```
"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=1650: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 -> B, E
B -> D, C
C -> null
D -> E, A, C
E -> B, D
B Can be an initiator.

System Log ::::

Information Message :: B is now initiator
Send Message :: B is sending 37 to C
Send Message :: A is sending 57 to B
Send Message :: D is sending 71 to A
Send Message :: D is sending 1 to C
Send Message :: D is sending 77 to A
Send Message :: B is sending 16 to C
Received Message :: A received a message 71 from D
Received Message :: C received a message 37 from B
Received Message :: B received a message 57 from A
Send Message :: B is sending 40 to C
Send Message :: D is sending 86 to C
Send Message :: A is sending 27 to B
Received Message :: B received a message 27 from A
Received Message :: C received a message 1 from D
Send Message :: E is sending 68 to B
Received Message :: A received a message 77 from D
Received Message :: C received a message 16 from B
Send Message :: A is sending 63 to B
Received Message :: C received a message 40 from B
Received Message :: B received a message 68 from E
Send Message :: D is sending 27 to E
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Send Message :: A is sending 42 to E
Send Marker :: B is sending  marker  to D
-------------------------------------------------------------
Send Marker :: B is sending  marker  to C
-------------------------------------------------------------
Received Message :: E received a message 27 from D
Send Message :: D is sending 31 to A
Received Message :: A received a message 31 from D
Send Message :: A is sending 2 to B
Received Message :: C received a message 86 from D
Received Marker :: D is received a marker from  from B
Send Marker :: D is sending  marker  to E
-------------------------------------------------------------
Send Marker :: D is sending  marker  to A
-------------------------------------------------------------
Send Marker :: D is sending  marker  to C
-------------------------------------------------------------
Received Marker :: A is received a marker from  from D
Send Marker :: A is sending  marker  to B
-------------------------------------------------------------
Send Marker :: A is sending  marker  to E
-------------------------------------------------------------
Send Message :: E is sending 79 to D
Received Marker :: C is received a marker from  from B
Received Message :: E received a message 42 from A
Send Message :: E is sending 4 to B
Received Marker :: E is received a marker from  from D
Send Marker :: E is sending  marker  to B
-------------------------------------------------------------
Send Marker :: E is sending  marker  to D
-------------------------------------------------------------

Global Snapshot ::::

Local State Recording of B ::
-->Messages delivered:
To:  C  { 37 , 16 , 40 }
-->Messages received:
From:  A  { 57 , 27 }
From:  E  { 68 }
```

```
Local State Recording of A ::
-->Messages delivered:
To:   B  { 57 , 27 , 63 , 2 }
To:   E  { 42 }
-->Messages received:
From:  D  { 71 , 77 , 31 }


Local State Recording of C ::
-->Messages delivered:
NONE
-->Messages received:
From:  B  { 37 , 16 , 40 }
From:  D  { 1 , 86 }


Local State Recording of D ::
-->Messages delivered:
To:   A  { 71 , 77 , 31 }
To:   C  { 1 , 86 }
To:   E  { 27 }
-->Messages received:
NONE


Local State Recording of E ::
-->Messages delivered:
To:   B  { 68 , 4 }
To:   D  { 79 }
-->Messages received:
From:  A  { 42 }
From:  D  { 27 }


Communication Channel State ::

  Channel :: A -- B :  { 63 , 2 }

  Channel :: E -- B :  { 4 }

  Channel :: E -- D :  { 79 }


Process finished with exit code 0
```