# SBJ PO \& CLERK 2023 

Complete Batch REASONING $10-500$
Question Scrias
5 सालों में पूछे गए सारे प्रश्न
(\#09:00 AM (छ)

8 persons G, H, I, J, K, L, M and N are standing in such a way that I is 10 m in west from $\mathrm{N}, \mathrm{N}$ is 20 m South with respect to $\mathbf{M}$. $\mathbf{M}$ is 30 m towards West with respect to $\mathbf{G}$. J is 20 m towards South with respect to G . H is 5 m apart from K towards North. L is 20 m towards East with respect to J . K is 30 m towards West with respect to $\mathrm{M}_{\text {. }}$ 8 व्यक्ति $G, H, I_{2}, K, L, M$ और $N$ इस प्रकार खड़े हैं कि $I, N$ से 10 मीटर पश्रिम में है, $N, M$ के सन्दुर्भ में 20 मीटर दक्षिण में है $M$, 30 मीटर परिम की ओर है C के संबंध में I J, G के संबंध में दक्षिण की ओर 20 मीट्र है। H, K से उत्तर की ओर 5 मीट्र की दरी पर है। $L_{N} J$ के सन्दर्भ में 20 मीटर पूर्व की ओर है। K, M के सन्दर्भ में 30 मीटर पशिम की ओर है।

8 persons G, H, I, J, K, L, M and N are standing in such a way that $I$ is 10 m in west from $\mathrm{N}, \mathrm{N}$ is 20 m South with respect to $\mathbf{M}$. M is 30 m towards West with respect to G. J is 20 m towards South with respect to G . H is 5 m apart from K towards North. L is 20 m towards East with respect to J . K is 30 m towards West with respect to M . In which direction is J with respect to K ?
A) South-East
B) North-West
C) North
D) South-West
E) None of these

8 persons G, H, I, J, K, L, M and N are standing in such a way that I is 10 m in west from $\mathrm{N}, \mathrm{N}$ is 20 m South with respect to $\mathbf{M}$. M is 30 m towards West with respect to G. J is 20 m towards South with respect to G . H is 5 m apart from K towards North. L is 20 m towards East with respect to J . K is 30 m towards West with respect to M . What is the shortest distance between N and H ?
A) 41 m
B) $6 \sqrt{ } 21 \mathrm{~m}$
C) 35 m
D) $5 \sqrt{ } 61 \mathrm{~m}$
E) None of these

8 persons G, H, I, J, K, L, M and N are standing in such a way that I is 10 m in west from $\mathrm{N}, \mathrm{N}$ is 20 m South with respect to $\mathbf{M}$. M is 30 m towards West with respect to G. J is 20 m towards South with respect to G . H is 5 m apart from K towards North. L is 20 m towards East with respect to J . K is 30 m towards West with respect to M . If one more person U is standing towards South-West with respect to I, then in which direction is M standing with respect to U?
A) North
B) South
C) North-East
D) South-West
E) None of these

E\% F means E is to the East of F at a distance of 6m. E @ F means E is to the West of F at a distance of 7 m . E \$ F means $E$ is to the north of $F$ at a distance of 8 m . E \# F means $E$ is to the south of $F$ at a distance of 9 m . E * F means $E$ is to the east of $F$ at a distance of 10 m . E! F means $E$ is to the west of $F$ at a distance of 11 m . All people are facing North direction.

E \% F \# C ! D, then D is in which direction with respect to E?
a) North
b) North-East
c) North-West
d) South-West
e) South

E\% F means E is to the East of F at a distance of 6m. E @ F means E is to the West of F at a distance of 7 m . $E \$ F$ means $E$ is to the north of $F$ at a distance of 8 m . E \# F means E is to the south of F at a distance of 9 m . E * $F$ means $E$ is to the east of $F$ at a distance of 10 m . E ! F means $E$ is to the west of $F$ at a distance of 11 m . All people are facing North direction.

A \# B \% C \# D, then D is in which direction with respect to $\mathbf{A}$ ?
a) North
b) North-East
c) South
d) West
e) North-West

E\% F means E is to the East of F at a distance of 6 m . E @ F means E is to the West of F at a distance of 7m. E \$ F means E is to the north of $F$ at a distance of 8 m . $\mathrm{E} \# \mathrm{~F}$ means E is to the south of F at a distance of 9 m . $E$ * $F$ means $E$ is to the east of $F$ at a distance of 10 m . $E$ ! $F$ means $E$ is to the west of $F$ at a distance of 11 m . All people are facing North direction.

E \$ F @ G \# H, then H is in which direction with respect to E and what is distance between H and E ?
a) North, 1 m
b) South, 7 m
c) North-East, $\sqrt{50 m}$
d) East, $\sqrt{43 m}$
e) West, $\sqrt{8} \mathrm{~m}$

E\% F means E is to the East of F at a distance of 6 m . E @ F means E is to the West of F at a distance of 7 m . E \$ F means $E$ is to the north of $F$ at a distance of 8 m . E \# F means $E$ is to the south of $F$ at a distance of 9 m . $E$ * $F$ means $E$ is to the east of $F$ at a distance of 10 m . E! F means $E$ is to the west of $F$ at a distance of 11 m . All people are facing North direction.

P! R * S \# Q @ T, Then T is in which direction with respect to P ?
a) North
b) South-West
c) West
d) East
e) North-East

## Eight persons - P, Q, R, S, T, U, V and W are sitting in the square

 table such that all of them are facing towards the center. Four persons are sitting in the middle of the sides of the table and four persons are sitting at the corner of the table. All the information is not necessarily in the same order. P sits second to the left of V , who sits at one of the corner of the table. W sits either to the immediate right or to the immediate left of P. S sits opposite to the one who sits second to the left of R. R sits in the middle of the sides of table. S is neither the immediate neighbor of V nor P . T is the immediate neighbor of either of $\mathbf{P}$ or $\mathbf{U}$, but not the both. $\mathbf{Q}$ sits second to the left of U .आठ व्यक्ति - P, Q, R, S, T, U, V और W वर्गाकार मेज में इस प्रकार बेठे हैं कि उन सभी का मखख केद्र की ओर है। चार व्यक्ति मेज की भुजाओं के मध्य में बेठे हैं और चार व्यक्ति मेज के कोने पर बेठे हैं। जरूरी नहीं कि सभी जानकारी इसी क्रम में होI P,V के बायें से दूसरे स्थान पर बैठा है, जो मेज के एक काने पर बेठा है। W या तो $P$ के ठीक दायें यो ठीक बायें बेठा है। $S, R$ के बायें से दुसरे स्थान पर बेठे व्यक्ति के विपरीत बैठा है। $R$ मेज की भुजाओं के मध्य में बेठा है। $S$ न तो $V$ और न ही $P$ का निकटटतम पड़ोसी है। T, P या $U$ में से किसी एक का निकटतम पड़ोसी है, लिकिन दोनों का नहीं। $Q, U$ के बायें से दूसरे स्थान पर बैठा है।

Eight persons - P, Q, R, S, T, U, V and W are sitting in the square table such that all of them are facing towards the center. Four persons are sitting in the middle of the sides of the table and four persons are sitting at the corner of the table. All the information is not necessarily in the same order. P sits second to the left of V, who sits at one of the corner of the table. W sits either to the immediate right or to the immediate left of P. S sits opposite to the one who sits second to the left of $\mathbf{R}$. $\mathbf{R}$ sits in the middle of the sides of table. $S$ is neither the immediate neighbor of V nor P. T is the immediate neighbor of either of $\mathbf{P}$ or $\mathbf{U}$, but not the both. $\mathbf{Q}$ sits second to the left of $\mathbf{U}$.
In which of the following combination both the persons are facing towards each other?
A. UR
B. WS
C. PQ
D. TV
E. RP

Eight persons - P, Q, R, S, T, U, V and W are sitting in the square table such that all of them are facing towards the center. Four persons are sitting in the middle of the sides of the table and four persons are sitting at the corner of the table. All the information is not necessarily in the same order. P sits second to the left of V , who sits at one of the corner of the table. W sits either to the immediate right or to the immediate left of P. S sits opposite to the one who sits second to the left of $\mathbf{R}$. $\mathbf{R}$ sits in the middle of the sides of table. $S$ is neither the immediate neighbor of V nor P . T is the immediate neighbor of either of $P$ or $U$, but not the both. $Q$ sits second to the left of U .
Four of the following five are alike in a certain way and hence form a group. Who among the following person does not belong to that group?
A. S
B. The one who sits to the immediate right of $\mathbf{V}$
C. The one who sits second to the right of W
D. W
E. Q

## Eight persons - P, Q, R, S, T, U, V and W are sitting in the square

 table such that all of them are facing towards the center. Four persons are sitting in the middle of the sides of the table and four persons are sitting at the corner of the table. All the information is not necessarily in the same order. P sits second to the left of V , who sits at one of the corner of the table. W sits either to the immediate right or to the immediate left of P. S sits opposite to the one who sits second to the left of $\mathbf{R}$. $\mathbf{R}$ sits in the middle of the sides of table. S is neither the immediate neighbor of V nor P . T is the immediate neighbor of either of $P$ or $\mathbf{U}$, but not the both. $\mathbf{Q}$ sits second to the left of $\mathbf{U}$.Who among the following person sits opposite to U?
A. V
B. The one who sits second to the right of $P$
C. The one who sits third to the left of S
D. The one who sits to the immediate left of $\mathbf{R}$
E. All of the above

Eight persons - P, Q, R, S, T, U, V and W are sitting in the square table such that all of them are facing towards the center. Four persons are sitting in the middle of the sides of the table and four persons are sitting at the corner of the table. All the information is not necessarily in the same order. P sits second to the left of V , who sits at one of the corner of the table. W sits either to the immediate right or to the immediate left of P. S sits opposite to the one who sits second to the left of R. $\mathbf{R}$ sits in the middle of the sides of table. $S$ is neither the immediate neighbor of V nor P . T is the immediate neighbor of either of $\mathbf{P}$ or $\mathbf{U}$, but not the both. $\mathbf{Q}$ sits second to the left of U .
If all the persons are arranged in alphabetical order in the clockwise direction with respect to $P$, then how many persons remain unchanged in their position (Excluding P)?
A. 1
B. 2
C. 3
D. More than Three
E. None

Eight persons - P, Q, R, S, T, U, V and W are sitting in the square table such that all of them are facing towards the center. Four persons are sitting in the middle of the sides of the table and four persons are sitting at the corner of the table. All the information is not necessarily in the same order. P sits second to the left of V , who sits at one of the corner of the table. W sits either to the immediate right or to the immediate left of P. S sits opposite to the one who sits second to the left of $\mathbf{R}$. $\mathbf{R}$ sits in the middle of the sides of table. S is neither the immediate neighbor of V nor P. T is the immediate neighbor of either of $\mathbf{P}$ or $\mathbf{U}$, but not the both. $\mathbf{Q}$ sits second to the left of $\mathbf{U}$.
Who among the following person sits opposite to the one who is third to the left of Q ?
A. The one who sits to the immediate right of W
B. P
C. W
D. The one who sits to the immediate left of $U$
E. T

Statement:
Only a few Scripts are Words.
No letter is a Word.
Conclusion:
I. A few Letters are Scripts.
II. All Scripts can be Words is a possibility.
a. Only I follows
b. Only II follows
c. Either I or II follows
d. Neither I nor II follows
e. Both I and II follow

Statement:
All pictures are Bright. Only a few Pictures are Dark. Conclusion:
I. Some Bright are Dark.
II. Some Pictures are not Dark.
a. Only I follows
b. Only II follows
c. Either I or II follows
d. Neither I nor II follows
e. Both I and II follow

## Statement:

Only a few Gold are Green.
Some Gold are not Grey
Conclusion:
I. All Gold being Grey is a possibility.
II. At least some Grey are Green.
a. Only I follows
b. Only II follows
c. Either I or II follows
d. Neither I nor II follows
e. Both I and II follow

Statement:
Only a few S are C.
All R are C.
Conclusion:
I. Some S are R.
II. No R are S.
a. Only I follows
b. Only Il follows
c. Either I or Il follows
d. Neither I nor II follows
e. Both I and II follow

Statement:
Some S are H.
Only a few Fr are S.
Conclusion:
I. At least some F are H.
II. All F being H is a possibility.
a. Only I follows
b. Only II follows
c. Either I or II follows
d. Neither I nor II follows
e. Both I and II follow

Eight persons-P, Q, R, S, T, U, V, and W go for a trip on different dates among $9^{\text {th }}, 12^{\text {th }}, 15^{\mathrm{th}}, 17^{\mathrm{th}}, 21^{\text {st }}, 24^{\text {th }}, 27^{\text {th }}$, and $29^{\text {th }}$ in the same month. $\mathbf{Q}$ goes for a trip three days before V. Only three persons go for a trip between V and W. P goes at least six days after R. Only two persons go for a trip between $T$ and $S$. S doesn't go on an even numbered date. P goes for a trip one of the dates before T and one of the dates after $W$. At most one person goes for a trip between $\mathbf{S}$ and U . R doesn't go for a trip adjacent to $\mathbf{U}$. आठ व्यक्ति-P, $Q, R, S, T, U, V$, और $W$ एक ही महीने में $9,12,15$, $17,21,24,27$, और 29 के बीच अलग-अलग तिथियों पर यात्रा के लिए जाते हैं। $Q, V$ से तीन दिन पहले यात्रा के लिए जाता है। केवल तीन व्यक्ति $V$ और $W$ के बीच यात्रा के लिए जाते हैं। $P, R$ के कम से कम छह दिन बाद जाता है। केवल दो व्यक्ति $T$ और $S$ के बीच यात्रा के लिए जाते हैं। सम क्रमांकित तिथि। P, T से पहले की तारीखों में से एक और W के बाद की तारीखों में से एक यात्रा के लिए जाता है। अधिक से अधिक एक व्यक्ति $S$ और $U$ के बीच यात्रा के लिए जाता है। R, $U$ के आसत्र यात्रा के लिए नहीं जाता है।

Eight persons-P, Q, R, S, T, U, V, and W go for a trip on different dates among $9^{\text {th }}, 12^{\text {th }}, 15^{\text {th }}, 17^{\text {th }}, 21^{\text {st }}, 24^{\text {th }}, 27^{\text {th }}$, and $29^{\text {th }}$ in the same month. $\mathbf{Q}$ goes for a trip three days before V. Only three persons go for a trip between $\mathbf{V}$ and W. P goes at least six days after R. Only two persons go for a trip between T and S. S doesn't go on an even numbered date. P goes for a trip one of the dates before T and one of the dates after W. At most one person goes for a trip between S and U . R doesn't go for a trip adjacent to U.
Which among the following person goes for a trip just before W?
A. The one who goes five days before T
B. The one who goes three days after $\mathbf{Q}$
C. The one who goes just after U
D. R
E. S and $29^{\text {th }}$ in the same month. Q goes for a trip three days before V. Only three persons go for a trip between V and W. P goes at least six days after R. Only two persons go for a trip between T and S. S doesn't go on an even numbered date. P goes for a trip one of the dates before T and one of the dates after W. At most one person goes for a trip between S and U . R doesn't go for a trip adjacent to $\mathbf{U}$.
After how many days V goes for a trip with respect to T ?
A. Three
B. Four
C. Five
D. Six
E. Seven

Eight persons-P, Q, R, S, T, U, V, and W go for a trip on different dates among $9^{\text {th }}, 12^{\text {th }}, 15^{\text {th }}, 17^{\text {th }}, 21^{\text {st }}, 24^{\text {th }}, 27^{\text {th }}$, and $29^{\text {th }}$ in the same month. $\mathbf{Q}$ goes for a trip three days before V. Only three persons go for a trip between V and W. P goes at least six days after R. Only two persons go for a trip between T and S. S doesn't go on an even numbered date. P goes for a trip one of the dates before T and one of the dates after W. At most one person goes for a trip between S and U. R doesn't go for a trip adjacent to $\mathbf{U}$.
How many persons go for a trip between $\mathbf{Q}$ and S ?
A. As many persons go for a trip after $S$
B. As many persons go for a trip between W and R
C. As many persons go for a trip between T and U
D. As many persons go for a trip before $P$
E. None of these

Eight persons-P, Q, R, S, T, U, V, and W go for a trip on different dates among $9^{\text {th }}, 12^{\text {th }}, 15^{\text {th }}, 17^{\text {th }}, 21^{\text {st }}, 24^{\text {th }}, 27^{\text {th }}$, and $29^{\text {th }}$ in the same month. $\mathbf{Q}$ goes for a trip three days before V. Only three persons go for a trip between V and W. P goes at least six days after R. Only two persons go for a trip between T and S. S doesn't go on an even numbered date. P goes for a trip one of the dates before T and one of the dates after W. At most one person goes for a trip between S and U. R doesn't go for a trip adjacent to U.
Four of the following five are related in a certain way and hence form a group. Find the one which doesn't belong to that group?
A. P-15th
B. S-27th
C. U-29th
D. T-17th
E. V-12th

## SBI PO/CLERK 2023500 MOST EXPECTED QUESTIONS

Eight persons-P, Q, R, S, T, U, V, and W go for a trip on different dates among $9^{\text {th }}, 12^{\text {th }}, 15^{\text {th }}, 17^{\text {th }}, 21^{\text {st }}, 24^{\text {th }}, 27^{\text {th }}$, and $29^{\text {th }}$ in the same month. Q goes for a trip three days before V. Only three persons go for a trip between V and W. P goes at least six days after R. Only two persons go for a trip between T and S. S doesn't go on an even numbered date. P goes for a trip one of the dates before T and one of the dates after W. At most one person goes for a trip between S and U . R doesn't go for a trip adjacent to $U$.
Number of persons who goes on a trip between V and W is the same as going before $\qquad$ ?
A. The one who goes just after $\mathbf{S}$
B. The one who goes just before Q
C. The one who goes seven days after T
D. The one who goes Four days before U
E. None of these

There are eight friends $\mathrm{J}, \mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}$, and Q who are sitting in a straight line but not necessarily in the same order. Some of them are facing south while some are facing north. Immediate neighbors of K facing opposite directions to each other. People sitting at the extreme ends face the opposite directions. $M$ faces south direction. Q does not sit near to L. L sits fourth to the left of N. N sits at one of the extreme ends of the line. Both the immediate neighbors of L facing north direction. $K$ sits second to the left of $P$. $P$ is not an immediate neighbor of L . Neither P nor J sits at the extreme ends of the line. J faces the opposite direction to M. Both the immediate neighbors of J facing north direction. $\mathbf{Q}$ sits second to the left of $\mathbf{O}$. Immediate neighbors of M face opposite directions. आठ मित्र $J, K, L, M, N, O, P$, और $Q$ हैं जो एक सीधी रेखा में बेठे हैं लेकिन जरूरी नहीं कि इसी क्रम में हों। उनमें से कुछ का मुख दृक्षिण की और है जुकि कुछ का मुख उत्तर की और है। K के निक्टतम पड़ोंसियों का मख एक दूरे के विपरीत दिशाओं में है। अंतिम छोर पर बेठ व्यक्तियों का मुख विपरीत दिशिाओं की ओर है। $M$ का मुख दक्षिण दिशा की ओर है। $\mathrm{Q} L$ के निकट नहीं बेठा है। $L, N$ के बायें से चौथे स्थान पर बेठा है। $N$ पंक्ति के किसी एक् अंतिम छोर पर बैठा है। $L$ के दोनों निकटतम पड़ोसियों का मुख उत्तर दिशा की ओर है। K, P के बायें से दूसरे स्थान पर बेठा है। $P, L$ का निकटतम पडोसी नहीं है। न तो $P$ न ही $J$ पंक्ति के अंतिम छोर पर बेठा है। $J$ का मुख $M$ के विपरीत दिशा में है। $J$ के दोनों निक्टतम पड़ोसियों का मुख उत्तर दिशा की ओर है। 0,0 के बायें से दूसरे स्थान पर बेठा है। $M$ के निकटतम पड़ोसियों का मुख विपरीत दिशाओं में है।

There are eight friends $\mathrm{J}, \mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}$, and Q who are sitting in a straight line but not necessarily in the same order. Some of them are facing south while some are facing north. Immediate neighbors of K facing opposite directions to each other. People sitting at the extreme ends face the opposite directions. M faces south direction. Q does not sit near to L. L sits fourth to the left of N. N sits at one of the extreme ends of the line. Both the immediate neighbors of $L$ facing north direction. K sits second to the left of P. P is not an immediate neighbor of L . Neither P nor J sits at the extreme ends of the line. J faces the opposite direction to M. Both the immediate neighbors of J facing north direction. $\mathbf{Q}$ sits second to the left of $\mathbf{O}$. Immediate neighbors of M face opposite directions.
Which of the following pairs represents seated at the extreme ends of the line?
(a) M, N
(b) Q, L
(c) $\mathbf{Q}, \mathrm{N}$
(d) J, L
(e) L, K

There are eight friends $\mathrm{J}, \mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}$, and Q who are sitting in a straight line but not necessarily in the same order. Some of them are facing south while some are facing north. Immediate neighbors of K facing opposite directions to each other. People sitting at the extreme ends face the opposite directions. M faces south direction. Q does not sit near to L. L sits fourth to the left of N. N sits at one of the extreme ends of the line. Both the immediate neighbors of $L$ facing north direction. K sits second to the left of P . P is not an immediate neighbor of L . Neither P nor J sits at the extreme ends of the line. J faces the opposite direction to M . Both the immediate neighbors of J facing north direction. $\mathbf{Q}$ sits second to the left of $\mathbf{O}$. Immediate neighbors of M face opposite directions.
How many persons are seated between M and N ?
(a) Four
(b) More than four
(c) One
(d) Three
(e) Two

There are eight friends $\mathrm{J}, \mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}$, and Q who are sitting in a straight line but not necessarily in the same order. Some of them are facing south while some are facing north. Immediate neighbors of K facing opposite directions to each other. People sitting at the extreme ends face the opposite directions. M faces south direction. Q does not sit near to L. L sits fourth to the left of N. N sits at one of the extreme ends of the line. Both the immediate neighbors of $L$ facing north direction. K sits second to the left of $P$. $P$ is not an immediate neighbor of L . Neither P nor J sits at the extreme ends of the line. J faces the opposite direction to M. Both the immediate neighbors of J facing north direction. $\mathbf{Q}$ sits second to the left of $\mathbf{O}$. Immediate neighbors of $\mathbf{M}$ face opposite directions.
If each of the persons is made to sit in alphabetical order from right to left the positions of how many will remain unchanged as compared to the original seating arrangement?
(a) One
(b) Two
(c) Four
(d) None
(e) Three

There are eight friends $\mathrm{J}, \mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}$, and Q who are sitting in a straight line but not necessarily in the same order. Some of them are facing south while some are facing north. Immediate neighbors of K facing opposite directions to each other. People sitting at the extreme ends face the opposite directions. M faces south direction. Q does not sit near to L. L sits fourth to the left of N. N sits at one of the extreme ends of the line. Both the immediate neighbors of $L$ facing north direction. $K$ sits second to the left of $P$. $P$ is not an immediate neighbor of L . Neither P nor J sits at the extreme ends of the line. J faces the opposite direction to M. Both the immediate neighbors of J facing north direction. $\mathbf{Q}$ sits second to the left of $\mathbf{O}$. Immediate neighbors of M face opposite directions.
Who amongst the following sits exactly between O and K?
(a) N
(b) $Q$
(c) P
(d) L
(e) M

There are eight friends $\mathrm{J}, \mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}$, and Q who are sitting in a straight line but not necessarily in the same order. Some of them are facing south while some are facing north. Immediate neighbors of K facing opposite directions to each other. People sitting at the extreme ends face the opposite directions. M faces south direction. Q does not sit near to L. L sits fourth to the left of N. N sits at one of the extreme ends of the line. Both the immediate neighbors of $L$ facing north direction. K sits second to the left of P. P is not an immediate neighbor of L . Neither P nor J sits at the extreme ends of the line. J faces the opposite direction to M. Both the immediate neighbors of J facing north direction. $\mathbf{Q}$ sits second to the left of $\mathbf{O}$. Immediate neighbors of M face opposite directions. Who amongst the following sits third to the left of P?
(a) J
(b) M
(c) L
(d) K
(e) None of these

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