

Morrone & Escalante (2002) Geodis input file for nesting level 1 (labeled as nesting level 0 here) Note

Geodis_Input

696

| | | | |
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| 1 | a1a | | |
| | 31 | 19.08 | 92.20 |
| 2 | a2a | | |
| | 31 | 19.08 | 92.20 |
| 3 | a3a | | |
| | 31 | 19.08 | 92.20 |
| 4 | a4a | | |
| | 26 | 18.84 | 91.73 |
| 5 | a5a | | |
| | 12 | 18.16 | 94.33 |
| 6 | a6a | | |
| | 12 | 18.16 | 94.33 |
| 7 | a7a | | |
| | 19 | 18.86 | 90.13 |
| 8 | a8a | | |
| | 28 | 28.64 | 111.28 |
| 9 | a9a | | |
| | 9 | 29.94 | 111.27 |
| 10 | a10a | | |
| | 2 | 30.00 | 115.00 |
| 11 | a11a | | |
| | 6 | 27.50 | 106.16 |
| 12 | a12a | | |
| | 14 | 28.50 | 113.85 |
| 13 | a13a | | |
| | 54 | 19.90 | 100.07 |
| 14 | a14a | | |
| | 54 | 19.90 | 100.07 |
| 15 | a15a | | |
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| 16 | a16a | | |
| | 12 | 27.66 | 108.00 |
| 17 | a17a | | |
| | 12 | 27.66 | 108.00 |
| 18 | a18a | | |
| | 48 | 26.79 | 106.14 |
| 19 | a19a | | |
| | 48 | 26.79 | 106.14 |
| 20 | a20a | | |
| | 109 | 20.55 | 98.12 |
| 21 | a21a | | |
| | 28 | 22.07 | 104.14 |
| 22 | a22a | | |
| | 61 | 20.09 | 98.43 |

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| 23 | a23a | | |
| | 95 | 19.91 | 97.22 |
| 24 | a24a | | |
| | 42 | 19.52 | 98.07 |
| 25 | a25a | | |
| | 42 | 19.52 | 98.07 |
| 26 | a26a | | |
| | 39 | 18.93 | 93.98 |
| 27 | a27a | | |
| | 38 | 18.57 | 93.42 |
| 28 | a28a | | |
| | 107 | 21.36 | 99.29 |
| 29 | a29a | | |
| | 68 | 18.94 | 97.02 |
| 30 | a30a | | |
| | 72 | 23.45 | 102.68 |
| 31 | a31a | | |
| | 56 | 20.42 | 101.44 |
| 32 | a32a | | |
| | 9 | 18.16 | 95.72 |
| 33 | a33a | | |
| | 52 | 20.55 | 101.90 |
| 34 | a34a | | |
| | 77 | 22.33 | 101.94 |
| 35 | a35a | | |
| | 71 | 22.73 | 102.61 |
| 36 | a36a | | |
| | 13 | 17.26 | 95.34 |
| 37 | a37a | | |
| | 11 | 18.09 | 88.90 |
| 38 | a38a | | |
| | 11 | 18.09 | 88.90 |
| 39 | a39a | | |
| | 3 | 27.50 | 105.16 |
| 40 | a40a | | |
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| 42 | a42a | | |
| | 5 | 13.20 | 73.20 |
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| | 12 | 17.12 | 86.87 |
| 45 | a45a | | |
| | 12 | 17.12 | 86.87 |

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| 47 | a47a | | |
| | 87 | 25.46 | 105.27 |
| 48 | a48a | | |
| | 21 | 25.92 | 105.16 |
| 49 | a49a | | |
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| 50 | a50a | | |
| | 31 | 18.66 | 94.08 |
| 51 | a51a | | |
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| 52 | a52a | | |
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| 53 | a53a | | |
| | 23 | 16.73 | 92.65 |
| 54 | a54a | | |
| | 12 | 25.83 | 101.75 |
| 55 | a55a | | |
| | 12 | 25.83 | 101.75 |
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| | 2 | 19.50 | 98.50 |
| 57 | a57a | | |
| | 2 | 19.50 | 98.50 |
| 58 | a58a | | |
| | 2 | 19.50 | 98.50 |
| 59 | a59a | | |
| | 31 | 19.29 | 94.12 |
| 60 | a60a | | |
| | 31 | 19.29 | 94.12 |
| 61 | a61a | | |
| | 31 | 19.29 | 94.12 |
| 62 | a62a | | |
| | 124 | 26.42 | 105.56 |
| 63 | a63a | | |
| | 17 | 28.08 | 112.67 |
| 64 | a64a | | |
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| 65 | a65a | | |
| | 10 | 25.40 | 107.00 |
| 66 | a66a | | |
| | 29 | 28.84 | 112.15 |
| 67 | a67a | | |
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| 68 | a68a | | |
| | 9 | 30.50 | 115.16 |

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| 71 | a71a | | |
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| 73 | a73a | | |
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| 74 | a74a | | |
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| 75 | a75a | | |
| | 56 | 25.46 | 103.160 |
| 76 | a76a | | |
| | 51 | 26.60 | 103.70 |
| 77 | a77a | | |
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| 78 | a78a | | |
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| 80 | a80a | | |
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| 81 | a81a | | |
| | 30 | 20.76 | 102.26 |
| 82 | a82a | | |
| | 20 | 16.97 | 89.32 |
| 83 | a83a | | |
| | 20 | 16.97 | 89.32 |
| 84 | a84a | | |
| | 7 | 17.35 | 93.50 |
| 85 | a85a | | |
| | 7 | 17.35 | 93.50 |
| 86 | a86a | | |
| | 7 | 17.35 | 93.50 |
| 87 | a87a | | |
| | 16 | 18.43 | 98.18 |
| 88 | a88a | | |
| | 16 | 18.43 | 98.18 |
| 89 | a89a | | |
| | 74 | 23.40 | 103.98 |
| 90 | a90a | | |
| | 74 | 23.40 | 103.98 |
| 91 | a91a | | |
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| 93 | a93a | | |
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| 94 | a94a | | |
| | 25 | 18.98 | 94.90 |
| 95 | a95a | | |
| | 25 | 18.98 | 94.90 |
| 96 | a96a | | |
| | 97 | 23.01 | 101.78 |
| 97 | a97a | | |
| | 14 | 22.28 | 98.71 |
| 98 | a98a | | |
| | 79 | 23.43 | 103.27 |
| 99 | a99a | | |
| | 10 | 21.00 | 94.20 |
| 100 | a100a | | |
| | 81 | 23.56 | 102.85 |
| 101 | a101a | | |
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| 102 | a102a | | |
| | 62 | 23.83 | 103.17 |
| 103 | a103a | | |
| | 74 | 23.77 | 101.98 |
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| 105 | a105a | | |
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| 106 | a106a | | |
| | 4 | 24.50 | 104.00 |
| 107 | a107a | | |
| | 7 | 20.07 | 102.64 |
| 108 | a108a | | |
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| 109 | a109a | | |
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| 110 | a110a | | |
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| 111 | a111a | | |
| | 4 | 20.75 | 102.00 |
| 112 | a112a | | |
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| 113 | a113a | | |
| | 22 | 18.50 | 98.81 |
| 114 | a114a | | |
| | 1 | 16.50 | 91.50 |

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| 117 | a117a | | |
| | 22 | 19.27 | 97.04 |
| 118 | a118a | | |
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| 119 | a119a | | |
| | 46 | 20.17 | 98.86 |
| 120 | a120a | | |
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| 121 | a121a | | |
| | 12 | 18.25 | 94.75 |
| 122 | a122a | | |
| | 12 | 18.25 | 94.75 |
| 123 | a123a | | |
| | 20 | 27.65 | 104.70 |
| 124 | a124a | | |
| | 13 | 28.88 | 106.50 |
| 125 | a125a | | |
| | 13 | 28.88 | 106.50 |
| 126 | a126a | | |
| | 8 | 25.62 | 101.37 |
| 127 | a127a | | |
| | 22 | 19.77 | 93.54 |
| 128 | a128a | | |
| | 10 | 18.50 | 96.30 |
| 129 | a129a | | |
| | 12 | 19.58 | 89.33 |
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| 131 | a131a | | |
| | 65 | 21.28 | 100.20 |
| 132 | a132a | | |
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| 133 | a133a | | |
| | 44 | 19.30 | 97.48 |
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| 135 | a135a | | |
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| 136 | a136a | | |
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| 137 | a137a | | |
| | 86 | 20.73 | 99.05 |

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| 139 | a139a | | |
| | 86 | 20.73 | 99.05 |
| 140 | a140a | | |
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| 141 | a141a | | |
| | 4 | 19.75 | 93.50 |
| 142 | a142a | | |
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| 143 | a143a | | |
| | 6 | 19.66 | 99.50 |
| 144 | a144a | | |
| | 98 | 20.84 | 98.50 |
| 145 | a145a | | |
| | 54 | 19.56 | 95.41 |
| 146 | a146a | | |
| | 54 | 19.56 | 95.41 |
| 147 | a147a | | |
| | 87 | 21.24 | 99.86 |
| 148 | a148a | | |
| | 1 | 20.50 | 88.50 |
| 149 | a149a | | |
| | 16 | 19.75 | 94.31 |
| 150 | a150a | | |
| | 16 | 19.75 | 94.31 |
| 151 | a151a | | |
| | 132 | 25.96 | 104.70 |
| 152 | a152a | | |
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| 153 | a153a | | |
| | 3 | 23.50 | 99.50 |
| 154 | a154a | | |
| | 13 | 29.96 | 112.50 |
| 155 | a155a | | |
| | 4 | 31.25 | 116.25 |
| 156 | a156a | | |
| | 101 | 26.85 | 106.31 |
| 157 | a157a | | |
| | 1 | 31.50 | 116.50 |
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| | 7 | 26.78 | 102.50 |
| 159 | a159a | | |
| | 37 | 26.04 | 103.50 |
| 160 | a160a | | |
| | 69 | 26.12 | 104.12 |

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| 161 | a161a | | |
| | 28 | 21.96 | 101.67 |
| 162 | a162a | | |
| | 7 | 22.64 | 103.35 |
| 163 | a163a | | |
| | 4 | 28.75 | 113.75 |
| 164 | a164a | | |
| | 4 | 28.75 | 113.75 |
| 165 | a165a | | |
| | 37 | 26.56 | 103.35 |
| 166 | a166a | | |
| | 19 | 19.34 | 93.60 |
| 167 | a167a | | |
| | 19 | 19.34 | 93.60 |
| 168 | a168a | | |
| | 19 | 19.34 | 93.60 |
| 169 | a169a | | |
| | 2 | 19.00 | 98.00 |
| 170 | a170a | | |
| | 2 | 19.00 | 98.00 |
| 171 | a171a | | |
| | 102 | 23.10 | 102.16 |
| 172 | a172a | | |
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| 173 | a173a | | |
| | 10 | 17.30 | 95.80 |
| 174 | a174a | | |
| | 27 | 19.16 | 96.79 |
| 175 | a175a | | |
| | 27 | 19.16 | 96.79 |
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| 177 | a177a | | |
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| | 10 | 29.00 | 107.50 |
| 180 | a180a | | |
| | 3 | 23.50 | 104.16 |
| 181 | a181a | | |
| | 3 | 23.50 | 104.16 |
| 182 | a182a | | |
| | 45 | 22.14 | 100.25 |
| 183 | a183a | | |
| | 4 | 18.25 | 95.50 |

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| 184 | a184a | | |
| | 4 | 18.25 | 95.50 |
| 185 | a185a | | |
| | 6 | 19.50 | 91.00 |
| 186 | a186a | | |
| | 6 | 19.50 | 91.00 |
| 187 | a187a | | |
| | 19 | 20.76 | 99.39 |
| 188 | a188a | | |
| | 19 | 20.76 | 99.39 |
| 189 | a189a | | |
| | 13 | 25.80 | 103.96 |
| 190 | a190a | | |
| | 13 | 25.80 | 103.96 |
| 191 | a191a | | |
| | 12 | 22.16 | 102.50 |
| 192 | a192a | | |
| | 11 | 18.95 | 92.86 |
| 193 | a193a | | |
| | 11 | 18.95 | 92.86 |
| 194 | a194a | | |
| | 11 | 18.95 | 92.86 |
| 195 | a195a | | |
| | 8 | 26.37 | 102.25 |
| 196 | a196a | | |
| | 4 | 29.50 | 104.75 |
| 197 | a197a | | |
| | 4 | 29.50 | 104.75 |
| 198 | a198a | | |
| | 3 | 23.50 | 100.50 |
| 199 | a199a | | |
| | 3 | 23.50 | 100.50 |
| 200 | a200a | | |
| | 1 | 22.50 | 97.50 |
| 201 | a201a | | |
| | 23 | 19.58 | 98.36 |
| 202 | a202a | | |
| | 23 | 19.58 | 98.36 |
| 203 | a203a | | |
| | 106 | 20.35 | 98.18 |
| 204 | a204a | | |
| | 35 | 18.51 | 96.28 |
| 205 | a205a | | |
| | 68 | 20.98 | 99.20 |
| 206 | a206a | | |
| | 25 | 17.70 | 97.78 |

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| 207 | a207a | | |
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| 208 | a208a | | |
| | 78 | 19.81 | 97.58 |
| 209 | a209a | | |
| | 15 | 17.83 | 95.96 |
| 210 | a210a | | |
| | 5 | 16.70 | 96.70 |
| 211 | a211a | | |
| | 5 | 18.30 | 97.30 |
| 212 | a212a | | |
| | 4 | 16.75 | 92.50 |
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| 214 | a214a | | |
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| 215 | a215a | | |
| | 40 | 19.70 | 97.87 |
| 216 | a216a | | |
| | 36 | 18.86 | 92.25 |
| 217 | a217a | | |
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| 218 | a218a | | |
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| 219 | a219a | | |
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| 220 | a220a | | |
| | 16 | 19.93 | 88.81 |
| 221 | a221a | | |
| | 25 | 19.50 | 102.42 |
| 222 | a222a | | |
| | 25 | 19.50 | 102.42 |
| 223 | a223a | | |
| | 22 | 18.40 | 98.45 |
| 224 | a224a | | |
| | 22 | 18.40 | 98.45 |
| 225 | a225a | | |
| | 1 | 32.50 | 115.50 |
| 226 | a226a | | |
| | 1 | 32.50 | 115.50 |
| 227 | a227a | | |
| | 120 | 23.56 | 102.90 |
| 228 | a228a | | |
| | 43 | 22.59 | 103.40 |
| 229 | a229a | | |
| | 47 | 23.60 | 102.81 |

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| 230 | a230a | | |
| | 58 | 25.36 | 105.15 |
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| 232 | a232a | | |
| | 56 | 22.55 | 101.35 |
| 233 | a233a | | |
| | 56 | 22.55 | 101.35 |
| 234 | a234a | | |
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| | 44 | 20.59 | 98.95 |
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| | 42 | 19.80 | 97.90 |
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| 240 | a240a | | |
| | 94 | 22.41 | 103.27 |
| 241 | a241a | | |
| | 88 | 22.23 | 103.30 |
| 242 | a242a | | |
| | 88 | 22.23 | 103.30 |
| 243 | a243a | | |
| | 36 | 22.75 | 102.11 |
| 244 | a244a | | |
| | 124 | 24.72 | 103.46 |
| 245 | a245a | | |
| | 17 | 27.26 | 109.38 |
| 246 | a246a | | |
| | 80 | 26.25 | 103.46 |
| 247 | a247a | | |
| | 40 | 21.50 | 102.20 |
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| | 3 | 28.16 | 107.50 |
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| | 5 | 16.90 | 95.90 |
| 250 | a250a | | |
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| 251 | a251a | | |
| | 1 | 16.50 | 90.50 |
| 252 | a252a | | |
| | 123 | 21.73 | 100.80 |

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| 253 | a253a | | |
| | 84 | 21.96 | 101.15 |
| 254 | a254a | | |
| | 1 | 21.50 | 104.50 |
| 255 | a255a | | |
| | 1 | 17.50 | 99.50 |
| 256 | a256a | | |
| | 84 | 20.82 | 100.67 |
| 257 | a257a | | |
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| 264 | a264a | | |
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| 267 | a267a | | |
| | 75 | 25.16 | 104.28 |
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| | 75 | 25.16 | 104.28 |
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| | 66 | 23.43 | 104.31 |
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| 273 | a273a | | |
| | 52 | 22.32 | 102.48 |
| 274 | a274a | | |
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| | 57 | 19.47 | 97.31 |

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| 277 | a277a | | |
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| 283 | a283a | | |
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| 287 | a287a | | |
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| 288 | a288a | | |
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| 289 | a289a | | |
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| 290 | a290a | | |
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| 291 | a291a | | |
| | 43 | 19.33 | 96.61 |
| 292 | a292a | | |
| | 43 | 19.33 | 96.61 |
| 293 | a293a | | |
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| | 50 | 22.52 | 101.72 |

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| | 56 | 21.92 | 100.05 |

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| 327 | a327a | | |
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| | 23 | 23.36 | 104.67 |

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| 417 | a417a | | |
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| 418 | a418a | | |
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| 419 | a419a | | |
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| 433 | a433a | | |
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| 441 | a441a | | |
| | 63 | 25.18 | 103.10 |
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| | 210 | 23.63 | 101.89 |
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| | 63 | 22.84 | 102.40 |
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| 448 | a448a | | |
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| | 2 | 24.50 | 108.50 |
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| | 11 | 19.13 | 96.77 |

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| 463 | a463a | | |
| | 2 | 16.00 | 91.50 |
| 464 | a464a | | |
| | 3 | 11.33 | 64.66 |
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| 466 | a466a | | |
| | 91 | 24.48 | 100.54 |
| 467 | a467a | | |
| | 60 | 20.66 | 99.98 |
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| | 3 | 26.83 | 109.50 |
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| | 102 | 24.60 | 104.09 |
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| | 18 | 19.00 | 99.27 |
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| | 3 | 19.16 | 97.83 |
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| | 60 | 21.48 | 101.36 |
| 474 | a474a | | |
| | 48 | 23.18 | 102.85 |
| 475 | a475a | | |
| | 7 | 17.64 | 97.21 |
| 476 | a476a | | |
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| 477 | a477a | | |
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| | 9 | 19.61 | 102.72 |

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| | 61 | 25.22 | 105.36 |
| 488 | a488a | | |
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| | 18 | 18.50 | 93.44 |
| 492 | a492a | | |
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| 494 | a494a | | |
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| | 38 | 19.76 | 96.07 |
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| | 2 | 17.00 | 91.00 |
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| | 78 | 26.00 | 105.88 |
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| | 19 | 16.57 | 90.05 |
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| | 36 | 18.36 | 95.25 |
| 510 | a510a | | |
| | 36 | 18.36 | 95.25 |
| 511 | a511a | | |
| | 97 | 23.07 | 101.85 |
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| | 92 | 23.10 | 102.10 |
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| | 89 | 20.92 | 99.30 |
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| | 61 | 20.38 | 99.02 |
| 520 | a520a | | |
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| | 2 | 17.50 | 93.00 |
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| | 33 | 19.71 | 99.25 |
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| | 130 | 23.36 | 102.33 |
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| | 15 | 19.36 | 90.96 |
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| | 4 | 21.25 | 104.25 |
| 533 | a533a | | |
| | 91 | 24.11 | 103.41 |
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| | 83 | 20.49 | 98.13 |
| 544 | a544a | | |
| | 11 | 20.04 | 89.31 |
| 545 | a545a | | |
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| | 54 | 21.24 | 100.98 |
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| | 31 | 19.90 | 93.19 |
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| | 15 | 18.30 | 95.16 |

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| | 4 | 30.50 | 110.75 |
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| | 4 | 28.00 | 101.00 |

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| | 16 | 20.37 | 90.31 |
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| 582 | a582a | | |
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| | 156 | 22.75 | 100.23 |
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| | 24 | 19.62 | 101.66 |
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| | 31 | 24.27 | 104.37 |
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| 588 | a588a | | |
| | 127 | 22.61 | 99.33 |
| 589 | a589a | | |
| | 26 | 22.73 | 102.26 |
| 590 | a590a | | |
| | 35 | 19.04 | 100.92 |
| 591 | a591a | | |
| | 18 | 27.11 | 105.83 |
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| | 8 | 22.87 | 103.00 |

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| | 6 | 21.33 | 102.00 |
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| | 12 | 17.91 | 96.33 |
| 607 | a607a | | |
| | 137 | 25.41 | 104.77 |
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| | 9 | 18.27 | 100.94 |
| 609 | a609a | | |
| | 15 | 19.90 | 102.90 |
| 610 | a610a | | |
| | 3 | 28.16 | 113.83 |
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| | 4 | 31.25 | 115.75 |
| 612 | a612a | | |
| | 6 | 27.50 | 107.16 |
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| | 41 | 23.28 | 100.93 |
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| | 13 | 29.88 | 111.88 |
| 617 | a617a | | |
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| 619 | a619a | | |
| | 70 | 23.30 | 103.27 |
| 620 | a620a | | |
| | 18 | 18.83 | 101.22 |

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| 622 | a622a | | |
| | 76 | 20.29 | 97.87 |
| 623 | a623a | | |
| | 76 | 20.29 | 97.87 |
| 624 | a624a | | |
| | 37 | 19.90 | 99.47 |
| 625 | a625a | | |
| | 175 | 23.66 | 102.36 |
| 626 | a626a | | |
| | 104 | 25.85 | 104.06 |
| 627 | a627a | | |
| | 12 | 28.58 | 114.16 |
| 628 | a628a | | |
| | 19 | 19.71 | 96.76 |
| 629 | a629a | | |
| | 19 | 19.71 | 96.76 |
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| 632 | a632a | | |
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| | 1 | 17.50 | 99.50 |
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| 637 | a637a | | |
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| 638 | a638a | | |
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| 639 | a639a | | |
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| 653 | a653a | | |
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| 656 | a656a | | |
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| | 2 | 17.00 | 93.00 |
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| 674 | a674a | | |
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| 675 | a675a | | |
| | 23 | 16.47 | 90.39 |
| 676 | a676a | | |
| | 20 | 16.47 | 89.12 |
| 677 | a677a | | |
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| | 21 | 26.26 | 103.35 |
| 680 | a680a | | |
| | 18 | 28.94 | 108.38 |
| 681 | a681a | | |
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| 682 | a682a | | |
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| 684 | a684a | | |
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136

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C000 C147 C254 C337 C372

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C027 C059

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88

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C180 C181

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626 630 631 634 635 673 674 693 694

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C310 C375

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NL_0_AID_15

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C056 C091

1 1

171

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NL_0_AID_17

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C086 C118

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156

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NL_0_AID_19

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C088 C119

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NL_0_AID_20

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C122 C249

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330

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NL_0_AID_32

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C218 C219

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195

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NL_0_AID_33

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C151 C182

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181

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563 568 576 583 584 586 587 588 590 592 599 602 607 608 609 617 618 620 621 622
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C183 C184 C216

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181

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C117 C150

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NL_0_AID_40

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C060 C126

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C157 C253

11

178

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324 325 326 327 333 337 342 350 351 352 353 358 372 378 379 380 393 395 396 397

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NL_0_AID_72

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C163 C230

11

92

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653 654 675 676

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NL_0_AID_76

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C217 C250

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78

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545 563 576 583 588 607 613 615 617 625 626 631 634 635

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NL_0_AID_78

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C247 C248

11

241

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204 205 208 214 215 221 222 227 228 229 230 231 234 235 236 237 238 239 240 241
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588 589 590 592 594 607 609 613 615 617 618 619 621 622 623 624 625 626 631 634
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NL_0_AID_82

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C343 C410

1 1

167

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266 267 268 271 272 273 286 287 288 313 317 326 337 346 349 350 351 358 359 369
375 381 382 386 387 388 393 395 400 401 403 410 416 429 430 434 435 436 439 440
441 444 445 450 456 460 466 469 473 474 481 483 485 487 504 505 511 513 518 519
520 522 525 526 527 530 533 536 537 543 549 563 569 572 583 585 586 588 591 607
615 617 618 619 621 622 623 625 626 631 634 635 655 657 658 668 670 673 674 678
679

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NL_0_AID_86

2

C313 C346

1 1

134

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470 472 473 481 485 487 504 505 511 513 525 526 527 530 533 563 572 573 583 586

588 589 591 592 594 607 615 617 621 622 623 624 625 626 631 634 635 638 639 649
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NL_0_AID_89

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C350 C382

1 1

201

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171 176 182 189 190 195 198 199 227 228 229 230 231 232 233 234 235 236 237 238
240 241 242 243 244 246 252 253 267 268 286 287 288 295 298 313 317 319 320 321
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NL_0_AID_92

2

C282 C314

1 1

126

20 22 23 28 30 34 35 46 47 49 50 62 72 73 74 75 76 89 90 96 97 100 102 103 104 106
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C441 C474

1 1

162

20 21 28 30 34 35 46 47 48 62 65 72 73 76 89 90 100 101 120 121 122 123 124 125 130
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 214 215 227 230 231 232 233 237 239 240 241 242 243 244 246 247 252 253 256 264
 265 266 267 268 271 272 273 286 287 288 295 298 313 317 326 331 332 346 349 350
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 439 440 441 444 445 450 455 456 460 466 469 474 483 485 487 504 505 511 513 515
 516 517 527 530 533 563 564 570 572 579 583 586 588 589 591 607 612 615 617 618
 619 625 626 631 634 635 638 640 655 656 657 658 673 674 678 680 681

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NL_0_AID_111

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C475 C476

1 1

123

8 11 18 19 28 30 39 40 41 46 47 62 72 73 75 76 123 124 125 132 135 151 156 159 160
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 618 619 625 626 631 634 635 638 640 641 655 657 658 673 674 678 680 681

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 1 1 1 1 1 1 1 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 1 0
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NL_0_AID_119

2

C417 C448

1 1

68

28 30 46 47 54 55 62 72 75 96 98 103 104 112 119 151 156 158 195 196 197 244 246
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 655 657 658 673 674

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NL_0_AID_121

2

C442 C573

11

76

46 47 54 55 62 72 73 75 76 96 98 123 124 125 151 156 159 160 165 177 178 179 227
229 230 231 244 246 252 253 286 288 326 340 341 346 349 358 359 369 372 393 395
400 403 436 439 440 441 444 445 450 456 466 469 511 513 527 530 533 583 586 588
591 607 615 617 618 619 625 626 631 634 635 655 656

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C445 C449 C477 C478 C514 C575

111111

76

18 19 46 47 62 72 73 75 76 96 98 100 102 103 104 123 126 130 131 151 156 159 160
165 182 189 190 227 229 244 246 286 288 326 329 346 358 359 364 372 384 385 393
395 436 439 440 441 444 456 466 481 504 505 506 527 530 563 574 575 583 588 607
613 615 625 626 631 634 635 655 656 657 658 673 674

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C513 C542

11

89

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C342 C374

1 1

105

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NL_0_AID_126

2

C407 C440

1 1

194

16 17 18 19 20 21 23 31 33 34 35 46 47 62 65 71 73 76 78 80 81 89 90 96 98 100 101
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179 182 191 203 205 208 214 215 227 228 229 230 231 232 233 236 240 241 242 244
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NL_0_AID_133

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C438 C471

11

80

8 9 46 47 62 66 73 76 78 96 98 137 138 139 151 154 156 160 177 178 179 227 236 240
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NL_0_AID_139

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C274 C466

11

39

18 19 62 68 69 79 151 156 271 272 326 329 347 348 349 358 362 365 367 368 381 382
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NL_0_AID_141

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C307 C371

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84

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NL_0_AID_148

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C564 C597

11

134

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NL_0_AID_156

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C406 C470

11

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NL_0_AID_159

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C244 C260

11

26

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NL_0_AID_160

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C373 C404

11

39

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C412 C434

11

21

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NL_0_AID_164

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C480 C572

11

53

18 19 46 47 103 104 123 124 125 171 176 177 178 179 227 230 231 232 233 236 244
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