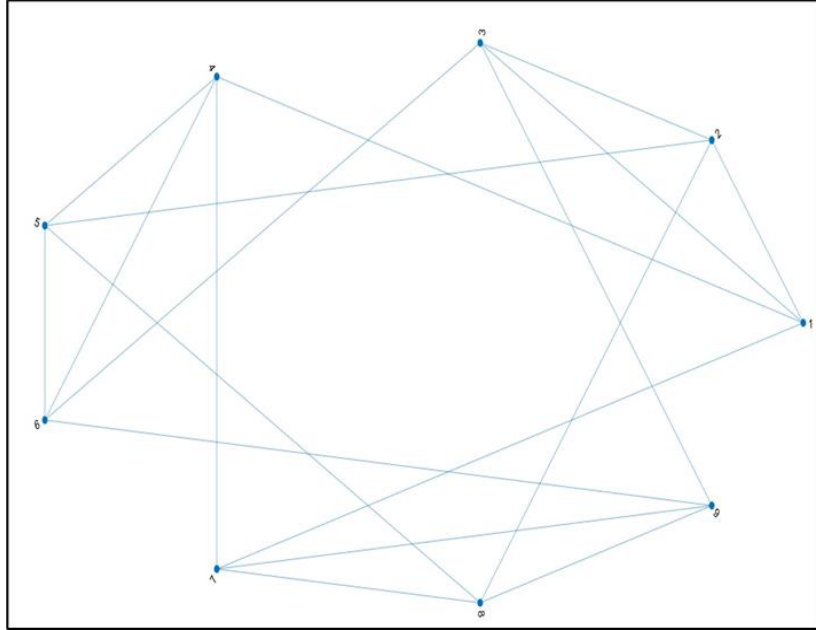


Hamming Graph $H_{2,3}$



Metric dimension - 3

BIGS Index – 72

This part of the research work is presented in the International Conference on Data Engineering and Communication Technology (ICDECT-2024) (Visit: <https://icdect.com/>)

Extracted Metric Bases using BIGS algorithm

- | | |
|---------------|---------------|
| 1. {1, 2, 4} | 17. {1, 5, 6} |
| 2. {1, 2, 5} | 18. {1, 5, 7} |
| 3. {1, 2, 6} | 19. {1, 5, 8} |
| 4. {1, 2, 7} | 20. {1, 6, 7} |
| 5. {1, 2, 8} | 21. {1, 6, 9} |
| 6. {1, 2, 9} | 22. {1, 7, 8} |
| 7. {1, 3, 4} | 23. {1, 7, 9} |
| 8. {1, 3, 5} | 24. {1, 8, 9} |
| 9. {1, 3, 6} | 25. {2, 3, 4} |
| 10. {1, 3, 7} | 26. {2, 3, 5} |
| 11. {1, 3, 8} | 27. {2, 3, 6} |
| 12. {1, 3, 9} | 28. {2, 3, 7} |
| 13. {1, 4, 5} | 29. {2, 3, 8} |
| 14. {1, 4, 6} | 30. {2, 3, 9} |
| 15. {1, 4, 8} | 31. {2, 4, 5} |
| 16. {1, 4, 9} | 32. {2, 4, 6} |

- 33. $\{2, 4, 7\}$
- 34. $\{2, 4, 8\}$
- 35. $\{2, 5, 6\}$
- 36. $\{2, 5, 7\}$
- 37. $\{2, 5, 9\}$
- 38. $\{2, 6, 8\}$
- 39. $\{2, 6, 9\}$
- 40. $\{2, 7, 8\}$
- 41. $\{2, 7, 9\}$
- 42. $\{2, 8, 9\}$
- 43. $\{3, 4, 5\}$
- 44. $\{3, 4, 6\}$
- 45. $\{3, 4, 7\}$
- 46. $\{3, 4, 9\}$
- 47. $\{3, 5, 6\}$
- 48. $\{3, 5, 8\}$
- 49. $\{3, 5, 9\}$
- 50. $\{3, 6, 7\}$
- 51. $\{3, 6, 8\}$
- 52. $\{3, 7, 8\}$
- 53. $\{3, 7, 9\}$
- 54. $\{3, 8, 9\}$
- 55. $\{4, 5, 7\}$
- 56. $\{4, 5, 8\}$
- 57. $\{4, 5, 9\}$
- 58. $\{4, 6, 7\}$
- 59. $\{4, 6, 8\}$
- 60. $\{4, 6, 9\}$
- 61. $\{4, 7, 8\}$
- 62. $\{4, 7, 9\}$
- 63. $\{4, 8, 9\}$
- 64. $\{5, 6, 7\}$
- 65. $\{5, 6, 8\}$
- 66. $\{5, 6, 9\}$
- 67. $\{5, 7, 8\}$
- 68. $\{5, 7, 9\}$
- 69. $\{5, 8, 9\}$
- 70. $\{6, 7, 8\}$
- 71. $\{6, 7, 9\}$
- 72. $\{6, 8, 9\}$