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"C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.1.2\lib\idea_rt.jar=8320:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.1.2\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "C:\Users\Rahul Biswas\Desktop\Test\src\out\test\Test" Main
```

Graph Information ::::

Inserted Graph (Adjacency List Representation) :

A -> C, E

B -> A

C -> B

D -> A

E -> D

A Can be an initiator.

System Log ::::

Information Message :: A is now initiator

Send Message :: B is sending 10 to A

Send Message :: C is sending 89 to B

Send Message :: D is sending 26 to A

Received Message :: B received a message 89 from C

Send Message :: B is sending 58 to A

Send Message :: A is sending 73 to C

Received Message :: A received a message 10 from B

Received Message :: C received a message 73 from A

Send Message :: A is sending 15 to E

Received Message :: A received a message 58 from B

Send Message :: E is sending 10 to D

Send Message :: A is sending 22 to E

Send Message :: C is sending 16 to B

Received Message :: D received a message 10 from E

Received Message :: E received a message 15 from A

Received Message :: B received a message 16 from C

Send Message :: C is sending 36 to B

Send Message :: B is sending 66 to A

Send Marker :: A is sending marker to C

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Send Marker :: A is sending marker to E

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Received Message :: B received a message 36 from C
Send Message :: D is sending 32 to A
Send Message :: B is sending 83 to A
Received Marker :: C is received a marker from from A
Send Marker :: C is sending marker to B
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Received Marker :: B is received a marker from from C
Send Marker :: B is sending marker to A
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Received Message :: E received a message 22 from A
Send Message :: E is sending 18 to D
Send Message :: D is sending 23 to A
Received Marker :: E is received a marker from from A
Send Marker :: E is sending marker to D
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Received Message :: D received a message 18 from E
Send Message :: D is sending 4 to A
Received Marker :: D is received a marker from from E
Send Marker :: D is sending marker to A
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Global Snapshot ::::

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Local State Recording of A ::

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-->Messages delivered:

```

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To: C { 73 }

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To: E { 15 , 22 }

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-->Messages received:

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From: B { 10 , 58 }

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Local State Recording of B ::

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```

-->Messages delivered:

```

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To: A { 10 , 58 , 66 , 83 }

```

```

-->Messages received:

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```

From: C { 89 , 16 , 36 }

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```

Local State Recording of C ::

```

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-->Messages delivered:

```

```

To: B { 89 , 16 , 36 }

```

```

-->Messages received:

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From: A { 73 }

Local State Recording of D ::

-->Messages delivered:

To: A { 26 , 32 , 23 , 4 }

-->Messages received:

From: E { 10 , 18 }

Local State Recording of E ::

-->Messages delivered:

To: D { 10 , 18 }

-->Messages received:

From: A { 15 , 22 }

Communication Channel State ::

Channel :: B -- A : { 66 , 83 }

Channel :: D -- A : { 32 , 23 , 4 }

Process finished with exit code 0