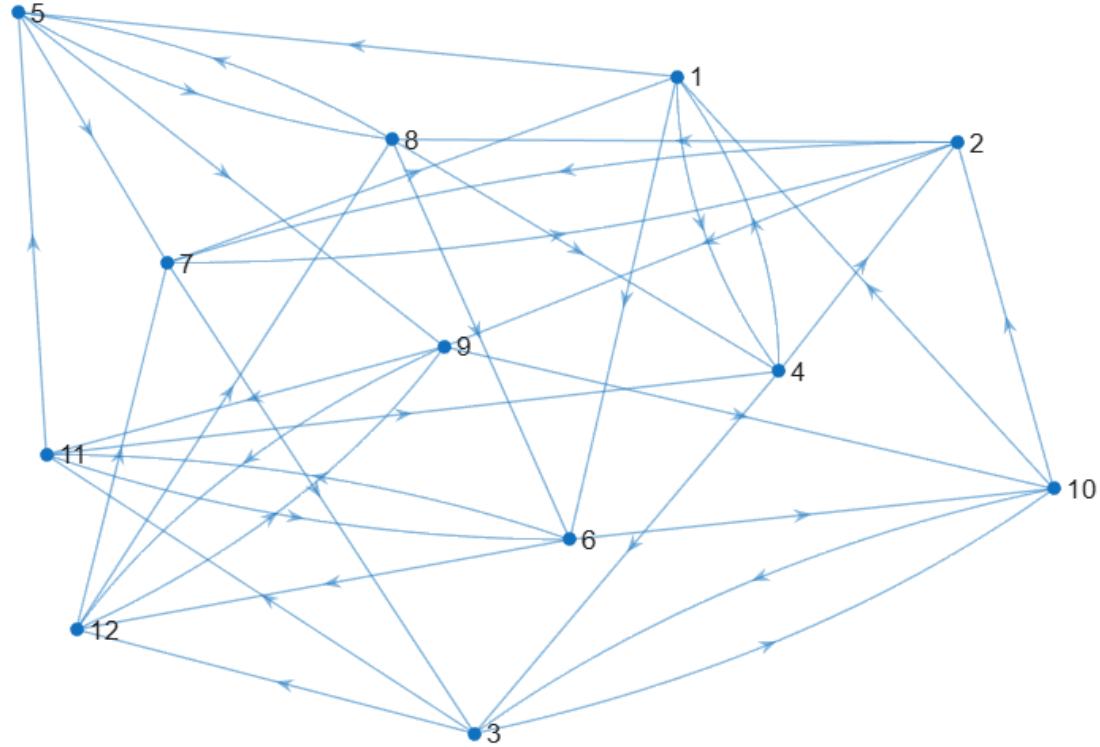


Kautz Graph $K(3,2)$



Metric Dimension - 8

BIGS index - 81

Extracted Metric bases using BIGS Algorithm

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

31. {1, 2, 4, 6, 8, 9, 10, 12}
32. {1, 2, 4, 6, 9, 10, 11, 12}
33. {1, 2, 5, 6, 7, 8, 9, 10}
34. {1, 2, 5, 6, 7, 9, 10, 11}
35. {1, 2, 6, 7, 8, 9, 10, 12}
36. {1, 2, 6, 7, 9, 10, 11, 12}
37. {1, 3, 4, 5, 6, 7, 8, 12}
38. {1, 3, 4, 5, 6, 7, 11, 12}
39. {1, 3, 4, 5, 6, 8, 10, 12}
40. {1, 3, 4, 5, 6, 10, 11, 12}
41. {1, 3, 4, 5, 7, 8, 9, 12}
42. {1, 3, 4, 5, 7, 9, 11, 12}
43. {1, 3, 4, 5, 8, 9, 10, 12}
44. {1, 3, 4, 5, 9, 10, 11, 12}
45. {1, 3, 5, 6, 7, 8, 10, 12}
46. {1, 3, 5, 6, 7, 10, 11, 12}
47. {1, 3, 5, 7, 8, 9, 10, 12}
48. {1, 3, 5, 7, 9, 10, 11, 12}
49. {1, 4, 5, 6, 7, 8, 9, 12}
50. {1, 4, 5, 6, 7, 9, 11, 12}
51. {1, 4, 5, 6, 8, 9, 10, 12}
52. {1, 4, 5, 6, 9, 10, 11, 12}
53. {1, 5, 6, 7, 8, 9, 10, 12}
54. {1, 5, 6, 7, 9, 10, 11, 12}
55. {2, 3, 4, 5, 6, 7, 8, 11}
56. {2, 3, 4, 5, 6, 8, 10, 11}
57. {2, 3, 4, 5, 7, 8, 9, 11}
58. {2, 3, 4, 5, 8, 9, 10, 11}
59. {2, 3, 4, 6, 7, 8, 11, 12}
60. {2, 3, 4, 6, 8, 10, 11, 12}
61. {2, 3, 4, 7, 8, 9, 11, 12}
62. {2, 3, 4, 8, 9, 10, 11, 12}
63. {2, 3, 5, 6, 7, 8, 10, 11}
64. {2, 3, 5, 7, 8, 9, 10, 11}
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66. {2, 3, 7, 8, 9, 10, 11, 12}
67. {2, 4, 5, 6, 7, 8, 9, 11}
68. {2, 4, 5, 6, 8, 9, 10, 11}
69. {2, 4, 6, 7, 8, 9, 11, 12}
70. {2, 4, 6, 8, 9, 10, 11, 12}
71. {2, 5, 6, 7, 8, 9, 10, 11}
72. {2, 6, 7, 8, 9, 10, 11, 12}
73. {3, 4, 5, 6, 7, 8, 11, 12}
74. {3, 4, 5, 6, 8, 10, 11, 12}
75. {3, 4, 5, 7, 8, 9, 11, 12}
76. {3, 4, 5, 8, 9, 10, 11, 12}
77. {3, 5, 6, 7, 8, 10, 11, 12}
78. {3, 5, 7, 8, 9, 10, 11, 12}
79. {4, 5, 6, 7, 8, 9, 11, 12}
80. {4, 5, 6, 8, 9, 10, 11, 12}
81. {5, 6, 7, 8, 9, 10, 11, 12}