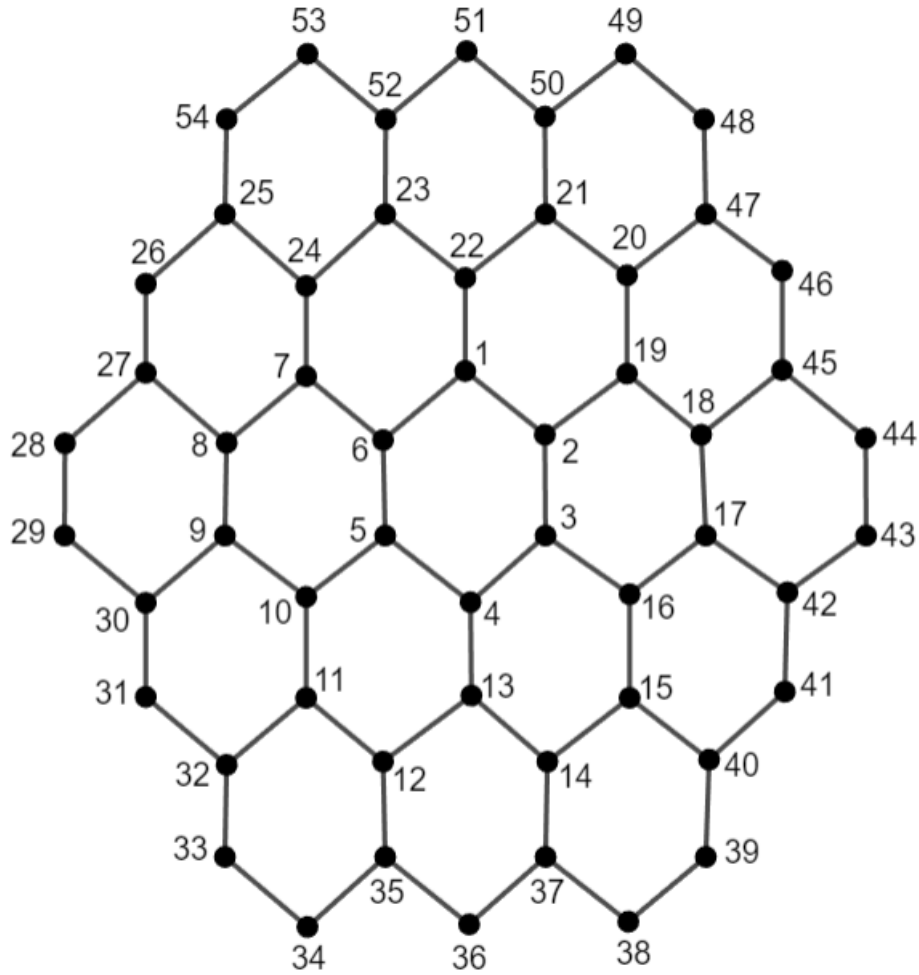


Honeycomb network of dimension three $HC(3)$



Metric dimension - 3

BIGS Index – 2864

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, 26, 36} | 8. {1, 29, 43} | 15. {1, 34, 43} |
| 2. {1, 26, 46} | 9. {1, 31, 41} | 16. {1, 34, 44} |
| 3. {1, 28, 38} | 10. {1, 31, 51} | 17. {1, 34, 48} |
| 4. {1, 28, 39} | 11. {1, 33, 43} | 18. {1, 36, 46} |
| 5. {1, 28, 49} | 12. {1, 33, 44} | 19. {1, 38, 54} |
| 6. {1, 29, 38} | 13. {1, 33, 53} | 20. {1, 39, 48} |
| 7. {1, 29, 39} | 14. {1, 33, 54} | 21. {1, 39, 49} |

- | | | |
|-----------------|------------------|------------------|
| 22. {1, 41, 51} | 69. {3, 44, 53} | 116. {6, 26, 36} |
| 23. {1, 44, 53} | 70. {4, 26, 36} | 117. {6, 26, 46} |
| 24. {2, 26, 36} | 71. {4, 26, 46} | 118. {6, 28, 38} |
| 25. {2, 26, 46} | 72. {4, 28, 44} | 119. {6, 28, 49} |
| 26. {2, 28, 38} | 73. {4, 28, 48} | 120. {6, 29, 38} |
| 27. {2, 28, 39} | 74. {4, 28, 49} | 121. {6, 29, 43} |
| 28. {2, 28, 48} | 75. {4, 29, 38} | 122. {6, 31, 41} |
| 29. {2, 28, 49} | 76. {4, 29, 48} | 123. {6, 31, 51} |
| 30. {2, 29, 38} | 77. {4, 29, 49} | 124. {6, 33, 43} |
| 31. {2, 29, 39} | 78. {4, 31, 41} | 125. {6, 33, 44} |
| 32. {2, 29, 43} | 79. {4, 31, 51} | 126. {6, 33, 54} |
| 33. {2, 31, 41} | 80. {4, 33, 49} | 127. {6, 34, 43} |
| 34. {2, 31, 51} | 81. {4, 33, 54} | 128. {6, 34, 44} |
| 35. {2, 33, 49} | 82. {4, 34, 43} | 129. {6, 34, 48} |
| 36. {2, 33, 53} | 83. {4, 34, 54} | 130. {6, 36, 46} |
| 37. {2, 33, 54} | 84. {4, 36, 46} | 131. {6, 38, 48} |
| 38. {2, 34, 43} | 85. {4, 38, 48} | 132. {6, 38, 49} |
| 39. {2, 34, 44} | 86. {4, 39, 48} | 133. {6, 39, 48} |
| 40. {2, 34, 53} | 87. {4, 39, 53} | 134. {6, 39, 49} |
| 41. {2, 34, 54} | 88. {4, 41, 51} | 135. {6, 39, 53} |
| 42. {2, 36, 46} | 89. {4, 43, 53} | 136. {6, 41, 51} |
| 43. {2, 38, 54} | 90. {4, 43, 54} | 137. {6, 44, 53} |
| 44. {2, 39, 48} | 91. {4, 44, 53} | 138. {6, 44, 54} |
| 45. {2, 41, 51} | 92. {4, 44, 54} | 139. {7, 26, 36} |
| 46. {2, 44, 53} | 93. {5, 26, 36} | 140. {7, 26, 46} |
| 47. {3, 26, 36} | 94. {5, 26, 46} | 141. {7, 28, 38} |
| 48. {3, 26, 46} | 95. {5, 28, 44} | 142. {7, 29, 38} |
| 49. {3, 28, 44} | 96. {5, 28, 49} | 143. {7, 29, 43} |
| 50. {3, 28, 48} | 97. {5, 29, 38} | 144. {7, 31, 41} |
| 51. {3, 28, 49} | 98. {5, 29, 49} | 145. {7, 31, 42} |
| 52. {3, 29, 38} | 99. {5, 31, 41} | 146. {7, 31, 43} |
| 53. {3, 29, 39} | 100. {5, 31, 51} | 147. {7, 31, 44} |
| 54. {3, 29, 48} | 101. {5, 33, 43} | 148. {7, 32, 41} |
| 55. {3, 29, 49} | 102. {5, 33, 54} | 149. {7, 32, 42} |
| 56. {3, 31, 41} | 103. {5, 34, 43} | 150. {7, 32, 43} |
| 57. {3, 31, 51} | 104. {5, 34, 48} | 151. {7, 32, 44} |
| 58. {3, 33, 49} | 105. {5, 36, 46} | 152. {7, 32, 49} |
| 59. {3, 33, 53} | 106. {5, 38, 48} | 153. {7, 32, 50} |
| 60. {3, 33, 54} | 107. {5, 38, 49} | 154. {7, 33, 41} |
| 61. {3, 34, 43} | 108. {5, 39, 48} | 155. {7, 33, 42} |
| 62. {3, 34, 53} | 109. {5, 39, 49} | 156. {7, 33, 43} |
| 63. {3, 34, 54} | 110. {5, 39, 53} | 157. {7, 33, 44} |
| 64. {3, 36, 46} | 111. {5, 41, 51} | 158. {7, 33, 49} |
| 65. {3, 38, 54} | 112. {5, 43, 53} | 159. {7, 33, 50} |
| 66. {3, 39, 48} | 113. {5, 43, 54} | 160. {7, 34, 41} |
| 67. {3, 41, 51} | 114. {5, 44, 53} | 161. {7, 34, 42} |
| 68. {3, 43, 53} | 115. {5, 44, 54} | 162. {7, 34, 43} |

163.	{7, 34, 44}	210.	{8, 21, 39}	257.	{8, 38, 47}
164.	{7, 34, 48}	211.	{8, 21, 40}	258.	{8, 38, 48}
165.	{7, 36, 46}	212.	{8, 21, 41}	259.	{8, 38, 49}
166.	{7, 38, 48}	213.	{8, 25, 37}	260.	{8, 38, 50}
167.	{7, 38, 49}	214.	{8, 25, 38}	261.	{8, 38, 51}
168.	{7, 38, 50}	215.	{8, 25, 44}	262.	{8, 38, 54}
169.	{7, 38, 51}	216.	{8, 25, 45}	263.	{8, 39, 46}
170.	{7, 39, 48}	217.	{8, 25, 46}	264.	{8, 39, 47}
171.	{7, 39, 49}	218.	{8, 26, 44}	265.	{8, 39, 48}
172.	{7, 39, 50}	219.	{8, 26, 45}	266.	{8, 39, 49}
173.	{7, 39, 51}	220.	{8, 26, 46}	267.	{8, 39, 50}
174.	{7, 39, 53}	221.	{8, 29, 43}	268.	{8, 39, 51}
175.	{7, 40, 48}	222.	{8, 31, 41}	269.	{8, 39, 53}
176.	{7, 40, 49}	223.	{8, 31, 42}	270.	{8, 40, 46}
177.	{7, 40, 50}	224.	{8, 31, 43}	271.	{8, 40, 47}
178.	{7, 40, 51}	225.	{8, 31, 44}	272.	{8, 40, 48}
179.	{7, 41, 48}	226.	{8, 32, 41}	273.	{8, 40, 49}
180.	{7, 41, 49}	227.	{8, 32, 42}	274.	{8, 40, 50}
181.	{7, 41, 50}	228.	{8, 32, 43}	275.	{8, 40, 51}
182.	{7, 41, 51}	229.	{8, 32, 44}	276.	{8, 41, 46}
183.	{7, 44, 53}	230.	{8, 32, 49}	277.	{8, 41, 47}
184.	{7, 44, 54}	231.	{8, 32, 50}	278.	{8, 41, 48}
185.	{8, 14, 20}	232.	{8, 33, 41}	279.	{8, 41, 49}
186.	{8, 14, 21}	233.	{8, 33, 42}	280.	{8, 41, 50}
187.	{8, 14, 46}	234.	{8, 33, 43}	281.	{8, 41, 51}
188.	{8, 14, 47}	235.	{8, 33, 44}	282.	{8, 44, 53}
189.	{8, 14, 48}	236.	{8, 33, 49}	283.	{8, 44, 54}
190.	{8, 14, 49}	237.	{8, 33, 50}	284.	{8, 45, 53}
191.	{8, 14, 50}	238.	{8, 34, 41}	285.	{8, 45, 54}
192.	{8, 14, 51}	239.	{8, 34, 42}	286.	{8, 46, 53}
193.	{8, 15, 20}	240.	{8, 34, 43}	287.	{8, 46, 54}
194.	{8, 15, 21}	241.	{8, 34, 44}	288.	{9, 14, 20}
195.	{8, 15, 46}	242.	{8, 34, 48}	289.	{9, 14, 21}
196.	{8, 15, 47}	243.	{8, 36, 46}	290.	{9, 14, 46}
197.	{8, 15, 48}	244.	{8, 36, 47}	291.	{9, 14, 47}
198.	{8, 15, 49}	245.	{8, 36, 48}	292.	{9, 14, 48}
199.	{8, 15, 50}	246.	{8, 36, 49}	293.	{9, 14, 49}
200.	{8, 15, 51}	247.	{8, 36, 50}	294.	{9, 14, 50}
201.	{8, 20, 36}	248.	{8, 36, 51}	295.	{9, 14, 51}
202.	{8, 20, 37}	249.	{8, 37, 46}	296.	{9, 15, 20}
203.	{8, 20, 38}	250.	{8, 37, 47}	297.	{9, 15, 21}
204.	{8, 20, 39}	251.	{8, 37, 48}	298.	{9, 15, 46}
205.	{8, 20, 40}	252.	{8, 37, 49}	299.	{9, 15, 47}
206.	{8, 20, 41}	253.	{8, 37, 50}	300.	{9, 15, 48}
207.	{8, 21, 36}	254.	{8, 37, 51}	301.	{9, 15, 49}
208.	{8, 21, 37}	255.	{8, 37, 54}	302.	{9, 15, 50}
209.	{8, 21, 38}	256.	{8, 38, 46}	303.	{9, 15, 51}

304.	{9, 20, 36}	351.	{9, 37, 47}	398.	{10, 26, 44}
305.	{9, 20, 37}	352.	{9, 37, 48}	399.	{10, 26, 45}
306.	{9, 20, 38}	353.	{9, 37, 49}	400.	{10, 26, 46}
307.	{9, 20, 39}	354.	{9, 37, 50}	401.	{10, 28, 44}
308.	{9, 20, 40}	355.	{9, 37, 51}	402.	{10, 28, 49}
309.	{9, 20, 41}	356.	{9, 37, 54}	403.	{10, 29, 49}
310.	{9, 21, 36}	357.	{9, 38, 46}	404.	{10, 31, 41}
311.	{9, 21, 37}	358.	{9, 38, 47}	405.	{10, 31, 51}
312.	{9, 21, 38}	359.	{9, 38, 48}	406.	{10, 33, 43}
313.	{9, 21, 39}	360.	{9, 38, 49}	407.	{10, 34, 43}
314.	{9, 21, 40}	361.	{9, 38, 50}	408.	{10, 34, 48}
315.	{9, 21, 41}	362.	{9, 38, 51}	409.	{10, 36, 46}
316.	{9, 25, 37}	363.	{9, 38, 54}	410.	{10, 36, 47}
317.	{9, 25, 38}	364.	{9, 39, 46}	411.	{10, 36, 48}
318.	{9, 25, 43}	365.	{9, 39, 47}	412.	{10, 36, 49}
319.	{9, 25, 44}	366.	{9, 39, 48}	413.	{10, 37, 46}
320.	{9, 25, 45}	367.	{9, 39, 49}	414.	{10, 37, 47}
321.	{9, 25, 46}	368.	{9, 39, 50}	415.	{10, 37, 48}
322.	{9, 26, 43}	369.	{9, 39, 51}	416.	{10, 37, 49}
323.	{9, 26, 44}	370.	{9, 39, 53}	417.	{10, 37, 54}
324.	{9, 26, 45}	371.	{9, 40, 46}	418.	{10, 38, 46}
325.	{9, 26, 46}	372.	{9, 40, 47}	419.	{10, 38, 47}
326.	{9, 28, 44}	373.	{9, 40, 48}	420.	{10, 38, 48}
327.	{9, 31, 41}	374.	{9, 40, 49}	421.	{10, 38, 49}
328.	{9, 31, 42}	375.	{9, 40, 50}	422.	{10, 38, 54}
329.	{9, 31, 43}	376.	{9, 40, 51}	423.	{10, 39, 46}
330.	{9, 32, 41}	377.	{9, 41, 46}	424.	{10, 39, 47}
331.	{9, 32, 42}	378.	{9, 41, 47}	425.	{10, 39, 48}
332.	{9, 32, 43}	379.	{9, 41, 48}	426.	{10, 39, 49}
333.	{9, 32, 49}	380.	{9, 41, 49}	427.	{10, 39, 53}
334.	{9, 32, 50}	381.	{9, 41, 50}	428.	{10, 41, 51}
335.	{9, 33, 41}	382.	{9, 41, 51}	429.	{10, 43, 53}
336.	{9, 33, 42}	383.	{9, 43, 53}	430.	{10, 43, 54}
337.	{9, 33, 43}	384.	{9, 43, 54}	431.	{10, 44, 53}
338.	{9, 33, 49}	385.	{9, 44, 53}	432.	{10, 44, 54}
339.	{9, 33, 50}	386.	{9, 44, 54}	433.	{10, 45, 53}
340.	{9, 34, 41}	387.	{9, 45, 53}	434.	{10, 45, 54}
341.	{9, 34, 42}	388.	{9, 45, 54}	435.	{10, 46, 53}
342.	{9, 34, 43}	389.	{9, 46, 53}	436.	{10, 46, 54}
343.	{9, 34, 48}	390.	{9, 46, 54}	437.	{11, 17, 23}
344.	{9, 36, 46}	391.	{10, 25, 37}	438.	{11, 17, 24}
345.	{9, 36, 47}	392.	{10, 25, 38}	439.	{11, 17, 25}
346.	{9, 36, 48}	393.	{10, 25, 43}	440.	{11, 17, 26}
347.	{9, 36, 49}	394.	{10, 25, 44}	441.	{11, 17, 51}
348.	{9, 36, 50}	395.	{10, 25, 45}	442.	{11, 17, 52}
349.	{9, 36, 51}	396.	{10, 25, 46}	443.	{11, 17, 53}
350.	{9, 37, 46}	397.	{10, 26, 43}	444.	{11, 17, 54}

445.	{11, 18, 23}	492.	{11, 30, 51}	539.	{11, 46, 54}
446.	{11, 18, 24}	493.	{11, 31, 49}	540.	{12, 17, 23}
447.	{11, 18, 25}	494.	{11, 31, 50}	541.	{12, 17, 24}
448.	{11, 18, 26}	495.	{11, 31, 51}	542.	{12, 17, 25}
449.	{11, 18, 51}	496.	{11, 34, 48}	543.	{12, 17, 26}
450.	{11, 18, 52}	497.	{11, 36, 46}	544.	{12, 17, 51}
451.	{11, 18, 53}	498.	{11, 36, 47}	545.	{12, 17, 52}
452.	{11, 18, 54}	499.	{11, 36, 48}	546.	{12, 17, 53}
453.	{11, 23, 41}	500.	{11, 36, 49}	547.	{12, 17, 54}
454.	{11, 23, 42}	501.	{11, 37, 46}	548.	{12, 18, 23}
455.	{11, 23, 43}	502.	{11, 37, 47}	549.	{12, 18, 24}
456.	{11, 23, 44}	503.	{11, 37, 48}	550.	{12, 18, 25}
457.	{11, 23, 45}	504.	{11, 37, 49}	551.	{12, 18, 26}
458.	{11, 23, 46}	505.	{11, 37, 54}	552.	{12, 18, 51}
459.	{11, 24, 41}	506.	{11, 38, 46}	553.	{12, 18, 52}
460.	{11, 24, 42}	507.	{11, 38, 47}	554.	{12, 18, 53}
461.	{11, 24, 43}	508.	{11, 38, 48}	555.	{12, 18, 54}
462.	{11, 24, 44}	509.	{11, 38, 49}	556.	{12, 23, 41}
463.	{11, 24, 45}	510.	{11, 38, 54}	557.	{12, 23, 42}
464.	{11, 24, 46}	511.	{11, 39, 46}	558.	{12, 23, 43}
465.	{11, 25, 37}	512.	{11, 39, 47}	559.	{12, 23, 44}
466.	{11, 25, 38}	513.	{11, 39, 48}	560.	{12, 23, 45}
467.	{11, 25, 41}	514.	{11, 39, 49}	561.	{12, 23, 46}
468.	{11, 25, 42}	515.	{11, 39, 53}	562.	{12, 24, 41}
469.	{11, 25, 43}	516.	{11, 41, 51}	563.	{12, 24, 42}
470.	{11, 25, 44}	517.	{11, 41, 52}	564.	{12, 24, 43}
471.	{11, 25, 45}	518.	{11, 41, 53}	565.	{12, 24, 44}
472.	{11, 25, 46}	519.	{11, 41, 54}	566.	{12, 24, 45}
473.	{11, 26, 41}	520.	{11, 42, 51}	567.	{12, 24, 46}
474.	{11, 26, 42}	521.	{11, 42, 52}	568.	{12, 25, 37}
475.	{11, 26, 43}	522.	{11, 42, 53}	569.	{12, 25, 38}
476.	{11, 26, 44}	523.	{11, 42, 54}	570.	{12, 25, 41}
477.	{11, 26, 45}	524.	{11, 43, 51}	571.	{12, 25, 42}
478.	{11, 26, 46}	525.	{11, 43, 52}	572.	{12, 25, 43}
479.	{11, 28, 44}	526.	{11, 43, 53}	573.	{12, 25, 44}
480.	{11, 28, 49}	527.	{11, 43, 54}	574.	{12, 25, 45}
481.	{11, 28, 50}	528.	{11, 44, 51}	575.	{12, 25, 46}
482.	{11, 28, 51}	529.	{11, 44, 52}	576.	{12, 26, 41}
483.	{11, 29, 42}	530.	{11, 44, 53}	577.	{12, 26, 42}
484.	{11, 29, 43}	531.	{11, 44, 54}	578.	{12, 26, 43}
485.	{11, 29, 49}	532.	{11, 45, 51}	579.	{12, 26, 44}
486.	{11, 29, 50}	533.	{11, 45, 52}	580.	{12, 26, 45}
487.	{11, 29, 51}	534.	{11, 45, 53}	581.	{12, 26, 46}
488.	{11, 30, 42}	535.	{11, 45, 54}	582.	{12, 28, 44}
489.	{11, 30, 43}	536.	{11, 46, 51}	583.	{12, 28, 48}
490.	{11, 30, 49}	537.	{11, 46, 52}	584.	{12, 28, 49}
491.	{11, 30, 50}	538.	{11, 46, 53}	585.	{12, 28, 50}

586.	{12, 28, 51}	633.	{12, 44, 53}	680.	{13, 42, 54}
587.	{12, 29, 42}	634.	{12, 44, 54}	681.	{13, 43, 51}
588.	{12, 29, 43}	635.	{12, 45, 51}	682.	{13, 43, 52}
589.	{12, 29, 48}	636.	{12, 45, 52}	683.	{13, 43, 53}
590.	{12, 29, 49}	637.	{12, 45, 53}	684.	{13, 43, 54}
591.	{12, 29, 50}	638.	{12, 45, 54}	685.	{13, 44, 51}
592.	{12, 29, 51}	639.	{12, 46, 51}	686.	{13, 44, 52}
593.	{12, 30, 42}	640.	{12, 46, 52}	687.	{13, 44, 53}
594.	{12, 30, 43}	641.	{12, 46, 53}	688.	{13, 44, 54}
595.	{12, 30, 48}	642.	{12, 46, 54}	689.	{14, 20, 26}
596.	{12, 30, 49}	643.	{13, 26, 36}	690.	{14, 20, 27}
597.	{12, 30, 50}	644.	{13, 26, 46}	691.	{14, 20, 28}
598.	{12, 30, 51}	645.	{13, 28, 44}	692.	{14, 20, 29}
599.	{12, 31, 48}	646.	{13, 28, 48}	693.	{14, 20, 30}
600.	{12, 31, 49}	647.	{13, 28, 49}	694.	{14, 20, 31}
601.	{12, 31, 50}	648.	{13, 28, 50}	695.	{14, 21, 26}
602.	{12, 31, 51}	649.	{13, 28, 51}	696.	{14, 21, 27}
603.	{12, 33, 49}	650.	{13, 29, 42}	697.	{14, 21, 28}
604.	{12, 36, 46}	651.	{13, 29, 43}	698.	{14, 21, 29}
605.	{12, 36, 47}	652.	{13, 29, 48}	699.	{14, 21, 30}
606.	{12, 36, 48}	653.	{13, 29, 49}	700.	{14, 21, 31}
607.	{12, 37, 46}	654.	{13, 29, 50}	701.	{14, 25, 33}
608.	{12, 37, 47}	655.	{13, 29, 51}	702.	{14, 25, 34}
609.	{12, 37, 48}	656.	{13, 30, 42}	703.	{14, 25, 35}
610.	{12, 37, 54}	657.	{13, 30, 43}	704.	{14, 25, 36}
611.	{12, 38, 46}	658.	{13, 30, 48}	705.	{14, 26, 33}
612.	{12, 38, 47}	659.	{13, 30, 49}	706.	{14, 26, 34}
613.	{12, 38, 48}	660.	{13, 30, 50}	707.	{14, 26, 35}
614.	{12, 38, 54}	661.	{13, 30, 51}	708.	{14, 26, 36}
615.	{12, 39, 46}	662.	{13, 31, 48}	709.	{14, 26, 46}
616.	{12, 39, 47}	663.	{13, 31, 49}	710.	{14, 26, 47}
617.	{12, 39, 48}	664.	{13, 31, 50}	711.	{14, 26, 48}
618.	{12, 39, 53}	665.	{13, 31, 51}	712.	{14, 26, 49}
619.	{12, 41, 51}	666.	{13, 33, 49}	713.	{14, 26, 50}
620.	{12, 41, 52}	667.	{13, 33, 54}	714.	{14, 26, 51}
621.	{12, 41, 53}	668.	{13, 34, 54}	715.	{14, 27, 46}
622.	{12, 41, 54}	669.	{13, 36, 46}	716.	{14, 27, 47}
623.	{12, 42, 51}	670.	{13, 38, 48}	717.	{14, 27, 48}
624.	{12, 42, 52}	671.	{13, 39, 48}	718.	{14, 27, 49}
625.	{12, 42, 53}	672.	{13, 39, 53}	719.	{14, 27, 50}
626.	{12, 42, 54}	673.	{13, 41, 51}	720.	{14, 27, 51}
627.	{12, 43, 51}	674.	{13, 41, 52}	721.	{14, 28, 44}
628.	{12, 43, 52}	675.	{13, 41, 53}	722.	{14, 28, 46}
629.	{12, 43, 53}	676.	{13, 41, 54}	723.	{14, 28, 47}
630.	{12, 43, 54}	677.	{13, 42, 51}	724.	{14, 28, 48}
631.	{12, 44, 51}	678.	{13, 42, 52}	725.	{14, 28, 49}
632.	{12, 44, 52}	679.	{13, 42, 53}	726.	{14, 28, 50}

727.	{14, 28, 51}	774.	{14, 44, 53}	821.	{15, 29, 50}
728.	{14, 29, 42}	775.	{14, 44, 54}	822.	{15, 29, 51}
729.	{14, 29, 43}	776.	{15, 20, 26}	823.	{15, 30, 42}
730.	{14, 29, 46}	777.	{15, 20, 27}	824.	{15, 30, 43}
731.	{14, 29, 47}	778.	{15, 20, 28}	825.	{15, 30, 46}
732.	{14, 29, 48}	779.	{15, 20, 29}	826.	{15, 30, 47}
733.	{14, 29, 49}	780.	{15, 20, 30}	827.	{15, 30, 48}
734.	{14, 29, 50}	781.	{15, 20, 31}	828.	{15, 30, 49}
735.	{14, 29, 51}	782.	{15, 21, 26}	829.	{15, 30, 50}
736.	{14, 30, 42}	783.	{15, 21, 27}	830.	{15, 30, 51}
737.	{14, 30, 43}	784.	{15, 21, 28}	831.	{15, 31, 46}
738.	{14, 30, 46}	785.	{15, 21, 29}	832.	{15, 31, 47}
739.	{14, 30, 47}	786.	{15, 21, 30}	833.	{15, 31, 48}
740.	{14, 30, 48}	787.	{15, 21, 31}	834.	{15, 31, 49}
741.	{14, 30, 49}	788.	{15, 25, 33}	835.	{15, 31, 50}
742.	{14, 30, 50}	789.	{15, 25, 34}	836.	{15, 31, 51}
743.	{14, 30, 51}	790.	{15, 25, 35}	837.	{15, 33, 49}
744.	{14, 31, 46}	791.	{15, 25, 36}	838.	{15, 33, 53}
745.	{14, 31, 47}	792.	{15, 26, 33}	839.	{15, 33, 54}
746.	{14, 31, 48}	793.	{15, 26, 34}	840.	{15, 34, 47}
747.	{14, 31, 49}	794.	{15, 26, 35}	841.	{15, 34, 48}
748.	{14, 31, 50}	795.	{15, 26, 36}	842.	{15, 34, 53}
749.	{14, 31, 51}	796.	{15, 26, 46}	843.	{15, 34, 54}
750.	{14, 33, 49}	797.	{15, 26, 47}	844.	{15, 35, 47}
751.	{14, 33, 54}	798.	{15, 26, 48}	845.	{15, 35, 48}
752.	{14, 34, 47}	799.	{15, 26, 49}	846.	{15, 35, 53}
753.	{14, 34, 48}	800.	{15, 26, 50}	847.	{15, 35, 54}
754.	{14, 34, 54}	801.	{15, 26, 51}	848.	{15, 36, 53}
755.	{14, 35, 47}	802.	{15, 27, 46}	849.	{15, 36, 54}
756.	{14, 35, 48}	803.	{15, 27, 47}	850.	{15, 38, 54}
757.	{14, 35, 54}	804.	{15, 27, 48}	851.	{15, 41, 51}
758.	{14, 36, 54}	805.	{15, 27, 49}	852.	{15, 41, 52}
759.	{14, 39, 53}	806.	{15, 27, 50}	853.	{15, 41, 53}
760.	{14, 41, 51}	807.	{15, 27, 51}	854.	{15, 42, 51}
761.	{14, 41, 52}	808.	{15, 28, 44}	855.	{15, 42, 52}
762.	{14, 41, 53}	809.	{15, 28, 46}	856.	{15, 42, 53}
763.	{14, 41, 54}	810.	{15, 28, 47}	857.	{15, 43, 51}
764.	{14, 42, 51}	811.	{15, 28, 48}	858.	{15, 43, 52}
765.	{14, 42, 52}	812.	{15, 28, 49}	859.	{15, 43, 53}
766.	{14, 42, 53}	813.	{15, 28, 50}	860.	{15, 44, 51}
767.	{14, 42, 54}	814.	{15, 28, 51}	861.	{15, 44, 52}
768.	{14, 43, 51}	815.	{15, 29, 42}	862.	{15, 44, 53}
769.	{14, 43, 52}	816.	{15, 29, 43}	863.	{16, 25, 33}
770.	{14, 43, 53}	817.	{15, 29, 46}	864.	{16, 25, 34}
771.	{14, 43, 54}	818.	{15, 29, 47}	865.	{16, 25, 35}
772.	{14, 44, 51}	819.	{15, 29, 48}	866.	{16, 25, 36}
773.	{14, 44, 52}	820.	{15, 29, 49}	867.	{16, 26, 33}

868.	{16, 26, 34}	915.	{17, 24, 31}	962.	{17, 31, 51}
869.	{16, 26, 35}	916.	{17, 24, 32}	963.	{17, 31, 52}
870.	{16, 26, 36}	917.	{17, 24, 33}	964.	{17, 31, 53}
871.	{16, 26, 46}	918.	{17, 24, 34}	965.	{17, 31, 54}
872.	{16, 26, 47}	919.	{17, 24, 35}	966.	{17, 32, 51}
873.	{16, 26, 48}	920.	{17, 24, 36}	967.	{17, 32, 52}
874.	{16, 26, 49}	921.	{17, 25, 31}	968.	{17, 32, 53}
875.	{16, 27, 46}	922.	{17, 25, 32}	969.	{17, 32, 54}
876.	{16, 27, 47}	923.	{17, 25, 33}	970.	{17, 33, 49}
877.	{16, 27, 48}	924.	{17, 25, 34}	971.	{17, 33, 51}
878.	{16, 27, 49}	925.	{17, 25, 35}	972.	{17, 33, 52}
879.	{16, 28, 44}	926.	{17, 25, 36}	973.	{17, 33, 53}
880.	{16, 28, 46}	927.	{17, 26, 31}	974.	{17, 33, 54}
881.	{16, 28, 47}	928.	{17, 26, 32}	975.	{17, 34, 47}
882.	{16, 28, 48}	929.	{17, 26, 33}	976.	{17, 34, 48}
883.	{16, 28, 49}	930.	{17, 26, 34}	977.	{17, 34, 51}
884.	{16, 29, 38}	931.	{17, 26, 35}	978.	{17, 34, 52}
885.	{16, 29, 39}	932.	{17, 26, 36}	979.	{17, 34, 53}
886.	{16, 29, 46}	933.	{17, 26, 46}	980.	{17, 34, 54}
887.	{16, 29, 47}	934.	{17, 26, 47}	981.	{17, 35, 47}
888.	{16, 29, 48}	935.	{17, 26, 48}	982.	{17, 35, 48}
889.	{16, 29, 49}	936.	{17, 26, 49}	983.	{17, 35, 51}
890.	{16, 31, 41}	937.	{17, 27, 46}	984.	{17, 35, 52}
891.	{16, 31, 51}	938.	{17, 27, 47}	985.	{17, 35, 53}
892.	{16, 33, 49}	939.	{17, 27, 48}	986.	{17, 35, 54}
893.	{16, 33, 53}	940.	{17, 27, 49}	987.	{17, 36, 51}
894.	{16, 33, 54}	941.	{17, 28, 44}	988.	{17, 36, 52}
895.	{16, 34, 47}	942.	{17, 28, 46}	989.	{17, 36, 53}
896.	{16, 34, 48}	943.	{17, 28, 47}	990.	{17, 36, 54}
897.	{16, 34, 53}	944.	{17, 28, 48}	991.	{17, 38, 54}
898.	{16, 34, 54}	945.	{17, 28, 49}	992.	{17, 39, 52}
899.	{16, 35, 47}	946.	{17, 29, 38}	993.	{17, 39, 53}
900.	{16, 35, 48}	947.	{17, 29, 39}	994.	{17, 40, 52}
901.	{16, 35, 53}	948.	{17, 29, 40}	995.	{17, 40, 53}
902.	{16, 35, 54}	949.	{17, 29, 41}	996.	{18, 23, 31}
903.	{16, 36, 53}	950.	{17, 29, 46}	997.	{18, 23, 32}
904.	{16, 36, 54}	951.	{17, 29, 47}	998.	{18, 23, 33}
905.	{16, 38, 54}	952.	{17, 29, 48}	999.	{18, 23, 34}
906.	{16, 41, 51}	953.	{17, 29, 49}	1000.	{18, 23, 35}
907.	{16, 43, 53}	954.	{17, 30, 38}	1001.	{18, 23, 36}
908.	{16, 44, 53}	955.	{17, 30, 39}	1002.	{18, 24, 31}
909.	{17, 23, 31}	956.	{17, 30, 40}	1003.	{18, 24, 32}
910.	{17, 23, 32}	957.	{17, 30, 41}	1004.	{18, 24, 33}
911.	{17, 23, 33}	958.	{17, 31, 38}	1005.	{18, 24, 34}
912.	{17, 23, 34}	959.	{17, 31, 39}	1006.	{18, 24, 35}
913.	{17, 23, 35}	960.	{17, 31, 40}	1007.	{18, 24, 36}
914.	{17, 23, 36}	961.	{17, 31, 41}	1008.	{18, 25, 31}

1009.	{18, 25, 32}	1056.	{18, 32, 54}	1103.	{19, 31, 41}
1010.	{18, 25, 33}	1057.	{18, 33, 49}	1104.	{19, 31, 51}
1011.	{18, 25, 34}	1058.	{18, 33, 51}	1105.	{19, 31, 52}
1012.	{18, 25, 35}	1059.	{18, 33, 52}	1106.	{19, 31, 53}
1013.	{18, 25, 36}	1060.	{18, 33, 53}	1107.	{19, 31, 54}
1014.	{18, 26, 31}	1061.	{18, 33, 54}	1108.	{19, 32, 51}
1015.	{18, 26, 32}	1062.	{18, 34, 47}	1109.	{19, 32, 52}
1016.	{18, 26, 33}	1063.	{18, 34, 48}	1110.	{19, 32, 53}
1017.	{18, 26, 34}	1064.	{18, 34, 51}	1111.	{19, 32, 54}
1018.	{18, 26, 35}	1065.	{18, 34, 52}	1112.	{19, 33, 49}
1019.	{18, 26, 36}	1066.	{18, 34, 53}	1113.	{19, 33, 51}
1020.	{18, 26, 46}	1067.	{18, 34, 54}	1114.	{19, 33, 52}
1021.	{18, 26, 47}	1068.	{18, 35, 47}	1115.	{19, 33, 53}
1022.	{18, 26, 48}	1069.	{18, 35, 48}	1116.	{19, 33, 54}
1023.	{18, 26, 49}	1070.	{18, 35, 51}	1117.	{19, 34, 43}
1024.	{18, 27, 46}	1071.	{18, 35, 52}	1118.	{19, 34, 44}
1025.	{18, 27, 47}	1072.	{18, 35, 53}	1119.	{19, 34, 51}
1026.	{18, 27, 48}	1073.	{18, 35, 54}	1120.	{19, 34, 52}
1027.	{18, 27, 49}	1074.	{18, 36, 51}	1121.	{19, 34, 53}
1028.	{18, 28, 38}	1075.	{18, 36, 52}	1122.	{19, 34, 54}
1029.	{18, 28, 39}	1076.	{18, 36, 53}	1123.	{19, 36, 46}
1030.	{18, 28, 40}	1077.	{18, 36, 54}	1124.	{19, 38, 54}
1031.	{18, 28, 41}	1078.	{18, 38, 54}	1125.	{19, 39, 52}
1032.	{18, 28, 46}	1079.	{18, 39, 52}	1126.	{19, 39, 53}
1033.	{18, 28, 47}	1080.	{18, 39, 53}	1127.	{19, 40, 52}
1034.	{18, 28, 48}	1081.	{18, 40, 52}	1128.	{19, 40, 53}
1035.	{18, 28, 49}	1082.	{18, 40, 53}	1129.	{20, 26, 36}
1036.	{18, 29, 38}	1083.	{19, 26, 36}	1130.	{20, 26, 37}
1037.	{18, 29, 39}	1084.	{19, 26, 46}	1131.	{20, 26, 38}
1038.	{18, 29, 40}	1085.	{19, 28, 38}	1132.	{20, 26, 39}
1039.	{18, 29, 41}	1086.	{19, 28, 39}	1133.	{20, 26, 40}
1040.	{18, 29, 43}	1087.	{19, 28, 40}	1134.	{20, 26, 41}
1041.	{18, 30, 38}	1088.	{19, 28, 41}	1135.	{20, 27, 36}
1042.	{18, 30, 39}	1089.	{19, 28, 48}	1136.	{20, 27, 37}
1043.	{18, 30, 40}	1090.	{19, 28, 49}	1137.	{20, 27, 38}
1044.	{18, 30, 41}	1091.	{19, 29, 38}	1138.	{20, 27, 39}
1045.	{18, 31, 38}	1092.	{19, 29, 39}	1139.	{20, 27, 40}
1046.	{18, 31, 39}	1093.	{19, 29, 40}	1140.	{20, 27, 41}
1047.	{18, 31, 40}	1094.	{19, 29, 41}	1141.	{20, 27, 44}
1048.	{18, 31, 41}	1095.	{19, 29, 43}	1142.	{20, 27, 45}
1049.	{18, 31, 51}	1096.	{19, 30, 38}	1143.	{20, 28, 36}
1050.	{18, 31, 52}	1097.	{19, 30, 39}	1144.	{20, 28, 37}
1051.	{18, 31, 53}	1098.	{19, 30, 40}	1145.	{20, 28, 38}
1052.	{18, 31, 54}	1099.	{19, 30, 41}	1146.	{20, 28, 39}
1053.	{18, 32, 51}	1100.	{19, 31, 38}	1147.	{20, 28, 40}
1054.	{18, 32, 52}	1101.	{19, 31, 39}	1148.	{20, 28, 41}
1055.	{18, 32, 53}	1102.	{19, 31, 40}	1149.	{20, 28, 44}

1150.	{20, 28, 45}	1197.	{20, 36, 45}	1244.	{21, 31, 41}
1151.	{20, 29, 36}	1198.	{20, 36, 46}	1245.	{21, 31, 51}
1152.	{20, 29, 37}	1199.	{20, 38, 54}	1246.	{21, 31, 52}
1153.	{20, 29, 38}	1200.	{20, 39, 52}	1247.	{21, 31, 53}
1154.	{20, 29, 39}	1201.	{20, 39, 53}	1248.	{21, 31, 54}
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1156.	{20, 29, 41}	1203.	{20, 40, 53}	1250.	{21, 32, 52}
1157.	{20, 29, 43}	1204.	{21, 26, 36}	1251.	{21, 32, 53}
1158.	{20, 30, 36}	1205.	{21, 26, 37}	1252.	{21, 32, 54}
1159.	{20, 30, 37}	1206.	{21, 26, 38}	1253.	{21, 33, 43}
1160.	{20, 30, 38}	1207.	{21, 26, 39}	1254.	{21, 33, 44}
1161.	{20, 30, 39}	1208.	{21, 26, 40}	1255.	{21, 33, 45}
1162.	{20, 30, 40}	1209.	{21, 26, 41}	1256.	{21, 33, 46}
1163.	{20, 30, 41}	1210.	{21, 27, 36}	1257.	{21, 33, 51}
1164.	{20, 31, 36}	1211.	{21, 27, 37}	1258.	{21, 33, 52}
1165.	{20, 31, 37}	1212.	{21, 27, 38}	1259.	{21, 33, 53}
1166.	{20, 31, 38}	1213.	{21, 27, 39}	1260.	{21, 33, 54}
1167.	{20, 31, 39}	1214.	{21, 27, 40}	1261.	{21, 34, 43}
1168.	{20, 31, 40}	1215.	{21, 27, 41}	1262.	{21, 34, 44}
1169.	{20, 31, 41}	1216.	{21, 27, 44}	1263.	{21, 34, 45}
1170.	{20, 31, 51}	1217.	{21, 27, 45}	1264.	{21, 34, 46}
1171.	{20, 31, 52}	1218.	{21, 28, 36}	1265.	{21, 34, 48}
1172.	{20, 31, 53}	1219.	{21, 28, 37}	1266.	{21, 35, 43}
1173.	{20, 31, 54}	1220.	{21, 28, 38}	1267.	{21, 35, 44}
1174.	{20, 32, 51}	1221.	{21, 28, 39}	1268.	{21, 35, 45}
1175.	{20, 32, 52}	1222.	{21, 28, 40}	1269.	{21, 35, 46}
1176.	{20, 32, 53}	1223.	{21, 28, 41}	1270.	{21, 36, 43}
1177.	{20, 32, 54}	1224.	{21, 28, 44}	1271.	{21, 36, 44}
1178.	{20, 33, 49}	1225.	{21, 28, 45}	1272.	{21, 36, 45}
1179.	{20, 33, 51}	1226.	{21, 29, 36}	1273.	{21, 36, 46}
1180.	{20, 33, 52}	1227.	{21, 29, 37}	1274.	{21, 38, 54}
1181.	{20, 33, 53}	1228.	{21, 29, 38}	1275.	{21, 39, 52}
1182.	{20, 33, 54}	1229.	{21, 29, 39}	1276.	{21, 39, 53}
1183.	{20, 34, 43}	1230.	{21, 29, 40}	1277.	{21, 40, 52}
1184.	{20, 34, 44}	1231.	{21, 29, 41}	1278.	{21, 40, 53}
1185.	{20, 34, 45}	1232.	{21, 29, 43}	1279.	{22, 26, 36}
1186.	{20, 34, 46}	1233.	{21, 30, 36}	1280.	{22, 26, 37}
1187.	{20, 34, 51}	1234.	{21, 30, 37}	1281.	{22, 26, 38}
1188.	{20, 34, 52}	1235.	{21, 30, 38}	1282.	{22, 26, 39}
1189.	{20, 34, 53}	1236.	{21, 30, 39}	1283.	{22, 27, 36}
1190.	{20, 34, 54}	1237.	{21, 30, 40}	1284.	{22, 27, 37}
1191.	{20, 35, 43}	1238.	{21, 30, 41}	1285.	{22, 27, 38}
1192.	{20, 35, 44}	1239.	{21, 31, 36}	1286.	{22, 27, 39}
1193.	{20, 35, 45}	1240.	{21, 31, 37}	1287.	{22, 27, 44}
1194.	{20, 35, 46}	1241.	{21, 31, 38}	1288.	{22, 27, 45}
1195.	{20, 36, 43}	1242.	{21, 31, 39}	1289.	{22, 28, 36}
1196.	{20, 36, 44}	1243.	{21, 31, 40}	1290.	{22, 28, 37}

1291.	{22, 28, 38}	1338.	{23, 28, 39}	1385.	{23, 36, 45}
1292.	{22, 28, 39}	1339.	{23, 28, 44}	1386.	{23, 36, 46}
1293.	{22, 28, 44}	1340.	{23, 28, 45}	1387.	{23, 38, 54}
1294.	{22, 28, 45}	1341.	{23, 29, 36}	1388.	{23, 39, 48}
1295.	{22, 29, 36}	1342.	{23, 29, 37}	1389.	{23, 39, 49}
1296.	{22, 29, 37}	1343.	{23, 29, 38}	1390.	{23, 39, 50}
1297.	{22, 29, 38}	1344.	{23, 29, 39}	1391.	{23, 39, 51}
1298.	{22, 29, 39}	1345.	{23, 29, 43}	1392.	{23, 40, 48}
1299.	{22, 29, 43}	1346.	{23, 31, 41}	1393.	{23, 40, 49}
1300.	{22, 31, 41}	1347.	{23, 31, 42}	1394.	{23, 40, 50}
1301.	{22, 31, 51}	1348.	{23, 31, 43}	1395.	{23, 40, 51}
1302.	{22, 33, 43}	1349.	{23, 31, 44}	1396.	{23, 41, 48}
1303.	{22, 33, 44}	1350.	{23, 31, 45}	1397.	{23, 41, 49}
1304.	{22, 33, 45}	1351.	{23, 31, 46}	1398.	{23, 41, 50}
1305.	{22, 33, 46}	1352.	{23, 32, 41}	1399.	{23, 41, 51}
1306.	{22, 33, 53}	1353.	{23, 32, 42}	1400.	{24, 26, 36}
1307.	{22, 33, 54}	1354.	{23, 32, 43}	1401.	{24, 26, 37}
1308.	{22, 34, 43}	1355.	{23, 32, 44}	1402.	{24, 26, 38}
1309.	{22, 34, 44}	1356.	{23, 32, 45}	1403.	{24, 27, 36}
1310.	{22, 34, 45}	1357.	{23, 32, 46}	1404.	{24, 27, 37}
1311.	{22, 34, 46}	1358.	{23, 32, 49}	1405.	{24, 27, 38}
1312.	{22, 34, 48}	1359.	{23, 32, 50}	1406.	{24, 27, 44}
1313.	{22, 35, 43}	1360.	{23, 33, 41}	1407.	{24, 27, 45}
1314.	{22, 35, 44}	1361.	{23, 33, 42}	1408.	{24, 28, 36}
1315.	{22, 35, 45}	1362.	{23, 33, 43}	1409.	{24, 28, 37}
1316.	{22, 35, 46}	1363.	{23, 33, 44}	1410.	{24, 28, 38}
1317.	{22, 36, 43}	1364.	{23, 33, 45}	1411.	{24, 28, 44}
1318.	{22, 36, 44}	1365.	{23, 33, 46}	1412.	{24, 28, 45}
1319.	{22, 36, 45}	1366.	{23, 33, 49}	1413.	{24, 29, 36}
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2013.	{29, 33, 54}	2060.	{29, 38, 44}	2107.	{29, 42, 48}
2014.	{29, 34, 38}	2061.	{29, 38, 45}	2108.	{29, 42, 49}
2015.	{29, 34, 39}	2062.	{29, 38, 46}	2109.	{29, 43, 44}
2016.	{29, 34, 40}	2063.	{29, 38, 47}	2110.	{29, 43, 45}
2017.	{29, 34, 41}	2064.	{29, 38, 48}	2111.	{29, 43, 46}
2018.	{29, 34, 42}	2065.	{29, 38, 49}	2112.	{29, 43, 47}
2019.	{29, 34, 43}	2066.	{29, 38, 50}	2113.	{29, 43, 48}
2020.	{29, 34, 48}	2067.	{29, 38, 51}	2114.	{29, 43, 49}
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2022.	{29, 34, 50}	2069.	{29, 38, 53}	2116.	{29, 43, 51}
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2034.	{29, 35, 53}	2081.	{29, 39, 52}	2128.	{29, 48, 53}
2035.	{29, 35, 54}	2082.	{29, 39, 53}	2129.	{29, 48, 54}
2036.	{29, 36, 42}	2083.	{29, 40, 42}	2130.	{29, 49, 53}
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2041.	{29, 36, 49}	2088.	{29, 40, 47}	2135.	{30, 32, 41}
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