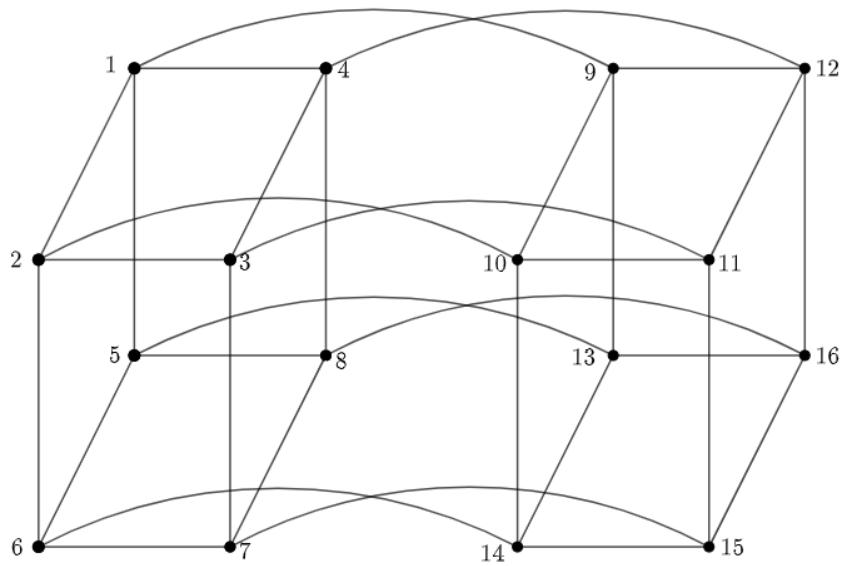


Hypercube network of dimension 4



1-Fault Metric dimension – 5

1DRW index - 256

- | | |
|------------------------|------------------------|
| 1. {1, 2, 3, 6, 8} | 28. {1, 3, 6, 8, 11} |
| 2. {1, 2, 3, 6, 10} | 29. {1, 3, 6, 8, 14} |
| 3. {1, 2, 3, 8, 12} | 30. {1, 3, 6, 8, 16} |
| 4. {1, 2, 3, 10, 12} | 31. {1, 3, 6, 9, 10} |
| 5. {1, 2, 4, 5, 7} | 32. {1, 3, 6, 10, 11} |
| 6. {1, 2, 4, 5, 9} | 33. {1, 3, 6, 10, 14} |
| 7. {1, 2, 4, 7, 11} | 34. {1, 3, 6, 10, 16} |
| 8. {1, 2, 4, 9, 11} | 35. {1, 3, 7, 8, 12} |
| 9. {1, 2, 5, 7, 14} | 36. {1, 3, 7, 10, 12} |
| 10. {1, 2, 5, 9, 14} | 37. {1, 3, 8, 9, 12} |
| 11. {1, 2, 6, 8, 13} | 38. {1, 3, 8, 11, 12} |
| 12. {1, 2, 6, 10, 13} | 39. {1, 3, 8, 12, 14} |
| 13. {1, 2, 7, 11, 14} | 40. {1, 3, 8, 12, 16} |
| 14. {1, 2, 8, 12, 13} | 41. {1, 3, 9, 10, 12} |
| 15. {1, 2, 9, 11, 14} | 42. {1, 3, 10, 11, 12} |
| 16. {1, 2, 10, 12, 13} | 43. {1, 3, 10, 12, 14} |
| 17. {1, 3, 4, 6, 8} | 44. {1, 3, 10, 12, 16} |
| 18. {1, 3, 4, 6, 10} | 45. {1, 4, 5, 7, 16} |
| 19. {1, 3, 4, 8, 12} | 46. {1, 4, 5, 9, 16} |
| 20. {1, 3, 4, 10, 12} | 47. {1, 4, 6, 8, 13} |
| 21. {1, 3, 5, 6, 8} | 48. {1, 4, 6, 10, 13} |
| 22. {1, 3, 5, 6, 10} | 49. {1, 4, 7, 11, 16} |
| 23. {1, 3, 5, 8, 12} | 50. {1, 4, 8, 12, 13} |
| 24. {1, 3, 5, 10, 12} | 51. {1, 4, 9, 11, 16} |
| 25. {1, 3, 6, 7, 8} | 52. {1, 4, 10, 12, 13} |
| 26. {1, 3, 6, 7, 10} | 53. {1, 5, 6, 8, 13} |
| 27. {1, 3, 6, 8, 9} | 54. {1, 5, 6, 10, 13} |

- | | | | |
|------|---------------------|------|---------------------|
| 55. | {1, 5, 7, 14, 16} | 103. | {2, 4, 5, 9, 13} |
| 56. | {1, 5, 8, 12, 13} | 104. | {2, 4, 5, 9, 15} |
| 57. | {1, 5, 9, 14, 16} | 105. | {2, 4, 6, 7, 11} |
| 58. | {1, 5, 10, 12, 13} | 106. | {2, 4, 6, 9, 11} |
| 59. | {1, 6, 7, 8, 13} | 107. | {2, 4, 7, 8, 11} |
| 60. | {1, 6, 7, 10, 13} | 108. | {2, 4, 7, 10, 11} |
| 61. | {1, 6, 8, 9, 13} | 109. | {2, 4, 7, 11, 12} |
| 62. | {1, 6, 8, 11, 13} | 110. | {2, 4, 7, 11, 13} |
| 63. | {1, 6, 8, 13, 14} | 111. | {2, 4, 7, 11, 15} |
| 64. | {1, 6, 8, 13, 16} | 112. | {2, 4, 8, 9, 11} |
| 65. | {1, 6, 9, 10, 13} | 113. | {2, 4, 9, 10, 11} |
| 66. | {1, 6, 10, 11, 13} | 114. | {2, 4, 9, 11, 12} |
| 67. | {1, 6, 10, 13, 14} | 115. | {2, 4, 9, 11, 13} |
| 68. | {1, 6, 10, 13, 16} | 116. | {2, 4, 9, 11, 15} |
| 69. | {1, 7, 8, 12, 13} | 117. | {2, 5, 6, 7, 14} |
| 70. | {1, 7, 10, 12, 13} | 118. | {2, 5, 6, 9, 14} |
| 71. | {1, 7, 11, 14, 16} | 119. | {2, 5, 7, 8, 14} |
| 72. | {1, 8, 9, 12, 13} | 120. | {2, 5, 7, 10, 14} |
| 73. | {1, 8, 11, 12, 13} | 121. | {2, 5, 7, 12, 14} |
| 74. | {1, 8, 12, 13, 14} | 122. | {2, 5, 7, 13, 14} |
| 75. | {1, 8, 12, 13, 16} | 123. | {2, 5, 7, 14, 15} |
| 76. | {1, 9, 10, 12, 13} | 124. | {2, 5, 8, 9, 14} |
| 77. | {1, 9, 11, 14, 16} | 125. | {2, 5, 9, 10, 14} |
| 78. | {1, 10, 11, 12, 13} | 126. | {2, 5, 9, 12, 14} |
| 79. | {1, 10, 12, 13, 14} | 127. | {2, 5, 9, 13, 14} |
| 80. | {1, 10, 12, 13, 16} | 128. | {2, 5, 9, 14, 15} |
| 81. | {2, 3, 4, 5, 7} | 129. | {2, 6, 7, 11, 14} |
| 82. | {2, 3, 4, 5, 9} | 130. | {2, 6, 8, 13, 15} |
| 83. | {2, 3, 4, 7, 11} | 131. | {2, 6, 9, 11, 14} |
| 84. | {2, 3, 4, 9, 11} | 132. | {2, 6, 10, 13, 15} |
| 85. | {2, 3, 5, 7, 14} | 133. | {2, 7, 8, 11, 14} |
| 86. | {2, 3, 5, 9, 14} | 134. | {2, 7, 10, 11, 14} |
| 87. | {2, 3, 6, 8, 15} | 135. | {2, 7, 11, 12, 14} |
| 88. | {2, 3, 6, 10, 15} | 136. | {2, 7, 11, 13, 14} |
| 89. | {2, 3, 7, 11, 14} | 137. | {2, 7, 11, 14, 15} |
| 90. | {2, 3, 8, 12, 15} | 138. | {2, 8, 9, 11, 14} |
| 91. | {2, 3, 9, 11, 14} | 139. | {2, 8, 12, 13, 15} |
| 92. | {2, 3, 10, 12, 15} | 140. | {2, 9, 10, 11, 14} |
| 93. | {2, 4, 5, 6, 7} | 141. | {2, 9, 11, 12, 14} |
| 94. | {2, 4, 5, 6, 9} | 142. | {2, 9, 11, 13, 14} |
| 95. | {2, 4, 5, 7, 8} | 143. | {2, 9, 11, 14, 15} |
| 96. | {2, 4, 5, 7, 10} | 144. | {2, 10, 12, 13, 15} |
| 97. | {2, 4, 5, 7, 12} | 145. | {3, 4, 5, 7, 16} |
| 98. | {2, 4, 5, 7, 13} | 146. | {3, 4, 5, 9, 16} |
| 99. | {2, 4, 5, 7, 15} | 147. | {3, 4, 6, 8, 15} |
| 100. | {2, 4, 5, 8, 9} | 148. | {3, 4, 6, 10, 15} |
| 101. | {2, 4, 5, 9, 10} | 149. | {3, 4, 7, 11, 16} |
| 102. | {2, 4, 5, 9, 12} | 150. | {3, 4, 8, 12, 15} |

151.	{3, 4, 9, 11, 16}	199.	{4, 7, 11, 12, 16}
152.	{3, 4, 10, 12, 15}	200.	{4, 7, 11, 13, 16}
153.	{3, 5, 6, 8, 15}	201.	{4, 7, 11, 15, 16}
154.	{3, 5, 6, 10, 15}	202.	{4, 8, 9, 11, 16}
155.	{3, 5, 7, 14, 16}	203.	{4, 8, 12, 13, 15}
156.	{3, 5, 8, 12, 15}	204.	{4, 9, 10, 11, 16}
157.	{3, 5, 9, 14, 16}	205.	{4, 9, 11, 12, 16}
158.	{3, 5, 10, 12, 15}	206.	{4, 9, 11, 13, 16}
159.	{3, 6, 7, 8, 15}	207.	{4, 9, 11, 15, 16}
160.	{3, 6, 7, 10, 15}	208.	{4, 10, 12, 13, 15}
161.	{3, 6, 8, 9, 15}	209.	{5, 6, 7, 14, 16}
162.	{3, 6, 8, 11, 15}	210.	{5, 6, 8, 13, 15}
163.	{3, 6, 8, 14, 15}	211.	{5, 6, 9, 14, 16}
164.	{3, 6, 8, 15, 16}	212.	{5, 6, 10, 13, 15}
165.	{3, 6, 9, 10, 15}	213.	{5, 7, 8, 14, 16}
166.	{3, 6, 10, 11, 15}	214.	{5, 7, 10, 14, 16}
167.	{3, 6, 10, 14, 15}	215.	{5, 7, 12, 14, 16}
168.	{3, 6, 10, 15, 16}	216.	{5, 7, 13, 14, 16}
169.	{3, 7, 8, 12, 15}	217.	{5, 7, 14, 15, 16}
170.	{3, 7, 10, 12, 15}	218.	{5, 8, 9, 14, 16}
171.	{3, 7, 11, 14, 16}	219.	{5, 8, 12, 13, 15}
172.	{3, 8, 9, 12, 15}	220.	{5, 9, 10, 14, 16}
173.	{3, 8, 11, 12, 15}	221.	{5, 9, 12, 14, 16}
174.	{3, 8, 12, 14, 15}	222.	{5, 9, 13, 14, 16}
175.	{3, 8, 12, 15, 16}	223.	{5, 9, 14, 15, 16}
176.	{3, 9, 10, 12, 15}	224.	{5, 10, 12, 13, 15}
177.	{3, 9, 11, 14, 16}	225.	{6, 7, 8, 13, 15}
178.	{3, 10, 11, 12, 15}	226.	{6, 7, 10, 13, 15}
179.	{3, 10, 12, 14, 15}	227.	{6, 7, 11, 14, 16}
180.	{3, 10, 12, 15, 16}	228.	{6, 8, 9, 13, 15}
181.	{4, 5, 6, 7, 16}	229.	{6, 8, 11, 13, 15}
182.	{4, 5, 6, 9, 16}	230.	{6, 8, 13, 14, 15}
183.	{4, 5, 7, 8, 16}	231.	{6, 8, 13, 15, 16}
184.	{4, 5, 7, 10, 16}	232.	{6, 9, 10, 13, 15}
185.	{4, 5, 7, 12, 16}	233.	{6, 9, 11, 14, 16}
186.	{4, 5, 7, 13, 16}	234.	{6, 10, 11, 13, 15}
187.	{4, 5, 7, 15, 16}	235.	{6, 10, 13, 14, 15}
188.	{4, 5, 8, 9, 16}	236.	{6, 10, 13, 15, 16}
189.	{4, 5, 9, 10, 16}	237.	{7, 8, 11, 14, 16}
190.	{4, 5, 9, 12, 16}	238.	{7, 8, 12, 13, 15}
191.	{4, 5, 9, 13, 16}	239.	{7, 10, 11, 14, 16}
192.	{4, 5, 9, 15, 16}	240.	{7, 10, 12, 13, 15}
193.	{4, 6, 7, 11, 16}	241.	{7, 11, 12, 14, 16}
194.	{4, 6, 8, 13, 15}	242.	{7, 11, 13, 14, 16}
195.	{4, 6, 9, 11, 16}	243.	{7, 11, 14, 15, 16}
196.	{4, 6, 10, 13, 15}	244.	{8, 9, 11, 14, 16}
197.	{4, 7, 8, 11, 16}	245.	{8, 9, 12, 13, 15}
198.	{4, 7, 10, 11, 16}	246.	{8, 11, 12, 13, 15}

- 247. {8, 12, 13, 14, 15}
- 248. {8, 12, 13, 15, 16}
- 249. {9, 10, 11, 14, 16}
- 250. {9, 10, 12, 13, 15}
- 251. {9, 11, 12, 14, 16}
- 252. {9, 11, 13, 14, 16}
- 253. {9, 11, 14, 15, 16}
- 254. {10, 11, 12, 13, 15}
- 255. {10, 12, 13, 14, 15}
- 256. {10, 12, 13, 15, 16}