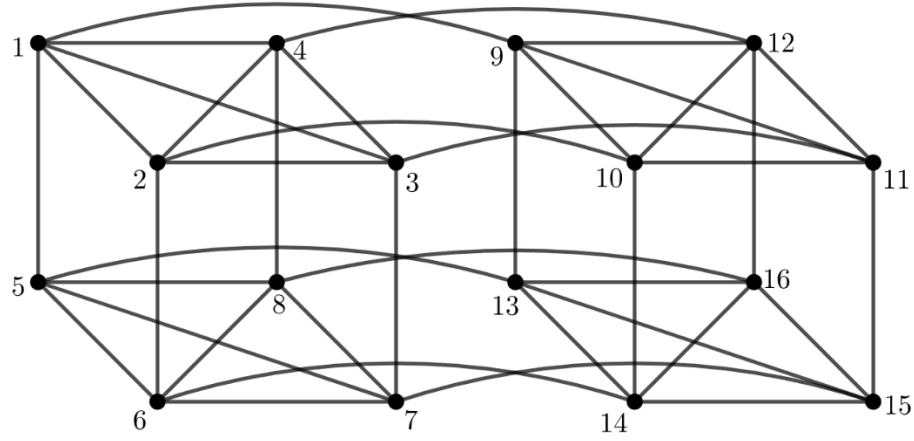


Enhanced Hypercube of dimension four $Q_{4,2}$



1-fault tolerant metric dimension : 4

1DRW index : 96

Extracted 1-fault tolerant metric bases using extended *BIGS* algorithm

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

- 53. {3, 6, 8, 13}
- 54. {3, 6, 9, 16}
- 55. {3, 6, 12, 13}
- 56. {3, 8, 9, 14}
- 57. {3, 8, 10, 13}
- 58. {3, 9, 10, 16}
- 59. {3, 9, 12, 14}
- 60. {3, 10, 12, 13}
- 61. {4, 5, 6, 15}
- 62. {4, 5, 7, 14}
- 63. {4, 5, 10, 15}
- 64. {4, 5, 11, 14}
- 65. {4, 6, 7, 13}
- 66. {4, 6, 9, 15}
- 67. {4, 6, 11, 13}
- 68. {4, 7, 9, 14}
- 69. {4, 7, 10, 13}
- 70. {4, 9, 10, 15}
- 71. {4, 9, 11, 14}
- 72. {4, 10, 11, 13}
- 73. {5, 6, 15, 16}
- 74. {5, 7, 14, 16}
- 75. {5, 8, 14, 15}
- 76. {5, 10, 15, 16}
- 77. {5, 11, 14, 16}
- 78. {5, 12, 14, 15}
- 79. {6, 7, 13, 16}
- 80. {6, 8, 13, 15}
- 81. {6, 9, 15, 16}
- 82. {6, 11, 13, 16}
- 83. {6, 12, 13, 15}
- 84. {7, 8, 13, 14}
- 85. {7, 9, 14, 16}
- 86. {7, 10, 13, 16}
- 87. {7, 12, 13, 14}
- 88. {8, 9, 14, 15}
- 89. {8, 10, 13, 15}
- 90. {8, 11, 13, 14}
- 91. {9, 10, 15, 16}
- 92. {9, 11, 14, 16}
- 93. {9, 12, 14, 15}
- 94. {10, 11, 13, 16}
- 95. {10, 12, 13, 15}
- 96. {11, 12, 13, 14}