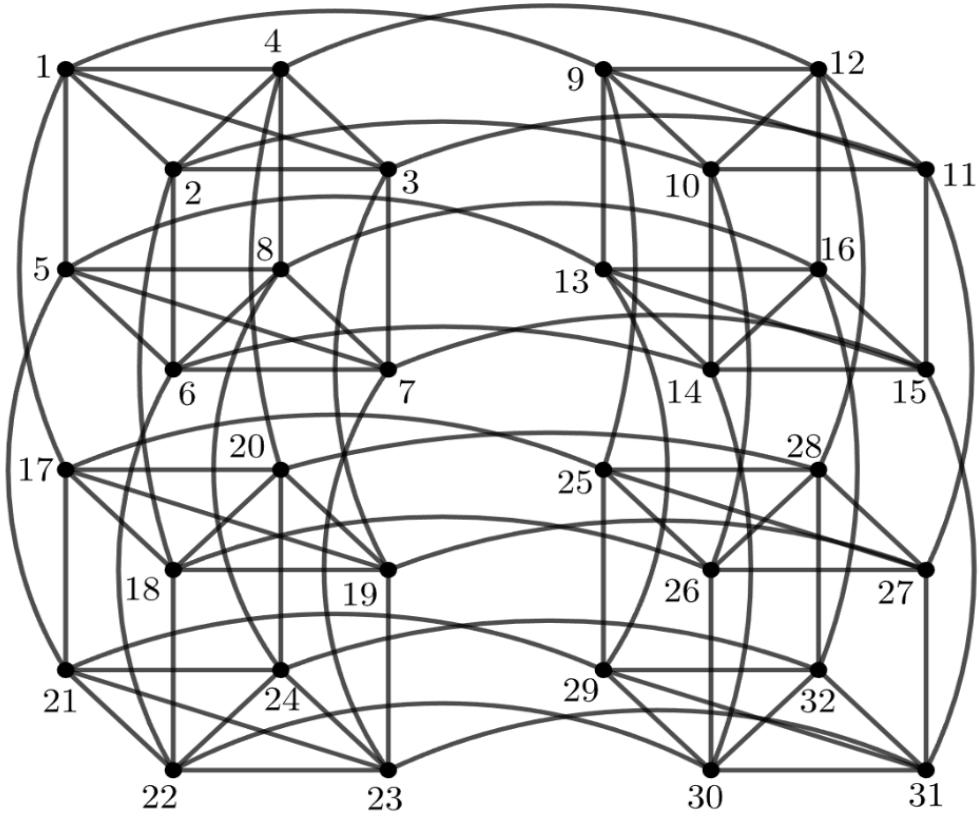


Enhanced Hypercube of dimension five $Q_{5,2}$



1-fault tolerant metric dimension : 4

1DRW index : 384

Extracted 1-fault tolerant metric bases using extended BIGS algorithm

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

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| 49. {2, 5, 11, 16} | 101. {3, 5, 14, 24} | 153. {4, 6, 9, 15} |
| 50. {2, 5, 11, 20} | 102. {3, 5, 16, 22} | 154. {4, 6, 9, 19} |
| 51. {2, 5, 12, 15} | 103. {3, 5, 18, 24} | 155. {4, 6, 11, 13} |
| 52. {2, 5, 12, 19} | 104. {3, 5, 20, 22} | 156. {4, 6, 11, 17} |
| 53. {2, 5, 15, 24} | 105. {3, 6, 9, 16} | 157. {4, 6, 13, 23} |
| 54. {2, 5, 16, 23} | 106. {3, 6, 9, 20} | 158. {4, 6, 15, 21} |
| 55. {2, 5, 19, 24} | 107. {3, 6, 12, 13} | 159. {4, 6, 17, 23} |
| 56. {2, 5, 20, 23} | 108. {3, 6, 12, 17} | 160. {4, 6, 19, 21} |
| 57. {2, 7, 9, 16} | 109. {3, 6, 13, 24} | 161. {4, 7, 9, 14} |
| 58. {2, 7, 9, 20} | 110. {3, 6, 16, 21} | 162. {4, 7, 9, 18} |
| 59. {2, 7, 12, 13} | 111. {3, 6, 17, 24} | 163. {4, 7, 10, 13} |
| 60. {2, 7, 12, 17} | 112. {3, 6, 20, 21} | 164. {4, 7, 10, 17} |
| 61. {2, 7, 13, 24} | 113. {3, 8, 9, 14} | 165. {4, 7, 13, 22} |
| 62. {2, 7, 16, 21} | 114. {3, 8, 9, 18} | 166. {4, 7, 14, 21} |
| 63. {2, 7, 17, 24} | 115. {3, 8, 10, 13} | 167. {4, 7, 17, 22} |
| 64. {2, 7, 20, 21} | 116. {3, 8, 10, 17} | 168. {4, 7, 18, 21} |
| 65. {2, 8, 9, 15} | 117. {3, 8, 13, 22} | 169. {4, 9, 14, 27} |
| 66. {2, 8, 9, 19} | 118. {3, 8, 14, 21} | 170. {4, 9, 15, 26} |
| 67. {2, 8, 11, 13} | 119. {3, 8, 17, 22} | 171. {4, 9, 18, 27} |
| 68. {2, 8, 11, 17} | 120. {3, 8, 18, 21} | 172. {4, 9, 19, 26} |
| 69. {2, 8, 13, 23} | 121. {3, 9, 14, 28} | 173. {4, 10, 13, 27} |
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| 71. {2, 8, 17, 23} | 123. {3, 9, 18, 28} | 175. {4, 10, 17, 27} |
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| 96. {2, 20, 23, 25} | 148. {4, 5, 11, 18} | 200. {5, 11, 20, 30} |
| 97. {3, 5, 10, 16} | 149. {4, 5, 14, 23} | 201. {5, 12, 14, 31} |
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