

## Part 2

Value of K	SSE	Size of each cluster
10	1651.435	1: 490 2: 83 3: 100 4: 48 5: 82 6: 88 7: 117 8: 258 9: 454 10: 280
20	1596.5977	1: 140 2: 110 3: 40 4: 123 5: 136 6: 125 7: 139 8: 2 9: 60 10: 42 11: 50 12: 47 13: 160 14: 53 15: 257 16: 14 17: 162 18: 214 19: 93 20: 33
30	1590.9571	1: 71 2: 132 3: 48 4: 74 5: 17 6: 125 7: 130 8: 117 9: 163 10: 62 11: 10 12: 116 13: 27 14: 82 15: 53 16: 87

		17: 55 18: 76 19: 47 20: 47 21: 28 22: 66 23: 16 24: 207 25: 34 26: 14 27: 9 28: 60 29: 19 30: 8
40	1533.47	1: 78 2: 64 3: 55 4: 109 5: 9 6: 32 7: 44 8: 64 9: 44 10: 158 11: 38 12: 71 13: 125 14: 23 15: 65 16: 75 17: 79 18: 48 19: 14 20: 6 21: 142 22: 21 23: 52 24: 97 25: 28 26: 41 27: 59 28: 10 29: 21 30: 6 31: 6 32: 40 33: 34 34: 40 35: 23 36: 62

		37: 26 38: 8 39: 7 40: 76
50	1522.72	1: 68 2: 40 3: 97 4: 166 5: 59 6: 22 7: 61 8: 11 9: 19 10: 77 11: 31 12: 127 13: 61 14: 70 15: 11 16: 13 17: 29 18: 7 19: 14 20: 40 21: 21 22: 20 23: 43 24: 2 25: 20 26: 41 27: 130 28: 19 29: 61 30: 52 31: 24 32: 14 33: 22 34: 20 35: 41 36: 27 37: 30 38: 10 39: 36 40: 38 41: 42 42: 47 43: 67 44: 37 45: 24 46: 18

		47: 53 48: 10 49: 4 50: 4
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