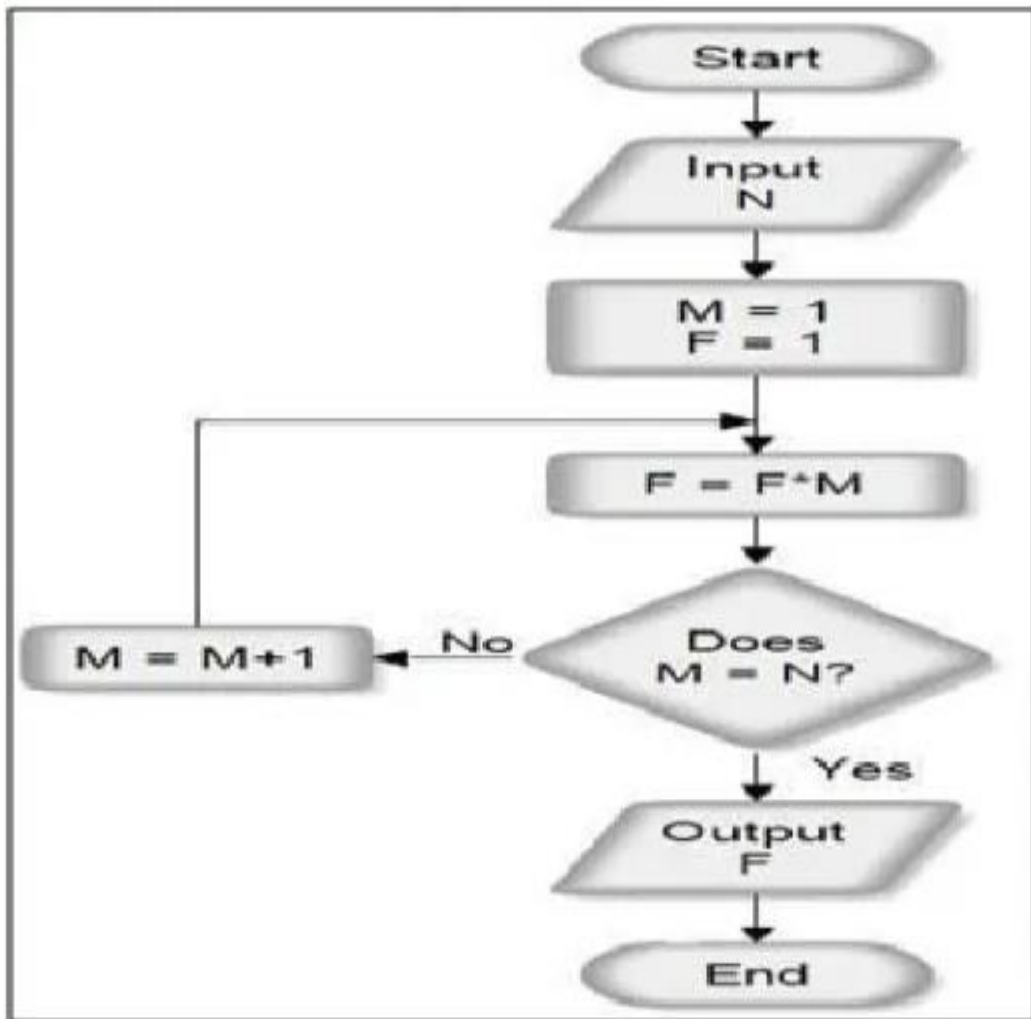
A)   N>=0

B)   N<=0   ✓

C)   M>N

D)   N<M

90..Study the flowchart shown below to answer the following questions. WHICH OF FOLLOWING CORRECTLY REPRESENTS THE BUG IN THIS FLOWCHART?

A) NOT HANDLED FOR N=M

B) NOT HANDLED FOR N<=0 ✓

C) NOT HANDLED FOR N<M

D) NOT HANDLED N>M