# HP Cluster Platform

## Cisco SFS 70xxD Series InfiniBand Interconnect Cabling Tables 2:1 Bandwidth: 2U and 4U Server Nodes

Reference number: AC-CIBCT-1B

Second edition: May 2008

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# About This Document

## Overview

This manual provides 2U and 4U cabling tables for an HP Cluster Platform solution based on Cisco SFS 7000D, 7012D, and 7024 interconnects. For information on the 1U cabling tables, go to:

http://docs.hp.com/en/highperfcomp.html

This manual does not provide the cabling tables for the Ethernet network or HP BladeSystems. For HP Cluster Platform Ethernet network cabling tables, see the *HP Cluster Platform Ethernet Network Cabling Tables* manual. For BladeSystem cabling tables, see the *HP Cluster Platform BladeSystem Cisco SFS 70xxD InfiniBand Interconnect Cabling Tables (BC-CIBCT-xx)*.

This manual also does not describe the procedures and tools that are required to install and configure the system hardware or software. It does contain references for cluster components that have their own documentation, such as the cluster nodes, network switches, and system racks.

## Intended Audience

This document is intended for HP Global Services personnel, and also for experienced hardware administrators of Linux high-speed clusters. Certain operation described in this document can, if performed incorrectly, cause system crashes and loss of data.

It is assumed that you have read the user documentation for your model of Cisco SFS 70xxD Series InfiniBand Interconnects used in your HP Cluster Platform solution.

## Document Organization

This document is organized as follows:

| | |
|---|---|
| Chapter 1 | Provides general cabling guidelines, general steps for installing cluster cables and general information about server cable management. |
| Chapter 2 | Provides the cabling tables for HP Cluster Platform solutions that use Cisco SFS 70xxD Series high-speed interconnects and 2U server nodes, 2:1 bandwidth. |
| Chapter 3 | Provides the cabling tables for HP Cluster Platform solutions that use Cisco SFS 70xxD Series high-speed interconnects and 4U server nodes, 2:1 bandwidth. |

## Additional Documentation

More information about cluster components can be found in the documentation set that shipped with your cluster and from:

http://docs.hp.com/en/highperfcomp.html

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# 1 General Cabling Procedures

## 1-1 Overview

Cluster building blocks are connected, configured, and tested during the manufacturing process. After technicians complete the final diagnostic process at the factory, they disconnect the cables and package the cables separately from the cluster to prevent them from being damaged during shipment. The cables are reconnected at the installation site.

## 1-2 General Cabling Guidelines

When installing cables, adhere to the follow rules:

- If possible, route cables in a manner that allows the shortest overall cable length.
- Keep signal cables away from power cables.
- Avoid sharp cable bends, particularly for fiber-optic cables.
- Do not block cluster components from being freely inserted and removed from their shelves.
- Do not route cables tightly against the metal edges of the rack.
- When bundling signal cables along the outside of the rack rails, do so in a manner that allows the rack doors to close easily.
- Fasten cables along rack rails using cable ties or nylon cable clamps, U-nuts, and screws. When adding cables, insert them into existing cable clamps, if possible.
- If the rack is to be positioned next to other enclosures, maintain a sufficient service loop in any connecting cables to allow the rack to be moved out for access.

**WARNING!** Rack edges may be sharp and can slice or abrade skin or cable insulation.

## 1-3 Cable Installation Steps

Perform the following steps when connecting cluster cables:

1. Confirm that the main breaker and breakers 1 through 4 on the main PDU are in the Off position (switched to the right).
2. Connect all PDUs to the power source.
3. Turn on the main breaker on each PDU (switched to the left).
4. Verify that power is present. A red light on the PDU main breaker indicates there is source power. If power is not present, contact an electrician.
5. Shut power off and disconnect PDU cables.
6. Connect the cables from the nodes to the system interconnect.
7. Connect the network cables from the nodes to the Ethernet network switch.
8. Connect the cables from the KVM switch to the control nodes.
9. Connect the cables from the control nodes to the storage components (optional).
10. Reconnect PDU cables and turn on the cluster.

# 1-4 Server Cable Management

All servers require a cable management system consisting of brackets and straps that support the many interconnect cables. Cable management components are preinstalled on clusters. The cable management brackets provide the following features:

- An electrically-correct and EMI-free connection between the cable and its destination port in the server's PCI bus. Interconnect cables can be large-diameter and heavy. The bracket ensures that there is no strain on the correction.
- Orderly routing and management of cables to facilitate servicing and prevent air dams, which can disrupt the flow of cool air into the cabinet.
- Assurance that you do not exceed the minimum bend radius when installing cables.

# 1-5 Quantities of Components Required

The following tables indicate the required number of components depending on the total amount of server nodes and type of Cisco SFS 70xxD Series Interconnect with **2:1 Reduced Bandwidth**.

**Table 1-1** 1 - 288 Node Configurations Using 7000D Interconnects 2:1 Reduced Bandwidth

| Nodes | 7000D Leaf Chassis (24*4x) | 7000D Spine Chassis | Total 7000D Chassis | Total Number of 4x Link Cables | Minimum Number of Managed Switches |
|---|---|---|---|---|---|
| 1 - 24 | 1 | 0 | 1 | 0 + nodes | 1 |
| 25 - 32 | 2 | 0 | 2 | 8 + nodes | 2 |
| 33- 48 | 3 | 1 | 4 | 24 + nodes | 2 |
| 49 - 64 | 4 | 2 | 6 | 32 + nodes | 2 |
| 65 - 80 | 5 | 2 | 7 | 40 + nodes | 2 |
| 81 - 96 | 6 | 2 | 8 | 48 + nodes | 2 |
| 97 - 112 | 7 | 4 | 11 | 56 + nodes | 2 |
| 113 - 128 | 8 | 4 | 12 | 64 + nodes | 2 |
| 129 - 144 | 9 | 4 | 13 | 72 + nodes | 2 |
| 145 - 160 | 10 | 4 | 14 | 80 + nodes | 2 |
| 161 - 176 | 11 | 4 | 15 | 88 + nodes | 2 |
| 177 - 192 | 12 | 4 | 16 | 96 + nodes | 2 |
| 193 - 208 | 13 | 8 | 21 | 104 + nodes | 2 |
| 209 - 224 | 14 | 8 | 22 | 112 + nodes | 2 |
| 225 - 240 | 15 | 8 | 23 | 120 + nodes | 2 |
| 241 - 256 | 16 | 8 | 24 | 128 + nodes | 2 |
| 257 - 272 | 17 | 8 | 25 | 136 + nodes | 2 |
| 273 - 288 | 18 | 8 | 26 | 144 + nodes | 2 |

**Table 1-2** 1 - 144 Node Configurations Using 7012D Interconnect 2:1 Reduced Bandwidth

| Nodes | Number of Managed 7012D Chassis | Total Number of Power Supplies | Number of Fabric Boards | Number of 24 port 12 port switch cards | Total Number of 4x Link Cables |
|---|---|---|---|---|---|
| 1 - 24 | 1 | | 2 | 2 | 0 + nodes |
| 25 - 36 | 1 | | 2 | 3 | 0 + nodes |
| 37-48 | 1 | | 2 | 4 | 0 + nodes |
| 49 - 60 | 1 | | 2 | 5 | 0 + nodes |
| 61 - 72 | 1 | | 2 | 6 | 0 + nodes |
| 73 - 84 | 1 | | 2 | 7 | 0 + nodes |
| 85 - 96 | 1 | | 2 | 8 | 0 + nodes |
| 97 - 108 | 1 | | 2 | 9 | 0 + nodes |
| 109 - 120 | 1 | | 2 | 10 | 0 + nodes |
| 121 - 132 | 1 | | 2 | 11 | 0 + nodes |
| 133 - 144 | 1 | | 2 | 12 | 0 + nodes |

**Table 1-3** 1 - 288 Node Configurations Using 7024D Interconnect 2:1 Reduced Bandwidth

| Nodes | Number of Managed 7024D Chassis | Total Number of Power Supplies | Number of Fabric Boards | Number of 24 port 12 port switch cards | Total Number of 4x Link Cables |
|---|---|---|---|---|---|
| 1 - 24 | 1 | | 2 | 2 | 0 + nodes |
| 25 - 36 | 1 | | 2 | 3 | 0 + nodes |
| 37-48 | 1 | | 2 | 4 | 0 + nodes |
| 49 - 60 | 1 | | 2 | 5 | 0 + nodes |
| 61 - 72 | 1 | | 2 | 6 | 0 + nodes |
| 73 - 84 | 1 | | 2 | 7 | 0 + nodes |
| 85 - 96 | 1 | | 2 | 8 | 0 + nodes |
| 97 - 108 | 1 | | 2 | 9 | 0 + nodes |
| 109 - 120 | 1 | | 2 | 10 | 0 + nodes |
| 121 - 132 | 1 | | 2 | 11 | 0 + nodes |
| 133 - 144 | 1 | | 2 | 12 | 0 + nodes |
| 145 - 156 | 1 | | 2 | 13 | 0 + nodes |
| 157 - 168 | 1 | | 2 | 14 | 0 + nodes |
| 169 - 180 | 1 | | 2 | 15 | 0 + nodes |
| 181 - 192 | 1 | | 2 | 16 | 0 + nodes |
| 193 - 204 | 1 | | 2 | 17 | 0 + nodes |
| 205 - 216 | 1 | | 2 | 18 | 0 + nodes |
| 217 - 228 | 1 | | 2 | 19 | 0 + nodes |
| 229 - 240 | 1 | | 2 | 20 | 0 + nodes |
| 241 - 252 | 1 | | 2 | 21 | 0 + nodes |
| 253 - 264 | 1 | | 2 | 22 | 0 + nodes |
| 265 - 276 | 1 | | 2 | 23 | 0 + nodes |
| 277 - 288 | 1 | | 2 | 24 | 0 + nodes |

**Table 1-4** Federated 289 - 576 Node Configurations Using 7000D and 7024D Interconnects 2:1 Reduced Bandwidth

| Nodes | Number Of 7000D Leaf Chassis (24*4x) | Total 7000D Chassis | Number of 7024D Chassis | Total Number of Power Supplies | Total Number of Fabric Boards | Number of 12 port switch cards | Total Number of 4x Link Cables | Minimum Number of Managed Switches |
|---|---|---|---|---|---|---|---|---|
| 289 - 300 | 0 | 0 | 2 | | 6 | 33 | 96 + nodes | 2 |
| 301 - 312 | 0 | 0 | 2 | | 6 | 34 | 96 + nodes | 2 |
| 313 - 324 | 0 | 0 | 2 | | 6 | 35 | 96 + nodes | 2 |
| 325 - 336 | 0 | 0 | 2 | | 6 | 36 | 96 + nodes | 2 |
| 337 - 348 | 0 | 0 | 2 | | 6 | 37 | 96 + nodes | 2 |
| 349 - 360 | 0 | 0 | 2 | | 6 | 38 | 96 + nodes | 2 |
| 361 - 372 | 0 | 0 | 2 | | 6 | 39 | 96 + nodes | 2 |
| 373 - 384 | 0 | 0 | 2 | | 6 | 40 | 96 + nodes | 2 |
| 385 - 400 | 25 | 25 | 1 | | 3 | 17 | 200 + nodes | 2 |
| 401 - 416 | 26 | 26 | 1 | | 3 | 18 | 208 + nodes | 2 |
| 417 - 432 | 27 | 27 | 1 | | 3 | 18 | 216 + nodes | 2 |
| 433 - 448 | 28 | 28 | 1 | | 3 | 19 | 224 + nodes | 2 |
| 449 - 464 | 29 | 29 | 1 | | 3 | 20 | 232 + nodes | 2 |
| 465 - 480 | 30 | 30 | 1 | | 3 | 20 | 240 + nodes | 2 |
| 481 - 496 | 31 | 31 | 1 | | 3 | 21 | 248 + nodes | 2 |
| 497 - 512 | 32 | 32 | 1 | | 3 | 22 | 256 + nodes | 2 |
| 513 - 528 | 33 | 33 | 1 | | 3 | 22 | 264 + nodes | 2 |
| 529 - 544 | 34 | 34 | 1 | | 3 | 23 | 272 + nodes | 2 |
| 545 - 560 | 35 | 35 | 1 | | 3 | 24 | 280 + nodes | 2 |
| 561 - 576 | 36 | 36 | 1 | | 3 | 24 | 288 + nodes | 2 |

# 1-6 Labeling Syntax for Cable Origins

The syntax for cable origins is as follows:

**IBL***xx* **- S***xx or* **M***x* - **P***xx*

Table 13 defines the elements of the syntax.

**Table 1-5** Labeling Syntax for Cable Origins

| Syntax Element | Definition |
|---|---|
| IB | InfiniBand |
| Lxx | Leaf Switch Number |
| Sxx | Spine Switch Number |
| Mx | Slot or Module Number |
| Pxx | Port Number |

A typical cable origin address is: IBL00-M0-P00.

# 1-7 Labeling Syntax for Cable Destinations

The syntax for cable destinations is as follows:

**UBB**-**U***nn*-**P***xx*, or **C***xx*-**E***x*-**IMB***x*-**P***xx*

Table 2 defines the elements of the syntax:

**Table 1-6** Labeling Syntax for Cable Destinations

| Syntax Element | Definition |
|---|---|
| Cxx | Blades Cabinet Number |
| Ex | Blades Enclosure Number |
| IMBx | Enclosure Slot Number |
| CBBx | Compute Build Block Number |
| UBB | Utility Building Block |
| CBBxx | The number of the compute building block containing the node. A CBB is a rack containing application nodes. All application racks are labeled with a CBB number. |
| Uxx | Utility Node Number |
| Cxx | Control Node Number |
| Nxx | Node Number |
| Mx | Module or Slot Number |
| Pxx | Port Number |

Typical cable destination addresses are: *C01-E2-IMB5-P2* and UBB-U23-P0.

# 2 Cisco SFS 70xxD Series Cabling Tables for 2U Servers, 2:1 Bandwidth, 18 Nodes Per Rack

## 2-1 1 - 24 Nodes Full Bandwidth

| Origin | Destination | Secondary Destination |
|---|---|---|
| IBL00-P01 | CBB1-N1-P0 | UBB-U23-P0 |
| IBL00-P02 | CBB1-N2-P0 | UBB-U22-P0 |
| IBL00-P03 | CBB1-N3-P0 | UBB-U21-P0 |
| IBL00-P04 | CBB1-N4-P0 | UBB-U20-P0 |
| IBL00-P05 | CBB1-N5-P0 | UBB-U19-P0 |
| IBL00-P06 | CBB1-N6-P0 | UBB-U18-P0 |
| IBL00-P07 | CBB1-N7-P0 | UBB-U17-P0 |
| IBL00-P08 | CBB1-N8-P0 | UBB-U16-P0 |
| IBL00-P09 | CBB1-N9-P0 | UBB-U15-P0 |
| IBL00-P10 | CBB1-N10-P0 | UBB-U14-P0 |
| IBL00-P11 | CBB1-N11-P0 | UBB-U13-P0 |
| IBL00-P12 | CBB1-N12-P0 | UBB-U12-P0 |
| IBL00-P13 | CBB1-N13-P0 | UBB-U11-P0 |
| IBL00-P14 | CBB1-N14-P0 | UBB-U10-P0 |
| IBL00-P15 | CBB1-N15-P0 | UBB-U9-P0 |
| IBL00-P16 | CBB1-N16-P0 | UBB-U8-P0 |
| IBL00-P17 | CBB1-N17-P0 | UBB-U7-P0 |
| IBL00-P18 | CBB1-N18-P0 | UBB-U6-P0 |
| IBL00-P19 | UBB-U5-P0 | |
| IBL00-P20 | UBB-U4-P0 | |
| IBL00-P21 | UBB-U3-P0 | |
| IBL00-P22 | UBB-U2-P0 | |
| IBL00-P23 | UBB-U1-P0 | |
| IBL00-P24 | UBB-C1-P0 | |

# 2-2 25 - 32 Nodes, Back-to-Back

| Origin | Destination |
|---|---|
| IBL00-P01 | CBB1-N1-P0 |
| IBL00-P02 | CBB1-N2-P0 |
| IBL00-P03 | CBB1-N3-P0 |
| IBL00-P04 | CBB1-N4-P0 |
| IBL00-P05 | CBB1-N5-P0 |
| IBL00-P06 | CBB1-N6-P0 |
| IBL00-P07 | CBB1-N7-P0 |
| IBL00-P08 | CBB1-N8-P0 |
| IBL00-P09 | IBL01-P09 |
| IBL00-P10 | IBL01-P10 |
| IBL00-P11 | IBL01-P11 |
| IBL00-P12 | IBL01-P12 |
| IBL00-P13 | CBB1-N9-P0 |
| IBL00-P14 | CBB1-N10-P0 |
| IBL00-P15 | CBB1-N11-P0 |
| IBL00-P16 | CBB1-N12-P0 |
| IBL00-P17 | CBB1-N13-P0 |
| IBL00-P18 | CBB1-N14-P0 |
| IBL00-P19 | CBB1-N15-P0 |
| IBL00-P20 | CBB1-N16-P0 |
| IBL00-P21 | IBL01-P21 |
| IBL00-P22 | IBL01-P22 |
| IBL00-P23 | IBL01-P23 |
| IBL00-P24 | IBL01-P24 |

| Origin | Primary Destination | Secondary Destination |
|---|---|---|
| IBL01-P01 | CBB1-N17-P0 | |
| IBL01-P02 | CBB1-N18-P0 | |
| IBL01-P03 | CBB2-N1-P0 | UBB-U13-P0 |
| IBL01-P04 | CBB2-N2-P0 | UBB-U12-P0 |
| IBL01-P05 | CBB2-N3-P0 | UBB-U11-P0 |
| IBL01-P06 | CBB2-N4-P0 | UBB-U10-P0 |
| IBL01-P07 | CBB2-N5-P0 | UBB-U9-P0 |
| IBL01-P08 | CBB2-N6-P0 | UBB-U8-P0 |
| IBL01-P09 | IBL00-P09 | |
| IBL01-P10 | IBL00-P10 | |
| IBL01-P11 | IBL00-P11 | |
| IBL01-P12 | IBL00-P12 | |
| IBL01-P13 | CBB2-N7-P0 | UBB-U7-P0 |
| IBL01-P14 | CBB2-N8-P0 | UBB-U6-P0 |
| IBL01-P15 | CBB2-N9-P0 | UBB-U5-P0 |
| IBL01-P16 | CBB2-N10-P0 | UBB-U4-P0 |
| IBL01-P17 | CBB2-N11-P0 | UBB-U3-P0 |
| IBL01-P18 | CBB2-N12-P0 | UBB-U2-P0 |
| IBL01-P19 | CBB2-N13-P0 | UBB-U1-P0 |
| IBL01-P20 | UBB-C1-P0 | |
| IBL01-P21 | IBL00-P21 | |
| IBL01-P22 | IBL00-P22 | |
| IBL01-P23 | IBL00-P23 | |
| IBL01-P24 | IBL00-P24 | |

# 2-3 25 - 48 Nodes Federated

| Origin | Destination | Origin | Primary Destination |
|---|---|---|---|
| IBL00-P01 | CBB1-N1-P0 | IBL01-P01 | CBB1-N17-P0 |
| IBL00-P02 | CBB1-N2-P0 | IBL01-P02 | CBB1-N18-P0 |
| IBL00-P03 | CBB1-N3-P0 | IBL01-P03 | CBB2-N1-P0 |
| IBL00-P04 | CBB1-N4-P0 | IBL01-P04 | CBB2-N2-P0 |
| IBL00-P05 | CBB1-N5-P0 | IBL01-P05 | CBB2-N3-P0 |
| IBL00-P06 | CBB1-N6-P0 | IBL01-P06 | CBB2-N4-P0 |
| IBL00-P07 | CBB1-N7-P0 | IBL01-P07 | CBB2-N5-P0 |
| IBL00-P08 | CBB1-N8-P0 | IBL01-P08 | CBB2-N6-P0 |
| IBL00-P09 | IBS00-P01 | IBL01-P09 | IBS00-P02 |
| IBL00-P10 | IBS00-P04 | IBL01-P10 | IBS00-P05 |
| IBL00-P11 | IBS00-P07 | IBL01-P11 | IBS00-P08 |
| IBL00-P12 | IBS00-P10 | IBL01-P12 | IBS00-P011 |
| IBL00-P13 | CBB1-N9-P0 | IBL01-P13 | CBB2-N7-P0 |
| IBL00-P14 | CBB1-N10-P0 | IBL01-P14 | CBB2-N8-P0 |
| IBL00-P15 | CBB1-N11-P0 | IBL01-P15 | CBB2-N9-P0 |
| IBL00-P16 | CBB1-N12-P0 | IBL01-P16 | CBB2-N10-P0 |
| IBL00-P17 | CBB1-N13-P0 | IBL01-P17 | CBB2-N11-P0 |
| IBL00-P18 | CBB1-N14-P0 | IBL01-P18 | CBB2-N12-P0 |
| IBL00-P19 | CBB1-N15-P0 | IBL01-P19 | CBB2-N13-P0 |
| IBL00-P20 | CBB1-N16-P0 | IBL01-P20 | CBB2-N14-P0 |
| IBL00-P21 | IBS00-P13 | IBL01-P21 | IBS00-P14 |
| IBL00-P22 | IBS00-P16 | IBL01-P22 | IBS00-P17 |
| IBL00-P23 | IBS00-P19 | IBL01-P23 | IBS00-P20 |
| IBL00-P24 | IBS00-P22 | IBL01-P24 | IBS00-P23 |

| Origin | Destination | Secondary Destination |
|---|---|---|
| IBL02-P01 | CBB2-N15-P0 | UBB-U15-P0 |
| IBL02-P02 | CBB2-N16-P0 | UBB-U14-P0 |
| IBL02-P03 | CBB2-N17-P0 | UBB-U13-P0 |
| IBL02-P04 | CBB2-N18-P0 | UBB-U12-P0 |
| IBL02-P05 | CBB3-N1-P0 | UBB-U11-P0 |
| IBL02-P06 | CBB3-N2-P0 | UBB-U10-P0 |
| IBL02-P07 | CBB3-N3-P0 | UBB-U9-P0 |
| IBL02-P08 | CBB3-N4-P0 | UBB-U8-P0 |
| IBL02-P09 | IBS00-P03 | |
| IBL02-P10 | IBS00-P06 | |
| IBL02-P11 | IBS00-P09 | |
| IBL02-P12 | IBS00-P012 | |
| IBL02-P13 | CBB3-N5-P0 | UBB-U7-P0 |
| IBL02-P14 | CBB3-N6-P0 | UBB-U6-P0 |
| IBL02-P15 | CBB3-N7-P0 | UBB-U5-P0 |
| IBL02-P16 | CBB3-N8-P0 | UBB-U4-P0 |
| IBL02-P17 | CBB3-N9-P0 | UBB-U3-P0 |
| IBL02-P18 | CBB3-N10-P0 | UBB-U2-P0 |
| IBL02-P19 | CBB3-N11-P0 | UBB-U1-P0 |
| IBL02-P20 | UBB-C1-P0 | |
| IBL02-P21 | IBS00-P15 | |
| IBL02-P22 | IBS00-P18 | |
| IBL02-P23 | IBS00-P21 | |
| IBL02-P24 | IBS00-P24 | |

# 2-4 1-144 Nodes, Full Bandwidth (Using 7012D)

| Origin | Destination |
|---|---|
| IBL00-M1-P1 | CBB1-N1-P0 |
| IBL00-M1-P2 | CBB1-N2-P0 |
| IBL00-M1-P3 | CBB1-N3-P0 |
| IBL00-M1-P4 | CBB1-N4-P0 |
| IBL00-M1-P5 | CBB1-N5-P0 |
| IBL00-M1-P6 | CBB1-N6-P0 |
| IBL00-M1-P7 | CBB1-N7-P0 |
| IBL00-M1-P8 | CBB1-N8-P0 |
| IBL00-M1-P9 | CBB1-N9-P0 |
| IBL00-M1-P10 | CBB1-N10-P0 |
| IBL00-M1-P11 | CBB1-N11-P0 |
| IBL00-M1-P12 | CBB1-N12-P0 |
| IBL00-M2-P1 | CBB1-N13-P0 |
| IBL00-M2-P2 | CBB1-N14-P0 |
| IBL00-M2-P3 | CBB1-N15-P0 |
| IBL00-M2-P4 | CBB1-N16-P0 |
| IBL00-M2-P5 | CBB1-N17-P0 |
| IBL00-M2-P6 | CBB1-N18-P0 |
| IBL00-M2-P7 | CBB2-N1-P0 |
| IBL00-M2-P8 | CBB2-N2-P0 |
| IBL00-M2-P9 | CBB2-N3-P0 |
| IBL00-M2-P10 | CBB2-N4-P0 |
| IBL00-M2-P11 | CBB2-N5-P0 |
| IBL00-M2-P12 | CBB2-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M3-P1 | CBB2-N7-P0 |
| IBL00-M3-P2 | CBB2-N8-P0 |
| IBL00-M3-P3 | CBB2-N9-P0 |
| IBL00-M3-P4 | CBB2-N10-P0 |
| IBL00-M3-P5 | CBB2-N11-P0 |
| IBL00-M3-P6 | CBB2-N12-P0 |
| IBL00-M3-P7 | CBB2-N13-P0 |
| IBL00-M3-P8 | CBB2-N14-P0 |
| IBL00-M3-P9 | CBB2-N15-P0 |
| IBL00-M3-P10 | CBB2-N16-P0 |
| IBL00-M3-P11 | CBB2-N17-P0 |
| IBL00-M3-P12 | CBB2-N18-P0 |
| IBL00-M4-P1 | CBB3-N1-P0 |
| IBL00-M4-P2 | CBB3-N2-P0 |
| IBL00-M4-P3 | CBB3-N3-P0 |
| IBL00-M4-P4 | CBB3-N4-P0 |
| IBL00-M4-P5 | CBB3-N5-P0 |
| IBL00-M4-P6 | CBB3-N6-P0 |
| IBL00-M4-P7 | CBB3-N7-P0 |
| IBL00-M4-P8 | CBB3-N8-P0 |
| IBL00-M4-P9 | CBB3-N9-P0 |
| IBL00-M4-P10 | CBB3-N10-P0 |
| IBL00-M4-P11 | CBB3-N11-P0 |
| IBL00-M4-P12 | CBB3-N12-P0 |

| Origin | Destination |
|---|---|
| IBL00-M5-P1 | CBB3-N13-P0 |
| IBL00-M5-P2 | CBB3-N14-P0 |
| IBL00-M5-P3 | CBB3-N15-P0 |
| IBL00-M5-P4 | CBB3-N16-P0 |
| IBL00-M5-P5 | CBB3-N17-P0 |
| IBL00-M5-P6 | CBB3-N18-P0 |
| IBL00-M5-P7 | CBB4-N1-P0 |
| IBL00-M5-P8 | CBB4-N2-P0 |
| IBL00-M5-P9 | CBB4-N3-P0 |
| IBL00-M5-P10 | CBB4-N4-P0 |
| IBL00-M5-P11 | CBB4-N5-P0 |
| IBL00-M5-P12 | CBB4-N6-P0 |
| IBL00-M6-P1 | CBB4-N7-P0 |
| IBL00-M6-P2 | CBB4-N8-P0 |
| IBL00-M6-P3 | CBB4-N9-P0 |
| IBL00-M6-P4 | CBB4-N10-P0 |
| IBL00-M6-P5 | CBB4-N11-P0 |
| IBL00-M6-P6 | CBB4-N12-P0 |
| IBL00-M6-P7 | CBB4-N13-P0 |
| IBL00-M6-P8 | CBB4-N14-P0 |
| IBL00-M6-P9 | CBB4-N15-P0 |
| IBL00-M6-P10 | CBB4-N16-P0 |
| IBL00-M6-P11 | CBB4-N17-P0 |
| IBL00-M6-P12 | CBB4-N18-P0 |

| Origin | Destination |
|---|---|
| IBL00-M7-P1 | CBB5-N1-P0 |
| IBL00-M7-P2 | CBB5-N2-P0 |
| IBL00-M7-P3 | CBB5-N3-P0 |
| IBL00-M7-P4 | CBB5-N4-P0 |
| IBL00-M7-P5 | CBB5-N5-P0 |
| IBL00-M7-P6 | CBB5-N6-P0 |
| IBL00-M7-P7 | CBB5-N7-P0 |
| IBL00-M7-P8 | CBB5-N8-P0 |
| IBL00-M7-P9 | CBB5-N9-P0 |
| IBL00-M7-P10 | CBB5-N10-P0 |
| IBL00-M7-P11 | CBB5-N11-P0 |
| IBL00-M7-P12 | CBB5-N12-P0 |
| IBL00-M8-P1 | CBB5-N13-P0 |
| IBL00-M8-P2 | CBB5-N14-P0 |
| IBL00-M8-P3 | CBB5-N15-P0 |
| IBL00-M8-P4 | CBB5-N16-P0 |
| IBL00-M8-P5 | CBB5-N17-P0 |
| IBL00-M8-P6 | CBB5-N18-P0 |
| IBL00-M8-P7 | CBB6-N1-P0 |
| IBL00-M8-P8 | CBB6-N2-P0 |
| IBL00-M8-P9 | CBB6-N3-P0 |
| IBL00-M8-P10 | CBB6-N4-P0 |
| IBL00-M8-P11 | CBB6-N5-P0 |
| IBL00-M8-P12 | CBB6-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M9-P1 | CBB6-N7-P0 |
| IBL00-M9-P2 | CBB6-N8-P0 |
| IBL00-M9-P3 | CBB6-N9-P0 |
| IBL00-M9-P4 | CBB6-N10-P0 |
| IBL00-M9-P5 | CBB6-N11-P0 |
| IBL00-M9-P6 | CBB6-N12-P0 |
| IBL00-M9-P7 | CBB6-N13-P0 |
| IBL00-M9-P8 | CBB6-N14-P0 |
| IBL00-M9-P9 | CBB6-N15-P0 |
| IBL00-M9-P10 | CBB6-N16-P0 |
| IBL00-M9-P11 | CBB6-N17-P0 |
| IBL00-M9-P12 | CBB6-N18-P0 |
| IBL00-M10-P1 | CBB7-N1-P0 |
| IBL00-M10-P2 | CBB7-N2-P0 |
| IBL00-M10-P3 | CBB7-N3-P0 |
| IBL00-M10-P4 | CBB7-N4-P0 |
| IBL00-M10-P5 | CBB7-N5-P0 |
| IBL00-M10-P6 | CBB7-N6-P0 |
| IBL00-M10-P7 | CBB7-N7-P0 |
| IBL00-M10-P8 | CBB7-N8-P0 |
| IBL00-M10-P9 | CBB7-N9-P0 |
| IBL00-M10-P10 | CBB7-N10-P0 |
| IBL00-M10-P11 | CBB7-N11-P0 |
| IBL00-M10-P12 | CBB7-N12-P0 |

| Origin | Destination | Destination Priority 2 |
|---|---|---|
| IBL00-M11-P1 | CBB7-N13-P0 | UBB-U23-P0 |
| IBL00-M11-P2 | CBB7-N14-P0 | UBB-U22-P0 |
| IBL00-M11-P3 | CBB7-N15-P0 | UBB-U21-P0 |
| IBL00-M11-P4 | CBB7-N16-P0 | UBB-U20-P0 |
| IBL00-M11-P5 | CBB7-N17-P0 | UBB-U19-P0 |
| IBL00-M11-P6 | CBB7-N18-P0 | UBB-U18-P0 |
| IBL00-M11-P7 | CBB8-N1-P0 | UBB-U17-P0 |
| IBL00-M11-P8 | CBB8-N2-P0 | UBB-U16-P0 |
| IBL00-M11-P9 | CBB8-N3-P0 | UBB-U15-P0 |
| IBL00-M11-P10 | CBB8-N4-P0 | UBB-U14-P0 |
| IBL00-M11-P11 | CBB8-N5-P0 | UBB-U13-P0 |
| IBL00-M11-P12 | CBB8-N6-P0 | UBB-U12-P0 |
| IBL00-M12-P1 | CBB8-N7-P0 | UBB-U11-P0 |
| IBL00-M12-P2 | CBB8-N8-P0 | UBB-U10-P0 |
| IBL00-M12-P3 | CBB8-N9-P0 | UBB-U9-P0 |
| IBL00-M12-P4 | CBB8-N10-P0 | UBB-U8-P0 |
| IBL00-M12-P5 | CBB8-N11-P0 | UBB-U7-P0 |
| IBL00-M12-P6 | CBB8-N12-P0 | UBB-U6-P0 |
| IBL00-M12-P7 | CBB8-N13-P0 | UBB-U5-P0 |
| IBL00-M12-P8 | CBB8-N14-P0 | UBB-U4-P0 |
| IBL00-M12-P9 | CBB8-N15-P0 | UBB-U3-P0 |
| IBL00-M12-P10 | CBB8-N16-P0 | UBB-U2-P0 |
| IBL00-M12-P11 | CBB8-N17-P0 | UBB-U1-P0 |
| IBL00-M12-P12 | UBB-C1-P0 | |

# 2-5 1-288 Nodes, Full Bandwidth (Using 7024D)

| Origin | Destination |
|---|---|
| IBL00-M1-P1 | CBB1-N1-P0 |
| IBL00-M1-P2 | CBB1-N2-P0 |
| IBL00-M1-P3 | CBB1-N3-P0 |
| IBL00-M1-P4 | CBB1-N4-P0 |
| IBL00-M1-P5 | CBB1-N5-P0 |
| IBL00-M1-P6 | CBB1-N6-P0 |
| IBL00-M1-P7 | CBB1-N7-P0 |
| IBL00-M1-P8 | CBB1-N8-P0 |
| IBL00-M1-P9 | CBB1-N9-P0 |
| IBL00-M1-P10 | CBB1-N10-P0 |
| IBL00-M1-P11 | CBB1-N11-P0 |
| IBL00-M1-P12 | CBB1-N12-P0 |
| IBL00-M2-P1 | CBB1-N13-P0 |
| IBL00-M2-P2 | CBB1-N14-P0 |
| IBL00-M2-P3 | CBB1-N15-P0 |
| IBL00-M2-P4 | CBB1-N16-P0 |
| IBL00-M2-P5 | CBB1-N17-P0 |
| IBL00-M2-P6 | CBB1-N18-P0 |
| IBL00-M2-P7 | CBB2-N1-P0 |
| IBL00-M2-P8 | CBB2-N2-P0 |
| IBL00-M2-P9 | CBB2-N3-P0 |
| IBL00-M2-P10 | CBB2-N4-P0 |
| IBL00-M2-P11 | CBB2-N5-P0 |
| IBL00-M2-P12 | CBB2-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M3-P1 | CBB2-N7-P0 |
| IBL00-M3-P2 | CBB2-N8-P0 |
| IBL00-M3-P3 | CBB2-N9-P0 |
| IBL00-M3-P4 | CBB2-N10-P0 |
| IBL00-M3-P5 | CBB2-N11-P0 |
| IBL00-M3-P6 | CBB2-N12-P0 |
| IBL00-M3-P7 | CBB2-N13-P0 |
| IBL00-M3-P8 | CBB2-N14-P0 |
| IBL00-M3-P9 | CBB2-N15-P0 |
| IBL00-M3-P10 | CBB2-N16-P0 |
| IBL00-M3-P11 | CBB2-N17-P0 |
| IBL00-M3-P12 | CBB2-N18-P0 |
| IBL00-M4-P1 | CBB3-N1-P0 |
| IBL00-M4-P2 | CBB3-N2-P0 |
| IBL00-M4-P3 | CBB3-N3-P0 |
| IBL00-M4-P4 | CBB3-N4-P0 |
| IBL00-M4-P5 | CBB3-N5-P0 |
| IBL00-M4-P6 | CBB3-N6-P0 |
| IBL00-M4-P7 | CBB3-N7-P0 |
| IBL00-M4-P8 | CBB3-N8-P0 |
| IBL00-M4-P9 | CBB3-N9-P0 |
| IBL00-M4-P10 | CBB3-N10-P0 |
| IBL00-M4-P11 | CBB3-N11-P0 |
| IBL00-M4-P12 | CBB3-N12-P0 |

| Origin | Destination |
|---|---|
| IBL00-M5-P1 | CBB3-N13-P0 |
| IBL00-M5-P2 | CBB3-N14-P0 |
| IBL00-M5-P3 | CBB3-N15-P0 |
| IBL00-M5-P4 | CBB3-N16-P0 |
| IBL00-M5-P5 | CBB3-N17-P0 |
| IBL00-M5-P6 | CBB3-N18-P0 |
| IBL00-M5-P7 | CBB4-N1-P0 |
| IBL00-M5-P8 | CBB4-N2-P0 |
| IBL00-M5-P9 | CBB4-N3-P0 |
| IBL00-M5-P10 | CBB4-N4-P0 |
| IBL00-M5-P11 | CBB4-N5-P0 |
| IBL00-M5-P12 | CBB4-N6-P0 |
| IBL00-M6-P1 | CBB4-N7-P0 |
| IBL00-M6-P2 | CBB4-N8-P0 |
| IBL00-M6-P3 | CBB4-N9-P0 |
| IBL00-M6-P4 | CBB4-N10-P0 |
| IBL00-M6-P5 | CBB4-N11-P0 |
| IBL00-M6-P6 | CBB4-N12-P0 |
| IBL00-M6-P7 | CBB4-N13-P0 |
| IBL00-M6-P8 | CBB4-N14-P0 |
| IBL00-M6-P9 | CBB4-N15-P0 |
| IBL00-M6-P10 | CBB4-N16-P0 |
| IBL00-M6-P11 | CBB4-N17-P0 |
| IBL00-M6-P12 | CBB4-N18-P0 |

| Origin | Destination |
|---|---|
| IBL00-M7-P1 | CBB5-N1-P0 |
| IBL00-M7-P2 | CBB5-N2-P0 |
| IBL00-M7-P3 | CBB5-N3-P0 |
| IBL00-M7-P4 | CBB5-N4-P0 |
| IBL00-M7-P5 | CBB5-N5-P0 |
| IBL00-M7-P6 | CBB5-N6-P0 |
| IBL00-M7-P7 | CBB5-N7-P0 |
| IBL00-M7-P8 | CBB5-N8-P0 |
| IBL00-M7-P9 | CBB5-N9-P0 |
| IBL00-M7-P10 | CBB5-N10-P0 |
| IBL00-M7-P11 | CBB5-N11-P0 |
| IBL00-M7-P12 | CBB5-N12-P0 |
| IBL00-M8-P1 | CBB5-N13-P0 |
| IBL00-M8-P2 | CBB5-N14-P0 |
| IBL00-M8-P3 | CBB5-N15-P0 |
| IBL00-M8-P4 | CBB5-N16-P0 |
| IBL00-M8-P5 | CBB5-N17-P0 |
| IBL00-M8-P6 | CBB5-N18-P0 |
| IBL00-M8-P7 | CBB6-N1-P0 |
| IBL00-M8-P8 | CBB6-N2-P0 |
| IBL00-M8-P9 | CBB6-N3-P0 |
| IBL00-M8-P10 | CBB6-N4-P0 |
| IBL00-M8-P11 | CBB6-N5-P0 |
| IBL00-M8-P12 | CBB6-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M9-P1 | CBB6-N7-P0 |
| IBL00-M9-P2 | CBB6-N8-P0 |
| IBL00-M9-P3 | CBB6-N9-P0 |
| IBL00-M9-P4 | CBB6-N10-P0 |
| IBL00-M9-P5 | CBB6-N11-P0 |
| IBL00-M9-P6 | CBB6-N12-P0 |
| IBL00-M9-P7 | CBB6-N13-P0 |
| IBL00-M9-P8 | CBB6-N14-P0 |
| IBL00-M9-P9 | CBB6-N15-P0 |
| IBL00-M9-P10 | CBB6-N16-P0 |
| IBL00-M9-P11 | CBB6-N17-P0 |
| IBL00-M9-P12 | CBB6-N18-P0 |
| IBL00-M10-P1 | CBB7-N1-P0 |
| IBL00-M10-P2 | CBB7-N2-P0 |
| IBL00-M10-P3 | CBB7-N3-P0 |
| IBL00-M10-P4 | CBB7-N4-P0 |
| IBL00-M10-P5 | CBB7-N5-P0 |
| IBL00-M10-P6 | CBB7-N6-P0 |
| IBL00-M10-P7 | CBB7-N7-P0 |
| IBL00-M10-P8 | CBB7-N8-P0 |
| IBL00-M10-P9 | CBB7-N9-P0 |
| IBL00-M10-P10 | CBB7-N10-P0 |
| IBL00-M10-P11 | CBB7-N11-P0 |
| IBL00-M10-P12 | CBB7-N12-P0 |

| Origin | Destination |
|---|---|
| IBL00-M11-P1 | CBB7-N13-P0 |
| IBL00-M11-P2 | CBB7-N14-P0 |
| IBL00-M11-P3 | CBB7-N15-P0 |
| IBL00-M11-P4 | CBB7-N16-P0 |
| IBL00-M11-P5 | CBB7-N17-P0 |
| IBL00-M11-P6 | CBB7-N18-P0 |
| IBL00-M11-P7 | CBB8-N1-P0 |
| IBL00-M11-P8 | CBB8-N2-P0 |
| IBL00-M11-P9 | CBB8-N3-P0 |
| IBL00-M11-P10 | CBB8-N4-P0 |
| IBL00-M11-P11 | CBB8-N5-P0 |
| IBL00-M11-P12 | CBB8-N6-P0 |
| IBL00-M12-P1 | CBB8-N7-P0 |
| IBL00-M12-P2 | CBB8-N8-P0 |
| IBL00-M12-P3 | CBB8-N9-P0 |
| IBL00-M12-P4 | CBB8-N10-P0 |
| IBL00-M12-P5 | CBB8-N11-P0 |
| IBL00-M12-P6 | CBB8-N12-P0 |
| IBL00-M12-P7 | CBB8-N13-P0 |
| IBL00-M12-P8 | CBB8-N14-P0 |
| IBL00-M12-P9 | CBB8-N15-P0 |
| IBL00-M12-P10 | CBB8-N16-P0 |
| IBL00-M12-P11 | CBB8-N17-P0 |
| IBL00-M12-P12 | CBB8-N18-P0 |

| Origin | Destination |
|---|---|
| IBL00-M13-P1 | CBB9-N1-P0 |
| IBL00-M13-P2 | CBB9-N2-P0 |
| IBL00-M13-P3 | CBB9-N3-P0 |
| IBL00-M13-P4 | CBB9-N4-P0 |
| IBL00-M13-P5 | CBB9-N5-P0 |
| IBL00-M13-P6 | CBB9-N6-P0 |
| IBL00-M13-P7 | CBB9-N7-P0 |
| IBL00-M13-P8 | CBB9-N8-P0 |
| IBL00-M13-P9 | CBB9-N9-P0 |
| IBL00-M13-P10 | CBB9-N10-P0 |
| IBL00-M13-P11 | CBB9-N11-P0 |
| IBL00-M13-P12 | CBB9-N12-P0 |
| IBL00-M14-P1 | CBB9-N13-P0 |
| IBL00-M14-P2 | CBB9-N14-P0 |
| IBL00-M14-P3 | CBB9-N15-P0 |
| IBL00-M14-P4 | CBB9-N16-P0 |
| IBL00-M14-P5 | CBB9-N17-P0 |
| IBL00-M14-P6 | CBB9-N18-P0 |
| IBL00-M14-P7 | CBB10-N1-P0 |
| IBL00-M14-P8 | CBB10-N2-P0 |
| IBL00-M14-P9 | CBB10-N3-P0 |
| IBL00-M14-P10 | CBB10-N4-P0 |
| IBL00-M14-P11 | CBB10-N5-P0 |
| IBL00-M14-P12 | CBB10-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M15-P1 | CBB10-N7-P0 |
| IBL00-M15-P2 | CBB10-N8-P0 |
| IBL00-M15-P3 | CBB10-N9-P0 |
| IBL00-M15-P4 | CBB10-N10-P0 |
| IBL00-M15-P5 | CBB10-N11-P0 |
| IBL00-M15-P6 | CBB10-N12-P0 |
| IBL00-M15-P7 | CBB10-N13-P0 |
| IBL00-M15-P8 | CBB10-N14-P0 |
| IBL00-M15-P9 | CBB10-N15-P0 |
| IBL00-M15-P10 | CBB10-N16-P0 |
| IBL00-M15-P11 | CBB10-N17-P0 |
| IBL00-M15-P12 | CBB10-N18-P0 |
| IBL00-M16-P1 | CBB11-N1-P0 |
| IBL00-M16-P2 | CBB11-N2-P0 |
| IBL00-M16-P3 | CBB11-N3-P0 |
| IBL00-M16-P4 | CBB11-N4-P0 |
| IBL00-M16-P5 | CBB11-N5-P0 |
| IBL00-M16-P6 | CBB11-N6-P0 |
| IBL00-M16-P7 | CBB11-N7-P0 |
| IBL00-M16-P8 | CBB11-N8-P0 |
| IBL00-M16-P9 | CBB11-N9-P0 |
| IBL00-M16-P10 | CBB11-N10-P0 |
| IBL00-M16-P11 | CBB11-N11-P0 |
| IBL00-M16-P12 | CBB11-N12-P0 |

| Origin | Destination |
|---|---|
| IBL00-M17-P1 | CBB11-N13-P0 |
| IBL00-M17-P2 | CBB11-N14-P0 |
| IBL00-M17-P3 | CBB11-N15-P0 |
| IBL00-M17-P4 | CBB11-N16-P0 |
| IBL00-M17-P5 | CBB11-N17-P0 |
| IBL00-M17-P6 | CBB11-N18-P0 |
| IBL00-M17-P7 | CBB12-N1-P0 |
| IBL00-M17-P8 | CBB12-N2-P0 |
| IBL00-M17-P9 | CBB12-N3-P0 |
| IBL00-M17-P10 | CBB12-N4-P0 |
| IBL00-M17-P11 | CBB12-N5-P0 |
| IBL00-M17-P12 | CBB12-N6-P0 |
| IBL00-M18-P1 | CBB12-N7-P0 |
| IBL00-M18-P2 | CBB12-N8-P0 |
| IBL00-M18-P3 | CBB12-N9-P0 |
| IBL00-M18-P4 | CBB12-N10-P0 |
| IBL00-M18-P5 | CBB12-N11-P0 |
| IBL00-M18-P6 | CBB12-N12-P0 |
| IBL00-M18-P7 | CBB12-N13-P0 |
| IBL00-M18-P8 | CBB12-N14-P0 |
| IBL00-M18-P9 | CBB12-N15-P0 |
| IBL00-M18-P10 | CBB12-N16-P0 |
| IBL00-M18-P11 | CBB12-N17-P0 |
| IBL00-M18-P12 | CBB12-N18-P0 |

| Origin | Destination |
|---|---|
| IBL00-M19-P1 | CBB13-N1-P0 |
| IBL00-M19-P2 | CBB13-N2-P0 |
| IBL00-M19-P3 | CBB13-N3-P0 |
| IBL00-M19-P4 | CBB13-N4-P0 |
| IBL00-M19-P5 | CBB13-N5-P0 |
| IBL00-M19-P6 | CBB13-N6-P0 |
| IBL00-M19-P7 | CBB13-N7-P0 |
| IBL00-M19-P8 | CBB13-N8-P0 |
| IBL00-M19-P9 | CBB13-N9-P0 |
| IBL00-M19-P10 | CBB13-N10-P0 |
| IBL00-M19-P11 | CBB13-N11-P0 |
| IBL00-M19-P12 | CBB13-N12-P0 |
| IBL00-M20-P1 | CBB13-N13-P0 |
| IBL00-M20-P2 | CBB13-N14-P0 |
| IBL00-M20-P3 | CBB13-N15-P0 |
| IBL00-M20-P4 | CBB13-N16-P0 |
| IBL00-M20-P5 | CBB13-N17-P0 |
| IBL00-M20-P6 | CBB13-N18-P0 |
| IBL00-M20-P7 | CBB14-N1-P0 |
| IBL00-M20-P8 | CBB14-N2-P0 |
| IBL00-M20-P9 | CBB14-N3-P0 |
| IBL00-M20-P10 | CBB14-N4-P0 |
| IBL00-M20-P11 | CBB14-N5-P0 |
| IBL00-M20-P12 | CBB14-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M21-P1 | CBB14-N7-P0 |
| IBL00-M21-P2 | CBB14-N8-P0 |
| IBL00-M21-P3 | CBB14-N9-P0 |
| IBL00-M21-P4 | CBB14-N10-P0 |
| IBL00-M21-P5 | CBB14-N11-P0 |
| IBL00-M21-P6 | CBB14-N12-P0 |
| IBL00-M21-P7 | CBB14-N13-P0 |
| IBL00-M21-P8 | CBB14-N14-P0 |
| IBL00-M21-P9 | CBB14-N15-P0 |
| IBL00-M21-P10 | CBB14-N16-P0 |
| IBL00-M21-P11 | CBB14-N17-P0 |
| IBL00-M21-P12 | CBB14-N18-P0 |
| IBL00-M22-P1 | CBB15-N1-P0 |
| IBL00-M22-P2 | CBB15-N2-P0 |
| IBL00-M22-P3 | CBB15-N3-P0 |
| IBL00-M22-P4 | CBB15-N4-P0 |
| IBL00-M22-P5 | CBB15-N5-P0 |
| IBL00-M22-P6 | CBB15-N6-P0 |
| IBL00-M22-P7 | CBB15-N7-P0 |
| IBL00-M22-P8 | CBB15-N8-P0 |
| IBL00-M22-P9 | CBB15-N9-P0 |
| IBL00-M22-P10 | CBB15-N10-P0 |
| IBL00-M22-P11 | CBB15-N11-P0 |
| IBL00-M22-P12 | CBB15-N12-P0 |

| Origin | Destination Priority 1 | Destination Priority 2 |
|---|---|---|
| IBL00-M23-P1 | CBB15-N13-P0 | UBB-U23-P0 |
| IBL00-M23-P2 | CBB15-N14-P0 | UBB-U22-P0 |
| IBL00-M23-P3 | CBB15-N15-P0 | UBB-U21-P0 |
| IBL00-M23-P4 | CBB15-N16-P0 | UBB-U20-P0 |
| IBL00-M23-P5 | CBB15-N17-P0 | UBB-U19-P0 |
| IBL00-M23-P6 | CBB15-N18-P0 | UBB-U18-P0 |
| IBL00-M23-P7 | CBB16-N1-P0 | UBB-U17-P0 |
| IBL00-M23-P8 | CBB16-N2-P0 | UBB-U16-P0 |
| IBL00-M23-P9 | CBB16-N3-P0 | UBB-U15-P0 |
| IBL00-M23-P10 | CBB16-N4-P0 | UBB-U14-P0 |
| IBL00-M23-P11 | CBB16-N5-P0 | UBB-U13-P0 |
| IBL00-M23-P12 | CBB16-N6-P0 | UBB-U12-P0 |
| IBL00-M24-P1 | CBB16-N7-P0 | UBB-U11-P0 |
| IBL00-M24-P2 | CBB16-N8-P0 | UBB-U10-P0 |
| IBL00-M24-P3 | CBB16-N9-P0 | UBB-U9-P0 |
| IBL00-M24-P4 | CBB16-N10-P0 | UBB-U8-P0 |
| IBL00-M24-P5 | CBB16-N11-P0 | UBB-U7-P0 |
| IBL00-M24-P6 | CBB16-N12-P0 | UBB-U6-P0 |
| IBL00-M24-P7 | CBB16-N13-P0 | UBB-U5-P0 |
| IBL00-M24-P8 | CBB16-N14-P0 | UBB-U4-P0 |
| IBL00-M24-P9 | CBB16-N15-P0 | UBB-U3-P0 |
| IBL00-M24-P10 | CBB16-N16-P0 | UBB-U2-P0 |
| IBL00-M24-P11 | CBB16-N17-P0 | UBB-U1-P0 |
| IBL00-M24-P12 | UBB-C1-P0 | |

# 2-6 289 - 384 Nodes Back-to-Back 2:1 Using 7024D Interconnect

| Origin | Destination |
|---|---|
| IBL00-M1-P1 | CBB1-N1-P0 |
| IBL00-M1-P2 | CBB1-N2-P0 |
| IBL00-M1-P3 | CBB1-N3-P0 |
| IBL00-M1-P4 | CBB1-N4-P0 |
| IBL00-M1-P5 | CBB1-N5-P0 |
| IBL00-M1-P6 | CBB1-N6-P0 |
| IBL00-M1-P7 | CBB1-N7-P0 |
| IBL00-M1-P8 | CBB1-N8-P0 |
| IBL00-M1-P9 | CBB1-N9-P0 |
| IBL00-M1-P10 | CBB1-N10-P0 |
| IBL00-M1-P11 | CBB1-N11-P0 |
| IBL00-M1-P12 | CBB1-N12-P0 |
| IBL00-M2-P1 | CBB1-N13-P0 |
| IBL00-M2-P2 | CBB1-N14-P0 |
| IBL00-M2-P3 | CBB1-N15-P0 |
| IBL00-M2-P4 | CBB1-N16-P0 |
| IBL00-M2-P5 | CBB1-N17-P0 |
| IBL00-M2-P6 | CBB1-N18-P0 |
| IBL00-M2-P7 | CBB2-N1-P0 |
| IBL00-M2-P8 | CBB2-N2-P0 |
| IBL00-M2-P9 | CBB2-N3-P0 |
| IBL00-M2-P10 | CBB2-N4-P0 |
| IBL00-M2-P11 | CBB2-N5-P0 |
| IBL00-M2-P12 | CBB2-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M3-P1 | CBB2-N7-P0 |
| IBL00-M3-P2 | CBB2-N8-P0 |
| IBL00-M3-P3 | CBB2-N9-P0 |
| IBL00-M3-P4 | CBB2-N10-P0 |
| IBL00-M3-P5 | CBB2-N11-P0 |
| IBL00-M3-P6 | CBB2-N12-P0 |
| IBL00-M3-P7 | CBB2-N13-P0 |
| IBL00-M3-P8 | CBB2-N14-P0 |
| IBL00-M3-P9 | CBB2-N15-P0 |
| IBL00-M3-P10 | CBB2-N16-P0 |
| IBL00-M3-P11 | CBB2-N17-P0 |
| IBL00-M3-P12 | CBB2-N18-P0 |
| IBL00-M4-P1 | CBB3-N1-P0 |
| IBL00-M4-P2 | CBB3-N2-P0 |
| IBL00-M4-P3 | CBB3-N3-P0 |
| IBL00-M4-P4 | CBB3-N4-P0 |
| IBL00-M4-P5 | CBB3-N5-P0 |
| IBL00-M4-P6 | CBB3-N6-P0 |
| IBL00-M4-P7 | CBB3-N7-P0 |
| IBL00-M4-P8 | CBB3-N8-P0 |
| IBL00-M4-P9 | CBB3-N9-P0 |
| IBL00-M4-P10 | CBB3-N10-P0 |
| IBL00-M4-P11 | CBB3-N11-P0 |
| IBL00-M4-P12 | CBB3-N12-P0 |

| Origin | Destination |
|---|---|
| IBL00-M5-P1 | CBB3-N13-P0 |
| IBL00-M5-P2 | CBB3-N14-P0 |
| IBL00-M5-P3 | CBB3-N15-P0 |
| IBL00-M5-P4 | CBB3-N16-P0 |
| IBL00-M5-P5 | CBB3-N17-P0 |
| IBL00-M5-P6 | CBB3-N18-P0 |
| IBL00-M5-P7 | CBB4-N1-P0 |
| IBL00-M5-P8 | CBB4-N2-P0 |
| IBL00-M5-P9 | CBB4-N3-P0 |
| IBL00-M5-P10 | CBB4-N4-P0 |
| IBL00-M5-P11 | CBB4-N5-P0 |
| IBL00-M5-P12 | CBB4-N6-P0 |
| IBL00-M6-P1 | CBB4-N7-P0 |
| IBL00-M6-P2 | CBB4-N8-P0 |
| IBL00-M6-P3 | CBB4-N9-P0 |
| IBL00-M6-P4 | CBB4-N10-P0 |
| IBL00-M6-P5 | CBB4-N11-P0 |
| IBL00-M6-P6 | CBB4-N12-P0 |
| IBL00-M6-P7 | CBB4-N13-P0 |
| IBL00-M6-P8 | CBB4-N14-P0 |
| IBL00-M6-P9 | CBB4-N15-P0 |
| IBL00-M6-P10 | CBB4-N16-P0 |
| IBL00-M6-P11 | CBB4-N17-P0 |
| IBL00-M6-P12 | CBB4-N18-P0 |

| Origin | Destination |
|---|---|
| IBL00-M7-P1 | CBB5-N1-P0 |
| IBL00-M7-P2 | CBB5-N2-P0 |
| IBL00-M7-P3 | CBB5-N3-P0 |
| IBL00-M7-P4 | CBB5-N4-P0 |
| IBL00-M7-P5 | CBB5-N5-P0 |
| IBL00-M7-P6 | CBB5-N6-P0 |
| IBL00-M7-P7 | CBB5-N7-P0 |
| IBL00-M7-P8 | CBB5-N8-P0 |
| IBL00-M7-P9 | CBB5-N9-P0 |
| IBL00-M7-P10 | CBB5-N10-P0 |
| IBL00-M7-P11 | CBB5-N11-P0 |
| IBL00-M7-P12 | CBB5-N12-P0 |
| IBL00-M8-P1 | CBB5-N13-P0 |
| IBL00-M8-P2 | CBB5-N14-P0 |
| IBL00-M8-P3 | CBB5-N15-P0 |
| IBL00-M8-P4 | CBB5-N16-P0 |
| IBL00-M8-P5 | CBB5-N17-P0 |
| IBL00-M8-P6 | CBB5-N18-P0 |
| IBL00-M8-P7 | CBB6-N1-P0 |
| IBL00-M8-P8 | CBB6-N2-P0 |
| IBL00-M8-P9 | CBB6-N3-P0 |
| IBL00-M8-P10 | CBB6-N4-P0 |
| IBL00-M8-P11 | CBB6-N5-P0 |
| IBL00-M8-P12 | CBB6-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M9-P1 | CBB6-N7-P0 |
| IBL00-M9-P2 | CBB6-N8-P0 |
| IBL00-M9-P3 | CBB6-N9-P0 |
| IBL00-M9-P4 | CBB6-N10-P0 |
| IBL00-M9-P5 | CBB6-N11-P0 |
| IBL00-M9-P6 | CBB6-N12-P0 |
| IBL00-M9-P7 | CBB6-N13-P0 |
| IBL00-M9-P8 | CBB6-N14-P0 |
| IBL00-M9-P9 | CBB6-N15-P0 |
| IBL00-M9-P10 | CBB6-N16-P0 |
| IBL00-M9-P11 | CBB6-N17-P0 |
| IBL00-M9-P12 | CBB6-N18-P0 |
| IBL00-M10-P1 | CBB7-N1-P0 |
| IBL00-M10-P2 | CBB7-N2-P0 |
| IBL00-M10-P3 | CBB7-N3-P0 |
| IBL00-M10-P4 | CBB7-N4-P0 |
| IBL00-M10-P5 | CBB7-N5-P0 |
| IBL00-M10-P6 | CBB7-N6-P0 |
| IBL00-M10-P7 | CBB7-N7-P0 |
| IBL00-M10-P8 | CBB7-N8-P0 |
| IBL00-M10-P9 | CBB7-N9-P0 |
| IBL00-M10-P10 | CBB7-N10-P0 |
| IBL00-M10-P11 | CBB7-N11-P0 |
| IBL00-M10-P12 | CBB7-N12-P0 |

| Origin | Destination |
|---|---|
| IBL00-M11-P1 | CBB7-N13-P0 |
| IBL00-M11-P2 | CBB7-N14-P0 |
| IBL00-M11-P3 | CBB7-N15-P0 |
| IBL00-M11-P4 | CBB7-N16-P0 |
| IBL00-M11-P5 | CBB7-N17-P0 |
| IBL00-M11-P6 | CBB7-N18-P0 |
| IBL00-M11-P7 | CBB8-N1-P0 |
| IBL00-M11-P8 | CBB8-N2-P0 |
| IBL00-M11-P9 | CBB8-N3-P0 |
| IBL00-M11-P10 | CBB8-N4-P0 |
| IBL00-M11-P11 | CBB8-N5-P0 |
| IBL00-M11-P12 | CBB8-N6-P0 |
| IBL00-M12-P1 | CBB8-N7-P0 |
| IBL00-M12-P2 | CBB8-N8-P0 |
| IBL00-M12-P3 | CBB8-N9-P0 |
| IBL00-M12-P4 | CBB8-N10-P0 |
| IBL00-M12-P5 | CBB8-N11-P0 |
| IBL00-M12-P6 | CBB8-N12-P0 |
| IBL00-M12-P7 | CBB8-N13-P0 |
| IBL00-M12-P8 | CBB8-N14-P0 |
| IBL00-M12-P9 | CBB8-N15-P0 |
| IBL00-M12-P10 | CBB8-N16-P0 |
| IBL00-M12-P11 | CBB8-N17-P0 |
| IBL00-M12-P12 | CBB8-N18-P0 |

| Origin | Destination |
|---|---|
| IBL00-M13-P1 | CBB9-N1-P0 |
| IBL00-M13-P2 | CBB9-N2-P0 |
| IBL00-M13-P3 | CBB9-N3-P0 |
| IBL00-M13-P4 | CBB9-N4-P0 |
| IBL00-M13-P5 | CBB9-N5-P0 |
| IBL00-M13-P6 | CBB9-N6-P0 |
| IBL00-M13-P7 | CBB9-N7-P0 |
| IBL00-M13-P8 | CBB9-N8-P0 |
| IBL00-M13-P9 | CBB9-N9-P0 |
| IBL00-M13-P10 | CBB9-N10-P0 |
| IBL00-M13-P11 | CBB9-N11-P0 |
| IBL00-M13-P12 | CBB9-N12-P0 |
| IBL00-M14-P1 | CBB9-N13-P0 |
| IBL00-M14-P2 | CBB9-N14-P0 |
| IBL00-M14-P3 | CBB9-N15-P0 |
| IBL00-M14-P4 | CBB9-N16-P0 |
| IBL00-M14-P5 | CBB9-N17-P0 |
| IBL00-M14-P6 | CBB9-N18-P0 |
| IBL00-M14-P7 | CBB10-N1-P0 |
| IBL00-M14-P8 | CBB10-N2-P0 |
| IBL00-M14-P9 | CBB10-N3-P0 |
| IBL00-M14-P10 | CBB10-N4-P0 |
| IBL00-M14-P11 | CBB10-N5-P0 |
| IBL00-M14-P12 | CBB10-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M15-P1 | CBB10-N7-P0 |
| IBL00-M15-P2 | CBB10-N8-P0 |
| IBL00-M15-P3 | CBB10-N9-P0 |
| IBL00-M15-P4 | CBB10-N10-P0 |
| IBL00-M15-P5 | CBB10-N11-P0 |
| IBL00-M15-P6 | CBB10-N12-P0 |
| IBL00-M15-P7 | CBB10-N13-P0 |
| IBL00-M15-P8 | CBB10-N14-P0 |
| IBL00-M15-P9 | CBB10-N15-P0 |
| IBL00-M15-P10 | CBB10-N16-P0 |
| IBL00-M15-P11 | CBB10-N17-P0 |
| IBL00-M15-P12 | CBB10-N18-P0 |
| IBL00-M16-P1 | CBB11-N1-P0 |
| IBL00-M16-P2 | CBB11-N2-P0 |
| IBL00-M16-P3 | CBB11-N3-P0 |
| IBL00-M16-P4 | CBB11-N4-P0 |
| IBL00-M16-P5 | CBB11-N5-P0 |
| IBL00-M16-P6 | CBB11-N6-P0 |
| IBL00-M16-P7 | CBB11-N7-P0 |
| IBL00-M16-P8 | CBB11-N8-P0 |
| IBL00-M16-P9 | CBB11-N9-P0 |
| IBL00-M16-P10 | CBB11-N10-P0 |
| IBL00-M16-P11 | CBB11-N11-P0 |
| IBL00-M16-P12 | CBB11-N12-P0 |

| Origin | Destination |
|---|---|
| IBL00-M17-P1 | IBL01-M17-P1 |
| IBL00-M17-P2 | IBL01-M17-P2 |
| IBL00-M17-P3 | IBL01-M17-P3 |
| IBL00-M17-P4 | IBL01-M17-P4 |
| IBL00-M17-P5 | IBL01-M17-P5 |
| IBL00-M17-P6 | IBL01-M17-P6 |
| IBL00-M17-P7 | IBL01-M17-P7 |
| IBL00-M17-P8 | IBL01-M17-P8 |
| IBL00-M17-P9 | IBL01-M17-P9 |
| IBL00-M17-P10 | IBL01-M17-P10 |
| IBL00-M17-P11 | IBL01-M17-P11 |
| IBL00-M17-P12 | IBL01-M17-P12 |
| IBL00-M18-P1 | IBL01-M18-P1 |
| IBL00-M18-P2 | IBL01-M18-P2 |
| IBL00-M18-P3 | IBL01-M18-P3 |
| IBL00-M18-P4 | IBL01-M18-P4 |
| IBL00-M18-P5 | IBL01-M18-P5 |
| IBL00-M18-P6 | IBL01-M18-P6 |
| IBL00-M18-P7 | IBL01-M18-P7 |
| IBL00-M18-P8 | IBL01-M18-P8 |
| IBL00-M18-P9 | IBL01-M18-P9 |
| IBL00-M18-P10 | IBL01-M18-P10 |
| IBL00-M18-P11 | IBL01-M18-P11 |
| IBL00-M18-P12 | IBL01-M18-P12 |

| Origin | Destination |
|---|---|
| IBL00-M19-P1 | IBL01-M19-P1 |
| IBL00-M19-P2 | IBL01-M19-P2 |
| IBL00-M19-P3 | IBL01-M19-P3 |
| IBL00-M19-P4 | IBL01-M19-P4 |
| IBL00-M19-P5 | IBL01-M19-P5 |
| IBL00-M19-P6 | IBL01-M19-P6 |
| IBL00-M19-P7 | IBL01-M19-P7 |
| IBL00-M19-P8 | IBL01-M19-P8 |
| IBL00-M19-P9 | IBL01-M19-P9 |
| IBL00-M19-P10 | IBL01-M19-P10 |
| IBL00-M19-P11 | IBL01-M19-P11 |
| IBL00-M19-P12 | IBL01-M19-P12 |
| IBL00-M20-P1 | IBL01-M20-P1 |
| IBL00-M20-P2 | IBL01-M20-P2 |
| IBL00-M20-P3 | IBL01-M20-P3 |
| IBL00-M20-P4 | IBL01-M20-P4 |
| IBL00-M20-P5 | IBL01-M20-P5 |
| IBL00-M20-P6 | IBL01-M20-P6 |
| IBL00-M20-P7 | IBL01-M20-P7 |
| IBL00-M20-P8 | IBL01-M20-P8 |
| IBL00-M20-P9 | IBL01-M20-P9 |
| IBL00-M20-P10 | IBL01-M20-P10 |
| IBL00-M20-P11 | IBL01-M20-P11 |
| IBL00-M20-P12 | IBL01-M20-P12 |

| Origin | Destination |
|---|---|
| IBL00-M21-P1 | IBL01-M21-P1 |
| IBL00-M21-P2 | IBL01-M21-P2 |
| IBL00-M21-P3 | IBL01-M21-P3 |
| IBL00-M21-P4 | IBL01-M21-P4 |
| IBL00-M21-P5 | IBL01-M21-P5 |
| IBL00-M21-P6 | IBL01-M21-P6 |
| IBL00-M21-P7 | IBL01-M21-P7 |
| IBL00-M21-P8 | IBL01-M21-P8 |
| IBL00-M21-P9 | IBL01-M21-P9 |
| IBL00-M21-P10 | IBL01-M21-P10 |
| IBL00-M21-P11 | IBL01-M21-P11 |
| IBL00-M21-P12 | IBL01-M21-P12 |
| IBL00-M22-P1 | IBL01-M22-P1 |
| IBL00-M22-P2 | IBL01-M22-P2 |
| IBL00-M22-P3 | IBL01-M22-P3 |
| IBL00-M22-P4 | IBL01-M22-P4 |
| IBL00-M22-P5 | IBL01-M22-P5 |
| IBL00-M22-P6 | IBL01-M22-P6 |
| IBL00-M22-P7 | IBL01-M22-P7 |
| IBL00-M22-P8 | IBL01-M22-P8 |
| IBL00-M22-P9 | IBL01-M22-P9 |
| IBL00-M22-P10 | IBL01-M22-P10 |
| IBL00-M22-P11 | IBL01-M22-P11 |
| IBL00-M22-P12 | IBL01-M22-P12 |

| Origin | Destination |
|---|---|
| IBL00-M23-P1 | IBL01-M23-P1 |
| IBL00-M23-P2 | IBL01-M23-P2 |
| IBL00-M23-P3 | IBL01-M23-P3 |
| IBL00-M23-P4 | IBL01-M23-P4 |
| IBL00-M23-P5 | IBL01-M23-P5 |
| IBL00-M23-P6 | IBL01-M23-P6 |
| IBL00-M23-P7 | IBL01-M23-P7 |
| IBL00-M23-P8 | IBL01-M23-P8 |
| IBL00-M23-P9 | IBL01-M23-P9 |
| IBL00-M23-P10 | IBL01-M23-P10 |
| IBL00-M23-P11 | IBL01-M23-P11 |
| IBL00-M23-P12 | IBL01-M23-P12 |
| IBL00-M24-P1 | IBL01-M24-P1 |
| IBL00-M24-P2 | IBL01-M24-P2 |
| IBL00-M24-P3 | IBL01-M24-P3 |
| IBL00-M24-P4 | IBL01-M24-P4 |
| IBL00-M24-P5 | IBL01-M24-P5 |
| IBL00-M24-P6 | IBL01-M24-P6 |
| IBL00-M24-P7 | IBL01-M24-P7 |
| IBL00-M24-P8 | IBL01-M24-P8 |
| IBL00-M24-P9 | IBL01-M24-P9 |
| IBL00-M24-P10 | IBL01-M24-P10 |
| IBL00-M24-P11 | IBL01-M24-P11 |
| IBL00-M24-P12 | IBL01-M24-P12 |

| Origin | Destination |
|---|---|
| IBL01-M1-P1 | CBB11-N13-P0 |
| IBL01-M1-P2 | CBB11-N14-P0 |
| IBL01-M1-P3 | CBB11-N15-P0 |
| IBL01-M1-P4 | CBB11-N16-P0 |
| IBL01-M1-P5 | CBB11-N17-P0 |
| IBL01-M1-P6 | CBB11-N18-P0 |
| IBL01-M1-P7 | CBB12-N1-P0 |
| IBL01-M1-P8 | CBB12-N2-P0 |
| IBL01-M1-P9 | CBB12-N3-P0 |
| IBL01-M1-P10 | CBB12-N4-P0 |
| IBL01-M1-P11 | CBB12-N5-P0 |
| IBL01-M1-P12 | CBB12-N6-P0 |
| IBL01-M2-P1 | CBB12-N7-P0 |
| IBL01-M2-P2 | CBB12-N8-P0 |
| IBL01-M2-P3 | CBB12-N9-P0 |
| IBL01-M2-P4 | CBB12-N10-P0 |
| IBL01-M2-P5 | CBB12-N11-P0 |
| IBL01-M2-P6 | CBB12-N12-P0 |
| IBL01-M2-P7 | CBB12-N13-P0 |
| IBL01-M2-P8 | CBB12-N14-P0 |
| IBL01-M2-P9 | CBB12-N15-P0 |
| IBL01-M2-P10 | CBB12-N16-P0 |
| IBL01-M2-P11 | CBB12-N17-P0 |
| IBL01-M2-P12 | CBB12-N18-P0 |

| Origin | Destination |
|---|---|
| IBL01-M3-P1 | CBB13-N1-P0 |
| IBL01-M3-P2 | CBB13-N2-P0 |
| IBL01-M3-P3 | CBB13-N3-P0 |
| IBL01-M3-P4 | CBB13-N4-P0 |
| IBL01-M3-P5 | CBB13-N5-P0 |
| IBL01-M3-P6 | CBB13-N6-P0 |
| IBL01-M3-P7 | CBB13-N7-P0 |
| IBL01-M3-P8 | CBB13-N8-P0 |
| IBL01-M3-P9 | CBB13-N9-P0 |
| IBL01-M3-P10 | CBB13-N10-P0 |
| IBL01-M3-P11 | CBB13-N11-P0 |
| IBL01-M3-P12 | CBB13-N12-P0 |
| IBL01-M4-P1 | CBB13-N13-P0 |
| IBL01-M4-P2 | CBB13-N14-P0 |
| IBL01-M4-P3 | CBB13-N15-P0 |
| IBL01-M4-P4 | CBB13-N16-P0 |
| IBL01-M4-P5 | CBB13-N17-P0 |
| IBL01-M4-P6 | CBB13-N18-P0 |
| IBL01-M4-P7 | CBB14-N1-P0 |
| IBL01-M4-P8 | CBB14-N2-P0 |
| IBL01-M4-P9 | CBB14-N3-P0 |
| IBL01-M4-P10 | CBB14-N4-P0 |
| IBL01-M4-P11 | CBB14-N5-P0 |
| IBL01-M4-P12 | CBB14-N6-P0 |

| Origin | Destination |
|---|---|
| IBL01-M5-P1 | CBB14-N7-P0 |
| IBL01-M5-P2 | CBB14-N8-P0 |
| IBL01-M5-P3 | CBB14-N9-P0 |
| IBL01-M5-P4 | CBB14-N10-P0 |
| IBL01-M5-P5 | CBB14-N11-P0 |
| IBL01-M5-P6 | CBB14-N12-P0 |
| IBL01-M5-P7 | CBB14-N13-P0 |
| IBL01-M5-P8 | CBB14-N14-P0 |
| IBL01-M5-P9 | CBB14-N15-P0 |
| IBL01-M5-P10 | CBB14-N16-P0 |
| IBL01-M5-P11 | CBB14-N17-P0 |
| IBL01-M5-P12 | CBB14-N18-P0 |
| IBL01-M6-P1 | CBB15-N1-P0 |
| IBL01-M6-P2 | CBB15-N2-P0 |
| IBL01-M6-P3 | CBB15-N3-P0 |
| IBL01-M6-P4 | CBB15-N4-P0 |
| IBL01-M6-P5 | CBB15-N5-P0 |
| IBL01-M6-P6 | CBB15-N6-P0 |
| IBL01-M6-P7 | CBB15-N7-P0 |
| IBL01-M6-P8 | CBB15-N8-P0 |
| IBL01-M6-P9 | CBB15-N9-P0 |
| IBL01-M6-P10 | CBB15-N10-P0 |
| IBL01-M6-P11 | CBB15-N11-P0 |
| IBL01-M6-P12 | CBB15-N12-P0 |

| Origin | Destination |
|---|---|
| IBL01-M7-P1 | CBB15-N13-P0 |
| IBL01-M7-P2 | CBB15-N14-P0 |
| IBL01-M7-P3 | CBB15-N15-P0 |
| IBL01-M7-P4 | CBB15-N16-P0 |
| IBL01-M7-P5 | CBB15-N17-P0 |
| IBL01-M7-P6 | CBB15-N18-P0 |
| IBL01-M7-P7 | CBB16-N1-P0 |
| IBL01-M7-P8 | CBB16-N2-P0 |
| IBL01-M7-P9 | CBB16-N3-P0 |
| IBL01-M7-P10 | CBB16-N4-P0 |
| IBL01-M7-P11 | CBB16-N5-P0 |
| IBL01-M7-P12 | CBB16-N6-P0 |
| IBL01-M8-P1 | CBB16-N7-P0 |
| IBL01-M8-P2 | CBB16-N8-P0 |
| IBL01-M8-P3 | CBB16-N9-P0 |
| IBL01-M8-P4 | CBB16-N10-P0 |
| IBL01-M8-P5 | CBB16-N11-P0 |
| IBL01-M8-P6 | CBB16-N12-P0 |
| IBL01-M8-P7 | CBB16-N13-P0 |
| IBL01-M8-P8 | CBB16-N14-P0 |
| IBL01-M8-P9 | CBB16-N15-P0 |
| IBL01-M8-P10 | CBB16-N16-P0 |
| IBL01-M8-P11 | CBB16-N17-P0 |
| IBL01-M8-P12 | CBB16-N18-P0 |

| Origin | Destination |
|---|---|
| IBL01-M9-P1 | CBB17-N1-P0 |
| IBL01-M9-P2 | CBB17-N2-P0 |
| IBL01-M9-P3 | CBB17-N3-P0 |
| IBL01-M9-P4 | CBB17-N4-P0 |
| IBL01-M9-P5 | CBB17-N5-P0 |
| IBL01-M9-P6 | CBB17-N6-P0 |
| IBL01-M9-P7 | CBB17-N7-P0 |
| IBL01-M9-P8 | CBB17-N8-P0 |
| IBL01-M9-P9 | CBB17-N9-P0 |
| IBL01-M9-P10 | CBB17-N10-P0 |
| IBL01-M9-P11 | CBB17-N11-P0 |
| IBL01-M9-P12 | CBB17-N12-P0 |
| IBL01-M10-P1 | CBB17-N13-P0 |
| IBL01-M10-P2 | CBB17-N14-P0 |
| IBL01-M10-P3 | CBB17-N15-P0 |
| IBL01-M10-P4 | CBB17-N16-P0 |
| IBL01-M10-P5 | CBB17-N17-P0 |
| IBL01-M10-P6 | CBB17-N18-P0 |
| IBL01-M10-P7 | CBB18-N1-P0 |
| IBL01-M10-P8 | CBB18-N2-P0 |
| IBL01-M10-P9 | CBB18-N3-P0 |
| IBL01-M10-P10 | CBB18-N4-P0 |
| IBL01-M10-P11 | CBB18-N5-P0 |
| IBL01-M10-P12 | CBB18-N6-P0 |

| Origin | Destination |
|---|---|
| IBL01-M11-P1 | CBB18-N7-P0 |
| IBL01-M11-P2 | CBB18-N8-P0 |
| IBL01-M11-P3 | CBB18-N9-P0 |
| IBL01-M11-P4 | CBB18-N10-P0 |
| IBL01-M11-P5 | CBB18-N11-P0 |
| IBL01-M11-P6 | CBB18-N12-P0 |
| IBL01-M11-P7 | CBB18-N13-P0 |
| IBL01-M11-P8 | CBB18-N14-P0 |
| IBL01-M11-P9 | CBB18-N15-P0 |
| IBL01-M11-P10 | CBB18-N16-P0 |
| IBL01-M11-P11 | CBB18-N17-P0 |
| IBL01-M11-P12 | CBB18-N18-P0 |
| IBL01-M12-P1 | CBB19-N1-P0 |
| IBL01-M12-P2 | CBB19-N2-P0 |
| IBL01-M12-P3 | CBB19-N3-P0 |
| IBL01-M12-P4 | CBB19-N4-P0 |
| IBL01-M12-P5 | CBB19-N5-P0 |
| IBL01-M12-P6 | CBB19-N6-P0 |
| IBL01-M12-P7 | CBB19-N7-P0 |
| IBL01-M12-P8 | CBB19-N8-P0 |
| IBL01-M12-P9 | CBB19-N9-P0 |
| IBL01-M12-P10 | CBB19-N10-P0 |
| IBL01-M12-P11 | CBB19-N11-P0 |
| IBL01-M12-P12 | CBB19-N12-P0 |

| Origin | Destination |
|---|---|
| IBL01-M13-P1 | CBB19-N13-P0 |
| IBL01-M13-P2 | CBB19-N14-P0 |
| IBL01-M13-P3 | CBB19-N15-P0 |
| IBL01-M13-P4 | CBB19-N16-P0 |
| IBL01-M13-P5 | CBB19-N17-P0 |
| IBL01-M13-P6 | CBB19-N18-P0 |
| IBL01-M13-P7 | CBB20-N1-P0 |
| IBL01-M13-P8 | CBB20-N2-P0 |
| IBL01-M13-P9 | CBB20-N3-P0 |
| IBL01-M13-P10 | CBB20-N4-P0 |
| IBL01-M13-P11 | CBB20-N5-P0 |
| IBL01-M13-P12 | CBB20-N6-P0 |
| IBL01-M14-P1 | CBB20-N7-P0 |
| IBL01-M14-P2 | CBB20-N8-P0 |
| IBL01-M14-P3 | CBB20-N9-P0 |
| IBL01-M14-P4 | CBB20-N10-P0 |
| IBL01-M14-P5 | CBB20-N11-P0 |
| IBL01-M14-P6 | CBB20-N12-P0 |
| IBL01-M14-P7 | CBB20-N13-P0 |
| IBL01-M14-P8 | CBB20-N14-P0 |
| IBL01-M14-P9 | CBB20-N15-P0 |
| IBL01-M14-P10 | CBB20-N16-P0 |
| IBL01-M14-P11 | CBB20-N17-P0 |
| IBL01-M14-P12 | CBB20-N18-P0 |

| Origin | Destination | Destination Priority 1 |
|---|---|---|
| IBL01-M15-P1 | CBB21-N1-P0 | UBB-U23-P0 |
| IBL01-M15-P2 | CBB21-N2-P0 | UBB-U22-P0 |
| IBL01-M15-P3 | CBB21-N3-P0 | UBB-U21-P0 |
| IBL01-M15-P4 | CBB21-N4-P0 | UBB-U20-P0 |
| IBL01-M15-P5 | CBB21-N5-P0 | UBB-U19-P0 |
| IBL01-M15-P6 | CBB21-N6-P0 | UBB-U18-P0 |
| IBL01-M15-P7 | CBB21-N7-P0 | UBB-U17-P0 |
| IBL01-M15-P8 | CBB21-N8-P0 | UBB-U16-P0 |
| IBL01-M15-P9 | CBB21-N9-P0 | UBB-U15-P0 |
| IBL01-M15-P10 | CBB21-N10-P0 | UBB-U14-P0 |
| IBL01-M15-P11 | CBB21-N11-P0 | UBB-U13-P0 |
| IBL01-M15-P12 | CBB21-N12-P0 | UBB-U12-P0 |
| IBL01-M16-P1 | CBB21-N13-P0 | UBB-U11-P0 |
| IBL01-M16-P2 | CBB21-N14-P0 | UBB-U10-P0 |
| IBL01-M16-P3 | CBB21-N15-P0 | UBB-U9-P0 |
| IBL01-M16-P4 | CBB21-N16-P0 | UBB-U8-P0 |
| IBL01-M16-P5 | CBB21-N17-P0 | UBB-U7-P0 |
| IBL01-M16-P6 | CBB21-N18-P0 | UBB-U6-P0 |
| IBL01-M16-P7 | UBB-U5-P0 | |
| IBL01-M16-P8 | UBB-U4-P0 | |
| IBL01-M16-P9 | UBB-U3-P0 | |
| IBL01-M16-P10 | UBB-U2-P0 | |
| IBL01-M16-P11 | UBB-U1-P0 | |
| IBL01-M16-P12 | UBB-C1-P0 | |

| Origin | Destination |
|---|---|
| IBL01-M17-P1 | IBL00-M17-P1 |
| IBL01-M17-P2 | IBL00-M17-P2 |
| IBL01-M17-P3 | IBL00-M17-P3 |
| IBL01-M17-P4 | IBL00-M17-P4 |
| IBL01-M17-P5 | IBL00-M17-P5 |
| IBL01-M17-P6 | IBL00-M17-P6 |
| IBL01-M17-P7 | IBL00-M17-P7 |
| IBL01-M17-P8 | IBL00-M17-P8 |
| IBL01-M17-P9 | IBL00-M17-P9 |
| IBL01-M17-P10 | IBL00-M17-P10 |
| IBL01-M17-P11 | IBL00-M17-P11 |
| IBL01-M17-P12 | IBL00-M17-P12 |
| IBL01-M18-P1 | IBL00-M18-P1 |
| IBL01-M18-P2 | IBL00-M18-P2 |
| IBL01-M18-P3 | IBL00-M18-P3 |
| IBL01-M18-P4 | IBL00-M18-P4 |
| IBL01-M18-P5 | IBL00-M18-P5 |
| IBL01-M18-P6 | IBL00-M18-P6 |
| IBL01-M18-P7 | IBL00-M18-P7 |
| IBL01-M18-P8 | IBL00-M18-P8 |
| IBL01-M18-P9 | IBL00-M18-P9 |
| IBL01-M18-P10 | IBL00-M18-P10 |
| IBL01-M18-P11 | IBL00-M18-P11 |
| IBL01-M18-P12 | IBL00-M18-P12 |

| Origin | Destination |
|---|---|
| IBL01-M19-P1 | IBL00-M19-P1 |
| IBL01-M19-P2 | IBL00-M19-P2 |
| IBL01-M19-P3 | IBL00-M19-P3 |
| IBL01-M19-P4 | IBL00-M19-P4 |
| IBL01-M19-P5 | IBL00-M19-P5 |
| IBL01-M19-P6 | IBL00-M19-P6 |
| IBL01-M19-P7 | IBL00-M19-P7 |
| IBL01-M19-P8 | IBL00-M19-P8 |
| IBL01-M19-P9 | IBL00-M19-P9 |
| IBL01-M19-P10 | IBL00-M19-P10 |
| IBL01-M19-P11 | IBL00-M19-P11 |
| IBL01-M19-P12 | IBL00-M19-P12 |
| IBL01-M20-P1 | IBL00-M20-P1 |
| IBL01-M20-P2 | IBL00-M20-P2 |
| IBL01-M20-P3 | IBL00-M20-P3 |
| IBL01-M20-P4 | IBL00-M20-P4 |
| IBL01-M20-P5 | IBL00-M20-P5 |
| IBL01-M20-P6 | IBL00-M20-P6 |
| IBL01-M20-P7 | IBL00-M20-P7 |
| IBL01-M20-P8 | IBL00-M20-P8 |
| IBL01-M20-P9 | IBL00-M20-P9 |
| IBL01-M20-P10 | IBL00-M20-P10 |
| IBL01-M20-P11 | IBL00-M20-P11 |
| IBL01-M20-P12 | IBL00-M20-P12 |

| Origin | Destination |
|---|---|
| IBL01-M21-P1 | IBL00-M21-P1 |
| IBL01-M21-P2 | IBL00-M21-P2 |
| IBL01-M21-P3 | IBL00-M21-P3 |
| IBL01-M21-P4 | IBL00-M21-P4 |
| IBL01-M21-P5 | IBL00-M21-P5 |
| IBL01-M21-P6 | IBL00-M21-P6 |
| IBL01-M21-P7 | IBL00-M21-P7 |
| IBL01-M21-P8 | IBL00-M21-P8 |
| IBL01-M21-P9 | IBL00-M21-P9 |
| IBL01-M21-P10 | IBL00-M21-P10 |
| IBL01-M21-P11 | IBL00-M21-P11 |
| IBL01-M21-P12 | IBL00-M21-P12 |
| IBL01-M22-P1 | IBL00-M22-P1 |
| IBL01-M22-P2 | IBL00-M22-P2 |
| IBL01-M22-P3 | IBL00-M22-P3 |
| IBL01-M22-P4 | IBL00-M22-P4 |
| IBL01-M22-P5 | IBL00-M22-P5 |
| IBL01-M22-P6 | IBL00-M22-P6 |
| IBL01-M22-P7 | IBL00-M22-P7 |
| IBL01-M22-P8 | IBL00-M22-P8 |
| IBL01-M22-P9 | IBL00-M22-P9 |
| IBL01-M22-P10 | IBL00-M22-P10 |
| IBL01-M22-P11 | IBL00-M22-P11 |
| IBL01-M22-P12 | IBL00-M22-P12 |

| Origin | Destination |
|---|---|
| IBL01-M23-P1 | IBL00-M23-P1 |
| IBL01-M23-P2 | IBL00-M23-P2 |
| IBL01-M23-P3 | IBL00-M23-P3 |
| IBL01-M23-P4 | IBL00-M23-P4 |
| IBL01-M23-P5 | IBL00-M23-P5 |
| IBL01-M23-P6 | IBL00-M23-P6 |
| IBL01-M23-P7 | IBL00-M23-P7 |
| IBL01-M23-P8 | IBL00-M23-P8 |
| IBL01-M23-P9 | IBL00-M23-P9 |
| IBL01-M23-P10 | IBL00-M23-P10 |
| IBL01-M23-P11 | IBL00-M23-P11 |
| IBL01-M23-P12 | IBL00-M23-P12 |
| IBL01-M24-P1 | IBL00-M24-P1 |
| IBL01-M24-P2 | IBL00-M24-P2 |
| IBL01-M24-P3 | IBL00-M24-P3 |
| IBL01-M24-P4 | IBL00-M24-P4 |
| IBL01-M24-P5 | IBL00-M24-P5 |
| IBL01-M24-P6 | IBL00-M24-P6 |
| IBL01-M24-P7 | IBL00-M24-P7 |
| IBL01-M24-P8 | IBL00-M24-P8 |
| IBL01-M24-P9 | IBL00-M24-P9 |
| IBL01-M24-P10 | IBL00-M24-P10 |
| IBL01-M24-P11 | IBL00-M24-P11 |
| IBL01-M24-P12 | IBL00-M24-P12 |

# 3 Cisco SFS 70xxD Series Cabling Tables for 4U Servers, 2:1 Bandwidth, 9 Nodes Per Rack

## 3-1 24 Nodes Full Bandwidth

| Origin | Destination | Secondary Destination |
|---|---|---|
| IBL00-P01 | CBB1-N1-P0 | |
| IBL00-P02 | CBB1-N2-P0 | |
| IBL00-P03 | CBB1-N3-P0 | |
| IBL00-P04 | CBB1-N4-P0 | |
| IBL00-P05 | CBB1-N5-P0 | |
| IBL00-P06 | CBB1-N6-P0 | |
| IBL00-P07 | CBB1-N7-P0 | |
| IBL00-P08 | CBB1-N8-P0 | |
| IBL00-P09 | CBB1-N9-P0 | |
| IBL00-P10 | CBB2-N1-P0 | |
| IBL00-P11 | CBB2-N2-P0 | |
| IBL00-P12 | CBB2-N3-P0 | |
| IBL00-P13 | CBB2-N4-P0 | |
| IBL00-P14 | CBB2-N5-P0 | |
| IBL00-P15 | CBB2-N6-P0 | |
| IBL00-P16 | CBB2-N7-P0 | UBB-U9-P0 |
| IBL00-P17 | CBB2-N8-P0 | UBB-U8-P0 |
| IBL00-P18 | CBB2-N9-P0 | UBB-U7-P0 |
| IBL00-P19 | CBB3-N1-P0 | UBB-U6-P0 |
| IBL00-P20 | CBB3-N2-P0 | UBB-U5-P0 |
| IBL00-P21 | CBB3-N3-P0 | UBB-U4-P0 |
| IBL00-P22 | CBB3-N4-P0 | UBB-U3-P0 |
| IBL00-P23 | CBB3-N5-P0 | UBB-U2-P0 |
| IBL00-P24 | UBB-C1-P0 | UBB-U1-P0 |

# 3-2 25 - 32 Nodes, Back-to-Back

| Origin | Destination |
|---|---|
| IBL00-P01 | CBB1-N1-P0 |
| IBL00-P02 | CBB1-N2-P0 |
| IBL00-P03 | CBB1-N3-P0 |
| IBL00-P04 | CBB1-N4-P0 |
| IBL00-P05 | CBB1-N5-P0 |
| IBL00-P06 | CBB1-N6-P0 |
| IBL00-P07 | CBB1-N7-P0 |
| IBL00-P08 | CBB1-N8-P0 |
| IBL00-P09 | IBL01-P09 |
| IBL00-P10 | IBL01-P10 |
| IBL00-P11 | IBL01-P11 |
| IBL00-P12 | IBL01-P12 |
| IBL00-P13 | CBB1-N9-P0 |
| IBL00-P14 | CBB2-N1-P0 |
| IBL00-P15 | CBB2-N2-P0 |
| IBL00-P16 | CBB2-N3-P0 |
| IBL00-P17 | CBB2-N4-P0 |
| IBL00-P18 | CBB2-N5-P0 |
| IBL00-P19 | CBB2-N6-P0 |
| IBL00-P20 | CBB2-N7-P0 |
| IBL00-P21 | IBL01-P21 |
| IBL00-P22 | IBL01-P22 |
| IBL00-P23 | IBL01-P23 |
| IBL00-P24 | IBL01-P24 |

| Origin | Primary Destination | Secondary Destination |
|---|---|---|
| IBL01-P01 | CBB2-N8-P0 | |
| IBL01-P02 | CBB2-N9-P0 | |
| IBL01-P03 | CBB3-N1-P0 | |
| IBL01-P04 | CBB3-N2-P0 | |
| IBL01-P05 | CBB3-N3-P0 | |
| IBL01-P06 | CBB3-N4-P0 | |
| IBL01-P07 | CBB3-N5-P0 | UBB-U9-P0 |
| IBL01-P08 | CBB3-N6-P0 | UBB-U8-P0 |
| IBL01-P09 | IBL00-P09 | |
| IBL01-P10 | IBL00-P10 | |
| IBL01-P11 | IBL00-P11 | |
| IBL01-P12 | IBL00-P12 | |
| IBL01-P13 | CBB3-N7-P0 | UBB-U7-P0 |
| IBL01-P14 | CBB3-N8-P0 | UBB-U6-P0 |
| IBL01-P15 | CBB3-N9-P0 | UBB-U5-P0 |
| IBL01-P16 | CBB4-N1-P0 | UBB-U4-P0 |
| IBL01-P17 | CBB4-N2-P0 | UBB-U3-P0 |
| IBL01-P18 | CBB4-N3-P0 | UBB-U2-P0 |
| IBL01-P19 | CBB4-N4-P0 | UBB-U1-P0 |
| IBL01-P20 | UBB-C1-P0 | |
| IBL01-P21 | IBL00-P21 | |
| IBL01-P22 | IBL00-P22 | |
| IBL01-P23 | IBL00-P23 | |
| IBL01-P24 | IBL00-P24 | |

# 3-3 25 - 48 Nodes Federated

| Origin | Destination |
|---|---|
| IBL00-P01 | CBB1-N1-P0 |
| IBL00-P02 | CBB1-N2-P0 |
| IBL00-P03 | CBB1-N3-P0 |
| IBL00-P04 | CBB1-N4-P0 |
| IBL00-P05 | CBB1-N5-P0 |
| IBL00-P06 | CBB1-N6-P0 |
| IBL00-P07 | CBB1-N7-P0 |
| IBL00-P08 | CBB1-N8-P0 |
| IBL00-P09 | IBS00-P01 |
| IBL00-P10 | IBS00-P04 |
| IBL00-P11 | IBS00-P07 |
| IBL00-P12 | IBS00-P10 |
| IBL00-P13 | CBB1-N9-P0 |
| IBL00-P14 | CBB2-N1-P0 |
| IBL00-P15 | CBB2-N2-P0 |
| IBL00-P16 | CBB2-N3-P0 |
| IBL00-P17 | CBB2-N4-P0 |
| IBL00-P18 | CBB2-N5-P0 |
| IBL00-P19 | CBB2-N6-P0 |
| IBL00-P20 | CBB2-N7-P0 |
| IBL00-P21 | IBS00-P13 |
| IBL00-P22 | IBS00-P16 |
| IBL00-P23 | IBS00-P19 |
| IBL00-P24 | IBS00-P22 |

| Origin | Primary Destination |
|---|---|
| IBL01-P01 | CBB2-N8-P0 |
| IBL01-P02 | CBB2-N9-P0 |
| IBL01-P03 | CBB3-N1-P0 |
| IBL01-P04 | CBB3-N2-P0 |
| IBL01-P05 | CBB3-N3-P0 |
| IBL01-P06 | CBB3-N4-P0 |
| IBL01-P07 | CBB3-N5-P0 |
| IBL01-P08 | CBB3-N6-P0 |
| IBL01-P09 | IBS00-P02 |
| IBL01-P10 | IBS00-P05 |
| IBL01-P11 | IBS00-P08 |
| IBL01-P12 | IBS00-P011 |
| IBL01-P13 | CBB3-N7-P0 |
| IBL01-P14 | CBB3-N8-P0 |
| IBL01-P15 | CBB3-N9-P0 |
| IBL01-P16 | CBB4-N1-P0 |
| IBL01-P17 | CBB4-N2-P0 |
| IBL01-P18 | CBB4-N3-P0 |
| IBL01-P19 | CBB4-N4-P0 |
| IBL01-P20 | CBB4-N5-P0 |
| IBL01-P21 | IBS00-P14 |
| IBL01-P22 | IBS00-P17 |
| IBL01-P23 | IBS00-P20 |
| IBL01-P24 | IBS00-P23 |

| Origin | Destination |
|---|---|
| IBL02-P01 | CBB4-N6-P0 |
| IBL02-P02 | CBB4-N7-P0 |
| IBL02-P03 | CBB4-N8-P0 |
| IBL02-P04 | CBB4-N9-P0 |
| IBL02-P05 | CBB5-N1-P0 |
| IBL02-P06 | CBB5-N2-P0 |
| IBL02-P07 | CBB5-N3-P0 |
| IBL02-P08 | CBB5-N4-P0 |
| IBL02-P09 | IBS00-P03 |
| IBL02-P10 | IBS00-P06 |
| IBL02-P11 | IBS00-P09 |
| IBL02-P12 | IBS00-P012 |
| IBL02-P13 | CBB5-N5-P0 |
| IBL02-P14 | CBB5-N6-P0 |
| IBL02-P15 | CBB5-N7-P0 |
| IBL02-P16 | CBB5-N8-P0 |
| IBL02-P17 | CBB5-N9-P0 |
| IBL02-P18 | CBB6-N1-P0 |
| IBL02-P19 | CBB6-N2-P0 |
| IBL02-P20 | UBB-C1-P0 |
| IBL02-P21 | IBS00-P15 |
| IBL02-P22 | IBS00-P18 |
| IBL02-P23 | IBS00-P21 |
| IBL02-P24 | IBS00-P24 |

| Secondary Destination |
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| UBB-U9-P0 |
| UBB-U8-P0 |
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| UBB-U7-P0 |
| UBB-U6-P0 |
| UBB-U5-P0 |
| UBB-U4-P0 |
| UBB-U3-P0 |
| UBB-U2-P0 |
| UBB-U1-P0 |
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# 3-4 1 - 144 Nodes Using 7012D, Full Bandwidth

| Origin | Destination |
|---|---|
| IBL00-M1-P1 | CBB1-N1-P0 |
| IBL00-M1-P2 | CBB1-N2-P0 |
| IBL00-M1-P3 | CBB1-N3-P0 |
| IBL00-M1-P4 | CBB1-N4-P0 |
| IBL00-M1-P5 | CBB1-N5-P0 |
| IBL00-M1-P6 | CBB1-N6-P0 |
| IBL00-M1-P7 | CBB1-N7-P0 |
| IBL00-M1-P8 | CBB1-N8-P0 |
| IBL00-M1-P9 | CBB1-N9-P0 |
| IBL00-M1-P10 | CBB2-N1-P0 |
| IBL00-M1-P11 | CBB2-N2-P0 |
| IBL00-M1-P12 | CBB2-N3-P0 |
| IBL00-M2-P1 | CBB2-N4-P0 |
| IBL00-M2-P2 | CBB2-N5-P0 |
| IBL00-M2-P3 | CBB2-N6-P0 |
| IBL00-M2-P4 | CBB2-N7-P0 |
| IBL00-M2-P5 | CBB2-N8-P0 |
| IBL00-M2-P6 | CBB2-N9-P0 |
| IBL00-M2-P7 | CBB3-N1-P0 |
| IBL00-M2-P8 | CBB3-N2-P0 |
| IBL00-M2-P9 | CBB3-N3-P0 |
| IBL00-M2-P10 | CBB3-N4-P0 |
| IBL00-M2-P11 | CBB3-N5-P0 |
| IBL00-M2-P12 | CBB3-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M3-P1 | CBB3-N7-P0 |
| IBL00-M3-P2 | CBB3-N8-P0 |
| IBL00-M3-P3 | CBB3-N9-P0 |
| IBL00-M3-P4 | CBB4-N1-P0 |
| IBL00-M3-P5 | CBB4-N2-P0 |
| IBL00-M3-P6 | CBB4-N3-P0 |
| IBL00-M3-P7 | CBB4-N4-P0 |
| IBL00-M3-P8 | CBB4-N5-P0 |
| IBL00-M3-P9 | CBB4-N6-P0 |
| IBL00-M3-P10 | CBB4-N7-P0 |
| IBL00-M3-P11 | CBB4-N8-P0 |
| IBL00-M3-P12 | CBB4-N9-P0 |
| IBL00-M4-P1 | CBB5-N1-P0 |
| IBL00-M4-P2 | CBB5-N2-P0 |
| IBL00-M4-P3 | CBB5-N3-P0 |
| IBL00-M4-P4 | CBB5-N4-P0 |
| IBL00-M4-P5 | CBB5-N5-P0 |
| IBL00-M4-P6 | CBB5-N6-P0 |
| IBL00-M4-P7 | CBB5-N7-P0 |
| IBL00-M4-P8 | CBB5-N8-P0 |
| IBL00-M4-P9 | CBB5-N9-P0 |
| IBL00-M4-P10 | CBB6-N1-P0 |
| IBL00-M4-P11 | CBB6-N2-P0 |
| IBL00-M4-P12 | CBB6-N3-P0 |

| Origin | Destination |
|---|---|
| IBL00-M5-P1 | CBB6-N4-P0 |
| IBL00-M5-P2 | CBB6-N5-P0 |
| IBL00-M5-P3 | CBB6-N6-P0 |
| IBL00-M5-P4 | CBB6-N7-P0 |
| IBL00-M5-P5 | CBB6-N8-P0 |
| IBL00-M5-P6 | CBB6-N9-P0 |
| IBL00-M5-P7 | CBB7-N1-P0 |
| IBL00-M5-P8 | CBB7-N2-P0 |
| IBL00-M5-P9 | CBB7-N3-P0 |
| IBL00-M5-P10 | CBB7-N4-P0 |
| IBL00-M5-P11 | CBB7-N5-P0 |
| IBL00-M5-P12 | CBB7-N6-P0 |
| IBL00-M6-P1 | CBB7-N7-P0 |
| IBL00-M6-P2 | CBB7-N8-P0 |
| IBL00-M6-P3 | CBB7-N9-P0 |
| IBL00-M6-P4 | CBB8-N1-P0 |
| IBL00-M6-P5 | CBB8-N2-P0 |
| IBL00-M6-P6 | CBB8-N3-P0 |
| IBL00-M6-P7 | CBB8-N4-P0 |
| IBL00-M6-P8 | CBB8-N5-P0 |
| IBL00-M6-P9 | CBB8-N6-P0 |
| IBL00-M6-P10 | CBB8-N7-P0 |
| IBL00-M6-P11 | CBB8-N8-P0 |
| IBL00-M6-P12 | CBB8-N9-P0 |

| Origin | Destination |
|---|---|
| IBL00-M7-P1 | CBB9-N1-P0 |
| IBL00-M7-P2 | CBB9-N2-P0 |
| IBL00-M7-P3 | CBB9-N3-P0 |
| IBL00-M7-P4 | CBB9-N4-P0 |
| IBL00-M7-P5 | CBB9-N5-P0 |
| IBL00-M7-P6 | CBB9-N6-P0 |
| IBL00-M7-P7 | CBB9-N7-P0 |
| IBL00-M7-P8 | CBB9-N8-P0 |
| IBL00-M7-P9 | CBB9-N9-P0 |
| IBL00-M7-P10 | CBB10-N1-P0 |
| IBL00-M7-P11 | CBB10-N2-P0 |
| IBL00-M7-P12 | CBB10-N3-P0 |
| IBL00-M8-P1 | CBB10-N4-P0 |
| IBL00-M8-P2 | CBB10-N5-P0 |
| IBL00-M8-P3 | CBB10-N6-P0 |
| IBL00-M8-P4 | CBB10-N7-P0 |
| IBL00-M8-P5 | CBB10-N8-P0 |
| IBL00-M8-P6 | CBB10-N9-P0 |
| IBL00-M8-P7 | CBB11-N1-P0 |
| IBL00-M8-P8 | CBB11-N2-P0 |
| IBL00-M8-P9 | CBB11-N3-P0 |
| IBL00-M8-P10 | CBB11-N4-P0 |
| IBL00-M8-P11 | CBB11-N5-P0 |
| IBL00-M8-P12 | CBB11-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M9-P1 | CBB11-N7-P0 |
| IBL00-M9-P2 | CBB11-N8-P0 |
| IBL00-M9-P3 | CBB11-N9-P0 |
| IBL00-M9-P4 | CBB12-N1-P0 |
| IBL00-M9-P5 | CBB12-N2-P0 |
| IBL00-M9-P6 | CBB12-N3-P0 |
| IBL00-M9-P7 | CBB12-N4-P0 |
| IBL00-M9-P8 | CBB12-N5-P0 |
| IBL00-M9-P9 | CBB12-N6-P0 |
| IBL00-M9-P10 | CBB12-N7-P0 |
| IBL00-M9-P11 | CBB12-N8-P0 |
| IBL00-M9-P12 | CBB12-N9-P0 |
| IBL00-M10-P1 | CBB13-N1-P0 |
| IBL00-M10-P2 | CBB13-N2-P0 |
| IBL00-M10-P3 | CBB13-N3-P0 |
| IBL00-M10-P4 | CBB13-N4-P0 |
| IBL00-M10-P5 | CBB13-N5-P0 |
| IBL00-M10-P6 | CBB13-N6-P0 |
| IBL00-M10-P7 | CBB13-N7-P0 |
| IBL00-M10-P8 | CBB13-N8-P0 |
| IBL00-M10-P9 | CBB13-N9-P0 |
| IBL00-M10-P10 | CBB14-N1-P0 |
| IBL00-M10-P11 | CBB14-N2-P0 |
| IBL00-M10-P12 | CBB14-N3-P0 |

| Origin | Destination | Destination Priority 2 |
|---|---|---|
| IBL00-M11-P1 | CBB14-N4-P0 | |
| IBL00-M11-P2 | CBB14-N5-P0 | |
| IBL00-M11-P3 | CBB14-N6-P0 | UBB-U21-P0 |
| IBL00-M11-P4 | CBB14-N7-P0 | UBB-U20-P0 |
| IBL00-M11-P5 | CBB14-N8-P0 | UBB-U19-P0 |
| IBL00-M11-P6 | CBB14-N9-P0 | UBB-U18-P0 |
| IBL00-M11-P7 | CBB15-N1-P0 | UBB-U17-P0 |
| IBL00-M11-P8 | CBB15-N2-P0 | UBB-U16-P0 |
| IBL00-M11-P9 | CBB15-N3-P0 | UBB-U15-P0 |
| IBL00-M11-P10 | CBB15-N4-P0 | UBB-U14-P0 |
| IBL00-M11-P11 | CBB15-N5-P0 | UBB-U13-P0 |
| IBL00-M11-P12 | CBB15-N6-P0 | UBB-U12-P0 |
| IBL00-M12-P1 | CBB15-N7-P0 | UBB-U11-P0 |
| IBL00-M12-P2 | CBB15-N8-P0 | UBB-U10-P0 |
| IBL00-M12-P3 | CBB15-N9-P0 | UBB-U9-P0 |
| IBL00-M12-P4 | UBB-U8-P0 | |
| IBL00-M12-P5 | UBB-U7-P0 | |
| IBL00-M12-P6 | UBB-U6-P0 | |
| IBL00-M12-P7 | UBB-U5-P0 | |
| IBL00-M12-P8 | UBB-U4-P0 | |
| IBL00-M12-P9 | UBB-U3-P0 | |
| IBL00-M12-P10 | UBB-U2-P0 | |
| IBL00-M12-P11 | UBB-U1-P0 | |
| IBL00-M12-P12 | UBB-C1-P0 | |

# 3-5 1 - 288 Nodes Using 7024D, Full Bandwidth

| Origin | Destination |
|---|---|
| IBL00-M1-P1 | CBB1-N1-P0 |
| IBL00-M1-P2 | CBB1-N2-P0 |
| IBL00-M1-P3 | CBB1-N3-P0 |
| IBL00-M1-P4 | CBB1-N4-P0 |
| IBL00-M1-P5 | CBB1-N5-P0 |
| IBL00-M1-P6 | CBB1-N6-P0 |
| IBL00-M1-P7 | CBB1-N7-P0 |
| IBL00-M1-P8 | CBB1-N8-P0 |
| IBL00-M1-P9 | CBB1-N9-P0 |
| IBL00-M1-P10 | CBB2-N1-P0 |
| IBL00-M1-P11 | CBB2-N2-P0 |
| IBL00-M1-P12 | CBB2-N3-P0 |
| IBL00-M2-P1 | CBB2-N4-P0 |
| IBL00-M2-P2 | CBB2-N5-P0 |
| IBL00-M2-P3 | CBB2-N6-P0 |
| IBL00-M2-P4 | CBB2-N7-P0 |
| IBL00-M2-P5 | CBB2-N8-P0 |
| IBL00-M2-P6 | CBB2-N9-P0 |
| IBL00-M2-P7 | CBB3-N1-P0 |
| IBL00-M2-P8 | CBB3-N2-P0 |
| IBL00-M2-P9 | CBB3-N3-P0 |
| IBL00-M2-P10 | CBB3-N4-P0 |
| IBL00-M2-P11 | CBB3-N5-P0 |
| IBL00-M2-P12 | CBB3-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M3-P1 | CBB3-N7-P0 |
| IBL00-M3-P2 | CBB3-N8-P0 |
| IBL00-M3-P3 | CBB3-N9-P0 |
| IBL00-M3-P4 | CBB4-N1-P0 |
| IBL00-M3-P5 | CBB4-N2-P0 |
| IBL00-M3-P6 | CBB4-N3-P0 |
| IBL00-M3-P7 | CBB4-N4-P0 |
| IBL00-M3-P8 | CBB4-N5-P0 |
| IBL00-M3-P9 | CBB4-N6-P0 |
| IBL00-M3-P10 | CBB4-N7-P0 |
| IBL00-M3-P11 | CBB4-N8-P0 |
| IBL00-M3-P12 | CBB4-N9-P0 |
| IBL00-M4-P1 | CBB5-N1-P0 |
| IBL00-M4-P2 | CBB5-N2-P0 |
| IBL00-M4-P3 | CBB5-N3-P0 |
| IBL00-M4-P4 | CBB5-N4-P0 |
| IBL00-M4-P5 | CBB5-N5-P0 |
| IBL00-M4-P6 | CBB5-N6-P0 |
| IBL00-M4-P7 | CBB5-N7-P0 |
| IBL00-M4-P8 | CBB5-N8-P0 |
| IBL00-M4-P9 | CBB5-N9-P0 |
| IBL00-M4-P10 | CBB6-N1-P0 |
| IBL00-M4-P11 | CBB6-N2-P0 |
| IBL00-M4-P12 | CBB6-N3-P0 |

| Origin | Destination |
|---|---|
| IBL00-M5-P1 | CBB6-N4-P0 |
| IBL00-M5-P2 | CBB6-N5-P0 |
| IBL00-M5-P3 | CBB6-N6-P0 |
| IBL00-M5-P4 | CBB6-N7-P0 |
| IBL00-M5-P5 | CBB6-N8-P0 |
| IBL00-M5-P6 | CBB6-N9-P0 |
| IBL00-M5-P7 | CBB7-N1-P0 |
| IBL00-M5-P8 | CBB7-N2-P0 |
| IBL00-M5-P9 | CBB7-N3-P0 |
| IBL00-M5-P10 | CBB7-N4-P0 |
| IBL00-M5-P11 | CBB7-N5-P0 |
| IBL00-M5-P12 | CBB7-N6-P0 |
| IBL00-M6-P1 | CBB7-N7-P0 |
| IBL00-M6-P2 | CBB7-N8-P0 |
| IBL00-M6-P3 | CBB7-N9-P0 |
| IBL00-M6-P4 | CBB8-N1-P0 |
| IBL00-M6-P5 | CBB8-N2-P0 |
| IBL00-M6-P6 | CBB8-N3-P0 |
| IBL00-M6-P7 | CBB8-N4-P0 |
| IBL00-M6-P8 | CBB8-N5-P0 |
| IBL00-M6-P9 | CBB8-N6-P0 |
| IBL00-M6-P10 | CBB8-N7-P0 |
| IBL00-M6-P11 | CBB8-N8-P0 |
| IBL00-M6-P12 | CBB8-N9-P0 |

| Origin | Destination |
|---|---|
| IBL00-M7-P1 | CBB9-N1-P0 |
| IBL00-M7-P2 | CBB9-N2-P0 |
| IBL00-M7-P3 | CBB9-N3-P0 |
| IBL00-M7-P4 | CBB9-N4-P0 |
| IBL00-M7-P5 | CBB9-N5-P0 |
| IBL00-M7-P6 | CBB9-N6-P0 |
| IBL00-M7-P7 | CBB9-N7-P0 |
| IBL00-M7-P8 | CBB9-N8-P0 |
| IBL00-M7-P9 | CBB9-N9-P0 |
| IBL00-M7-P10 | CBB10-N1-P0 |
| IBL00-M7-P11 | CBB10-N2-P0 |
| IBL00-M7-P12 | CBB10-N3-P0 |
| IBL00-M8-P1 | CBB10-N4-P0 |
| IBL00-M8-P2 | CBB10-N5-P0 |
| IBL00-M8-P3 | CBB10-N6-P0 |
| IBL00-M8-P4 | CBB10-N7-P0 |
| IBL00-M8-P5 | CBB10-N8-P0 |
| IBL00-M8-P6 | CBB10-N9-P0 |
| IBL00-M8-P7 | CBB11-N1-P0 |
| IBL00-M8-P8 | CBB11-N2-P0 |
| IBL00-M8-P9 | CBB11-N3-P0 |
| IBL00-M8-P10 | CBB11-N4-P0 |
| IBL00-M8-P11 | CBB11-N5-P0 |
| IBL00-M8-P12 | CBB11-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M9-P1 | CBB11-N7-P0 |
| IBL00-M9-P2 | CBB11-N8-P0 |
| IBL00-M9-P3 | CBB11-N9-P0 |
| IBL00-M9-P4 | CBB12-N1-P0 |
| IBL00-M9-P5 | CBB12-N2-P0 |
| IBL00-M9-P6 | CBB12-N3-P0 |
| IBL00-M9-P7 | CBB12-N4-P0 |
| IBL00-M9-P8 | CBB12-N5-P0 |
| IBL00-M9-P9 | CBB12-N6-P0 |
| IBL00-M9-P10 | CBB12-N7-P0 |
| IBL00-M9-P11 | CBB12-N8-P0 |
| IBL00-M9-P12 | CBB12-N9-P0 |
| IBL00-M10-P1 | CBB13-N1-P0 |
| IBL00-M10-P2 | CBB13-N2-P0 |
| IBL00-M10-P3 | CBB13-N3-P0 |
| IBL00-M10-P4 | CBB13-N4-P0 |
| IBL00-M10-P5 | CBB13-N5-P0 |
| IBL00-M10-P6 | CBB13-N6-P0 |
| IBL00-M10-P7 | CBB13-N7-P0 |
| IBL00-M10-P8 | CBB13-N8-P0 |
| IBL00-M10-P9 | CBB13-N9-P0 |
| IBL00-M10-P10 | CBB14-N1-P0 |
| IBL00-M10-P11 | CBB14-N2-P0 |
| IBL00-M10-P12 | CBB14-N3-P0 |

| Origin | Destination |
|---|---|
| IBL00-M11-P1 | CBB14-N4-P0 |
| IBL00-M11-P2 | CBB14-N5-P0 |
| IBL00-M11-P3 | CBB14-N6-P0 |
| IBL00-M11-P4 | CBB14-N7-P0 |
| IBL00-M11-P5 | CBB14-N8-P0 |
| IBL00-M11-P6 | CBB14-N9-P0 |
| IBL00-M11-P7 | CBB15-N1-P0 |
| IBL00-M11-P8 | CBB15-N2-P0 |
| IBL00-M11-P9 | CBB15-N3-P0 |
| IBL00-M11-P10 | CBB15-N4-P0 |
| IBL00-M11-P11 | CBB15-N5-P0 |
| IBL00-M11-P12 | CBB15-N6-P0 |
| IBL00-M12-P1 | CBB15-N7-P0 |
| IBL00-M12-P2 | CBB15-N8-P0 |
| IBL00-M12-P3 | CBB15-N9-P0 |
| IBL00-M12-P4 | CBB16-N1-P0 |
| IBL00-M12-P5 | CBB16-N2-P0 |
| IBL00-M12-P6 | CBB16-N3-P0 |
| IBL00-M12-P7 | CBB16-N4-P0 |
| IBL00-M12-P8 | CBB16-N5-P0 |
| IBL00-M12-P9 | CBB16-N6-P0 |
| IBL00-M12-P10 | CBB16-N7-P0 |
| IBL00-M12-P11 | CBB16-N8-P0 |
| IBL00-M12-P12 | CBB16-N9-P0 |

| Origin | Destination |
|---|---|
| IBL00-M13-P1 | CBB17-N1-P0 |
| IBL00-M13-P2 | CBB17-N2-P0 |
| IBL00-M13-P3 | CBB17-N3-P0 |
| IBL00-M13-P4 | CBB17-N4-P0 |
| IBL00-M13-P5 | CBB17-N5-P0 |
| IBL00-M13-P6 | CBB17-N6-P0 |
| IBL00-M13-P7 | CBB17-N7-P0 |
| IBL00-M13-P8 | CBB17-N8-P0 |
| IBL00-M13-P9 | CBB17-N9-P0 |
| IBL00-M13-P10 | CBB18-N1-P0 |
| IBL00-M13-P11 | CBB18-N2-P0 |
| IBL00-M13-P12 | CBB18-N3-P0 |
| IBL00-M14-P1 | CBB18-N4-P0 |
| IBL00-M14-P2 | CBB18-N5-P0 |
| IBL00-M14-P3 | CBB18-N6-P0 |
| IBL00-M14-P4 | CBB18-N7-P0 |
| IBL00-M14-P5 | CBB18-N8-P0 |
| IBL00-M14-P6 | CBB18-N9-P0 |
| IBL00-M14-P7 | CBB19-N1-P0 |
| IBL00-M14-P8 | CBB19-N2-P0 |
| IBL00-M14-P9 | CBB19-N3-P0 |
| IBL00-M14-P10 | CBB19-N4-P0 |
| IBL00-M14-P11 | CBB19-N5-P0 |
| IBL00-M14-P12 | CBB19-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M15-P1 | CBB19-N7-P0 |
| IBL00-M15-P2 | CBB19-N8-P0 |
| IBL00-M15-P3 | CBB19-N9-P0 |
| IBL00-M15-P4 | CBB20-N1-P0 |
| IBL00-M15-P5 | CBB20-N2-P0 |
| IBL00-M15-P6 | CBB20-N3-P0 |
| IBL00-M15-P7 | CBB20-N4-P0 |
| IBL00-M15-P8 | CBB20-N5-P0 |
| IBL00-M15-P9 | CBB20-N6-P0 |
| IBL00-M15-P10 | CBB20-N7-P0 |
| IBL00-M15-P11 | CBB20-N8-P0 |
| IBL00-M15-P12 | CBB20-N9-P0 |
| IBL00-M16-P1 | CBB21-N1-P0 |
| IBL00-M16-P2 | CBB21-N2-P0 |
| IBL00-M16-P3 | CBB21-N3-P0 |
| IBL00-M16-P4 | CBB21-N4-P0 |
| IBL00-M16-P5 | CBB21-N5-P0 |
| IBL00-M16-P6 | CBB21-N6-P0 |
| IBL00-M16-P7 | CBB21-N7-P0 |
| IBL00-M16-P8 | CBB21-N8-P0 |
| IBL00-M16-P9 | CBB21-N9-P0 |
| IBL00-M16-P10 | CBB22-N1-P0 |
| IBL00-M16-P11 | CBB22-N2-P0 |
| IBL00-M16-P12 | CBB22-N3-P0 |

| Origin | Destination |
|---|---|
| IBL00-M17-P1 | CBB22-N4-P0 |
| IBL00-M17-P2 | CBB22-N5-P0 |
| IBL00-M17-P3 | CBB22-N6-P0 |
| IBL00-M17-P4 | CBB22-N7-P0 |
| IBL00-M17-P5 | CBB22-N8-P0 |
| IBL00-M17-P6 | CBB22-N9-P0 |
| IBL00-M17-P7 | CBB23-N1-P0 |
| IBL00-M17-P8 | CBB23-N2-P0 |
| IBL00-M17-P9 | CBB23-N3-P0 |
| IBL00-M17-P10 | CBB23-N4-P0 |
| IBL00-M17-P11 | CBB23-N5-P0 |
| IBL00-M17-P12 | CBB23-N6-P0 |
| IBL00-M18-P1 | CBB23-N7-P0 |
| IBL00-M18-P2 | CBB23-N8-P0 |
| IBL00-M18-P3 | CBB23-N9-P0 |
| IBL00-M18-P4 | CBB24-N1-P0 |
| IBL00-M18-P5 | CBB24-N2-P0 |
| IBL00-M18-P6 | CBB24-N3-P0 |
| IBL00-M18-P7 | CBB24-N4-P0 |
| IBL00-M18-P8 | CBB24-N5-P0 |
| IBL00-M18-P9 | CBB24-N6-P0 |
| IBL00-M18-P10 | CBB24-N7-P0 |
| IBL00-M18-P11 | CBB24-N8-P0 |
| IBL00-M18-P12 | CBB24-N9-P0 |

| Origin | Destination |
|---|---|
| IBL00-M19-P1 | CBB25-N1-P0 |
| IBL00-M19-P2 | CBB25-N2-P0 |
| IBL00-M19-P3 | CBB25-N3-P0 |
| IBL00-M19-P4 | CBB25-N4-P0 |
| IBL00-M19-P5 | CBB25-N5-P0 |
| IBL00-M19-P6 | CBB25-N6-P0 |
| IBL00-M19-P7 | CBB25-N7-P0 |
| IBL00-M19-P8 | CBB25-N8-P0 |
| IBL00-M19-P9 | CBB25-N9-P0 |
| IBL00-M19-P10 | CBB26-N1-P0 |
| IBL00-M19-P11 | CBB26-N2-P0 |
| IBL00-M19-P12 | CBB26-N3-P0 |
| IBL00-M20-P1 | CBB26-N4-P0 |
| IBL00-M20-P2 | CBB26-N5-P0 |
| IBL00-M20-P3 | CBB26-N6-P0 |
| IBL00-M20-P4 | CBB26-N7-P0 |
| IBL00-M20-P5 | CBB26-N8-P0 |
| IBL00-M20-P6 | CBB26-N9-P0 |
| IBL00-M20-P7 | CBB27-N1-P0 |
| IBL00-M20-P8 | CBB27-N2-P0 |
| IBL00-M20-P9 | CBB27-N3-P0 |
| IBL00-M20-P10 | CBB27-N4-P0 |
| IBL00-M20-P11 | CBB27-N5-P0 |
| IBL00-M20-P12 | CBB27-N6-P0 |

| Origin | Destination |
|---|---|
| IBL00-M21-P1 | CBB27-N7-P0 |
| IBL00-M21-P2 | CBB27-N8-P0 |
| IBL00-M21-P3 | CBB27-N9-P0 |
| IBL00-M21-P4 | CBB28-N1-P0 |
| IBL00-M21-P5 | CBB28-N2-P0 |
| IBL00-M21-P6 | CBB28-N3-P0 |
| IBL00-M21-P7 | CBB28-N4-P0 |
| IBL00-M21-P8 | CBB28-N5-P0 |
| IBL00-M21-P9 | CBB28-N6-P0 |
| IBL00-M21-P10 | CBB28-N7-P0 |
| IBL00-M21-P11 | CBB28-N8-P0 |
| IBL00-M21-P12 | CBB28-N9-P0 |
| IBL00-M22-P1 | CBB29-N1-P0 |
| IBL00-M22-P2 | CBB29-N2-P0 |
| IBL00-M22-P3 | CBB29-N3-P0 |
| IBL00-M22-P4 | CBB29-N4-P0 |
| IBL00-M22-P5 | CBB29-N5-P0 |
| IBL00-M22-P6 | CBB29-N6-P0 |
| IBL00-M22-P7 | CBB29-N7-P0 |
| IBL00-M22-P8 | CBB29-N8-P0 |
| IBL00-M22-P9 | CBB29-N9-P0 |
| IBL00-M22-P10 | CBB30-N1-P0 |
| IBL00-M22-P11 | CBB30-N2-P0 |
| IBL00-M22-P12 | CBB30-N3-P0 |

| Origin | Destination Priority 1 | Destination Priority 2 |
|---|---|---|
| IBL00-M23-P1 | CBB30-N4-P0 | |
| IBL00-M23-P2 | CBB30-N5-P0 | UBB-U21-P0 |
| IBL00-M23-P3 | CBB30-N6-P0 | UBB-U20-P0 |
| IBL00-M23-P4 | CBB30-N7-P0 | UBB-U19-P0 |
| IBL00-M23-P5 | CBB30-N8-P0 | UBB-U18-P0 |
| IBL00-M23-P6 | CBB30-N9-P0 | UBB-U17-P0 |
| IBL00-M23-P7 | CBB31-N1-P0 | UBB-U16-P0 |
| IBL00-M23-P8 | CBB31-N2-P0 | UBB-U15-P0 |
| IBL00-M23-P9 | CBB31-N3-P0 | UBB-U14-P0 |
| IBL00-M23-P10 | CBB31-N4-P0 | UBB-U13-P0 |
| IBL00-M23-P11 | CBB31-N5-P0 | UBB-U12-P0 |
| IBL00-M23-P12 | CBB31-N6-P0 | UBB-U11-P0 |
| IBL00-M24-P1 | CBB31-N7-P0 | UBB-U10-P0 |
| IBL00-M24-P2 | CBB31-N8-P0 | UBB-U9-P0 |
| IBL00-M24-P3 | CBB31-N9-P0 | UBB-U8-P0 |
| IBL00-M24-P4 | CBB32-N1-P0 | UBB-U7-P0 |
| IBL00-M24-P5 | CBB32-N2-P0 | UBB-U6-P0 |
| IBL00-M24-P6 | CBB32-N3-P0 | UBB-U5-P0 |
| IBL00-M24-P7 | CBB32-N4-P0 | UBB-U4-P0 |
| IBL00-M24-P8 | CBB32-N5-P0 | UBB-U3-P0 |
| IBL00-M24-P9 | CBB32-N6-P0 | UBB-U2-P0 |
| IBL00-M24-P10 | CBB32-N7-P0 | UBB-U1-P0 |
| IBL00-M24-P11 | CBB32-N8-P0 | |
| IBL00-M24-P12 | UBB-C1-P0 | |