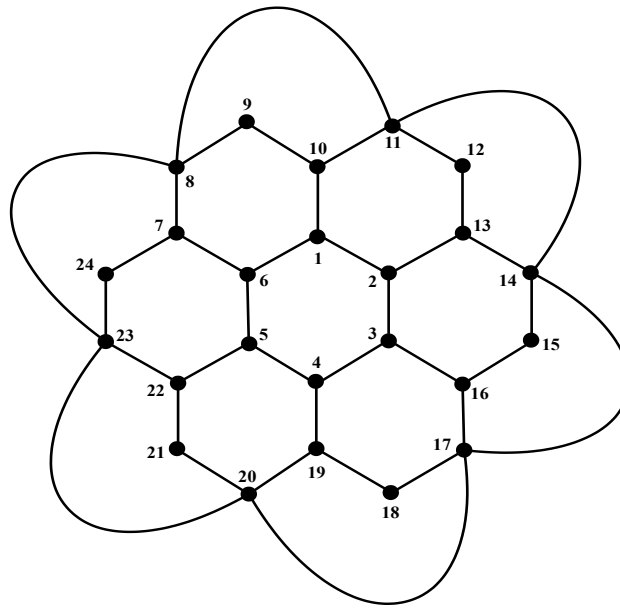


# Fault-tolerant metric bases of $EHC(2)$



Metric dimension – 4

BIGS index - 276

- |                    |                     |
|--------------------|---------------------|
| 1. {1, 3, 7, 15}   | 28. {1, 5, 11, 18}  |
| 2. {1, 3, 9, 15}   | 29. {1, 7, 11, 18}  |
| 3. {1, 3, 14, 24}  | 30. {1, 7, 11, 19}  |
| 4. {1, 3, 15, 24}  | 31. {1, 7, 11, 21}  |
| 5. {1, 3, 16, 24}  | 32. {1, 7, 12, 19}  |
| 6. {1, 3, 17, 24}  | 33. {1, 7, 13, 18}  |
| 7. {1, 4, 7, 15}   | 34. {1, 7, 13, 19}  |
| 8. {1, 4, 8, 15}   | 35. {1, 7, 13, 21}  |
| 9. {1, 4, 9, 15}   | 36. {1, 7, 14, 19}  |
| 10. {1, 4, 12, 22} | 37. {1, 7, 15, 19}  |
| 11. {1, 4, 12, 23} | 38. {1, 9, 11, 21}  |
| 12. {1, 4, 12, 24} | 39. {1, 9, 12, 22}  |
| 13. {1, 4, 13, 21} | 40. {1, 9, 14, 21}  |
| 14. {1, 4, 14, 21} | 41. {1, 9, 14, 22}  |
| 15. {1, 4, 14, 23} | 42. {1, 9, 15, 22}  |
| 16. {1, 4, 14, 24} | 43. {1, 9, 16, 21}  |
| 17. {1, 4, 15, 21} | 44. {1, 9, 16, 22}  |
| 18. {1, 4, 15, 23} | 45. {1, 9, 17, 22}  |
| 19. {1, 4, 15, 24} | 46. {1, 10, 15, 22} |
| 20. {1, 4, 16, 24} | 47. {1, 10, 16, 21} |
| 21. {1, 4, 17, 24} | 48. {1, 10, 16, 22} |
| 22. {1, 4, 18, 24} | 49. {1, 10, 18, 22} |
| 23. {1, 5, 8, 18}  | 50. {1, 11, 18, 24} |
| 24. {1, 5, 9, 18}  | 51. {1, 11, 19, 24} |
| 25. {1, 5, 9, 19}  | 52. {1, 11, 21, 24} |
| 26. {1, 5, 9, 21}  | 53. {1, 12, 19, 24} |
| 27. {1, 5, 10, 18} | 54. {1, 13, 19, 24} |

55.	{1, 14, 19, 24}	103.	{2, 10, 15, 22}
56.	{1, 16, 22, 24}	104.	{2, 10, 16, 21}
57.	{2, 4, 9, 17}	105.	{2, 10, 16, 22}
58.	{2, 4, 9, 18}	106.	{2, 10, 16, 24}
59.	{2, 4, 9, 19}	107.	{2, 10, 17, 22}
60.	{2, 4, 9, 20}	108.	{2, 10, 18, 22}
61.	{2, 4, 10, 18}	109.	{2, 12, 14, 24}
62.	{2, 4, 12, 18}	110.	{2, 12, 17, 24}
63.	{2, 5, 7, 15}	111.	{2, 12, 19, 24}
64.	{2, 5, 8, 15}	112.	{2, 13, 19, 24}
65.	{2, 5, 8, 17}	113.	{3, 5, 12, 20}
66.	{2, 5, 8, 18}	114.	{3, 5, 12, 21}
67.	{2, 5, 9, 15}	115.	{3, 5, 12, 22}
68.	{2, 5, 9, 17}	116.	{3, 5, 12, 23}
69.	{2, 5, 9, 18}	117.	{3, 5, 13, 21}
70.	{2, 5, 9, 19}	118.	{3, 5, 15, 21}
71.	{2, 5, 9, 20}	119.	{3, 6, 9, 19}
72.	{2, 5, 9, 21}	120.	{3, 6, 9, 20}
73.	{2, 5, 10, 18}	121.	{3, 6, 9, 21}
74.	{2, 5, 11, 18}	122.	{3, 6, 10, 18}
75.	{2, 5, 12, 18}	123.	{3, 6, 11, 18}
76.	{2, 5, 16, 24}	124.	{3, 6, 11, 20}
77.	{2, 5, 17, 24}	125.	{3, 6, 11, 21}
78.	{2, 5, 18, 24}	126.	{3, 6, 12, 18}
79.	{2, 6, 11, 21}	127.	{3, 6, 12, 20}
80.	{2, 6, 12, 21}	128.	{3, 6, 12, 21}
81.	{2, 6, 12, 22}	129.	{3, 6, 12, 22}
82.	{2, 6, 12, 24}	130.	{3, 6, 12, 23}
83.	{2, 6, 13, 21}	131.	{3, 6, 12, 24}
84.	{2, 6, 14, 21}	132.	{3, 6, 13, 21}
85.	{2, 7, 9, 19}	133.	{3, 6, 14, 21}
86.	{2, 7, 12, 15}	134.	{3, 6, 15, 21}
87.	{2, 7, 12, 17}	135.	{3, 7, 12, 17}
88.	{2, 7, 12, 18}	136.	{3, 7, 12, 18}
89.	{2, 7, 12, 19}	137.	{3, 7, 12, 19}
90.	{2, 7, 12, 20}	138.	{3, 7, 12, 20}
91.	{2, 7, 13, 18}	139.	{3, 7, 13, 17}
92.	{2, 7, 13, 19}	140.	{3, 7, 13, 18}
93.	{2, 7, 13, 21}	141.	{3, 7, 13, 19}
94.	{2, 9, 14, 21}	142.	{3, 7, 13, 20}
95.	{2, 9, 14, 22}	143.	{3, 7, 13, 21}
96.	{2, 9, 14, 24}	144.	{3, 9, 12, 17}
97.	{2, 9, 15, 22}	145.	{3, 9, 13, 17}
98.	{2, 9, 16, 22}	146.	{3, 9, 13, 19}
99.	{2, 9, 17, 22}	147.	{3, 9, 15, 17}
100.	{2, 10, 14, 21}	148.	{3, 9, 15, 20}
101.	{2, 10, 14, 22}	149.	{3, 9, 15, 22}
102.	{2, 10, 14, 24}	150.	{3, 9, 16, 22}

151.	{3, 10, 12, 22}	199.	{5, 7, 13, 19}
152.	{3, 10, 15, 18}	200.	{5, 7, 15, 19}
153.	{3, 10, 15, 20}	201.	{5, 8, 13, 18}
154.	{3, 10, 15, 21}	202.	{5, 8, 13, 19}
155.	{3, 10, 15, 22}	203.	{5, 8, 15, 21}
156.	{3, 10, 15, 23}	204.	{5, 8, 16, 21}
157.	{3, 10, 16, 21}	205.	{5, 9, 13, 19}
158.	{3, 10, 16, 22}	206.	{5, 9, 16, 21}
159.	{3, 10, 16, 24}	207.	{5, 9, 16, 22}
160.	{3, 12, 17, 24}	208.	{5, 10, 15, 21}
161.	{3, 13, 17, 24}	209.	{5, 10, 15, 22}
162.	{3, 13, 19, 24}	210.	{5, 10, 16, 18}
163.	{4, 6, 7, 15}	211.	{5, 10, 16, 21}
164.	{4, 6, 8, 15}	212.	{5, 10, 16, 22}
165.	{4, 6, 15, 23}	213.	{5, 11, 16, 21}
166.	{4, 6, 15, 24}	214.	{5, 12, 16, 22}
167.	{4, 6, 16, 24}	215.	{5, 12, 18, 23}
168.	{4, 6, 18, 24}	216.	{5, 12, 19, 23}
169.	{4, 7, 12, 18}	217.	{5, 13, 18, 23}
170.	{4, 7, 12, 19}	218.	{5, 13, 18, 24}
171.	{4, 7, 13, 15}	219.	{5, 13, 19, 23}
172.	{4, 7, 13, 18}	220.	{5, 13, 19, 24}
173.	{4, 7, 13, 19}	221.	{5, 15, 18, 23}
174.	{4, 8, 13, 18}	222.	{5, 15, 19, 23}
175.	{4, 9, 13, 19}	223.	{5, 15, 21, 23}
176.	{4, 9, 15, 20}	224.	{5, 16, 21, 24}
177.	{4, 9, 16, 20}	225.	{6, 7, 12, 19}
178.	{4, 9, 16, 22}	226.	{6, 7, 13, 18}
179.	{4, 10, 15, 20}	227.	{6, 7, 13, 19}
180.	{4, 10, 15, 21}	228.	{6, 7, 15, 19}
181.	{4, 10, 15, 22}	229.	{6, 8, 15, 21}
182.	{4, 10, 15, 23}	230.	{6, 8, 15, 22}
183.	{4, 10, 16, 20}	231.	{6, 8, 16, 21}
184.	{4, 10, 16, 21}	232.	{6, 8, 16, 22}
185.	{4, 10, 16, 22}	233.	{6, 8, 18, 21}
186.	{4, 10, 16, 23}	234.	{6, 8, 18, 22}
187.	{4, 10, 16, 24}	235.	{6, 8, 18, 24}
188.	{4, 12, 15, 20}	236.	{6, 9, 16, 21}
189.	{4, 12, 16, 20}	237.	{6, 9, 16, 22}
190.	{4, 12, 16, 22}	238.	{6, 9, 19, 24}
191.	{4, 12, 18, 20}	239.	{6, 10, 15, 22}
192.	{4, 12, 18, 23}	240.	{6, 10, 16, 21}
193.	{4, 13, 18, 21}	241.	{6, 10, 16, 22}
194.	{4, 13, 18, 23}	242.	{6, 10, 18, 22}
195.	{4, 13, 18, 24}	243.	{6, 11, 16, 21}
196.	{4, 13, 19, 24}	244.	{6, 11, 16, 22}
197.	{5, 7, 12, 19}	245.	{6, 11, 18, 24}
198.	{5, 7, 13, 18}	246.	{6, 11, 19, 24}

- 247. {6, 12, 16, 22}
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- 274. {10, 16, 22, 23}
- 275. {13, 14, 19, 24}
- 276. {13, 17, 19, 24}