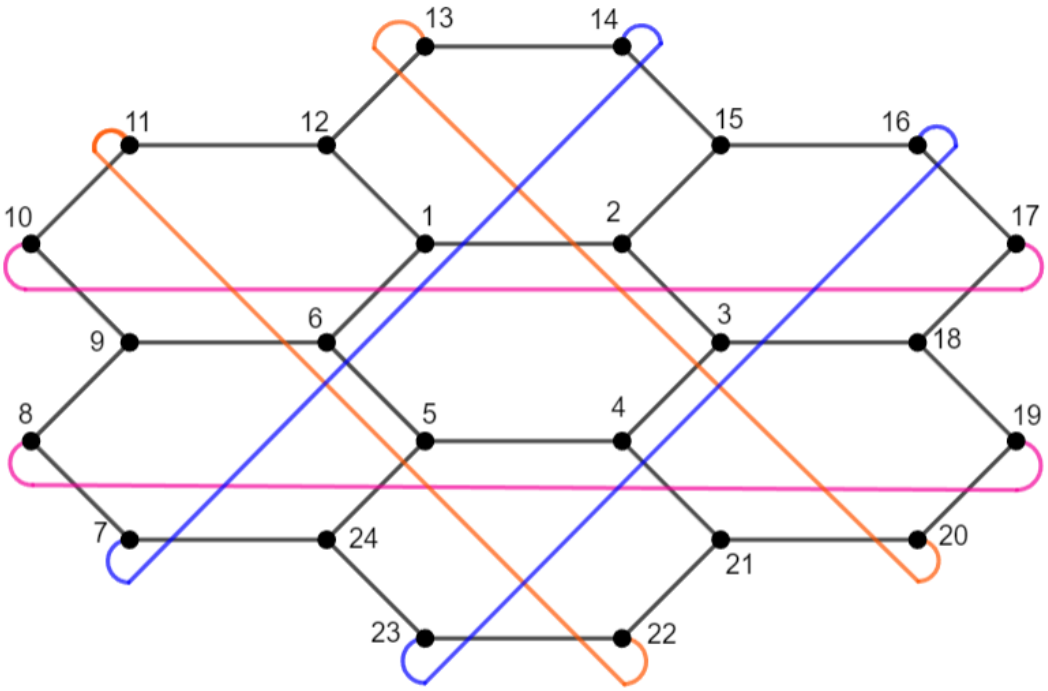
Honeycomb Torus Network of dimension two $HCT(2)$



Metric Dimension - 4

BIGS Index – 36

Visit - https://www.taylorfrancis.com/chapters/edit/10.1201/9781003606611-8/almost-deterministic-algorithm-finding-metric-dimension-bigs-index-honeycomb-torus-networks-bright-libin-raj-simon?context=ubx

Extracted Metric Bases using BIGS algorithm

1. {1, 4, 8, 17}
2. {1, 4, 8, 21}
3. {1, 4, 12, 17}
4. {1, 4, 12, 21}
5. {1, 8, 12, 17}
6. {1, 8, 12, 21}
7. {2, 5, 11, 20}
8. {2, 5, 11, 24}
9. {2, 5, 15, 20}
10. {2, 5, 15, 24}
11. {2, 11, 15, 20}

12. {2, 11, 15, 24}
13. {3, 6, 9, 14}
14. {3, 6, 9, 18}
15. {3, 6, 14, 23}
16. {3, 6, 18, 23}
17. {3, 9, 14, 18}
18. {3, 14, 18, 23}
19. {4, 8, 17, 21}
20. {4, 12, 17, 21}
21. {5, 11, 20, 24}
22. {5, 15, 20, 24}
23. {6, 9, 14, 23}
24. {6, 9, 18, 23}
25. {7, 10, 13, 16}
26. {7, 10, 13, 22}
27. {7, 10, 16, 19}
28. {7, 10, 19, 22}
29. {7, 13, 16, 22}
30. {7, 16, 19, 22}
31. {8, 12, 17, 21}
32. {9, 14, 18, 23}
33. {10, 13, 16, 19}
34. {10, 13, 19, 22}
35. {11, 15, 20, 24}
36. {13, 16, 19, 22}