

Banking Daily Quiz Blog - November 15



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Directions: Answer the following questions by selecting the most appropriate option.

1. In order to separate a mixture of sand and salt, which one of the following four sequences of process has to be used.

A Evaporation

B Decantation

C Sedimentation

D Sedimentation & evaporation both

E None of the above

Solution

A mixture of sand and salt can be separated by combination of methods. The first method is sedimentation and decantation. This mixture is put in water and left for the sand to settle for some time. Then, we will decant the salty water, which will separate the sand from the mixture. Now the salt can be separated from the water by evaporation. The water will boil away,

leaving the salt behind. So, the mixture of the sand, salt and water has been separated successfully using a combination of sedimentation, decantation, evaporation and condensation.

Directions: Answer the following questions by selecting the most appropriate option.

2. A Science teacher administered a test after teaching the topic on ‘Respiration’ and observed that majority of the students did not understand the difference between respiration and breathing. This could be due to the reason that

A She was not their class teacher.

B The students could not understand the question correctly.

C There was usually lot of indiscipline in her class.

D She could not explain the related concept effectively in the class.

E None of the above

Solution

This is because she could not explain the related concept effectively in the class.

Direction: In the following question assuming the given statements to be true, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.

3. **Statements:** $V \leq K < D = S$; $D < B < O$; $A \geq D < T$

Conclusions:

I. $A > B$

II. $V < T$

A None is true

B Only I is true

C Only II is true

D Both are true

E Can't be determined

Solution

Given statements: $V \leq K < D = S$; $D < B < O$; $A \geq D < T$

On combining: $V \leq K < D < B < O$; $A \geq D = S$; $D < T$

Conclusions:

I. $A > B \rightarrow$ False (as $A \geq D < B \rightarrow$ thus clear relation between A and B cannot be Determined)

II. $V < T \rightarrow$ True(as $V \leq K < D < T \rightarrow V < T$) Therefore, only conclusion II is true.

Direction: In the following question assuming the given statements to be true, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.

4. **Statements:** $C \leq R \leq N = K \geq F$; $Q \geq K < O$; $D \geq L$; $C \geq D \leq T \geq Z$

Conclusions:

I. $C < O$

II. $D < N$

A None is true

B Only I is true

C Either I or II is true

D Can't be determined

E Both are true

Solution

Given statements: $C \leq R \leq N = K \geq F$; $Q \geq K < O$; $D \geq L$; $C \geq D \leq T \geq Z$

On combining: $C \leq R \leq N = K < O$; $F \leq K = N \geq R \geq C \geq D \leq T \geq Z$

Conclusions:

I. $C < O \rightarrow \text{True}$ (as $C \leq R \leq N = K < O \rightarrow C < O$)

II. $D < N \rightarrow \text{False}$ (as $D \leq C \leq R \leq N \rightarrow D < N$)

5. Study the following information and answer the questions.

Six persons namely A, B, C, D, E and G are having a different number of pens. No two persons have a similar number of pens. B has more number of pens than C. E has more number of pens than D and G. C does not have a minimum number of pens. B has more number of pens than E but less number of pens than A. C has less number of pens than G. G has 18 pens.

A. How many numbers of pens may D have?

A 20

B 28

C 19

D 22

E 14

Solution

Based on the given information we have the final arrangement as follows:

| |
|------------------------|
| A – maximum no. of pen |
| B |
| E |
| G – 18 |
| C |
| D – minimum no. of pen |

Hence, D have 14 pens.

B. Who among the following person has a maximum number of Pens?

A C

B A

C E

D B

E

None of these

Solution

Based on the given information we have the final arrangement as follows:

| |
|------------------------|
| A – maximum no. of pen |
| B |
| E |
| G – 18 |
| C |
| D – minimum no. of pen |

Hence, A has maximum number of pens.

6. How many such pairs of letters are there in the word “LAYOUT”, each of which has as many letters between them in the word (in both forward and backward Directions) as they have between them in the English alphabetical series?

A Three

B Four

C One

D Two

E Six

Solution



The following diagram represents :

| | | | | | | |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Letter | L | A | Y | O | U | T |
| Position | 12 | 11 | 25 | 15 | 21 | 23 |

Forward pair: LO

Backward pair: TU

Hence, there are two such group.

7. Direction: Read the following instruction carefully and answer the questions that follow:

Certain people are sitting in a row facing North. There are as many people to the right of Z as there are to the left of Z. Y is third to the left of U who sits fourth from one of the extreme ends of the row. T sits at one of the extreme ends of the row. There are five persons sitting between T and W. X sits exactly in the middle of T and W. Two persons sit between W and Z. Y does not sit at any of the extreme ends of the row. There are as many persons sitting between Y and V as many are sitting between W and Y. V sits at one of the ends and there are 2 people between V and U.

A. How many persons are sitting in the row?

A 20

B 21

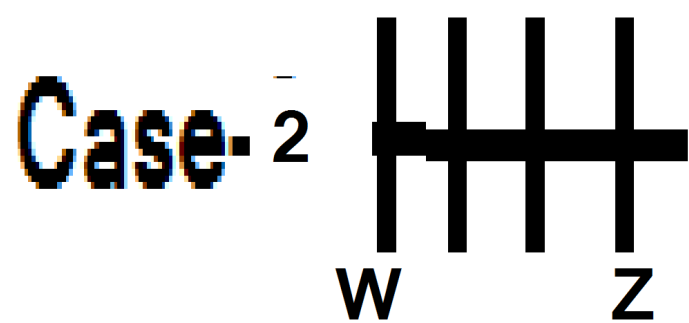
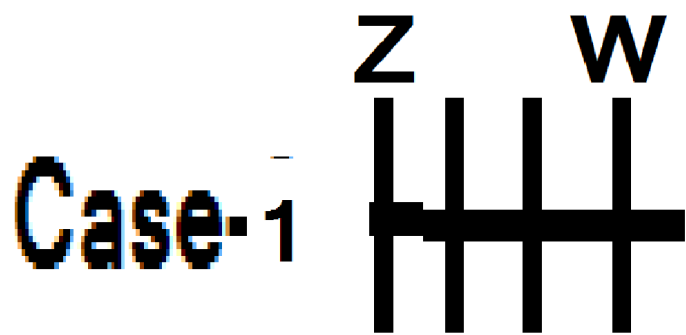
C 24

D 18

E 17

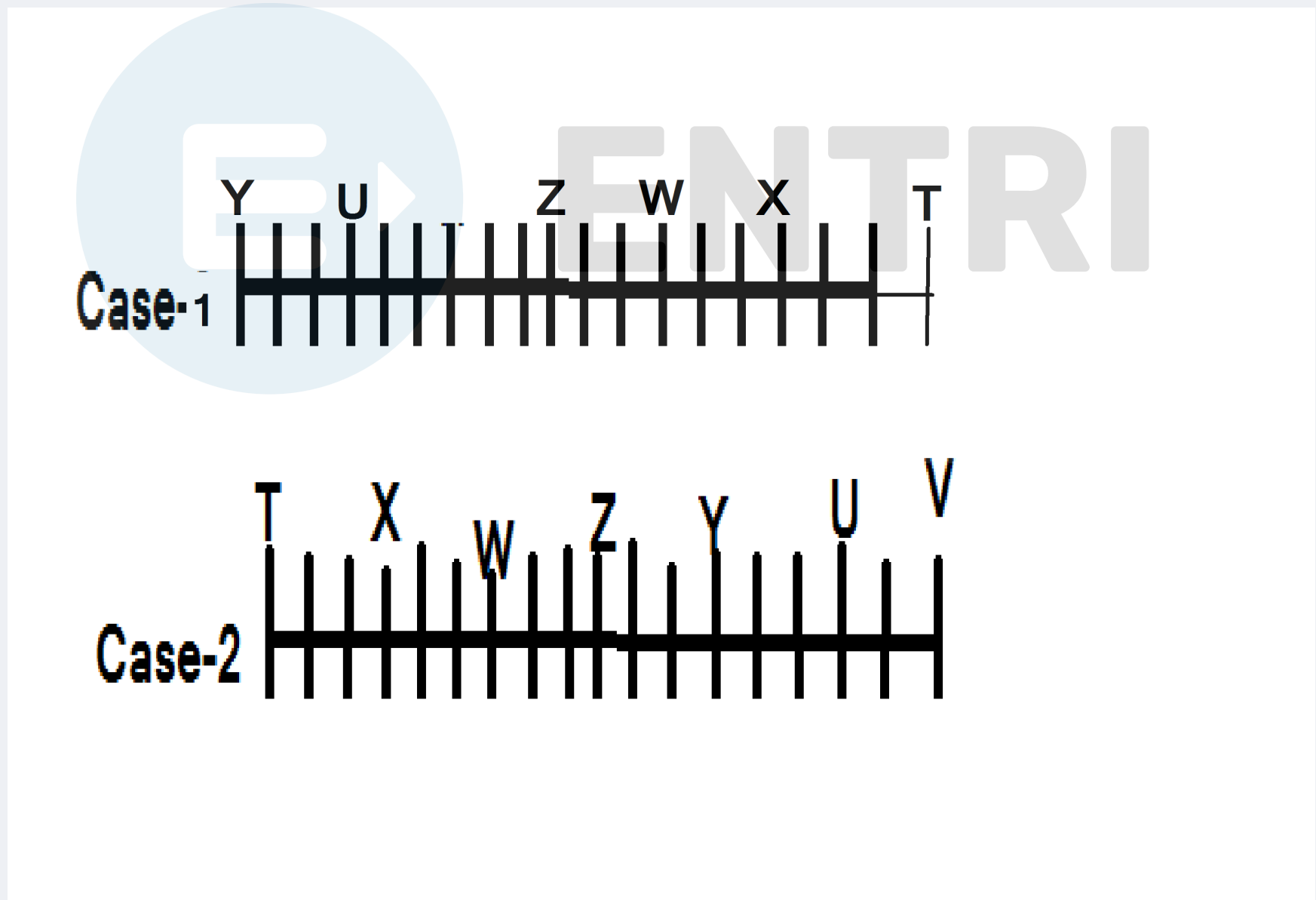
Solution

There are as many people to the right of Z as there are to the left of Z. Two persons sit between W and Z.

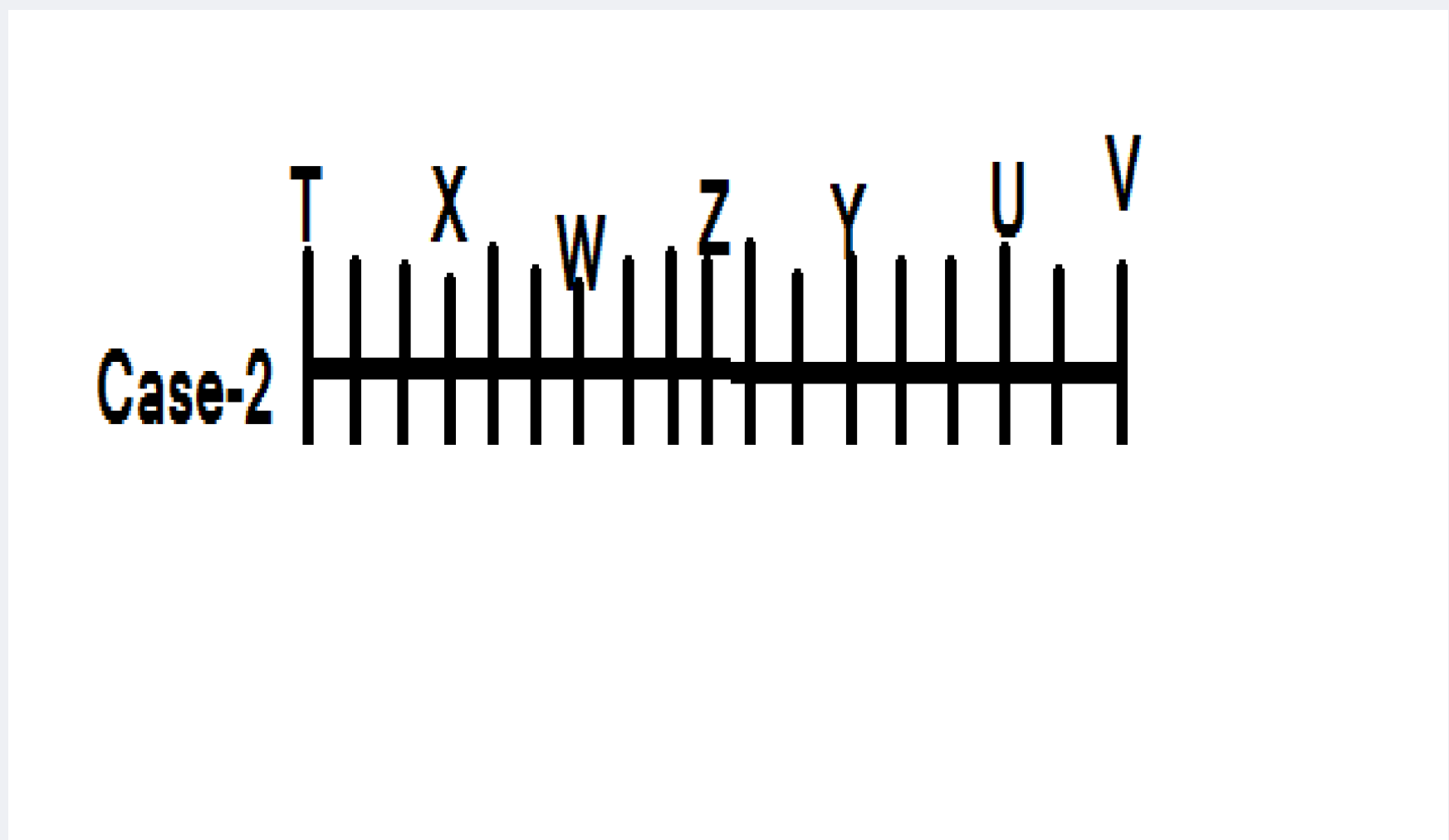


There are five persons sitting between T and W. X sits exactly in the middle of T and W. T sits at one of the extreme ends of the row. Y is third to the left of U who sits fourth from one of the extreme ends of the row. Y

does not sit at one of the extreme ends of the row.



There are as many persons sitting between Y and V as many are sitting between W and Y. (Here case – 1 gets eliminated) Hence, the final arrangement :



Hence, there are 18 persons sitting in the row.

B. Who is sitting exactly in the middle of Z and U?

A Y

B Z

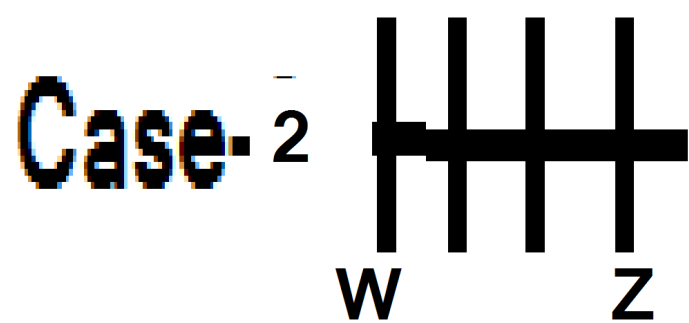
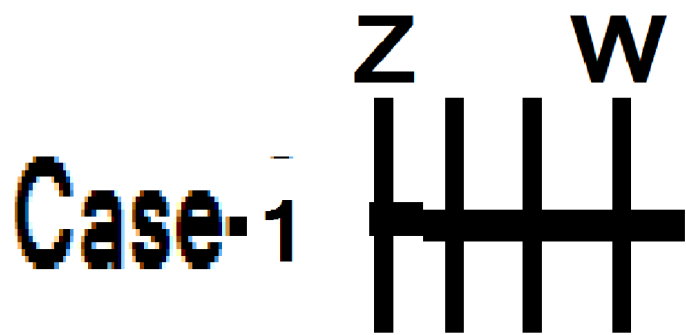
C U

D V

E Cannot be determined

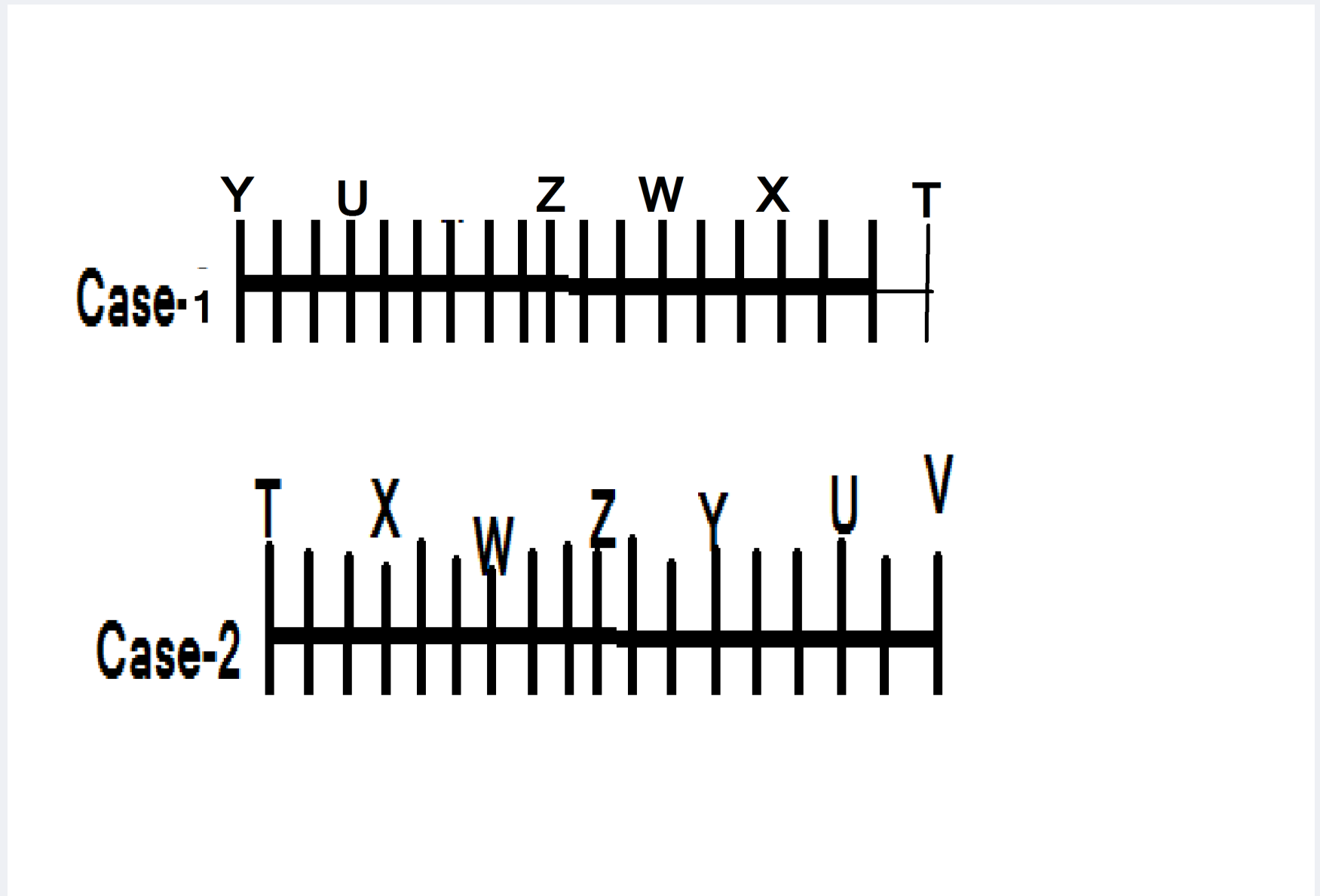
Solution

There are as many people to the right of Z as there are to the left of Z. Two persons sit between W and Z.

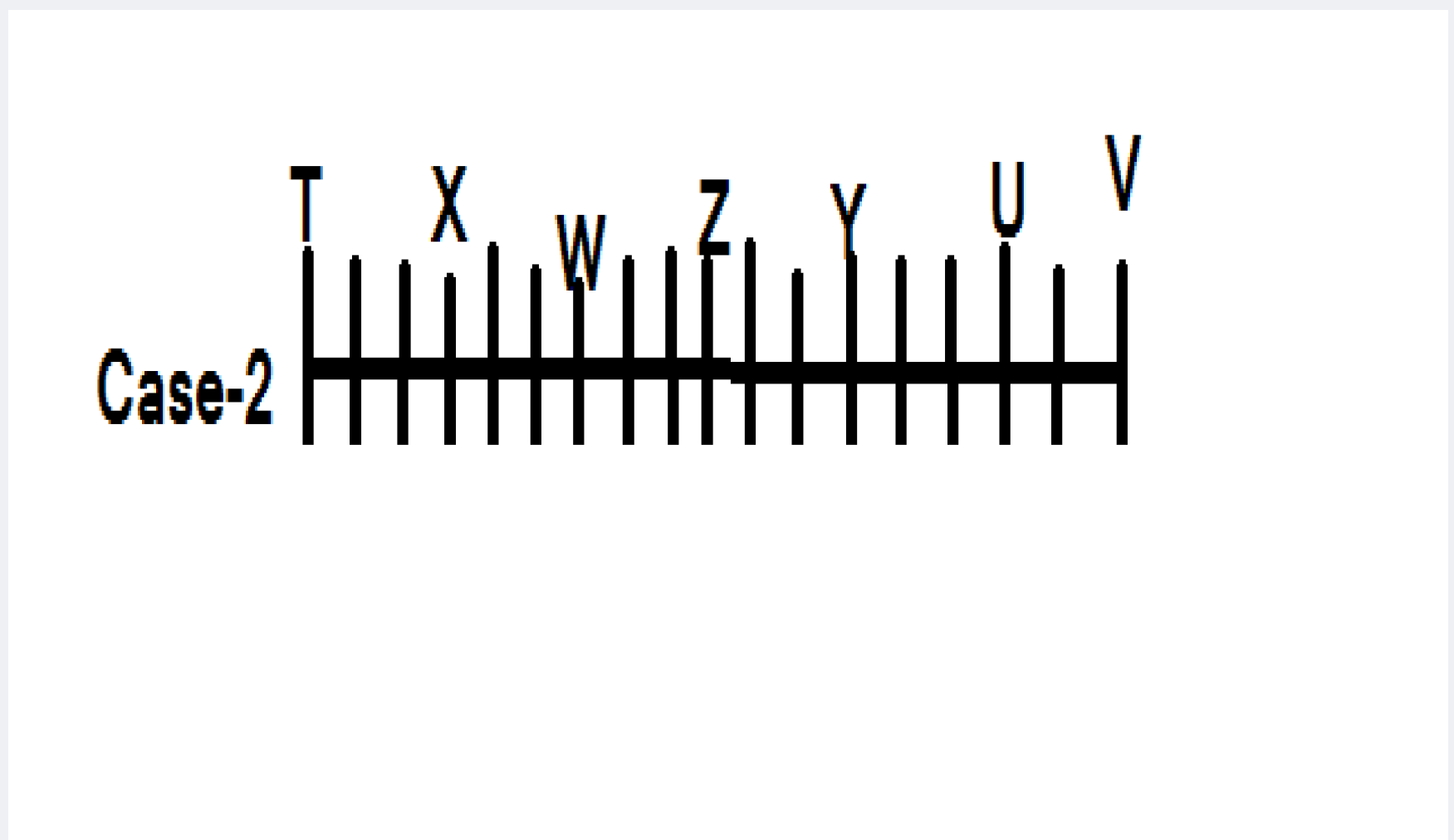


There are five persons sitting between T and W. X sits exactly in the middle of T and W. T sits at one of the extreme ends of the row. Y is third to the left of U who sits fourth from one of the extreme ends of the row. Y

does not sit at one of the extreme ends of the row.



There are as many persons sitting between Y and V as many are sitting between W and Y. (Here case – 1 gets eliminated) Hence, the final arrangement :



Hence, Y is sitting exactly in the middle of Z and U.

C. How many persons are sitting to the right of Y?

A 7

B 9

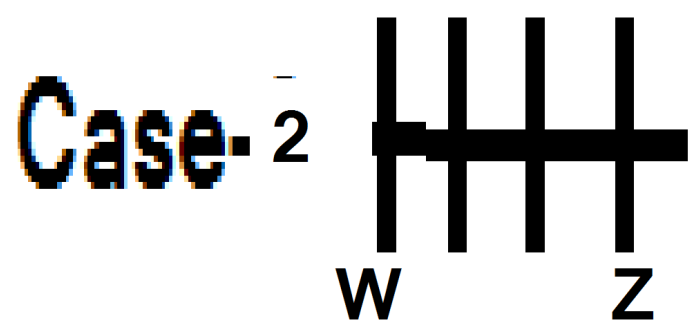
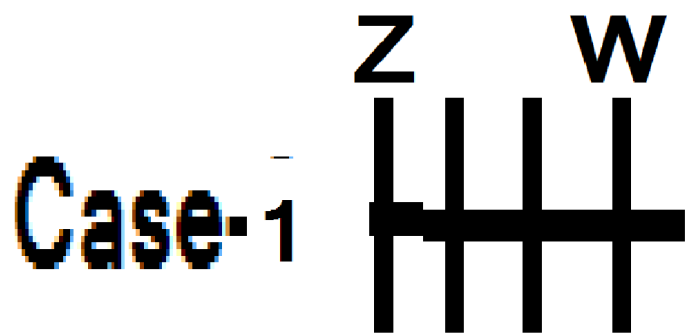
C 5

D 5

E 8

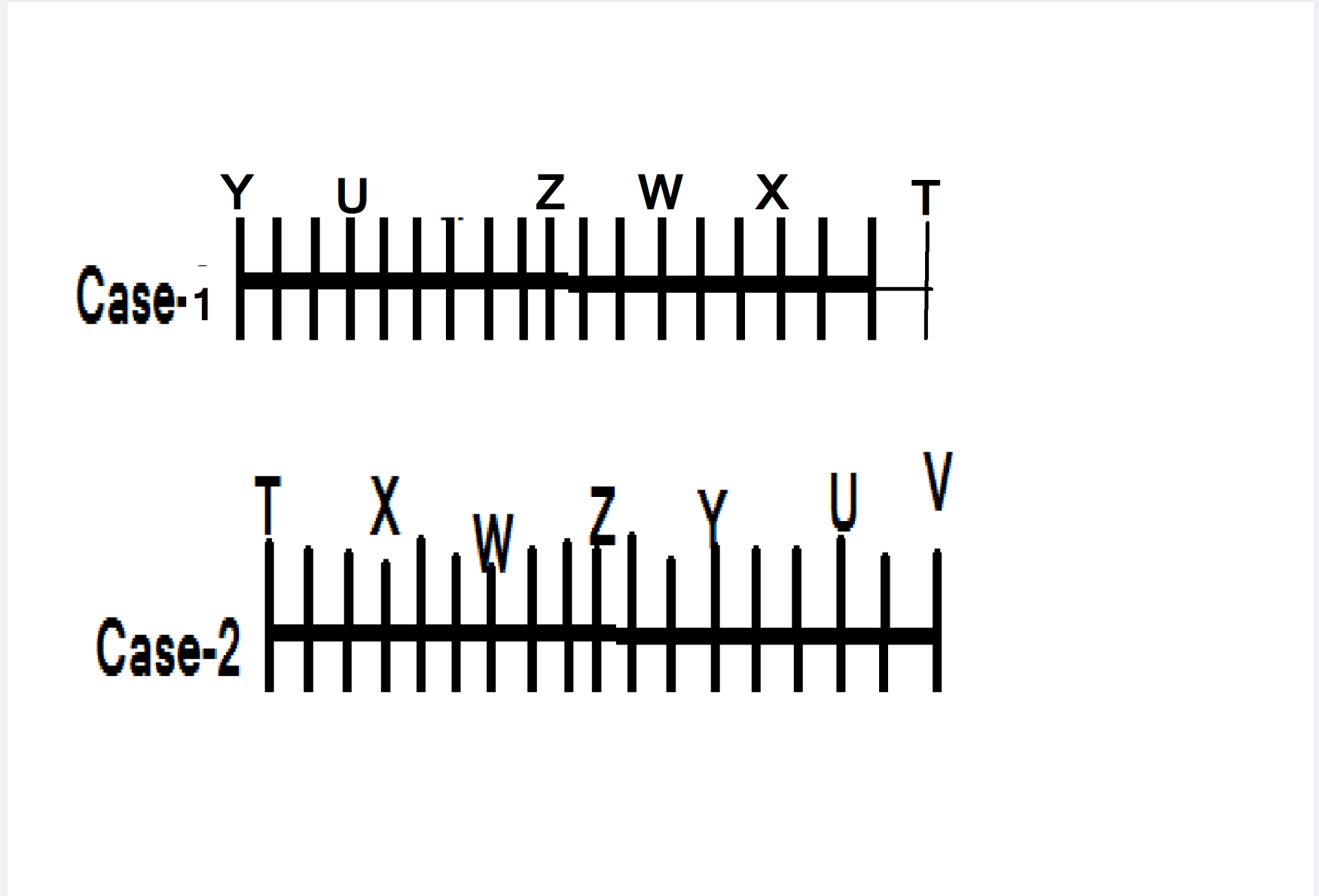
Solution

There are as many people to the right of Z as there are to the left of Z. Two persons sit between W and Z.

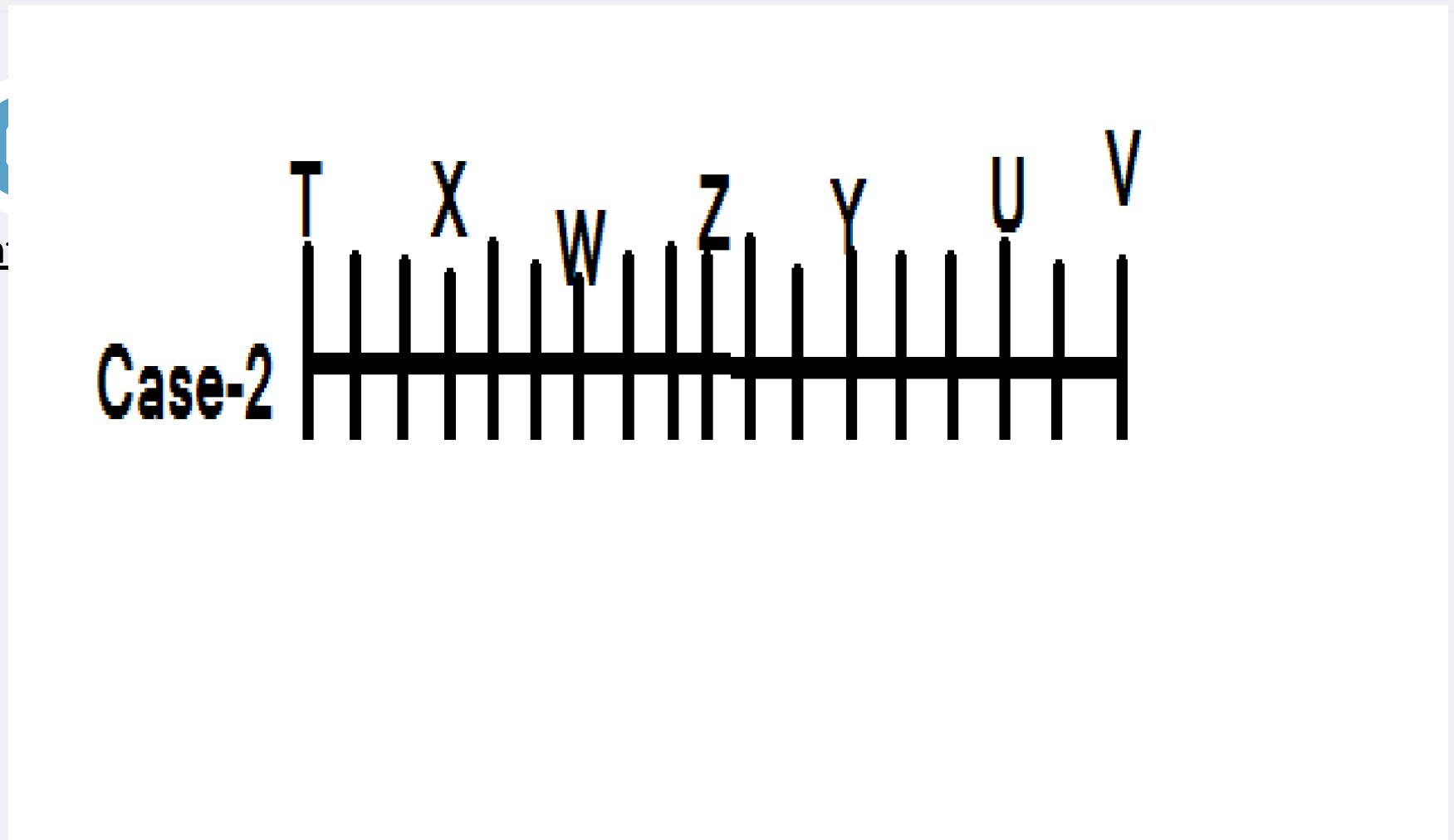


There are five persons sitting between T and W. X sits exactly in the middle of T and W. T sits at one of the extreme ends of the row. Y is third to the left of U who sits fourth from one of the extreme ends of the row. Y

does not sit at one of the extreme ends of the row.



There are as many persons sitting between Y and V as many are sitting between W and Y. (Here case – 1 gets eliminated) Hence, the final arrangement :



Hence, there are six persons sitting to the right of Y.