```
"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=8284: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, B
B -> D, A
C -> B, D
D -> B
D Can be an initiator.

System Log ::::

Information Message :: D is now initiator
Send Message :: D is sending 17 to B
Send Message :: A is sending 97 to B
Send Message :: B is sending 96 to D
Received Message :: B received a message 17 from D
Send Message :: B is sending 69 to A
Send Message :: C is sending 2 to D
Received Message :: D received a message 96 from B
Received Message :: A received a message 69 from B
Send Message :: C is sending 93 to B
Received Message :: D received a message 2 from C
Received Message :: B received a message 97 from A
Send Message :: A is sending 94 to B
Send Message :: D is sending 21 to B
Send Message :: C is sending 9 to B
Send Message :: A is sending 24 to C
Received Message :: C received a message 24 from A
Send Message :: B is sending 72 to D
Received Message :: D received a message 72 from B
Send Message :: C is sending 24 to B
Received Message :: B received a message 93 from C
Send Message :: D is sending 5 to B
Send Message :: A is sending 47 to B
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Received Message :: B received a message 94 from A
Send Message :: C is sending 16 to D
Received Message :: B received a message 21 from D
Received Message :: D received a message 16 from C
Send Message :: B is sending 5 to D
Received Message :: B received a message 9 from C
Send Message :: D is sending 73 to B
Send Message :: C is sending 11 to B
Send Message :: A is sending 92 to B
Received Message :: D received a message 5 from B
Send Message :: C is sending 40 to D
Received Message :: B received a message 24 from C
Send Marker :: D is sending  marker  to B
----------------------------------------------------------------
Send Message :: A is sending 69 to B
Send Message :: C is sending 9 to D
Send Message :: B is sending 25 to A
Received Message :: B received a message 5 from D
Send Message :: C is sending 26 to D
Received Message :: A received a message 25 from B
Received Message :: B received a message 47 from A
Send Message :: C is sending 58 to D
Received Message :: B received a message 73 from D
Send Message :: A is sending 80 to C
Received Message :: C received a message 80 from A
Send Message :: B is sending 79 to D
Received Message :: B received a message 11 from C
Send Message :: C is sending 30 to D
Send Message :: A is sending 69 to B
Send Message :: B is sending 58 to A
Received Message :: A received a message 58 from B
Send Message :: C is sending 44 to D
Received Message :: B received a message 92 from A
Send Message :: C is sending 18 to D
Received Marker :: B is received a marker from  from D
Send Marker :: B is sending  marker  to D
----------------------------------------------------------------
Send Marker :: B is sending  marker  to A
----------------------------------------------------------------
Received Marker :: A is received a marker from  from B
Send Marker :: A is sending  marker  to C
```

```
----------------------------------------------------------------
Send Marker :: A is sending  marker  to B
----------------------------------------------------------------
Received Marker :: C is received a marker from  from A
Send Marker :: C is sending  marker  to B
----------------------------------------------------------------
Send Marker :: C is sending  marker  to D
----------------------------------------------------------------

Global Snapshot ::::

Local State Recording of D ::
-->Messages delivered:
To:  B  { 17 , 21 , 5 , 73 }
-->Messages received:
From:  B  { 96 , 72 , 5 }
From:  C  { 2 , 16 }

Local State Recording of A ::
-->Messages delivered:
To:  B  { 97 , 94 , 47 , 92 , 69 , 69 }
To:  C  { 24 , 80 }
-->Messages received:
From:  B  { 69 , 25 , 58 }

Local State Recording of B ::
-->Messages delivered:
To:  A  { 69 , 25 , 58 }
To:  D  { 96 , 72 , 5 , 79 }
-->Messages received:
From:  A  { 97 , 94 , 47 , 92 }
From:  C  { 93 , 9 , 24 , 11 }
From:  D  { 17 , 21 , 5 , 73 }

Local State Recording of C ::
-->Messages delivered:
To:  B  { 93 , 9 , 24 , 11 }
To:  D  { 2 , 16 , 40 , 9 , 26 , 58 , 30 , 44 , 18 }
-->Messages received:
From:  A  { 24 , 80 }
```

```
Communication Channel State ::

 Channel :: A -- B :  { 69 , 69 }

 Channel :: B -- D :  { 79 }

 Channel :: C -- D :  { 40 , 9 , 26 , 58 , 30 , 44 , 18 }

Process finished with exit code 0
```