# Heuristic 1

Started at: 1490272833332

- Solution #1 found. Solver[Solver-0], 1 Solutions, Resolution time 0.829s, 198 Nodes (238.8 n/s), 0 Backtracks, 0 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 1 feature\_root1\_F2 = 1 feature\_root1\_F3 = 1 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 1 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 1 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 1 feature\_root1\_F21 = 1 feature\_root1\_F203 = 1 feature\_root1\_F204 = 1 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 1 feature\_root1\_F207 = 1 feature\_root1\_F14 = 1 feature\_root1\_F67 = 1 feature\_root1\_F68 = 1 feature\_root1\_F234 = 1 feature\_root1\_F69 = 1 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 1 feature\_root1\_F229 = 1 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 1 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 1 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 1 feature\_root2\_F143 = 1 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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feature\_root2\_F162 = 0 feature\_root2\_F163 = 0 feature\_root2\_F164 = 0 feature\_root2\_F255 = 0 feature\_root2\_F256 = 0 feature\_root2\_F105 = 0 feature\_root2\_F106 = 0 feature\_root2\_F144 = 0 feature\_root2\_F145 = 0 feature\_root2\_F146 = 0 feature\_root2\_F187 = 0 feature\_root2\_F248 = 0 feature\_root2\_F249 = 0 feature\_root2\_F250 = 0 feature\_root2\_F251 = 0 feature\_root2\_F252 = 0 feature\_root2\_F253 = 0 feature\_root2\_F254 = 0 feature\_root2\_F188 = 0 feature\_root2\_F189 = 0 feature\_root2\_F190 = 0 feature\_root2\_F191 = 0 feature\_root2\_F192 = 0 feature\_root2\_F193 = 0 feature\_root2\_F194 = 0 feature\_root2\_F195 = 0 feature\_root2\_F147 = 0 feature\_root2\_F148 = 0 feature\_root2\_F149 = 0 feature\_root2\_F150 = 0 feature\_root2\_F107 = 0 feature\_root2\_F295 = 0 feature\_root2\_F305 = 0 feature\_root2\_F306 = 0 feature\_root2\_F307 = 0 feature\_root2\_F308 = 0 feature\_root2\_F309 = 0 feature\_root2\_F310 = 0 feature\_root2\_F311 = 0 feature\_root2\_F312 = 0 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feature\_root2\_F300 = 0 feature\_root2\_F301 = 0 feature\_root2\_F302 = 0 feature\_root2\_F303 = 0 feature\_root2\_F304 = 0 feature\_root2\_F29 = 0 feature\_root2\_F30 = 0 feature\_root2\_F54 = 0 feature\_root2\_F55 = 0 feature\_root2\_F56 = 0 feature\_root2\_F57 = 0 feature\_root2\_F232 = 0 feature\_root2\_F233 = 0 feature\_root2\_F257 = 0 feature\_root2\_F258 = 0 feature\_root2\_F259 = 0 feature\_root2\_F260 = 0 feature\_root2\_F261 = 0 feature\_root2\_F262 = 0 feature\_root2\_F263 = 0 feature\_root2\_F264 = 0 feature\_root2\_F265 = 0 feature\_root2\_F314 = 0 feature\_root2\_F315 = 0 feature\_root2\_F316 = 0 feature\_root2\_F317 = 0 feature\_root2\_F318 = 0 feature\_root2\_F266 = 0 feature\_root2\_F234 = 0 feature\_root2\_F235 = 0 feature\_root2\_F236 = 0 feature\_root2\_F237 = 0 feature\_root2\_F238 = 0 feature\_root2\_F239 = 0 feature\_root2\_F58 = 0 feature\_root2\_F319 = 0 feature\_root2\_F59 = 0 feature\_root2\_F68 = 0 feature\_root2\_F69 = 0 feature\_root2\_F130 = 0 feature\_root2\_F131 = 0 feature\_root2\_F132 = 0 feature\_root2\_F133 = 0 feature\_root2\_F134 = 0 feature\_root2\_F70 = 0 feature\_root2\_F60 = 0 feature\_root2\_F79 = 0 feature\_root2\_F80 = 0 feature\_root2\_F204 = 0 feature\_root2\_F205 = 0 feature\_root2\_F206 = 0 feature\_root2\_F207 = 0 feature\_root2\_F208 = 0 feature\_root2\_F209 = 0 feature\_root2\_F210 = 0 feature\_root2\_F81 = 0 feature\_root2\_F61 = 0 feature\_root2\_F151 = 0 feature\_root2\_F152 = 0 feature\_root2\_F153 = 0 feature\_root2\_F154 = 0 feature\_root2\_F23 = 0 feature\_root2\_F135 = 0 feature\_root2\_F136 = 0 feature\_root2\_F137 = 0 feature\_root2\_F138 = 0 feature\_root2\_F139 = 0 feature\_root2\_F140 = 0 feature\_root2\_F141 = 0 feature\_root2\_F142 = 0 feature\_root2\_F24 = 0 feature\_root2\_F25 = 0 feature\_root2\_F16 = 0 feature\_root2\_F17 = 0 feature\_root2\_F11 = 0 feature\_root2\_F4 = 1 feature\_root2\_F5 = 1 feature\_root3\_root = 1 feature\_root3\_F1 = 1 feature\_root3\_F2 = 1 feature\_root3\_F3 = 1 feature\_root3\_F293 = 1 feature\_root3\_F4 = 1 feature\_root3\_F7 = 1 feature\_root3\_F189 = 1 feature\_root3\_F190 = 1 feature\_root3\_F191 = 1 feature\_root3\_F192 = 1 feature\_root3\_F193 = 1 feature\_root3\_F8 = 1 feature\_root3\_F171 = 1 feature\_root3\_F172 = 1 feature\_root3\_F173 = 1 feature\_root3\_F248 = 1 feature\_root3\_F249 = 1 feature\_root3\_F250 = 1 feature\_root3\_F174 = 1 feature\_root3\_F9 = 1 feature\_root3\_F21 = 1 feature\_root3\_F40 = 1 feature\_root3\_F41 = 1 feature\_root3\_F138 = 1 feature\_root3\_F139 = 1 feature\_root3\_F142 = 1 feature\_root3\_F143 = 1 feature\_root3\_F144 = 1 feature\_root3\_F145 = 1 feature\_root3\_F146 = 1 feature\_root3\_F147 = 1 feature\_root3\_F140 = 1 feature\_root3\_F141 = 1 feature\_root3\_F42 = 1 feature\_root3\_F258 = 1 feature\_root3\_F259 = 1 feature\_root3\_F260 = 1 feature\_root3\_F261 = 1 feature\_root3\_F43 = 1 feature\_root3\_F44 = 0 feature\_root3\_F45 = 1 feature\_root3\_F186 = 1 feature\_root3\_F187 = 1 feature\_root3\_F300 = 1 feature\_root3\_F301 = 1 feature\_root3\_F188 = 1 feature\_root3\_F46 = 1 feature\_root3\_F82 = 1 feature\_root3\_F83 = 1 feature\_root3\_F47 = 1 feature\_root3\_F22 = 1 feature\_root3\_F109 = 1 feature\_root3\_F110 = 1 feature\_root3\_F135 = 1 feature\_root3\_F136 = 1 feature\_root3\_F137 = 1 feature\_root3\_F111 = 1 feature\_root3\_F196 = 1 feature\_root3\_F197 = 1 feature\_root3\_F198 = 1 feature\_root3\_F199 = 1 feature\_root3\_F200 = 1 feature\_root3\_F201 = 1 feature\_root3\_F112 = 0 feature\_root3\_F234 = 0 feature\_root3\_F235 = 0 feature\_root3\_F236 = 0 feature\_root3\_F237 = 0 feature\_root3\_F238 = 0 feature\_root3\_F239 = 0 feature\_root3\_F240 = 0 feature\_root3\_F113 = 1 feature\_root3\_F121 = 1 feature\_root3\_F122 = 1 feature\_root3\_F123 = 1 feature\_root3\_F124 = 1 feature\_root3\_F114 = 1 feature\_root3\_F10 = 1 feature\_root3\_F11 = 1 feature\_root3\_F15 = 1 feature\_root3\_F16 = 0 feature\_root3\_F23 = 0 feature\_root3\_F24 = 0 feature\_root3\_F17 = 0 feature\_root3\_F50 = 0 feature\_root3\_F51 = 0 feature\_root3\_F52 = 0 feature\_root3\_F53 = 0 feature\_root3\_F54 = 0 feature\_root3\_F175 = 0 feature\_root3\_F176 = 0 feature\_root3\_F181 = 0 feature\_root3\_F182 = 0 feature\_root3\_F222 = 0 feature\_root3\_F223 = 0 feature\_root3\_F183 = 0 feature\_root3\_F184 = 0 feature\_root3\_F185 = 0 feature\_root3\_F177 = 0 feature\_root3\_F178 = 0 feature\_root3\_F179 = 0 feature\_root3\_F180 = 0 feature\_root3\_F55 = 0 feature\_root3\_F56 = 0 feature\_root3\_F84 = 0 feature\_root3\_F85 = 0 feature\_root3\_F86 = 0 feature\_root3\_F87 = 0 feature\_root3\_F88 = 0 feature\_root3\_F89 = 0 feature\_root3\_F90 = 0 feature\_root3\_F57 = 0 feature\_root3\_F125 = 0 feature\_root3\_F202 = 0 feature\_root3\_F203 = 0 feature\_root3\_F204 = 0 feature\_root3\_F126 = 0 feature\_root3\_F127 = 0 feature\_root3\_F58 = 0 feature\_root3\_F18 = 1 feature\_root3\_F215 = 1 feature\_root3\_F241 = 1 feature\_root3\_F242 = 1 feature\_root3\_F243 = 1 feature\_root3\_F244 = 1 feature\_root3\_F245 = 1 feature\_root3\_F294 = 0 feature\_root3\_F295 = 1 feature\_root3\_F296 = 1 feature\_root3\_F297 = 1 feature\_root3\_F298 = 1 feature\_root3\_F299 = 1 feature\_root3\_F246 = 1 feature\_root3\_F247 = 1 feature\_root3\_F291 = 1 feature\_root3\_F292 = 1 feature\_root3\_F216 = 1 feature\_root3\_F217 = 1 feature\_root3\_F218 = 1 feature\_root3\_F219 = 1 feature\_root3\_F319 = 1 feature\_root3\_F220 = 1 feature\_root3\_F221 = 1 feature\_root3\_F12 = 1 feature\_root3\_F20 = 1 feature\_root3\_F262 = 1 feature\_root3\_F263 = 1 feature\_root3\_F264 = 1 feature\_root3\_F265 = 1 feature\_root3\_F13 = 0 feature\_root3\_F14 = 1 feature\_root3\_F19 = 1 feature\_root3\_F48 = 1 feature\_root3\_F153 = 1 feature\_root3\_F154 = 0 feature\_root3\_F318 = 0 feature\_root3\_F155 = 1 feature\_root3\_F156 = 1 feature\_root3\_F157 = 1 feature\_root3\_F158 = 1 feature\_root3\_F159 = 1 feature\_root3\_F160 = 1 feature\_root3\_F49 = 0 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root5\_F300Atribute1 = 47 root5\_F300Atribute0 = 54 root5\_F301Atribute1 = 12 root5\_F301Atribute0 = 13 root5\_F193Atribute1 = 33 root5\_F193Atribute0 = 60 root5\_F194Atribute1 = 40 root5\_F194Atribute0 = 84 root5\_F195Atribute1 = 15 root5\_F195Atribute0 = 61 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 79 root5\_F227Atribute0 = 14 root5\_F198Atribute1 = 92 root5\_F198Atribute0 = 36 root5\_F95Atribute1 = 74 root5\_F95Atribute0 = 78 root5\_F266Atribute1 = 60 root5\_F266Atribute0 = 51 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 60 root5\_F269Atribute0 = 73 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 91 root5\_F208Atribute0 = 99 root5\_F209Atribute1 = 61 root5\_F209Atribute0 = 67 root5\_F210Atribute1 = 50 root5\_F210Atribute0 = 59 root5\_F211Atribute1 = 10 root5\_F211Atribute0 = 91 root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 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root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 100 root5\_F255Atribute0 = 92 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 89 root5\_F45Atribute0 = 51 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 99 root5\_F257Atribute0 = 9 root5\_F258Atribute1 = 48 root5\_F258Atribute0 = 56 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 5 root5\_F260Atribute0 = 93 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 4 root5\_F262Atribute0 = 37 root5\_F263Atribute1 = 7 root5\_F263Atribute0 = 34 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 56 root5\_F292Atribute0 = 72 root5\_F293Atribute1 = 8 root5\_F293Atribute0 = 88 root5\_F294Atribute1 = 11 root5\_F294Atribute0 = 25 root5\_F295Atribute1 = 91 root5\_F295Atribute0 = 17 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 44 root5\_F277Atribute0 = 34 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 56 root5\_F233Atribute0 = 25 root5\_F234Atribute1 = 25 root5\_F234Atribute0 = 22 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 28 root5\_F166Atribute0 = 100 root5\_F167Atribute1 = 47 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 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root5\_F241Atribute1 = 97 root5\_F241Atribute0 = 76 root5\_F242Atribute1 = 67 root5\_F242Atribute0 = 40 root5\_F243Atribute1 = 11 root5\_F243Atribute0 = 25 root5\_F244Atribute1 = 88 root5\_F244Atribute0 = 13 root5\_F245Atribute1 = 59 root5\_F245Atribute0 = 87 root5\_F246Atribute1 = 67 root5\_F246Atribute0 = 48 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 69 root5\_F160Atribute0 = 86 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 52 root5\_F162Atribute0 = 47 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 77 root5\_F165Atribute0 = 98 root5\_F116Atribute1 = 47 root5\_F116Atribute0 = 13 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18361 totalAtribute1 = -18765 .

- Solution #2 found. Solver[Solver-0], 2 Solutions, Resolution time 0.977s, 199 Nodes (203.7 n/s), 1 Backtracks, 0 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 1 feature\_root1\_F3 = 1 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 1 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 1 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 1 feature\_root1\_F21 = 1 feature\_root1\_F203 = 1 feature\_root1\_F204 = 1 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 1 feature\_root1\_F207 = 1 feature\_root1\_F14 = 1 feature\_root1\_F67 = 1 feature\_root1\_F68 = 1 feature\_root1\_F234 = 1 feature\_root1\_F69 = 1 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 1 feature\_root1\_F229 = 1 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 1 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 1 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 1 feature\_root2\_F143 = 1 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 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59 root4\_F211Atribute1 = 7 root4\_F211Atribute0 = 48 root4\_F212Atribute1 = 63 root4\_F212Atribute0 = 81 root4\_F213Atribute1 = 11 root4\_F213Atribute0 = 62 root4\_F39Atribute1 = 0 root4\_F39Atribute0 = 0 root4\_F40Atribute1 = 0 root4\_F40Atribute0 = 0 root4\_F51Atribute1 = 0 root4\_F51Atribute0 = 0 root4\_F42Atribute1 = 0 root4\_F42Atribute0 = 0 root4\_F43Atribute1 = 0 root4\_F43Atribute0 = 0 root4\_F44Atribute1 = 0 root4\_F44Atribute0 = 0 root4\_F194Atribute1 = 28 root4\_F194Atribute0 = 9 root4\_F195Atribute1 = 84 root4\_F195Atribute0 = 57 root4\_F196Atribute1 = 16 root4\_F196Atribute0 = 70 root4\_F197Atribute1 = 50 root4\_F197Atribute0 = 68 root4\_F198Atribute1 = 77 root4\_F198Atribute0 = 54 root4\_F199Atribute1 = 28 root4\_F199Atribute0 = 91 root4\_F200Atribute1 = 71 root4\_F200Atribute0 = 97 root4\_F201Atribute1 = 28 root4\_F201Atribute0 = 65 root4\_F202Atribute1 = 15 root4\_F202Atribute0 = 96 root4\_F203Atribute1 = 71 root4\_F203Atribute0 = 34 root4\_F108Atribute1 = 0 root4\_F108Atribute0 = 0 root4\_F179Atribute1 = 0 root4\_F179Atribute0 = 0 root4\_F180Atribute1 = 0 root4\_F180Atribute0 = 0 root4\_F116Atribute1 = 0 root4\_F116Atribute0 = 0 root4\_F239Atribute1 = 0 root4\_F239Atribute0 = 0 root4\_F118Atribute1 = 0 root4\_F118Atribute0 = 0 root4\_F119Atribute1 = 0 root4\_F119Atribute0 = 0 root4\_F319Atribute1 = 0 root4\_F319Atribute0 = 0 root4\_F241Atribute1 = 0 root4\_F241Atribute0 = 0 root4\_F242Atribute1 = 0 root4\_F242Atribute0 = 0 root4\_F243Atribute1 = 0 root4\_F243Atribute0 = 0 root4\_F244Atribute1 = 0 root4\_F244Atribute0 = 0 root4\_F263Atribute1 = 0 root4\_F263Atribute0 = 0 root4\_F264Atribute1 = 0 root4\_F264Atribute0 = 0 root4\_F265Atribute1 = 0 root4\_F265Atribute0 = 0 root4\_F266Atribute1 = 0 root4\_F266Atribute0 = 0 root4\_F267Atribute1 = 0 root4\_F267Atribute0 = 0 root4\_F268Atribute1 = 0 root4\_F268Atribute0 = 0 root4\_F269Atribute1 = 0 root4\_F269Atribute0 = 0 root4\_F246Atribute1 = 0 root4\_F246Atribute0 = 0 root4\_F247Atribute1 = 0 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root5\_F23Atribute0 = 0 root5\_F32Atribute1 = 89 root5\_F32Atribute0 = 30 root5\_F315Atribute1 = 26 root5\_F315Atribute0 = 23 root5\_F316Atribute1 = 55 root5\_F316Atribute0 = 56 root5\_F317Atribute1 = 35 root5\_F317Atribute0 = 95 root5\_F318Atribute1 = 59 root5\_F318Atribute0 = 0 root5\_F319Atribute1 = 45 root5\_F319Atribute0 = 72 root5\_F37Atribute1 = 88 root5\_F37Atribute0 = 28 root5\_F236Atribute1 = 43 root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 41 root5\_F43Atribute0 = 97 root5\_F41Atribute1 = 0 root5\_F41Atribute0 = 0 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 36 root5\_F24Atribute0 = 97 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 1 root5\_F265Atribute0 = 8 root5\_F148Atribute1 = 11 root5\_F148Atribute0 = 32 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 0 root5\_F151Atribute0 = 0 root5\_F152Atribute1 = 32 root5\_F152Atribute0 = 62 root5\_F289Atribute1 = 25 root5\_F289Atribute0 = 33 root5\_F290Atribute1 = 70 root5\_F290Atribute0 = 10 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 36 root5\_F154Atribute0 = 55 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 42 root5\_F53Atribute0 = 68 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 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root5\_F130Atribute0 = 0 root5\_F131Atribute1 = 0 root5\_F131Atribute0 = 0 root5\_F132Atribute1 = 0 root5\_F132Atribute0 = 0 root5\_F133Atribute1 = 0 root5\_F133Atribute0 = 0 root5\_F73Atribute1 = 0 root5\_F73Atribute0 = 0 root5\_F74Atribute1 = 0 root5\_F74Atribute0 = 0 root5\_F55Atribute1 = 31 root5\_F55Atribute0 = 41 root5\_F56Atribute1 = 0 root5\_F56Atribute0 = 0 root5\_F205Atribute1 = 62 root5\_F205Atribute0 = 83 root5\_F206Atribute1 = 50 root5\_F206Atribute0 = 83 root5\_F207Atribute1 = 53 root5\_F207Atribute0 = 17 root5\_F66Atribute1 = 93 root5\_F66Atribute0 = 85 root5\_F58Atribute1 = 70 root5\_F58Atribute0 = 10 root5\_F59Atribute1 = 66 root5\_F59Atribute0 = 66 root5\_F60Atribute1 = 65 root5\_F60Atribute0 = 97 root5\_F199Atribute1 = 0 root5\_F199Atribute0 = 0 root5\_F200Atribute1 = 0 root5\_F200Atribute0 = 0 root5\_F228Atribute1 = 0 root5\_F228Atribute0 = 0 root5\_F229Atribute1 = 0 root5\_F229Atribute0 = 0 root5\_F230Atribute1 = 0 root5\_F230Atribute0 = 0 root5\_F202Atribute1 = 0 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root5\_F300Atribute1 = 47 root5\_F300Atribute0 = 54 root5\_F301Atribute1 = 12 root5\_F301Atribute0 = 13 root5\_F193Atribute1 = 33 root5\_F193Atribute0 = 60 root5\_F194Atribute1 = 40 root5\_F194Atribute0 = 84 root5\_F195Atribute1 = 15 root5\_F195Atribute0 = 61 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 79 root5\_F227Atribute0 = 14 root5\_F198Atribute1 = 92 root5\_F198Atribute0 = 36 root5\_F95Atribute1 = 74 root5\_F95Atribute0 = 78 root5\_F266Atribute1 = 60 root5\_F266Atribute0 = 51 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 60 root5\_F269Atribute0 = 73 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 91 root5\_F208Atribute0 = 99 root5\_F209Atribute1 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root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 100 root5\_F255Atribute0 = 92 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 89 root5\_F45Atribute0 = 51 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 99 root5\_F257Atribute0 = 9 root5\_F258Atribute1 = 48 root5\_F258Atribute0 = 56 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 5 root5\_F260Atribute0 = 93 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 4 root5\_F262Atribute0 = 37 root5\_F263Atribute1 = 7 root5\_F263Atribute0 = 34 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 56 root5\_F292Atribute0 = 72 root5\_F293Atribute1 = 8 root5\_F293Atribute0 = 88 root5\_F294Atribute1 = 11 root5\_F294Atribute0 = 25 root5\_F295Atribute1 = 91 root5\_F295Atribute0 = 17 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 44 root5\_F277Atribute0 = 34 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 56 root5\_F233Atribute0 = 25 root5\_F234Atribute1 = 25 root5\_F234Atribute0 = 22 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 28 root5\_F166Atribute0 = 100 root5\_F167Atribute1 = 47 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 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root5\_F241Atribute1 = 97 root5\_F241Atribute0 = 76 root5\_F242Atribute1 = 67 root5\_F242Atribute0 = 40 root5\_F243Atribute1 = 11 root5\_F243Atribute0 = 25 root5\_F244Atribute1 = 88 root5\_F244Atribute0 = 13 root5\_F245Atribute1 = 59 root5\_F245Atribute0 = 87 root5\_F246Atribute1 = 67 root5\_F246Atribute0 = 48 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 69 root5\_F160Atribute0 = 86 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 52 root5\_F162Atribute0 = 47 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 77 root5\_F165Atribute0 = 98 root5\_F116Atribute1 = 47 root5\_F116Atribute0 = 13 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18320 totalAtribute1 = -18696 .

- Solution #3 found. Solver[Solver-0], 3 Solutions, Resolution time 1.023s, 201 Nodes (196.4 n/s), 3 Backtracks, 0 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 1 feature\_root1\_F2 = 0 feature\_root1\_F3 = 1 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 1 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 1 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 1 feature\_root1\_F21 = 1 feature\_root1\_F203 = 1 feature\_root1\_F204 = 1 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 1 feature\_root1\_F207 = 1 feature\_root1\_F14 = 1 feature\_root1\_F67 = 1 feature\_root1\_F68 = 1 feature\_root1\_F234 = 1 feature\_root1\_F69 = 1 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 1 feature\_root1\_F229 = 1 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 1 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 1 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 1 feature\_root2\_F143 = 1 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 = 0 feature\_root2\_F26 = 0 feature\_root2\_F82 = 0 feature\_root2\_F267 = 0 feature\_root2\_F268 = 0 feature\_root2\_F269 = 0 feature\_root2\_F270 = 0 feature\_root2\_F271 = 0 feature\_root2\_F272 = 0 feature\_root2\_F273 = 0 feature\_root2\_F274 = 0 feature\_root2\_F83 = 0 feature\_root2\_F90 = 0 feature\_root2\_F91 = 0 feature\_root2\_F92 = 0 feature\_root2\_F84 = 0 feature\_root2\_F85 = 0 feature\_root2\_F158 = 0 feature\_root2\_F159 = 0 feature\_root2\_F86 = 0 feature\_root2\_F87 = 0 feature\_root2\_F88 = 0 feature\_root2\_F89 = 0 feature\_root2\_F14 = 0 feature\_root2\_F27 = 0 feature\_root2\_F15 = 0 feature\_root2\_F18 = 0 feature\_root2\_F19 = 0 feature\_root2\_F20 = 0 feature\_root2\_F21 = 0 feature\_root2\_F31 = 0 feature\_root2\_F36 = 0 feature\_root2\_F103 = 0 feature\_root2\_F166 = 0 feature\_root2\_F167 = 0 feature\_root2\_F168 = 0 feature\_root2\_F104 = 0 feature\_root2\_F108 = 0 feature\_root2\_F109 = 0 feature\_root2\_F160 = 0 feature\_root2\_F161 = 0 feature\_root2\_F162 = 0 feature\_root2\_F163 = 0 feature\_root2\_F164 = 0 feature\_root2\_F255 = 0 feature\_root2\_F256 = 0 feature\_root2\_F105 = 0 feature\_root2\_F106 = 0 feature\_root2\_F144 = 0 feature\_root2\_F145 = 0 feature\_root2\_F146 = 0 feature\_root2\_F187 = 0 feature\_root2\_F248 = 0 feature\_root2\_F249 = 0 feature\_root2\_F250 = 0 feature\_root2\_F251 = 0 feature\_root2\_F252 = 0 feature\_root2\_F253 = 0 feature\_root2\_F254 = 0 feature\_root2\_F188 = 0 feature\_root2\_F189 = 0 feature\_root2\_F190 = 0 feature\_root2\_F191 = 0 feature\_root2\_F192 = 0 feature\_root2\_F193 = 0 feature\_root2\_F194 = 0 feature\_root2\_F195 = 0 feature\_root2\_F147 = 0 feature\_root2\_F148 = 0 feature\_root2\_F149 = 0 feature\_root2\_F150 = 0 feature\_root2\_F107 = 0 feature\_root2\_F295 = 0 feature\_root2\_F305 = 0 feature\_root2\_F306 = 0 feature\_root2\_F307 = 0 feature\_root2\_F308 = 0 feature\_root2\_F309 = 0 feature\_root2\_F310 = 0 feature\_root2\_F311 = 0 feature\_root2\_F312 = 0 feature\_root2\_F313 = 0 feature\_root2\_F32 = 0 feature\_root2\_F33 = 0 feature\_root2\_F34 = 0 feature\_root2\_F35 = 0 feature\_root2\_F42 = 0 feature\_root2\_F48 = 0 feature\_root2\_F230 = 0 feature\_root2\_F231 = 0 feature\_root2\_F49 = 0 feature\_root2\_F50 = 0 feature\_root2\_F165 = 0 feature\_root2\_F51 = 0 feature\_root2\_F52 = 0 feature\_root2\_F110 = 0 feature\_root2\_F111 = 0 feature\_root2\_F112 = 0 feature\_root2\_F113 = 0 feature\_root2\_F114 = 0 feature\_root2\_F181 = 0 feature\_root2\_F182 = 0 feature\_root2\_F183 = 0 feature\_root2\_F184 = 0 feature\_root2\_F240 = 0 feature\_root2\_F241 = 0 feature\_root2\_F242 = 0 feature\_root2\_F243 = 0 feature\_root2\_F244 = 0 feature\_root2\_F245 = 0 feature\_root2\_F246 = 0 feature\_root2\_F247 = 0 feature\_root2\_F185 = 0 feature\_root2\_F186 = 0 feature\_root2\_F115 = 0 feature\_root2\_F53 = 0 feature\_root2\_F43 = 0 feature\_root2\_F93 = 0 feature\_root2\_F279 = 0 feature\_root2\_F280 = 0 feature\_root2\_F281 = 0 feature\_root2\_F282 = 0 feature\_root2\_F283 = 0 feature\_root2\_F284 = 0 feature\_root2\_F285 = 0 feature\_root2\_F286 = 0 feature\_root2\_F287 = 0 feature\_root2\_F288 = 0 feature\_root2\_F94 = 0 feature\_root2\_F95 = 0 feature\_root2\_F96 = 0 feature\_root2\_F97 = 0 feature\_root2\_F98 = 0 feature\_root2\_F99 = 0 feature\_root2\_F169 = 0 feature\_root2\_F170 = 0 feature\_root2\_F176 = 0 feature\_root2\_F177 = 0 feature\_root2\_F178 = 0 feature\_root2\_F179 = 0 feature\_root2\_F180 = 0 feature\_root2\_F171 = 0 feature\_root2\_F172 = 0 feature\_root2\_F173 = 0 feature\_root2\_F289 = 0 feature\_root2\_F290 = 0 feature\_root2\_F291 = 0 feature\_root2\_F292 = 0 feature\_root2\_F293 = 0 feature\_root2\_F294 = 0 feature\_root2\_F174 = 0 feature\_root2\_F175 = 0 feature\_root2\_F100 = 0 feature\_root2\_F101 = 0 feature\_root2\_F102 = 0 feature\_root2\_F22 = 0 feature\_root2\_F28 = 0 feature\_root2\_F296 = 0 feature\_root2\_F297 = 0 feature\_root2\_F298 = 0 feature\_root2\_F299 = 0 feature\_root2\_F300 = 0 feature\_root2\_F301 = 0 feature\_root2\_F302 = 0 feature\_root2\_F303 = 0 feature\_root2\_F304 = 0 feature\_root2\_F29 = 0 feature\_root2\_F30 = 0 feature\_root2\_F54 = 0 feature\_root2\_F55 = 0 feature\_root2\_F56 = 0 feature\_root2\_F57 = 0 feature\_root2\_F232 = 0 feature\_root2\_F233 = 0 feature\_root2\_F257 = 0 feature\_root2\_F258 = 0 feature\_root2\_F259 = 0 feature\_root2\_F260 = 0 feature\_root2\_F261 = 0 feature\_root2\_F262 = 0 feature\_root2\_F263 = 0 feature\_root2\_F264 = 0 feature\_root2\_F265 = 0 feature\_root2\_F314 = 0 feature\_root2\_F315 = 0 feature\_root2\_F316 = 0 feature\_root2\_F317 = 0 feature\_root2\_F318 = 0 feature\_root2\_F266 = 0 feature\_root2\_F234 = 0 feature\_root2\_F235 = 0 feature\_root2\_F236 = 0 feature\_root2\_F237 = 0 feature\_root2\_F238 = 0 feature\_root2\_F239 = 0 feature\_root2\_F58 = 0 feature\_root2\_F319 = 0 feature\_root2\_F59 = 0 feature\_root2\_F68 = 0 feature\_root2\_F69 = 0 feature\_root2\_F130 = 0 feature\_root2\_F131 = 0 feature\_root2\_F132 = 0 feature\_root2\_F133 = 0 feature\_root2\_F134 = 0 feature\_root2\_F70 = 0 feature\_root2\_F60 = 0 feature\_root2\_F79 = 0 feature\_root2\_F80 = 0 feature\_root2\_F204 = 0 feature\_root2\_F205 = 0 feature\_root2\_F206 = 0 feature\_root2\_F207 = 0 feature\_root2\_F208 = 0 feature\_root2\_F209 = 0 feature\_root2\_F210 = 0 feature\_root2\_F81 = 0 feature\_root2\_F61 = 0 feature\_root2\_F151 = 0 feature\_root2\_F152 = 0 feature\_root2\_F153 = 0 feature\_root2\_F154 = 0 feature\_root2\_F23 = 0 feature\_root2\_F135 = 0 feature\_root2\_F136 = 0 feature\_root2\_F137 = 0 feature\_root2\_F138 = 0 feature\_root2\_F139 = 0 feature\_root2\_F140 = 0 feature\_root2\_F141 = 0 feature\_root2\_F142 = 0 feature\_root2\_F24 = 0 feature\_root2\_F25 = 0 feature\_root2\_F16 = 0 feature\_root2\_F17 = 0 feature\_root2\_F11 = 0 feature\_root2\_F4 = 1 feature\_root2\_F5 = 1 feature\_root3\_root = 1 feature\_root3\_F1 = 1 feature\_root3\_F2 = 1 feature\_root3\_F3 = 1 feature\_root3\_F293 = 1 feature\_root3\_F4 = 1 feature\_root3\_F7 = 1 feature\_root3\_F189 = 1 feature\_root3\_F190 = 1 feature\_root3\_F191 = 1 feature\_root3\_F192 = 1 feature\_root3\_F193 = 1 feature\_root3\_F8 = 1 feature\_root3\_F171 = 1 feature\_root3\_F172 = 1 feature\_root3\_F173 = 1 feature\_root3\_F248 = 1 feature\_root3\_F249 = 1 feature\_root3\_F250 = 1 feature\_root3\_F174 = 1 feature\_root3\_F9 = 1 feature\_root3\_F21 = 1 feature\_root3\_F40 = 1 feature\_root3\_F41 = 1 feature\_root3\_F138 = 1 feature\_root3\_F139 = 1 feature\_root3\_F142 = 1 feature\_root3\_F143 = 1 feature\_root3\_F144 = 1 feature\_root3\_F145 = 1 feature\_root3\_F146 = 1 feature\_root3\_F147 = 1 feature\_root3\_F140 = 1 feature\_root3\_F141 = 1 feature\_root3\_F42 = 1 feature\_root3\_F258 = 1 feature\_root3\_F259 = 1 feature\_root3\_F260 = 1 feature\_root3\_F261 = 1 feature\_root3\_F43 = 1 feature\_root3\_F44 = 0 feature\_root3\_F45 = 1 feature\_root3\_F186 = 1 feature\_root3\_F187 = 1 feature\_root3\_F300 = 1 feature\_root3\_F301 = 1 feature\_root3\_F188 = 1 feature\_root3\_F46 = 1 feature\_root3\_F82 = 1 feature\_root3\_F83 = 1 feature\_root3\_F47 = 1 feature\_root3\_F22 = 1 feature\_root3\_F109 = 1 feature\_root3\_F110 = 1 feature\_root3\_F135 = 1 feature\_root3\_F136 = 1 feature\_root3\_F137 = 1 feature\_root3\_F111 = 1 feature\_root3\_F196 = 1 feature\_root3\_F197 = 1 feature\_root3\_F198 = 1 feature\_root3\_F199 = 1 feature\_root3\_F200 = 1 feature\_root3\_F201 = 1 feature\_root3\_F112 = 0 feature\_root3\_F234 = 0 feature\_root3\_F235 = 0 feature\_root3\_F236 = 0 feature\_root3\_F237 = 0 feature\_root3\_F238 = 0 feature\_root3\_F239 = 0 feature\_root3\_F240 = 0 feature\_root3\_F113 = 1 feature\_root3\_F121 = 1 feature\_root3\_F122 = 1 feature\_root3\_F123 = 1 feature\_root3\_F124 = 1 feature\_root3\_F114 = 1 feature\_root3\_F10 = 1 feature\_root3\_F11 = 1 feature\_root3\_F15 = 1 feature\_root3\_F16 = 0 feature\_root3\_F23 = 0 feature\_root3\_F24 = 0 feature\_root3\_F17 = 0 feature\_root3\_F50 = 0 feature\_root3\_F51 = 0 feature\_root3\_F52 = 0 feature\_root3\_F53 = 0 feature\_root3\_F54 = 0 feature\_root3\_F175 = 0 feature\_root3\_F176 = 0 feature\_root3\_F181 = 0 feature\_root3\_F182 = 0 feature\_root3\_F222 = 0 feature\_root3\_F223 = 0 feature\_root3\_F183 = 0 feature\_root3\_F184 = 0 feature\_root3\_F185 = 0 feature\_root3\_F177 = 0 feature\_root3\_F178 = 0 feature\_root3\_F179 = 0 feature\_root3\_F180 = 0 feature\_root3\_F55 = 0 feature\_root3\_F56 = 0 feature\_root3\_F84 = 0 feature\_root3\_F85 = 0 feature\_root3\_F86 = 0 feature\_root3\_F87 = 0 feature\_root3\_F88 = 0 feature\_root3\_F89 = 0 feature\_root3\_F90 = 0 feature\_root3\_F57 = 0 feature\_root3\_F125 = 0 feature\_root3\_F202 = 0 feature\_root3\_F203 = 0 feature\_root3\_F204 = 0 feature\_root3\_F126 = 0 feature\_root3\_F127 = 0 feature\_root3\_F58 = 0 feature\_root3\_F18 = 1 feature\_root3\_F215 = 1 feature\_root3\_F241 = 1 feature\_root3\_F242 = 1 feature\_root3\_F243 = 1 feature\_root3\_F244 = 1 feature\_root3\_F245 = 1 feature\_root3\_F294 = 0 feature\_root3\_F295 = 1 feature\_root3\_F296 = 1 feature\_root3\_F297 = 1 feature\_root3\_F298 = 1 feature\_root3\_F299 = 1 feature\_root3\_F246 = 1 feature\_root3\_F247 = 1 feature\_root3\_F291 = 1 feature\_root3\_F292 = 1 feature\_root3\_F216 = 1 feature\_root3\_F217 = 1 feature\_root3\_F218 = 1 feature\_root3\_F219 = 1 feature\_root3\_F319 = 1 feature\_root3\_F220 = 1 feature\_root3\_F221 = 1 feature\_root3\_F12 = 1 feature\_root3\_F20 = 1 feature\_root3\_F262 = 1 feature\_root3\_F263 = 1 feature\_root3\_F264 = 1 feature\_root3\_F265 = 1 feature\_root3\_F13 = 0 feature\_root3\_F14 = 1 feature\_root3\_F19 = 1 feature\_root3\_F48 = 1 feature\_root3\_F153 = 1 feature\_root3\_F154 = 0 feature\_root3\_F318 = 0 feature\_root3\_F155 = 1 feature\_root3\_F156 = 1 feature\_root3\_F157 = 1 feature\_root3\_F158 = 1 feature\_root3\_F159 = 1 feature\_root3\_F160 = 1 feature\_root3\_F49 = 0 feature\_root3\_F68 = 0 feature\_root3\_F71 = 0 feature\_root3\_F91 = 0 feature\_root3\_F92 = 0 feature\_root3\_F93 = 0 feature\_root3\_F101 = 0 feature\_root3\_F102 = 0 feature\_root3\_F103 = 0 feature\_root3\_F104 = 0 feature\_root3\_F105 = 0 feature\_root3\_F106 = 0 feature\_root3\_F107 = 0 feature\_root3\_F108 = 0 feature\_root3\_F94 = 0 feature\_root3\_F95 = 0 feature\_root3\_F266 = 0 feature\_root3\_F267 = 0 feature\_root3\_F268 = 0 feature\_root3\_F269 = 0 feature\_root3\_F270 = 0 feature\_root3\_F271 = 0 feature\_root3\_F272 = 0 feature\_root3\_F273 = 0 feature\_root3\_F72 = 0 feature\_root3\_F73 = 0 feature\_root3\_F96 = 0 feature\_root3\_F224 = 0 feature\_root3\_F225 = 0 feature\_root3\_F226 = 0 feature\_root3\_F227 = 0 feature\_root3\_F228 = 0 feature\_root3\_F97 = 0 feature\_root3\_F98 = 0 feature\_root3\_F99 = 0 feature\_root3\_F229 = 0 feature\_root3\_F100 = 0 feature\_root3\_F74 = 0 feature\_root3\_F69 = 0 feature\_root3\_F150 = 0 feature\_root3\_F151 = 0 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root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18318 totalAtribute1 = -18710 .

- Solution #4 found. Solver[Solver-0], 4 Solutions, Resolution time 1.098s, 202 Nodes (183.9 n/s), 4 Backtracks, 0 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 1 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 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feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 1 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 1 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 1 feature\_root1\_F21 = 1 feature\_root1\_F203 = 1 feature\_root1\_F204 = 1 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 1 feature\_root1\_F207 = 1 feature\_root1\_F14 = 1 feature\_root1\_F67 = 1 feature\_root1\_F68 = 1 feature\_root1\_F234 = 1 feature\_root1\_F69 = 1 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 1 feature\_root1\_F229 = 1 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 1 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 1 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 1 feature\_root2\_F143 = 1 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 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root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18277 totalAtribute1 = -18641 .

- Solution #5 found. Solver[Solver-0], 5 Solutions, Resolution time 1.160s, 205 Nodes (176.7 n/s), 7 Backtracks, 0 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 1 feature\_root1\_F2 = 1 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 1 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 1 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 1 feature\_root1\_F21 = 1 feature\_root1\_F203 = 1 feature\_root1\_F204 = 1 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 1 feature\_root1\_F207 = 1 feature\_root1\_F14 = 1 feature\_root1\_F67 = 1 feature\_root1\_F68 = 1 feature\_root1\_F234 = 1 feature\_root1\_F69 = 1 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 1 feature\_root1\_F229 = 1 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 1 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 1 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 1 feature\_root2\_F143 = 1 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 = 0 feature\_root2\_F26 = 0 feature\_root2\_F82 = 0 feature\_root2\_F267 = 0 feature\_root2\_F268 = 0 feature\_root2\_F269 = 0 feature\_root2\_F270 = 0 feature\_root2\_F271 = 0 feature\_root2\_F272 = 0 feature\_root2\_F273 = 0 feature\_root2\_F274 = 0 feature\_root2\_F83 = 0 feature\_root2\_F90 = 0 feature\_root2\_F91 = 0 feature\_root2\_F92 = 0 feature\_root2\_F84 = 0 feature\_root2\_F85 = 0 feature\_root2\_F158 = 0 feature\_root2\_F159 = 0 feature\_root2\_F86 = 0 feature\_root2\_F87 = 0 feature\_root2\_F88 = 0 feature\_root2\_F89 = 0 feature\_root2\_F14 = 0 feature\_root2\_F27 = 0 feature\_root2\_F15 = 0 feature\_root2\_F18 = 0 feature\_root2\_F19 = 0 feature\_root2\_F20 = 0 feature\_root2\_F21 = 0 feature\_root2\_F31 = 0 feature\_root2\_F36 = 0 feature\_root2\_F103 = 0 feature\_root2\_F166 = 0 feature\_root2\_F167 = 0 feature\_root2\_F168 = 0 feature\_root2\_F104 = 0 feature\_root2\_F108 = 0 feature\_root2\_F109 = 0 feature\_root2\_F160 = 0 feature\_root2\_F161 = 0 feature\_root2\_F162 = 0 feature\_root2\_F163 = 0 feature\_root2\_F164 = 0 feature\_root2\_F255 = 0 feature\_root2\_F256 = 0 feature\_root2\_F105 = 0 feature\_root2\_F106 = 0 feature\_root2\_F144 = 0 feature\_root2\_F145 = 0 feature\_root2\_F146 = 0 feature\_root2\_F187 = 0 feature\_root2\_F248 = 0 feature\_root2\_F249 = 0 feature\_root2\_F250 = 0 feature\_root2\_F251 = 0 feature\_root2\_F252 = 0 feature\_root2\_F253 = 0 feature\_root2\_F254 = 0 feature\_root2\_F188 = 0 feature\_root2\_F189 = 0 feature\_root2\_F190 = 0 feature\_root2\_F191 = 0 feature\_root2\_F192 = 0 feature\_root2\_F193 = 0 feature\_root2\_F194 = 0 feature\_root2\_F195 = 0 feature\_root2\_F147 = 0 feature\_root2\_F148 = 0 feature\_root2\_F149 = 0 feature\_root2\_F150 = 0 feature\_root2\_F107 = 0 feature\_root2\_F295 = 0 feature\_root2\_F305 = 0 feature\_root2\_F306 = 0 feature\_root2\_F307 = 0 feature\_root2\_F308 = 0 feature\_root2\_F309 = 0 feature\_root2\_F310 = 0 feature\_root2\_F311 = 0 feature\_root2\_F312 = 0 feature\_root2\_F313 = 0 feature\_root2\_F32 = 0 feature\_root2\_F33 = 0 feature\_root2\_F34 = 0 feature\_root2\_F35 = 0 feature\_root2\_F42 = 0 feature\_root2\_F48 = 0 feature\_root2\_F230 = 0 feature\_root2\_F231 = 0 feature\_root2\_F49 = 0 feature\_root2\_F50 = 0 feature\_root2\_F165 = 0 feature\_root2\_F51 = 0 feature\_root2\_F52 = 0 feature\_root2\_F110 = 0 feature\_root2\_F111 = 0 feature\_root2\_F112 = 0 feature\_root2\_F113 = 0 feature\_root2\_F114 = 0 feature\_root2\_F181 = 0 feature\_root2\_F182 = 0 feature\_root2\_F183 = 0 feature\_root2\_F184 = 0 feature\_root2\_F240 = 0 feature\_root2\_F241 = 0 feature\_root2\_F242 = 0 feature\_root2\_F243 = 0 feature\_root2\_F244 = 0 feature\_root2\_F245 = 0 feature\_root2\_F246 = 0 feature\_root2\_F247 = 0 feature\_root2\_F185 = 0 feature\_root2\_F186 = 0 feature\_root2\_F115 = 0 feature\_root2\_F53 = 0 feature\_root2\_F43 = 0 feature\_root2\_F93 = 0 feature\_root2\_F279 = 0 feature\_root2\_F280 = 0 feature\_root2\_F281 = 0 feature\_root2\_F282 = 0 feature\_root2\_F283 = 0 feature\_root2\_F284 = 0 feature\_root2\_F285 = 0 feature\_root2\_F286 = 0 feature\_root2\_F287 = 0 feature\_root2\_F288 = 0 feature\_root2\_F94 = 0 feature\_root2\_F95 = 0 feature\_root2\_F96 = 0 feature\_root2\_F97 = 0 feature\_root2\_F98 = 0 feature\_root2\_F99 = 0 feature\_root2\_F169 = 0 feature\_root2\_F170 = 0 feature\_root2\_F176 = 0 feature\_root2\_F177 = 0 feature\_root2\_F178 = 0 feature\_root2\_F179 = 0 feature\_root2\_F180 = 0 feature\_root2\_F171 = 0 feature\_root2\_F172 = 0 feature\_root2\_F173 = 0 feature\_root2\_F289 = 0 feature\_root2\_F290 = 0 feature\_root2\_F291 = 0 feature\_root2\_F292 = 0 feature\_root2\_F293 = 0 feature\_root2\_F294 = 0 feature\_root2\_F174 = 0 feature\_root2\_F175 = 0 feature\_root2\_F100 = 0 feature\_root2\_F101 = 0 feature\_root2\_F102 = 0 feature\_root2\_F22 = 0 feature\_root2\_F28 = 0 feature\_root2\_F296 = 0 feature\_root2\_F297 = 0 feature\_root2\_F298 = 0 feature\_root2\_F299 = 0 feature\_root2\_F300 = 0 feature\_root2\_F301 = 0 feature\_root2\_F302 = 0 feature\_root2\_F303 = 0 feature\_root2\_F304 = 0 feature\_root2\_F29 = 0 feature\_root2\_F30 = 0 feature\_root2\_F54 = 0 feature\_root2\_F55 = 0 feature\_root2\_F56 = 0 feature\_root2\_F57 = 0 feature\_root2\_F232 = 0 feature\_root2\_F233 = 0 feature\_root2\_F257 = 0 feature\_root2\_F258 = 0 feature\_root2\_F259 = 0 feature\_root2\_F260 = 0 feature\_root2\_F261 = 0 feature\_root2\_F262 = 0 feature\_root2\_F263 = 0 feature\_root2\_F264 = 0 feature\_root2\_F265 = 0 feature\_root2\_F314 = 0 feature\_root2\_F315 = 0 feature\_root2\_F316 = 0 feature\_root2\_F317 = 0 feature\_root2\_F318 = 0 feature\_root2\_F266 = 0 feature\_root2\_F234 = 0 feature\_root2\_F235 = 0 feature\_root2\_F236 = 0 feature\_root2\_F237 = 0 feature\_root2\_F238 = 0 feature\_root2\_F239 = 0 feature\_root2\_F58 = 0 feature\_root2\_F319 = 0 feature\_root2\_F59 = 0 feature\_root2\_F68 = 0 feature\_root2\_F69 = 0 feature\_root2\_F130 = 0 feature\_root2\_F131 = 0 feature\_root2\_F132 = 0 feature\_root2\_F133 = 0 feature\_root2\_F134 = 0 feature\_root2\_F70 = 0 feature\_root2\_F60 = 0 feature\_root2\_F79 = 0 feature\_root2\_F80 = 0 feature\_root2\_F204 = 0 feature\_root2\_F205 = 0 feature\_root2\_F206 = 0 feature\_root2\_F207 = 0 feature\_root2\_F208 = 0 feature\_root2\_F209 = 0 feature\_root2\_F210 = 0 feature\_root2\_F81 = 0 feature\_root2\_F61 = 0 feature\_root2\_F151 = 0 feature\_root2\_F152 = 0 feature\_root2\_F153 = 0 feature\_root2\_F154 = 0 feature\_root2\_F23 = 0 feature\_root2\_F135 = 0 feature\_root2\_F136 = 0 feature\_root2\_F137 = 0 feature\_root2\_F138 = 0 feature\_root2\_F139 = 0 feature\_root2\_F140 = 0 feature\_root2\_F141 = 0 feature\_root2\_F142 = 0 feature\_root2\_F24 = 0 feature\_root2\_F25 = 0 feature\_root2\_F16 = 0 feature\_root2\_F17 = 0 feature\_root2\_F11 = 0 feature\_root2\_F4 = 1 feature\_root2\_F5 = 1 feature\_root3\_root = 1 feature\_root3\_F1 = 1 feature\_root3\_F2 = 1 feature\_root3\_F3 = 1 feature\_root3\_F293 = 1 feature\_root3\_F4 = 1 feature\_root3\_F7 = 1 feature\_root3\_F189 = 1 feature\_root3\_F190 = 1 feature\_root3\_F191 = 1 feature\_root3\_F192 = 1 feature\_root3\_F193 = 1 feature\_root3\_F8 = 1 feature\_root3\_F171 = 1 feature\_root3\_F172 = 1 feature\_root3\_F173 = 1 feature\_root3\_F248 = 1 feature\_root3\_F249 = 1 feature\_root3\_F250 = 1 feature\_root3\_F174 = 1 feature\_root3\_F9 = 1 feature\_root3\_F21 = 1 feature\_root3\_F40 = 1 feature\_root3\_F41 = 1 feature\_root3\_F138 = 1 feature\_root3\_F139 = 1 feature\_root3\_F142 = 1 feature\_root3\_F143 = 1 feature\_root3\_F144 = 1 feature\_root3\_F145 = 1 feature\_root3\_F146 = 1 feature\_root3\_F147 = 1 feature\_root3\_F140 = 1 feature\_root3\_F141 = 1 feature\_root3\_F42 = 1 feature\_root3\_F258 = 1 feature\_root3\_F259 = 1 feature\_root3\_F260 = 1 feature\_root3\_F261 = 1 feature\_root3\_F43 = 1 feature\_root3\_F44 = 0 feature\_root3\_F45 = 1 feature\_root3\_F186 = 1 feature\_root3\_F187 = 1 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root5\_F300Atribute1 = 47 root5\_F300Atribute0 = 54 root5\_F301Atribute1 = 12 root5\_F301Atribute0 = 13 root5\_F193Atribute1 = 33 root5\_F193Atribute0 = 60 root5\_F194Atribute1 = 40 root5\_F194Atribute0 = 84 root5\_F195Atribute1 = 15 root5\_F195Atribute0 = 61 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 79 root5\_F227Atribute0 = 14 root5\_F198Atribute1 = 92 root5\_F198Atribute0 = 36 root5\_F95Atribute1 = 74 root5\_F95Atribute0 = 78 root5\_F266Atribute1 = 60 root5\_F266Atribute0 = 51 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 60 root5\_F269Atribute0 = 73 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 91 root5\_F208Atribute0 = 99 root5\_F209Atribute1 = 61 root5\_F209Atribute0 = 67 root5\_F210Atribute1 = 50 root5\_F210Atribute0 = 59 root5\_F211Atribute1 = 10 root5\_F211Atribute0 = 91 root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 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root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 100 root5\_F255Atribute0 = 92 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 89 root5\_F45Atribute0 = 51 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 99 root5\_F257Atribute0 = 9 root5\_F258Atribute1 = 48 root5\_F258Atribute0 = 56 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 5 root5\_F260Atribute0 = 93 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 4 root5\_F262Atribute0 = 37 root5\_F263Atribute1 = 7 root5\_F263Atribute0 = 34 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 56 root5\_F292Atribute0 = 72 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root5\_F241Atribute1 = 97 root5\_F241Atribute0 = 76 root5\_F242Atribute1 = 67 root5\_F242Atribute0 = 40 root5\_F243Atribute1 = 11 root5\_F243Atribute0 = 25 root5\_F244Atribute1 = 88 root5\_F244Atribute0 = 13 root5\_F245Atribute1 = 59 root5\_F245Atribute0 = 87 root5\_F246Atribute1 = 67 root5\_F246Atribute0 = 48 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 69 root5\_F160Atribute0 = 86 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 52 root5\_F162Atribute0 = 47 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 77 root5\_F165Atribute0 = 98 root5\_F116Atribute1 = 47 root5\_F116Atribute0 = 13 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18290 totalAtribute1 = -18745 .

- Solution #6 found. Solver[Solver-0], 6 Solutions, Resolution time 1.289s, 206 Nodes (159.8 n/s), 8 Backtracks, 0 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 1 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 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feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 1 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 1 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 1 feature\_root1\_F21 = 1 feature\_root1\_F203 = 1 feature\_root1\_F204 = 1 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 1 feature\_root1\_F207 = 1 feature\_root1\_F14 = 1 feature\_root1\_F67 = 1 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root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18249 totalAtribute1 = -18676 .

- Solution #7 found. Solver[Solver-0], 7 Solutions, Resolution time 1.447s, 208 Nodes (143.7 n/s), 10 Backtracks, 0 Fails, 0 Restarts

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= 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 1 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 1 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 1 feature\_root1\_F21 = 1 feature\_root1\_F203 = 1 feature\_root1\_F204 = 1 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 1 feature\_root1\_F207 = 1 feature\_root1\_F14 = 1 feature\_root1\_F67 = 1 feature\_root1\_F68 = 1 feature\_root1\_F234 = 1 feature\_root1\_F69 = 1 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 1 feature\_root1\_F229 = 1 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 1 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 1 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 1 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feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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feature\_root2\_F162 = 0 feature\_root2\_F163 = 0 feature\_root2\_F164 = 0 feature\_root2\_F255 = 0 feature\_root2\_F256 = 0 feature\_root2\_F105 = 0 feature\_root2\_F106 = 0 feature\_root2\_F144 = 0 feature\_root2\_F145 = 0 feature\_root2\_F146 = 0 feature\_root2\_F187 = 0 feature\_root2\_F248 = 0 feature\_root2\_F249 = 0 feature\_root2\_F250 = 0 feature\_root2\_F251 = 0 feature\_root2\_F252 = 0 feature\_root2\_F253 = 0 feature\_root2\_F254 = 0 feature\_root2\_F188 = 0 feature\_root2\_F189 = 0 feature\_root2\_F190 = 0 feature\_root2\_F191 = 0 feature\_root2\_F192 = 0 feature\_root2\_F193 = 0 feature\_root2\_F194 = 0 feature\_root2\_F195 = 0 feature\_root2\_F147 = 0 feature\_root2\_F148 = 0 feature\_root2\_F149 = 0 feature\_root2\_F150 = 0 feature\_root2\_F107 = 0 feature\_root2\_F295 = 0 feature\_root2\_F305 = 0 feature\_root2\_F306 = 0 feature\_root2\_F307 = 0 feature\_root2\_F308 = 0 feature\_root2\_F309 = 0 feature\_root2\_F310 = 0 feature\_root2\_F311 = 0 feature\_root2\_F312 = 0 feature\_root2\_F313 = 0 feature\_root2\_F32 = 0 feature\_root2\_F33 = 0 feature\_root2\_F34 = 0 feature\_root2\_F35 = 0 feature\_root2\_F42 = 0 feature\_root2\_F48 = 0 feature\_root2\_F230 = 0 feature\_root2\_F231 = 0 feature\_root2\_F49 = 0 feature\_root2\_F50 = 0 feature\_root2\_F165 = 0 feature\_root2\_F51 = 0 feature\_root2\_F52 = 0 feature\_root2\_F110 = 0 feature\_root2\_F111 = 0 feature\_root2\_F112 = 0 feature\_root2\_F113 = 0 feature\_root2\_F114 = 0 feature\_root2\_F181 = 0 feature\_root2\_F182 = 0 feature\_root2\_F183 = 0 feature\_root2\_F184 = 0 feature\_root2\_F240 = 0 feature\_root2\_F241 = 0 feature\_root2\_F242 = 0 feature\_root2\_F243 = 0 feature\_root2\_F244 = 0 feature\_root2\_F245 = 0 feature\_root2\_F246 = 0 feature\_root2\_F247 = 0 feature\_root2\_F185 = 0 feature\_root2\_F186 = 0 feature\_root2\_F115 = 0 feature\_root2\_F53 = 0 feature\_root2\_F43 = 0 feature\_root2\_F93 = 0 feature\_root2\_F279 = 0 feature\_root2\_F280 = 0 feature\_root2\_F281 = 0 feature\_root2\_F282 = 0 feature\_root2\_F283 = 0 feature\_root2\_F284 = 0 feature\_root2\_F285 = 0 feature\_root2\_F286 = 0 feature\_root2\_F287 = 0 feature\_root2\_F288 = 0 feature\_root2\_F94 = 0 feature\_root2\_F95 = 0 feature\_root2\_F96 = 0 feature\_root2\_F97 = 0 feature\_root2\_F98 = 0 feature\_root2\_F99 = 0 feature\_root2\_F169 = 0 feature\_root2\_F170 = 0 feature\_root2\_F176 = 0 feature\_root2\_F177 = 0 feature\_root2\_F178 = 0 feature\_root2\_F179 = 0 feature\_root2\_F180 = 0 feature\_root2\_F171 = 0 feature\_root2\_F172 = 0 feature\_root2\_F173 = 0 feature\_root2\_F289 = 0 feature\_root2\_F290 = 0 feature\_root2\_F291 = 0 feature\_root2\_F292 = 0 feature\_root2\_F293 = 0 feature\_root2\_F294 = 0 feature\_root2\_F174 = 0 feature\_root2\_F175 = 0 feature\_root2\_F100 = 0 feature\_root2\_F101 = 0 feature\_root2\_F102 = 0 feature\_root2\_F22 = 0 feature\_root2\_F28 = 0 feature\_root2\_F296 = 0 feature\_root2\_F297 = 0 feature\_root2\_F298 = 0 feature\_root2\_F299 = 0 feature\_root2\_F300 = 0 feature\_root2\_F301 = 0 feature\_root2\_F302 = 0 feature\_root2\_F303 = 0 feature\_root2\_F304 = 0 feature\_root2\_F29 = 0 feature\_root2\_F30 = 0 feature\_root2\_F54 = 0 feature\_root2\_F55 = 0 feature\_root2\_F56 = 0 feature\_root2\_F57 = 0 feature\_root2\_F232 = 0 feature\_root2\_F233 = 0 feature\_root2\_F257 = 0 feature\_root2\_F258 = 0 feature\_root2\_F259 = 0 feature\_root2\_F260 = 0 feature\_root2\_F261 = 0 feature\_root2\_F262 = 0 feature\_root2\_F263 = 0 feature\_root2\_F264 = 0 feature\_root2\_F265 = 0 feature\_root2\_F314 = 0 feature\_root2\_F315 = 0 feature\_root2\_F316 = 0 feature\_root2\_F317 = 0 feature\_root2\_F318 = 0 feature\_root2\_F266 = 0 feature\_root2\_F234 = 0 feature\_root2\_F235 = 0 feature\_root2\_F236 = 0 feature\_root2\_F237 = 0 feature\_root2\_F238 = 0 feature\_root2\_F239 = 0 feature\_root2\_F58 = 0 feature\_root2\_F319 = 0 feature\_root2\_F59 = 0 feature\_root2\_F68 = 0 feature\_root2\_F69 = 0 feature\_root2\_F130 = 0 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root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 36 root5\_F24Atribute0 = 97 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 1 root5\_F265Atribute0 = 8 root5\_F148Atribute1 = 11 root5\_F148Atribute0 = 32 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 0 root5\_F151Atribute0 = 0 root5\_F152Atribute1 = 32 root5\_F152Atribute0 = 62 root5\_F289Atribute1 = 25 root5\_F289Atribute0 = 33 root5\_F290Atribute1 = 70 root5\_F290Atribute0 = 10 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 36 root5\_F154Atribute0 = 55 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 42 root5\_F53Atribute0 = 68 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 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root5\_F300Atribute1 = 47 root5\_F300Atribute0 = 54 root5\_F301Atribute1 = 12 root5\_F301Atribute0 = 13 root5\_F193Atribute1 = 33 root5\_F193Atribute0 = 60 root5\_F194Atribute1 = 40 root5\_F194Atribute0 = 84 root5\_F195Atribute1 = 15 root5\_F195Atribute0 = 61 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 79 root5\_F227Atribute0 = 14 root5\_F198Atribute1 = 92 root5\_F198Atribute0 = 36 root5\_F95Atribute1 = 74 root5\_F95Atribute0 = 78 root5\_F266Atribute1 = 60 root5\_F266Atribute0 = 51 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 60 root5\_F269Atribute0 = 73 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 91 root5\_F208Atribute0 = 99 root5\_F209Atribute1 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root5\_F241Atribute1 = 97 root5\_F241Atribute0 = 76 root5\_F242Atribute1 = 67 root5\_F242Atribute0 = 40 root5\_F243Atribute1 = 11 root5\_F243Atribute0 = 25 root5\_F244Atribute1 = 88 root5\_F244Atribute0 = 13 root5\_F245Atribute1 = 59 root5\_F245Atribute0 = 87 root5\_F246Atribute1 = 67 root5\_F246Atribute0 = 48 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 69 root5\_F160Atribute0 = 86 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 52 root5\_F162Atribute0 = 47 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 77 root5\_F165Atribute0 = 98 root5\_F116Atribute1 = 47 root5\_F116Atribute0 = 13 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18247 totalAtribute1 = -18690 .

- Solution #8 found. Solver[Solver-0], 8 Solutions, Resolution time 1.482s, 209 Nodes (141.1 n/s), 11 Backtracks, 0 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 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feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 1 feature\_root1\_F8 = 1 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root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18206 totalAtribute1 = -18621 .

- Solution #9 found. Solver[Solver-0], 9 Solutions, Resolution time 1.639s, 213 Nodes (129.9 n/s), 15 Backtracks, 0 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 1 feature\_root1\_F2 = 1 feature\_root1\_F3 = 1 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 1 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 1 feature\_root1\_F21 = 1 feature\_root1\_F203 = 1 feature\_root1\_F204 = 1 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 1 feature\_root1\_F207 = 1 feature\_root1\_F14 = 1 feature\_root1\_F67 = 1 feature\_root1\_F68 = 1 feature\_root1\_F234 = 1 feature\_root1\_F69 = 1 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 1 feature\_root1\_F229 = 1 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 1 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 1 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 1 feature\_root2\_F143 = 1 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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feature\_root2\_F162 = 0 feature\_root2\_F163 = 0 feature\_root2\_F164 = 0 feature\_root2\_F255 = 0 feature\_root2\_F256 = 0 feature\_root2\_F105 = 0 feature\_root2\_F106 = 0 feature\_root2\_F144 = 0 feature\_root2\_F145 = 0 feature\_root2\_F146 = 0 feature\_root2\_F187 = 0 feature\_root2\_F248 = 0 feature\_root2\_F249 = 0 feature\_root2\_F250 = 0 feature\_root2\_F251 = 0 feature\_root2\_F252 = 0 feature\_root2\_F253 = 0 feature\_root2\_F254 = 0 feature\_root2\_F188 = 0 feature\_root2\_F189 = 0 feature\_root2\_F190 = 0 feature\_root2\_F191 = 0 feature\_root2\_F192 = 0 feature\_root2\_F193 = 0 feature\_root2\_F194 = 0 feature\_root2\_F195 = 0 feature\_root2\_F147 = 0 feature\_root2\_F148 = 0 feature\_root2\_F149 = 0 feature\_root2\_F150 = 0 feature\_root2\_F107 = 0 feature\_root2\_F295 = 0 feature\_root2\_F305 = 0 feature\_root2\_F306 = 0 feature\_root2\_F307 = 0 feature\_root2\_F308 = 0 feature\_root2\_F309 = 0 feature\_root2\_F310 = 0 feature\_root2\_F311 = 0 feature\_root2\_F312 = 0 feature\_root2\_F313 = 0 feature\_root2\_F32 = 0 feature\_root2\_F33 = 0 feature\_root2\_F34 = 0 feature\_root2\_F35 = 0 feature\_root2\_F42 = 0 feature\_root2\_F48 = 0 feature\_root2\_F230 = 0 feature\_root2\_F231 = 0 feature\_root2\_F49 = 0 feature\_root2\_F50 = 0 feature\_root2\_F165 = 0 feature\_root2\_F51 = 0 feature\_root2\_F52 = 0 feature\_root2\_F110 = 0 feature\_root2\_F111 = 0 feature\_root2\_F112 = 0 feature\_root2\_F113 = 0 feature\_root2\_F114 = 0 feature\_root2\_F181 = 0 feature\_root2\_F182 = 0 feature\_root2\_F183 = 0 feature\_root2\_F184 = 0 feature\_root2\_F240 = 0 feature\_root2\_F241 = 0 feature\_root2\_F242 = 0 feature\_root2\_F243 = 0 feature\_root2\_F244 = 0 feature\_root2\_F245 = 0 feature\_root2\_F246 = 0 feature\_root2\_F247 = 0 feature\_root2\_F185 = 0 feature\_root2\_F186 = 0 feature\_root2\_F115 = 0 feature\_root2\_F53 = 0 feature\_root2\_F43 = 0 feature\_root2\_F93 = 0 feature\_root2\_F279 = 0 feature\_root2\_F280 = 0 feature\_root2\_F281 = 0 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root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 36 root5\_F24Atribute0 = 97 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 1 root5\_F265Atribute0 = 8 root5\_F148Atribute1 = 11 root5\_F148Atribute0 = 32 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 0 root5\_F151Atribute0 = 0 root5\_F152Atribute1 = 32 root5\_F152Atribute0 = 62 root5\_F289Atribute1 = 25 root5\_F289Atribute0 = 33 root5\_F290Atribute1 = 70 root5\_F290Atribute0 = 10 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 36 root5\_F154Atribute0 = 55 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 42 root5\_F53Atribute0 = 68 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 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root5\_F300Atribute1 = 47 root5\_F300Atribute0 = 54 root5\_F301Atribute1 = 12 root5\_F301Atribute0 = 13 root5\_F193Atribute1 = 33 root5\_F193Atribute0 = 60 root5\_F194Atribute1 = 40 root5\_F194Atribute0 = 84 root5\_F195Atribute1 = 15 root5\_F195Atribute0 = 61 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 79 root5\_F227Atribute0 = 14 root5\_F198Atribute1 = 92 root5\_F198Atribute0 = 36 root5\_F95Atribute1 = 74 root5\_F95Atribute0 = 78 root5\_F266Atribute1 = 60 root5\_F266Atribute0 = 51 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 60 root5\_F269Atribute0 = 73 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 91 root5\_F208Atribute0 = 99 root5\_F209Atribute1 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root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18280 totalAtribute1 = -18716 .

- Solution #10 found. Solver[Solver-0], 10 Solutions, Resolution time 1.826s, 214 Nodes (117.2 n/s), 16 Backtracks, 0 Fails, 0 Restarts

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0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 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feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 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root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 30 root5\_F302Atribute0 = 32 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 82 root5\_F304Atribute0 = 33 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 18 root5\_F147Atribute0 = 48 root5\_F63Atribute1 = 81 root5\_F63Atribute0 = 51 root5\_F64Atribute1 = 0 root5\_F64Atribute0 = 1 root5\_F65Atribute1 = 20 root5\_F65Atribute0 = 57 root5\_F75Atribute1 = 85 root5\_F75Atribute0 = 44 root5\_F76Atribute1 = 39 root5\_F76Atribute0 = 91 root5\_F184Atribute1 = 80 root5\_F184Atribute0 = 35 root5\_F185Atribute1 = 0 root5\_F185Atribute0 = 0 root5\_F186Atribute1 = 15 root5\_F186Atribute0 = 86 root5\_F238Atribute1 = 0 root5\_F238Atribute0 = 0 root5\_F78Atribute1 = 4 root5\_F78Atribute0 = 33 root5\_F79Atribute1 = 52 root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 100 root5\_F255Atribute0 = 92 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 89 root5\_F45Atribute0 = 51 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 99 root5\_F257Atribute0 = 9 root5\_F258Atribute1 = 48 root5\_F258Atribute0 = 56 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 5 root5\_F260Atribute0 = 93 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 4 root5\_F262Atribute0 = 37 root5\_F263Atribute1 = 7 root5\_F263Atribute0 = 34 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 56 root5\_F292Atribute0 = 72 root5\_F293Atribute1 = 8 root5\_F293Atribute0 = 88 root5\_F294Atribute1 = 11 root5\_F294Atribute0 = 25 root5\_F295Atribute1 = 91 root5\_F295Atribute0 = 17 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 44 root5\_F277Atribute0 = 34 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 56 root5\_F233Atribute0 = 25 root5\_F234Atribute1 = 25 root5\_F234Atribute0 = 22 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 28 root5\_F166Atribute0 = 100 root5\_F167Atribute1 = 47 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 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root5\_F241Atribute1 = 97 root5\_F241Atribute0 = 76 root5\_F242Atribute1 = 67 root5\_F242Atribute0 = 40 root5\_F243Atribute1 = 11 root5\_F243Atribute0 = 25 root5\_F244Atribute1 = 88 root5\_F244Atribute0 = 13 root5\_F245Atribute1 = 59 root5\_F245Atribute0 = 87 root5\_F246Atribute1 = 67 root5\_F246Atribute0 = 48 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 69 root5\_F160Atribute0 = 86 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 52 root5\_F162Atribute0 = 47 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 77 root5\_F165Atribute0 = 98 root5\_F116Atribute1 = 47 root5\_F116Atribute0 = 13 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 87 root5\_F9Atribute0 = 7 root5\_F10Atribute1 = 55 root5\_F10Atribute0 = 89 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 17 root5\_F18Atribute0 = 12 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 92 root5\_F217Atribute0 = 46 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 19 root5\_F190Atribute0 = 13 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 82 root5\_F6Atribute0 = 2 totalAtribute0 = 18239 totalAtribute1 = -18647 .

\*\* Choco 3.3.3 (2015-12) : Constraint Programming Solver, Copyleft (c) 2010-2015

- Solver[Solver-0] features:

Variables : 26686

Constraints : 29388

Default search strategy : no

Completed search strategy : no

- Incomplete search - Limit reached.

Solver[Solver-0]

Solutions: 10

Building time : 0.974s

Resolution time : 2.100s

Nodes: 214 (101.9 n/s)

Backtracks: 16

Fails: 0

Restarts: 0

Variables: 26,686

Constraints: 29,388

Ended at: 1490272835828

Total time: 2496

# Heuristic 2

Started at: 1490283188210

- Solution #1 found. Solver[Solver-0], 1 Solutions, Resolution time 0.354s, 210 Nodes (593.0 n/s), 17 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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root4\_F212Atribute0 = 81 root4\_F213Atribute1 = 11 root4\_F213Atribute0 = 62 root4\_F39Atribute1 = 0 root4\_F39Atribute0 = 0 root4\_F40Atribute1 = 0 root4\_F40Atribute0 = 0 root4\_F51Atribute1 = 0 root4\_F51Atribute0 = 0 root4\_F42Atribute1 = 0 root4\_F42Atribute0 = 0 root4\_F43Atribute1 = 0 root4\_F43Atribute0 = 0 root4\_F44Atribute1 = 0 root4\_F44Atribute0 = 0 root4\_F194Atribute1 = 28 root4\_F194Atribute0 = 9 root4\_F195Atribute1 = 84 root4\_F195Atribute0 = 57 root4\_F196Atribute1 = 0 root4\_F196Atribute0 = 0 root4\_F197Atribute1 = 50 root4\_F197Atribute0 = 68 root4\_F198Atribute1 = 0 root4\_F198Atribute0 = 0 root4\_F199Atribute1 = 28 root4\_F199Atribute0 = 91 root4\_F200Atribute1 = 71 root4\_F200Atribute0 = 97 root4\_F201Atribute1 = 28 root4\_F201Atribute0 = 65 root4\_F202Atribute1 = 15 root4\_F202Atribute0 = 96 root4\_F203Atribute1 = 71 root4\_F203Atribute0 = 34 root4\_F108Atribute1 = 0 root4\_F108Atribute0 = 0 root4\_F179Atribute1 = 0 root4\_F179Atribute0 = 0 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root4\_F121Atribute1 = 0 root4\_F121Atribute0 = 0 root4\_F122Atribute1 = 0 root4\_F122Atribute0 = 0 root4\_F123Atribute1 = 0 root4\_F123Atribute0 = 0 root4\_F111Atribute1 = 0 root4\_F111Atribute0 = 0 root4\_F112Atribute1 = 0 root4\_F112Atribute0 = 0 root4\_F113Atribute1 = 0 root4\_F113Atribute0 = 0 root4\_F114Atribute1 = 0 root4\_F114Atribute0 = 0 root4\_F52Atribute1 = 92 root4\_F52Atribute0 = 20 root4\_F53Atribute1 = 0 root4\_F53Atribute0 = 0 root4\_F54Atribute1 = 36 root4\_F54Atribute0 = 69 root4\_F55Atribute1 = 0 root4\_F55Atribute0 = 0 root4\_F56Atribute1 = 0 root4\_F56Atribute0 = 0 root4\_F2Atribute1 = 0 root4\_F2Atribute0 = 0 root4\_F3Atribute1 = 0 root4\_F3Atribute0 = 0 root4\_F4Atribute1 = 99 root4\_F4Atribute0 = 64 root5\_F1Atribute1 = 4 root5\_F1Atribute0 = 27 root5\_F21Atribute1 = 0 root5\_F21Atribute0 = 0 root5\_F22Atribute1 = 0 root5\_F22Atribute0 = 0 root5\_F23Atribute1 = 0 root5\_F23Atribute0 = 0 root5\_F32Atribute1 = 0 root5\_F32Atribute0 = 0 root5\_F315Atribute1 = 26 root5\_F315Atribute0 = 23 root5\_F316Atribute1 = 55 root5\_F316Atribute0 = 56 root5\_F317Atribute1 = 35 root5\_F317Atribute0 = 95 root5\_F318Atribute1 = 59 root5\_F318Atribute0 = 0 root5\_F319Atribute1 = 45 root5\_F319Atribute0 = 72 root5\_F37Atribute1 = 88 root5\_F37Atribute0 = 28 root5\_F236Atribute1 = 43 root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 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root5\_F133Atribute1 = 0 root5\_F133Atribute0 = 0 root5\_F73Atribute1 = 0 root5\_F73Atribute0 = 0 root5\_F74Atribute1 = 0 root5\_F74Atribute0 = 0 root5\_F55Atribute1 = 31 root5\_F55Atribute0 = 41 root5\_F56Atribute1 = 0 root5\_F56Atribute0 = 0 root5\_F205Atribute1 = 0 root5\_F205Atribute0 = 0 root5\_F206Atribute1 = 0 root5\_F206Atribute0 = 0 root5\_F207Atribute1 = 0 root5\_F207Atribute0 = 0 root5\_F66Atribute1 = 0 root5\_F66Atribute0 = 0 root5\_F58Atribute1 = 70 root5\_F58Atribute0 = 10 root5\_F59Atribute1 = 66 root5\_F59Atribute0 = 66 root5\_F60Atribute1 = 0 root5\_F60Atribute0 = 0 root5\_F199Atribute1 = 0 root5\_F199Atribute0 = 0 root5\_F200Atribute1 = 0 root5\_F200Atribute0 = 0 root5\_F228Atribute1 = 0 root5\_F228Atribute0 = 0 root5\_F229Atribute1 = 0 root5\_F229Atribute0 = 0 root5\_F230Atribute1 = 0 root5\_F230Atribute0 = 0 root5\_F202Atribute1 = 0 root5\_F202Atribute0 = 0 root5\_F203Atribute1 = 0 root5\_F203Atribute0 = 0 root5\_F204Atribute1 = 0 root5\_F204Atribute0 = 0 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root5\_F193Atribute0 = 0 root5\_F194Atribute1 = 0 root5\_F194Atribute0 = 0 root5\_F195Atribute1 = 0 root5\_F195Atribute0 = 0 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 0 root5\_F227Atribute0 = 0 root5\_F198Atribute1 = 0 root5\_F198Atribute0 = 0 root5\_F95Atribute1 = 0 root5\_F95Atribute0 = 0 root5\_F266Atribute1 = 0 root5\_F266Atribute0 = 0 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 0 root5\_F269Atribute0 = 0 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 0 root5\_F208Atribute0 = 0 root5\_F209Atribute1 = 0 root5\_F209Atribute0 = 0 root5\_F210Atribute1 = 50 root5\_F210Atribute0 = 59 root5\_F211Atribute1 = 10 root5\_F211Atribute0 = 91 root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 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root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 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root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11468 totalAtribute1 = -12065 .

- Solution #2 found. Solver[Solver-0], 2 Solutions, Resolution time 0.427s, 211 Nodes (494.5 n/s), 18 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 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root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 0 root5\_F163Atribute0 = 0 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11542 totalAtribute1 = -12163 .

- Solution #3 found. Solver[Solver-0], 3 Solutions, Resolution time 0.449s, 213 Nodes (474.4 n/s), 20 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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root4\_F212Atribute0 = 81 root4\_F213Atribute1 = 11 root4\_F213Atribute0 = 62 root4\_F39Atribute1 = 0 root4\_F39Atribute0 = 0 root4\_F40Atribute1 = 0 root4\_F40Atribute0 = 0 root4\_F51Atribute1 = 0 root4\_F51Atribute0 = 0 root4\_F42Atribute1 = 0 root4\_F42Atribute0 = 0 root4\_F43Atribute1 = 0 root4\_F43Atribute0 = 0 root4\_F44Atribute1 = 0 root4\_F44Atribute0 = 0 root4\_F194Atribute1 = 28 root4\_F194Atribute0 = 9 root4\_F195Atribute1 = 84 root4\_F195Atribute0 = 57 root4\_F196Atribute1 = 0 root4\_F196Atribute0 = 0 root4\_F197Atribute1 = 50 root4\_F197Atribute0 = 68 root4\_F198Atribute1 = 0 root4\_F198Atribute0 = 0 root4\_F199Atribute1 = 28 root4\_F199Atribute0 = 91 root4\_F200Atribute1 = 71 root4\_F200Atribute0 = 97 root4\_F201Atribute1 = 28 root4\_F201Atribute0 = 65 root4\_F202Atribute1 = 15 root4\_F202Atribute0 = 96 root4\_F203Atribute1 = 71 root4\_F203Atribute0 = 34 root4\_F108Atribute1 = 0 root4\_F108Atribute0 = 0 root4\_F179Atribute1 = 0 root4\_F179Atribute0 = 0 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root4\_F121Atribute1 = 0 root4\_F121Atribute0 = 0 root4\_F122Atribute1 = 0 root4\_F122Atribute0 = 0 root4\_F123Atribute1 = 0 root4\_F123Atribute0 = 0 root4\_F111Atribute1 = 0 root4\_F111Atribute0 = 0 root4\_F112Atribute1 = 0 root4\_F112Atribute0 = 0 root4\_F113Atribute1 = 0 root4\_F113Atribute0 = 0 root4\_F114Atribute1 = 0 root4\_F114Atribute0 = 0 root4\_F52Atribute1 = 92 root4\_F52Atribute0 = 20 root4\_F53Atribute1 = 0 root4\_F53Atribute0 = 0 root4\_F54Atribute1 = 36 root4\_F54Atribute0 = 69 root4\_F55Atribute1 = 0 root4\_F55Atribute0 = 0 root4\_F56Atribute1 = 0 root4\_F56Atribute0 = 0 root4\_F2Atribute1 = 0 root4\_F2Atribute0 = 0 root4\_F3Atribute1 = 0 root4\_F3Atribute0 = 0 root4\_F4Atribute1 = 99 root4\_F4Atribute0 = 64 root5\_F1Atribute1 = 4 root5\_F1Atribute0 = 27 root5\_F21Atribute1 = 0 root5\_F21Atribute0 = 0 root5\_F22Atribute1 = 0 root5\_F22Atribute0 = 0 root5\_F23Atribute1 = 0 root5\_F23Atribute0 = 0 root5\_F32Atribute1 = 0 root5\_F32Atribute0 = 0 root5\_F315Atribute1 = 26 root5\_F315Atribute0 = 23 root5\_F316Atribute1 = 55 root5\_F316Atribute0 = 56 root5\_F317Atribute1 = 35 root5\_F317Atribute0 = 95 root5\_F318Atribute1 = 59 root5\_F318Atribute0 = 0 root5\_F319Atribute1 = 45 root5\_F319Atribute0 = 72 root5\_F37Atribute1 = 88 root5\_F37Atribute0 = 28 root5\_F236Atribute1 = 43 root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 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root5\_F133Atribute1 = 0 root5\_F133Atribute0 = 0 root5\_F73Atribute1 = 0 root5\_F73Atribute0 = 0 root5\_F74Atribute1 = 0 root5\_F74Atribute0 = 0 root5\_F55Atribute1 = 31 root5\_F55Atribute0 = 41 root5\_F56Atribute1 = 0 root5\_F56Atribute0 = 0 root5\_F205Atribute1 = 0 root5\_F205Atribute0 = 0 root5\_F206Atribute1 = 0 root5\_F206Atribute0 = 0 root5\_F207Atribute1 = 0 root5\_F207Atribute0 = 0 root5\_F66Atribute1 = 0 root5\_F66Atribute0 = 0 root5\_F58Atribute1 = 70 root5\_F58Atribute0 = 10 root5\_F59Atribute1 = 66 root5\_F59Atribute0 = 66 root5\_F60Atribute1 = 0 root5\_F60Atribute0 = 0 root5\_F199Atribute1 = 0 root5\_F199Atribute0 = 0 root5\_F200Atribute1 = 0 root5\_F200Atribute0 = 0 root5\_F228Atribute1 = 0 root5\_F228Atribute0 = 0 root5\_F229Atribute1 = 0 root5\_F229Atribute0 = 0 root5\_F230Atribute1 = 0 root5\_F230Atribute0 = 0 root5\_F202Atribute1 = 0 root5\_F202Atribute0 = 0 root5\_F203Atribute1 = 0 root5\_F203Atribute0 = 0 root5\_F204Atribute1 = 0 root5\_F204Atribute0 = 0 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root5\_F193Atribute0 = 0 root5\_F194Atribute1 = 0 root5\_F194Atribute0 = 0 root5\_F195Atribute1 = 0 root5\_F195Atribute0 = 0 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 0 root5\_F227Atribute0 = 0 root5\_F198Atribute1 = 0 root5\_F198Atribute0 = 0 root5\_F95Atribute1 = 0 root5\_F95Atribute0 = 0 root5\_F266Atribute1 = 0 root5\_F266Atribute0 = 0 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 0 root5\_F269Atribute0 = 0 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 0 root5\_F208Atribute0 = 0 root5\_F209Atribute1 = 0 root5\_F209Atribute0 = 0 root5\_F210Atribute1 = 50 root5\_F210Atribute0 = 59 root5\_F211Atribute1 = 10 root5\_F211Atribute0 = 91 root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 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root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 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root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11535 totalAtribute1 = -12158 .

- Solution #4 found. Solver[Solver-0], 4 Solutions, Resolution time 0.477s, 214 Nodes (448.4 n/s), 21 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 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root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 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- Solution #5 found. Solver[Solver-0], 5 Solutions, Resolution time 0.551s, 216 Nodes (392.2 n/s), 24 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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feature\_root2\_F162 = 0 feature\_root2\_F163 = 0 feature\_root2\_F164 = 0 feature\_root2\_F255 = 0 feature\_root2\_F256 = 0 feature\_root2\_F105 = 0 feature\_root2\_F106 = 0 feature\_root2\_F144 = 0 feature\_root2\_F145 = 0 feature\_root2\_F146 = 0 feature\_root2\_F187 = 0 feature\_root2\_F248 = 0 feature\_root2\_F249 = 0 feature\_root2\_F250 = 0 feature\_root2\_F251 = 0 feature\_root2\_F252 = 0 feature\_root2\_F253 = 0 feature\_root2\_F254 = 0 feature\_root2\_F188 = 0 feature\_root2\_F189 = 0 feature\_root2\_F190 = 0 feature\_root2\_F191 = 0 feature\_root2\_F192 = 0 feature\_root2\_F193 = 0 feature\_root2\_F194 = 0 feature\_root2\_F195 = 0 feature\_root2\_F147 = 0 feature\_root2\_F148 = 0 feature\_root2\_F149 = 0 feature\_root2\_F150 = 0 feature\_root2\_F107 = 0 feature\_root2\_F295 = 0 feature\_root2\_F305 = 0 feature\_root2\_F306 = 0 feature\_root2\_F307 = 0 feature\_root2\_F308 = 0 feature\_root2\_F309 = 0 feature\_root2\_F310 = 0 feature\_root2\_F311 = 0 feature\_root2\_F312 = 0 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root4\_F212Atribute0 = 81 root4\_F213Atribute1 = 11 root4\_F213Atribute0 = 62 root4\_F39Atribute1 = 0 root4\_F39Atribute0 = 0 root4\_F40Atribute1 = 0 root4\_F40Atribute0 = 0 root4\_F51Atribute1 = 0 root4\_F51Atribute0 = 0 root4\_F42Atribute1 = 0 root4\_F42Atribute0 = 0 root4\_F43Atribute1 = 0 root4\_F43Atribute0 = 0 root4\_F44Atribute1 = 0 root4\_F44Atribute0 = 0 root4\_F194Atribute1 = 28 root4\_F194Atribute0 = 9 root4\_F195Atribute1 = 84 root4\_F195Atribute0 = 57 root4\_F196Atribute1 = 0 root4\_F196Atribute0 = 0 root4\_F197Atribute1 = 50 root4\_F197Atribute0 = 68 root4\_F198Atribute1 = 0 root4\_F198Atribute0 = 0 root4\_F199Atribute1 = 28 root4\_F199Atribute0 = 91 root4\_F200Atribute1 = 71 root4\_F200Atribute0 = 97 root4\_F201Atribute1 = 28 root4\_F201Atribute0 = 65 root4\_F202Atribute1 = 15 root4\_F202Atribute0 = 96 root4\_F203Atribute1 = 71 root4\_F203Atribute0 = 34 root4\_F108Atribute1 = 0 root4\_F108Atribute0 = 0 root4\_F179Atribute1 = 0 root4\_F179Atribute0 = 0 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root4\_F121Atribute1 = 0 root4\_F121Atribute0 = 0 root4\_F122Atribute1 = 0 root4\_F122Atribute0 = 0 root4\_F123Atribute1 = 0 root4\_F123Atribute0 = 0 root4\_F111Atribute1 = 0 root4\_F111Atribute0 = 0 root4\_F112Atribute1 = 0 root4\_F112Atribute0 = 0 root4\_F113Atribute1 = 0 root4\_F113Atribute0 = 0 root4\_F114Atribute1 = 0 root4\_F114Atribute0 = 0 root4\_F52Atribute1 = 92 root4\_F52Atribute0 = 20 root4\_F53Atribute1 = 0 root4\_F53Atribute0 = 0 root4\_F54Atribute1 = 36 root4\_F54Atribute0 = 69 root4\_F55Atribute1 = 0 root4\_F55Atribute0 = 0 root4\_F56Atribute1 = 0 root4\_F56Atribute0 = 0 root4\_F2Atribute1 = 0 root4\_F2Atribute0 = 0 root4\_F3Atribute1 = 0 root4\_F3Atribute0 = 0 root4\_F4Atribute1 = 99 root4\_F4Atribute0 = 64 root5\_F1Atribute1 = 4 root5\_F1Atribute0 = 27 root5\_F21Atribute1 = 0 root5\_F21Atribute0 = 0 root5\_F22Atribute1 = 0 root5\_F22Atribute0 = 0 root5\_F23Atribute1 = 0 root5\_F23Atribute0 = 0 root5\_F32Atribute1 = 0 root5\_F32Atribute0 = 0 root5\_F315Atribute1 = 26 root5\_F315Atribute0 = 23 root5\_F316Atribute1 = 55 root5\_F316Atribute0 = 56 root5\_F317Atribute1 = 35 root5\_F317Atribute0 = 95 root5\_F318Atribute1 = 59 root5\_F318Atribute0 = 0 root5\_F319Atribute1 = 45 root5\_F319Atribute0 = 72 root5\_F37Atribute1 = 88 root5\_F37Atribute0 = 28 root5\_F236Atribute1 = 43 root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 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root5\_F133Atribute1 = 0 root5\_F133Atribute0 = 0 root5\_F73Atribute1 = 0 root5\_F73Atribute0 = 0 root5\_F74Atribute1 = 0 root5\_F74Atribute0 = 0 root5\_F55Atribute1 = 31 root5\_F55Atribute0 = 41 root5\_F56Atribute1 = 0 root5\_F56Atribute0 = 0 root5\_F205Atribute1 = 0 root5\_F205Atribute0 = 0 root5\_F206Atribute1 = 0 root5\_F206Atribute0 = 0 root5\_F207Atribute1 = 0 root5\_F207Atribute0 = 0 root5\_F66Atribute1 = 0 root5\_F66Atribute0 = 0 root5\_F58Atribute1 = 70 root5\_F58Atribute0 = 10 root5\_F59Atribute1 = 66 root5\_F59Atribute0 = 66 root5\_F60Atribute1 = 0 root5\_F60Atribute0 = 0 root5\_F199Atribute1 = 0 root5\_F199Atribute0 = 0 root5\_F200Atribute1 = 0 root5\_F200Atribute0 = 0 root5\_F228Atribute1 = 0 root5\_F228Atribute0 = 0 root5\_F229Atribute1 = 0 root5\_F229Atribute0 = 0 root5\_F230Atribute1 = 0 root5\_F230Atribute0 = 0 root5\_F202Atribute1 = 0 root5\_F202Atribute0 = 0 root5\_F203Atribute1 = 0 root5\_F203Atribute0 = 0 root5\_F204Atribute1 = 0 root5\_F204Atribute0 = 0 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root5\_F193Atribute0 = 0 root5\_F194Atribute1 = 0 root5\_F194Atribute0 = 0 root5\_F195Atribute1 = 0 root5\_F195Atribute0 = 0 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 0 root5\_F227Atribute0 = 0 root5\_F198Atribute1 = 0 root5\_F198Atribute0 = 0 root5\_F95Atribute1 = 0 root5\_F95Atribute0 = 0 root5\_F266Atribute1 = 0 root5\_F266Atribute0 = 0 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 0 root5\_F269Atribute0 = 0 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 0 root5\_F208Atribute0 = 0 root5\_F209Atribute1 = 0 root5\_F209Atribute0 = 0 root5\_F210Atribute1 = 50 root5\_F210Atribute0 = 59 root5\_F211Atribute1 = 10 root5\_F211Atribute0 = 91 root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 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root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 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root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11607 totalAtribute1 = -12180 .

- Solution #6 found. Solver[Solver-0], 6 Solutions, Resolution time 0.611s, 217 Nodes (355.1 n/s), 25 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 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root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11681 totalAtribute1 = -12278 .

- Solution #7 found. Solver[Solver-0], 7 Solutions, Resolution time 0.719s, 221 Nodes (307.5 n/s), 29 Backtracks, 15 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 = 0 feature\_root2\_F26 = 0 feature\_root2\_F82 = 0 feature\_root2\_F267 = 0 feature\_root2\_F268 = 0 feature\_root2\_F269 = 0 feature\_root2\_F270 = 0 feature\_root2\_F271 = 0 feature\_root2\_F272 = 0 feature\_root2\_F273 = 0 feature\_root2\_F274 = 0 feature\_root2\_F83 = 0 feature\_root2\_F90 = 0 feature\_root2\_F91 = 0 feature\_root2\_F92 = 0 feature\_root2\_F84 = 0 feature\_root2\_F85 = 0 feature\_root2\_F158 = 0 feature\_root2\_F159 = 0 feature\_root2\_F86 = 0 feature\_root2\_F87 = 0 feature\_root2\_F88 = 0 feature\_root2\_F89 = 0 feature\_root2\_F14 = 0 feature\_root2\_F27 = 0 feature\_root2\_F15 = 0 feature\_root2\_F18 = 0 feature\_root2\_F19 = 0 feature\_root2\_F20 = 0 feature\_root2\_F21 = 0 feature\_root2\_F31 = 0 feature\_root2\_F36 = 0 feature\_root2\_F103 = 0 feature\_root2\_F166 = 0 feature\_root2\_F167 = 0 feature\_root2\_F168 = 0 feature\_root2\_F104 = 0 feature\_root2\_F108 = 0 feature\_root2\_F109 = 0 feature\_root2\_F160 = 0 feature\_root2\_F161 = 0 feature\_root2\_F162 = 0 feature\_root2\_F163 = 0 feature\_root2\_F164 = 0 feature\_root2\_F255 = 0 feature\_root2\_F256 = 0 feature\_root2\_F105 = 0 feature\_root2\_F106 = 0 feature\_root2\_F144 = 0 feature\_root2\_F145 = 0 feature\_root2\_F146 = 0 feature\_root2\_F187 = 0 feature\_root2\_F248 = 0 feature\_root2\_F249 = 0 feature\_root2\_F250 = 0 feature\_root2\_F251 = 0 feature\_root2\_F252 = 0 feature\_root2\_F253 = 0 feature\_root2\_F254 = 0 feature\_root2\_F188 = 0 feature\_root2\_F189 = 0 feature\_root2\_F190 = 0 feature\_root2\_F191 = 0 feature\_root2\_F192 = 0 feature\_root2\_F193 = 0 feature\_root2\_F194 = 0 feature\_root2\_F195 = 0 feature\_root2\_F147 = 0 feature\_root2\_F148 = 0 feature\_root2\_F149 = 0 feature\_root2\_F150 = 0 feature\_root2\_F107 = 0 feature\_root2\_F295 = 0 feature\_root2\_F305 = 0 feature\_root2\_F306 = 0 feature\_root2\_F307 = 0 feature\_root2\_F308 = 0 feature\_root2\_F309 = 0 feature\_root2\_F310 = 0 feature\_root2\_F311 = 0 feature\_root2\_F312 = 0 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root4\_F212Atribute0 = 81 root4\_F213Atribute1 = 11 root4\_F213Atribute0 = 62 root4\_F39Atribute1 = 0 root4\_F39Atribute0 = 0 root4\_F40Atribute1 = 0 root4\_F40Atribute0 = 0 root4\_F51Atribute1 = 0 root4\_F51Atribute0 = 0 root4\_F42Atribute1 = 0 root4\_F42Atribute0 = 0 root4\_F43Atribute1 = 0 root4\_F43Atribute0 = 0 root4\_F44Atribute1 = 0 root4\_F44Atribute0 = 0 root4\_F194Atribute1 = 28 root4\_F194Atribute0 = 9 root4\_F195Atribute1 = 84 root4\_F195Atribute0 = 57 root4\_F196Atribute1 = 16 root4\_F196Atribute0 = 70 root4\_F197Atribute1 = 50 root4\_F197Atribute0 = 68 root4\_F198Atribute1 = 0 root4\_F198Atribute0 = 0 root4\_F199Atribute1 = 28 root4\_F199Atribute0 = 91 root4\_F200Atribute1 = 71 root4\_F200Atribute0 = 97 root4\_F201Atribute1 = 28 root4\_F201Atribute0 = 65 root4\_F202Atribute1 = 15 root4\_F202Atribute0 = 96 root4\_F203Atribute1 = 71 root4\_F203Atribute0 = 34 root4\_F108Atribute1 = 0 root4\_F108Atribute0 = 0 root4\_F179Atribute1 = 0 root4\_F179Atribute0 = 0 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root4\_F121Atribute1 = 0 root4\_F121Atribute0 = 0 root4\_F122Atribute1 = 0 root4\_F122Atribute0 = 0 root4\_F123Atribute1 = 0 root4\_F123Atribute0 = 0 root4\_F111Atribute1 = 0 root4\_F111Atribute0 = 0 root4\_F112Atribute1 = 0 root4\_F112Atribute0 = 0 root4\_F113Atribute1 = 0 root4\_F113Atribute0 = 0 root4\_F114Atribute1 = 0 root4\_F114Atribute0 = 0 root4\_F52Atribute1 = 92 root4\_F52Atribute0 = 20 root4\_F53Atribute1 = 0 root4\_F53Atribute0 = 0 root4\_F54Atribute1 = 36 root4\_F54Atribute0 = 69 root4\_F55Atribute1 = 0 root4\_F55Atribute0 = 0 root4\_F56Atribute1 = 0 root4\_F56Atribute0 = 0 root4\_F2Atribute1 = 0 root4\_F2Atribute0 = 0 root4\_F3Atribute1 = 0 root4\_F3Atribute0 = 0 root4\_F4Atribute1 = 99 root4\_F4Atribute0 = 64 root5\_F1Atribute1 = 4 root5\_F1Atribute0 = 27 root5\_F21Atribute1 = 0 root5\_F21Atribute0 = 0 root5\_F22Atribute1 = 0 root5\_F22Atribute0 = 0 root5\_F23Atribute1 = 0 root5\_F23Atribute0 = 0 root5\_F32Atribute1 = 0 root5\_F32Atribute0 = 0 root5\_F315Atribute1 = 26 root5\_F315Atribute0 = 23 root5\_F316Atribute1 = 55 root5\_F316Atribute0 = 56 root5\_F317Atribute1 = 35 root5\_F317Atribute0 = 95 root5\_F318Atribute1 = 59 root5\_F318Atribute0 = 0 root5\_F319Atribute1 = 45 root5\_F319Atribute0 = 72 root5\_F37Atribute1 = 88 root5\_F37Atribute0 = 28 root5\_F236Atribute1 = 43 root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 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root5\_F133Atribute1 = 0 root5\_F133Atribute0 = 0 root5\_F73Atribute1 = 0 root5\_F73Atribute0 = 0 root5\_F74Atribute1 = 0 root5\_F74Atribute0 = 0 root5\_F55Atribute1 = 31 root5\_F55Atribute0 = 41 root5\_F56Atribute1 = 0 root5\_F56Atribute0 = 0 root5\_F205Atribute1 = 0 root5\_F205Atribute0 = 0 root5\_F206Atribute1 = 0 root5\_F206Atribute0 = 0 root5\_F207Atribute1 = 0 root5\_F207Atribute0 = 0 root5\_F66Atribute1 = 0 root5\_F66Atribute0 = 0 root5\_F58Atribute1 = 70 root5\_F58Atribute0 = 10 root5\_F59Atribute1 = 66 root5\_F59Atribute0 = 66 root5\_F60Atribute1 = 0 root5\_F60Atribute0 = 0 root5\_F199Atribute1 = 0 root5\_F199Atribute0 = 0 root5\_F200Atribute1 = 0 root5\_F200Atribute0 = 0 root5\_F228Atribute1 = 0 root5\_F228Atribute0 = 0 root5\_F229Atribute1 = 0 root5\_F229Atribute0 = 0 root5\_F230Atribute1 = 0 root5\_F230Atribute0 = 0 root5\_F202Atribute1 = 0 root5\_F202Atribute0 = 0 root5\_F203Atribute1 = 0 root5\_F203Atribute0 = 0 root5\_F204Atribute1 = 0 root5\_F204Atribute0 = 0 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root5\_F193Atribute0 = 0 root5\_F194Atribute1 = 0 root5\_F194Atribute0 = 0 root5\_F195Atribute1 = 0 root5\_F195Atribute0 = 0 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 0 root5\_F227Atribute0 = 0 root5\_F198Atribute1 = 0 root5\_F198Atribute0 = 0 root5\_F95Atribute1 = 0 root5\_F95Atribute0 = 0 root5\_F266Atribute1 = 0 root5\_F266Atribute0 = 0 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 0 root5\_F269Atribute0 = 0 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 0 root5\_F208Atribute0 = 0 root5\_F209Atribute1 = 0 root5\_F209Atribute0 = 0 root5\_F210Atribute1 = 50 root5\_F210Atribute0 = 59 root5\_F211Atribute1 = 10 root5\_F211Atribute0 = 91 root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 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root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 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root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11605 totalAtribute1 = -12174 .

- Solution #8 found. Solver[Solver-0], 8 Solutions, Resolution time 0.738s, 222 Nodes (300.9 n/s), 30 Backtracks, 15 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 0 root5\_F302Atribute0 = 0 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 0 root5\_F304Atribute0 = 0 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 0 root5\_F147Atribute0 = 0 root5\_F63Atribute1 = 0 root5\_F63Atribute0 = 0 root5\_F64Atribute1 = 0 root5\_F64Atribute0 = 1 root5\_F65Atribute1 = 0 root5\_F65Atribute0 = 0 root5\_F75Atribute1 = 85 root5\_F75Atribute0 = 44 root5\_F76Atribute1 = 39 root5\_F76Atribute0 = 91 root5\_F184Atribute1 = 80 root5\_F184Atribute0 = 35 root5\_F185Atribute1 = 0 root5\_F185Atribute0 = 0 root5\_F186Atribute1 = 15 root5\_F186Atribute0 = 86 root5\_F238Atribute1 = 0 root5\_F238Atribute0 = 0 root5\_F78Atribute1 = 4 root5\_F78Atribute0 = 33 root5\_F79Atribute1 = 52 root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 0 root5\_F255Atribute0 = 0 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11679 totalAtribute1 = -12272 .

- Solution #9 found. Solver[Solver-0], 9 Solutions, Resolution time 0.811s, 223 Nodes (274.9 n/s), 32 Backtracks, 15 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 = 0 feature\_root2\_F26 = 0 feature\_root2\_F82 = 0 feature\_root2\_F267 = 0 feature\_root2\_F268 = 0 feature\_root2\_F269 = 0 feature\_root2\_F270 = 0 feature\_root2\_F271 = 0 feature\_root2\_F272 = 0 feature\_root2\_F273 = 0 feature\_root2\_F274 = 0 feature\_root2\_F83 = 0 feature\_root2\_F90 = 0 feature\_root2\_F91 = 0 feature\_root2\_F92 = 0 feature\_root2\_F84 = 0 feature\_root2\_F85 = 0 feature\_root2\_F158 = 0 feature\_root2\_F159 = 0 feature\_root2\_F86 = 0 feature\_root2\_F87 = 0 feature\_root2\_F88 = 0 feature\_root2\_F89 = 0 feature\_root2\_F14 = 0 feature\_root2\_F27 = 0 feature\_root2\_F15 = 0 feature\_root2\_F18 = 0 feature\_root2\_F19 = 0 feature\_root2\_F20 = 0 feature\_root2\_F21 = 0 feature\_root2\_F31 = 0 feature\_root2\_F36 = 0 feature\_root2\_F103 = 0 feature\_root2\_F166 = 0 feature\_root2\_F167 = 0 feature\_root2\_F168 = 0 feature\_root2\_F104 = 0 feature\_root2\_F108 = 0 feature\_root2\_F109 = 0 feature\_root2\_F160 = 0 feature\_root2\_F161 = 0 feature\_root2\_F162 = 0 feature\_root2\_F163 = 0 feature\_root2\_F164 = 0 feature\_root2\_F255 = 0 feature\_root2\_F256 = 0 feature\_root2\_F105 = 0 feature\_root2\_F106 = 0 feature\_root2\_F144 = 0 feature\_root2\_F145 = 0 feature\_root2\_F146 = 0 feature\_root2\_F187 = 0 feature\_root2\_F248 = 0 feature\_root2\_F249 = 0 feature\_root2\_F250 = 0 feature\_root2\_F251 = 0 feature\_root2\_F252 = 0 feature\_root2\_F253 = 0 feature\_root2\_F254 = 0 feature\_root2\_F188 = 0 feature\_root2\_F189 = 0 feature\_root2\_F190 = 0 feature\_root2\_F191 = 0 feature\_root2\_F192 = 0 feature\_root2\_F193 = 0 feature\_root2\_F194 = 0 feature\_root2\_F195 = 0 feature\_root2\_F147 = 0 feature\_root2\_F148 = 0 feature\_root2\_F149 = 0 feature\_root2\_F150 = 0 feature\_root2\_F107 = 0 feature\_root2\_F295 = 0 feature\_root2\_F305 = 0 feature\_root2\_F306 = 0 feature\_root2\_F307 = 0 feature\_root2\_F308 = 0 feature\_root2\_F309 = 0 feature\_root2\_F310 = 0 feature\_root2\_F311 = 0 feature\_root2\_F312 = 0 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root4\_F121Atribute1 = 0 root4\_F121Atribute0 = 0 root4\_F122Atribute1 = 0 root4\_F122Atribute0 = 0 root4\_F123Atribute1 = 0 root4\_F123Atribute0 = 0 root4\_F111Atribute1 = 0 root4\_F111Atribute0 = 0 root4\_F112Atribute1 = 0 root4\_F112Atribute0 = 0 root4\_F113Atribute1 = 0 root4\_F113Atribute0 = 0 root4\_F114Atribute1 = 0 root4\_F114Atribute0 = 0 root4\_F52Atribute1 = 92 root4\_F52Atribute0 = 20 root4\_F53Atribute1 = 0 root4\_F53Atribute0 = 0 root4\_F54Atribute1 = 36 root4\_F54Atribute0 = 69 root4\_F55Atribute1 = 0 root4\_F55Atribute0 = 0 root4\_F56Atribute1 = 0 root4\_F56Atribute0 = 0 root4\_F2Atribute1 = 0 root4\_F2Atribute0 = 0 root4\_F3Atribute1 = 0 root4\_F3Atribute0 = 0 root4\_F4Atribute1 = 99 root4\_F4Atribute0 = 64 root5\_F1Atribute1 = 4 root5\_F1Atribute0 = 27 root5\_F21Atribute1 = 0 root5\_F21Atribute0 = 0 root5\_F22Atribute1 = 0 root5\_F22Atribute0 = 0 root5\_F23Atribute1 = 0 root5\_F23Atribute0 = 0 root5\_F32Atribute1 = 0 root5\_F32Atribute0 = 0 root5\_F315Atribute1 = 26 root5\_F315Atribute0 = 23 root5\_F316Atribute1 = 55 root5\_F316Atribute0 = 56 root5\_F317Atribute1 = 35 root5\_F317Atribute0 = 95 root5\_F318Atribute1 = 59 root5\_F318Atribute0 = 0 root5\_F319Atribute1 = 45 root5\_F319Atribute0 = 72 root5\_F37Atribute1 = 88 root5\_F37Atribute0 = 28 root5\_F236Atribute1 = 43 root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 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root5\_F133Atribute1 = 0 root5\_F133Atribute0 = 0 root5\_F73Atribute1 = 0 root5\_F73Atribute0 = 0 root5\_F74Atribute1 = 0 root5\_F74Atribute0 = 0 root5\_F55Atribute1 = 31 root5\_F55Atribute0 = 41 root5\_F56Atribute1 = 0 root5\_F56Atribute0 = 0 root5\_F205Atribute1 = 0 root5\_F205Atribute0 = 0 root5\_F206Atribute1 = 0 root5\_F206Atribute0 = 0 root5\_F207Atribute1 = 0 root5\_F207Atribute0 = 0 root5\_F66Atribute1 = 0 root5\_F66Atribute0 = 0 root5\_F58Atribute1 = 70 root5\_F58Atribute0 = 10 root5\_F59Atribute1 = 66 root5\_F59Atribute0 = 66 root5\_F60Atribute1 = 0 root5\_F60Atribute0 = 0 root5\_F199Atribute1 = 0 root5\_F199Atribute0 = 0 root5\_F200Atribute1 = 0 root5\_F200Atribute0 = 0 root5\_F228Atribute1 = 0 root5\_F228Atribute0 = 0 root5\_F229Atribute1 = 0 root5\_F229Atribute0 = 0 root5\_F230Atribute1 = 0 root5\_F230Atribute0 = 0 root5\_F202Atribute1 = 0 root5\_F202Atribute0 = 0 root5\_F203Atribute1 = 0 root5\_F203Atribute0 = 0 root5\_F204Atribute1 = 0 root5\_F204Atribute0 = 0 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root5\_F193Atribute0 = 0 root5\_F194Atribute1 = 0 root5\_F194Atribute0 = 0 root5\_F195Atribute1 = 0 root5\_F195Atribute0 = 0 root5\_F196Atribute1 = 43 root5\_F196Atribute0 = 18 root5\_F227Atribute1 = 0 root5\_F227Atribute0 = 0 root5\_F198Atribute1 = 0 root5\_F198Atribute0 = 0 root5\_F95Atribute1 = 0 root5\_F95Atribute0 = 0 root5\_F266Atribute1 = 0 root5\_F266Atribute0 = 0 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 0 root5\_F269Atribute0 = 0 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 0 root5\_F208Atribute0 = 0 root5\_F209Atribute1 = 0 root5\_F209Atribute0 = 0 root5\_F210Atribute1 = 50 root5\_F210Atribute0 = 59 root5\_F211Atribute1 = 10 root5\_F211Atribute0 = 91 root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 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root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 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root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11751 totalAtribute1 = -12294 .

- Solution #10 found. Solver[Solver-0], 10 Solutions, Resolution time 0.905s, 228 Nodes (251.9 n/s), 36 Backtracks, 15 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 0 root5\_F302Atribute0 = 0 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 0 root5\_F304Atribute0 = 0 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 0 root5\_F147Atribute0 = 0 root5\_F63Atribute1 = 0 root5\_F63Atribute0 = 0 root5\_F64Atribute1 = 0 root5\_F64Atribute0 = 1 root5\_F65Atribute1 = 0 root5\_F65Atribute0 = 0 root5\_F75Atribute1 = 85 root5\_F75Atribute0 = 44 root5\_F76Atribute1 = 39 root5\_F76Atribute0 = 91 root5\_F184Atribute1 = 80 root5\_F184Atribute0 = 35 root5\_F185Atribute1 = 0 root5\_F185Atribute0 = 0 root5\_F186Atribute1 = 15 root5\_F186Atribute0 = 86 root5\_F238Atribute1 = 0 root5\_F238Atribute0 = 0 root5\_F78Atribute1 = 4 root5\_F78Atribute0 = 33 root5\_F79Atribute1 = 52 root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 0 root5\_F255Atribute0 = 0 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 0 root5\_F163Atribute0 = 0 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11509 totalAtribute1 = -12138 .

\*\* Choco 3.3.3 (2015-12) : Constraint Programming Solver, Copyleft (c) 2010-2015

- Solver[Solver-0] features:

Variables : 26686

Constraints : 29388

Default search strategy : no

Completed search strategy : no

- Incomplete search - Limit reached.

Solver[Solver-0]

Solutions: 10

Building time : 0.343s

Resolution time : 1.000s

Nodes: 228 (228.1 n/s)

Backtracks: 36

Fails: 15

Restarts: 0

Variables: 26,686

Constraints: 29,388

Ended at: 1490283189371

Total time: 1161

# Heuristic 3

Started at: 1490294313864

- Solution #1 found. Solver[Solver-0], 1 Solutions, Resolution time 0.708s, 210 Nodes (296.8 n/s), 17 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 = 0 root5\_F224Atribute1 = 0 root5\_F224Atribute0 = 0 root5\_F102Atribute1 = 0 root5\_F102Atribute0 = 0 root5\_F103Atribute1 = 0 root5\_F103Atribute0 = 0 root5\_F117Atribute1 = 0 root5\_F117Atribute0 = 0 root5\_F118Atribute1 = 0 root5\_F118Atribute0 = 0 root5\_F119Atribute1 = 0 root5\_F119Atribute0 = 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root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 0 root5\_F302Atribute0 = 0 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 0 root5\_F304Atribute0 = 0 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 0 root5\_F147Atribute0 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29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 0 root5\_F163Atribute0 = 0 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11468 totalAtribute1 = -12065 .

- Solution #2 found. Solver[Solver-0], 2 Solutions, Resolution time 0.839s, 211 Nodes (251.6 n/s), 18 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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root5\_F95Atribute0 = 0 root5\_F266Atribute1 = 0 root5\_F266Atribute0 = 0 root5\_F267Atribute1 = 83 root5\_F267Atribute0 = 13 root5\_F268Atribute1 = 93 root5\_F268Atribute0 = 23 root5\_F269Atribute1 = 0 root5\_F269Atribute0 = 0 root5\_F270Atribute1 = 6 root5\_F270Atribute0 = 82 root5\_F271Atribute1 = 14 root5\_F271Atribute0 = 8 root5\_F272Atribute1 = 82 root5\_F272Atribute0 = 67 root5\_F97Atribute1 = 47 root5\_F97Atribute0 = 84 root5\_F98Atribute1 = 52 root5\_F98Atribute0 = 18 root5\_F208Atribute1 = 0 root5\_F208Atribute0 = 0 root5\_F209Atribute1 = 0 root5\_F209Atribute0 = 0 root5\_F210Atribute1 = 50 root5\_F210Atribute0 = 59 root5\_F211Atribute1 = 10 root5\_F211Atribute0 = 91 root5\_F212Atribute1 = 76 root5\_F212Atribute0 = 93 root5\_F86Atribute1 = 85 root5\_F86Atribute0 = 85 root5\_F137Atribute1 = 0 root5\_F137Atribute0 = 0 root5\_F138Atribute1 = 0 root5\_F138Atribute0 = 0 root5\_F139Atribute1 = 0 root5\_F139Atribute0 = 0 root5\_F140Atribute1 = 0 root5\_F140Atribute0 = 0 root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 0 root5\_F302Atribute0 = 0 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 0 root5\_F304Atribute0 = 0 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 0 root5\_F147Atribute0 = 0 root5\_F63Atribute1 = 0 root5\_F63Atribute0 = 0 root5\_F64Atribute1 = 0 root5\_F64Atribute0 = 1 root5\_F65Atribute1 = 0 root5\_F65Atribute0 = 0 root5\_F75Atribute1 = 85 root5\_F75Atribute0 = 44 root5\_F76Atribute1 = 39 root5\_F76Atribute0 = 91 root5\_F184Atribute1 = 80 root5\_F184Atribute0 = 35 root5\_F185Atribute1 = 0 root5\_F185Atribute0 = 0 root5\_F186Atribute1 = 15 root5\_F186Atribute0 = 86 root5\_F238Atribute1 = 0 root5\_F238Atribute0 = 0 root5\_F78Atribute1 = 4 root5\_F78Atribute0 = 33 root5\_F79Atribute1 = 52 root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 0 root5\_F255Atribute0 = 0 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 0 root5\_F163Atribute0 = 0 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11542 totalAtribute1 = -12163 .

- Solution #3 found. Solver[Solver-0], 3 Solutions, Resolution time 0.921s, 213 Nodes (231.3 n/s), 20 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 = 0 root5\_F224Atribute1 = 0 root5\_F224Atribute0 = 0 root5\_F102Atribute1 = 0 root5\_F102Atribute0 = 0 root5\_F103Atribute1 = 0 root5\_F103Atribute0 = 0 root5\_F117Atribute1 = 0 root5\_F117Atribute0 = 0 root5\_F118Atribute1 = 0 root5\_F118Atribute0 = 0 root5\_F119Atribute1 = 0 root5\_F119Atribute0 = 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29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 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root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 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root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11535 totalAtribute1 = -12158 .

- Solution #4 found. Solver[Solver-0], 4 Solutions, Resolution time 1.126s, 214 Nodes (190.0 n/s), 21 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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= 0 root5\_F63Atribute1 = 0 root5\_F63Atribute0 = 0 root5\_F64Atribute1 = 0 root5\_F64Atribute0 = 1 root5\_F65Atribute1 = 0 root5\_F65Atribute0 = 0 root5\_F75Atribute1 = 85 root5\_F75Atribute0 = 44 root5\_F76Atribute1 = 39 root5\_F76Atribute0 = 91 root5\_F184Atribute1 = 80 root5\_F184Atribute0 = 35 root5\_F185Atribute1 = 0 root5\_F185Atribute0 = 0 root5\_F186Atribute1 = 15 root5\_F186Atribute0 = 86 root5\_F238Atribute1 = 0 root5\_F238Atribute0 = 0 root5\_F78Atribute1 = 4 root5\_F78Atribute0 = 33 root5\_F79Atribute1 = 52 root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 0 root5\_F255Atribute0 = 0 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 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root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11609 totalAtribute1 = -12256 .

- Solution #5 found. Solver[Solver-0], 5 Solutions, Resolution time 1.305s, 216 Nodes (165.5 n/s), 24 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 = 0 root5\_F224Atribute1 = 0 root5\_F224Atribute0 = 0 root5\_F102Atribute1 = 0 root5\_F102Atribute0 = 0 root5\_F103Atribute1 = 0 root5\_F103Atribute0 = 0 root5\_F117Atribute1 = 0 root5\_F117Atribute0 = 0 root5\_F118Atribute1 = 0 root5\_F118Atribute0 = 0 root5\_F119Atribute1 = 0 root5\_F119Atribute0 = 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root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 0 root5\_F302Atribute0 = 0 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 0 root5\_F304Atribute0 = 0 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 0 root5\_F147Atribute0 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29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11607 totalAtribute1 = -12180 .

- Solution #6 found. Solver[Solver-0], 6 Solutions, Resolution time 2.564s, 217 Nodes (84.6 n/s), 25 Backtracks, 14 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 0 root5\_F302Atribute0 = 0 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 0 root5\_F304Atribute0 = 0 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 0 root5\_F147Atribute0 = 0 root5\_F63Atribute1 = 0 root5\_F63Atribute0 = 0 root5\_F64Atribute1 = 0 root5\_F64Atribute0 = 1 root5\_F65Atribute1 = 0 root5\_F65Atribute0 = 0 root5\_F75Atribute1 = 85 root5\_F75Atribute0 = 44 root5\_F76Atribute1 = 39 root5\_F76Atribute0 = 91 root5\_F184Atribute1 = 80 root5\_F184Atribute0 = 35 root5\_F185Atribute1 = 0 root5\_F185Atribute0 = 0 root5\_F186Atribute1 = 15 root5\_F186Atribute0 = 86 root5\_F238Atribute1 = 0 root5\_F238Atribute0 = 0 root5\_F78Atribute1 = 4 root5\_F78Atribute0 = 33 root5\_F79Atribute1 = 52 root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 0 root5\_F255Atribute0 = 0 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 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root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11681 totalAtribute1 = -12278 .

- Solution #7 found. Solver[Solver-0], 7 Solutions, Resolution time 2.668s, 221 Nodes (82.8 n/s), 29 Backtracks, 15 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 = 0 root5\_F224Atribute1 = 0 root5\_F224Atribute0 = 0 root5\_F102Atribute1 = 0 root5\_F102Atribute0 = 0 root5\_F103Atribute1 = 0 root5\_F103Atribute0 = 0 root5\_F117Atribute1 = 0 root5\_F117Atribute0 = 0 root5\_F118Atribute1 = 0 root5\_F118Atribute0 = 0 root5\_F119Atribute1 = 0 root5\_F119Atribute0 = 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root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 0 root5\_F302Atribute0 = 0 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 0 root5\_F304Atribute0 = 0 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 0 root5\_F147Atribute0 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29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11605 totalAtribute1 = -12174 .

- Solution #8 found. Solver[Solver-0], 8 Solutions, Resolution time 2.819s, 222 Nodes (78.7 n/s), 30 Backtracks, 15 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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root5\_F306Atribute1 = 0 root5\_F306Atribute0 = 0 root5\_F307Atribute1 = 0 root5\_F307Atribute0 = 0 root5\_F308Atribute1 = 0 root5\_F308Atribute0 = 0 root5\_F309Atribute1 = 0 root5\_F309Atribute0 = 0 root5\_F310Atribute1 = 0 root5\_F310Atribute0 = 0 root5\_F311Atribute1 = 0 root5\_F311Atribute0 = 0 root5\_F312Atribute1 = 0 root5\_F312Atribute0 = 0 root5\_F313Atribute1 = 0 root5\_F313Atribute0 = 0 root5\_F314Atribute1 = 0 root5\_F314Atribute0 = 0 root5\_F142Atribute1 = 0 root5\_F142Atribute0 = 0 root5\_F279Atribute1 = 0 root5\_F279Atribute0 = 0 root5\_F144Atribute1 = 0 root5\_F144Atribute0 = 0 root5\_F145Atribute1 = 0 root5\_F145Atribute0 = 0 root5\_F181Atribute1 = 0 root5\_F181Atribute0 = 0 root5\_F302Atribute1 = 0 root5\_F302Atribute0 = 0 root5\_F303Atribute1 = 25 root5\_F303Atribute0 = 17 root5\_F304Atribute1 = 0 root5\_F304Atribute0 = 0 root5\_F305Atribute1 = 47 root5\_F305Atribute0 = 84 root5\_F89Atribute1 = 66 root5\_F89Atribute0 = 51 root5\_F147Atribute1 = 0 root5\_F147Atribute0 = 0 root5\_F63Atribute1 = 0 root5\_F63Atribute0 = 0 root5\_F64Atribute1 = 0 root5\_F64Atribute0 = 1 root5\_F65Atribute1 = 0 root5\_F65Atribute0 = 0 root5\_F75Atribute1 = 85 root5\_F75Atribute0 = 44 root5\_F76Atribute1 = 39 root5\_F76Atribute0 = 91 root5\_F184Atribute1 = 80 root5\_F184Atribute0 = 35 root5\_F185Atribute1 = 0 root5\_F185Atribute0 = 0 root5\_F186Atribute1 = 15 root5\_F186Atribute0 = 86 root5\_F238Atribute1 = 0 root5\_F238Atribute0 = 0 root5\_F78Atribute1 = 4 root5\_F78Atribute0 = 33 root5\_F79Atribute1 = 52 root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 0 root5\_F255Atribute0 = 0 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 0 root5\_F220Atribute0 = 0 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11679 totalAtribute1 = -12272 .

- Solution #9 found. Solver[Solver-0], 9 Solutions, Resolution time 2.983s, 223 Nodes (74.8 n/s), 32 Backtracks, 15 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 0 feature\_root1\_F246 = 0 feature\_root1\_F62 = 0 feature\_root1\_F63 = 0 feature\_root1\_F37 = 0 feature\_root1\_F38 = 0 feature\_root1\_F116 = 0 feature\_root1\_F117 = 0 feature\_root1\_F118 = 0 feature\_root1\_F119 = 0 feature\_root1\_F120 = 0 feature\_root1\_F121 = 0 feature\_root1\_F122 = 0 feature\_root1\_F123 = 0 feature\_root1\_F168 = 0 feature\_root1\_F169 = 0 feature\_root1\_F319 = 0 feature\_root1\_F170 = 0 feature\_root1\_F124 = 0 feature\_root1\_F125 = 0 feature\_root1\_F39 = 0 feature\_root1\_F24 = 0 feature\_root1\_F25 = 0 feature\_root1\_F152 = 0 feature\_root1\_F153 = 0 feature\_root1\_F26 = 0 feature\_root1\_F27 = 0 feature\_root1\_F28 = 0 feature\_root1\_F29 = 0 feature\_root1\_F90 = 0 feature\_root1\_F30 = 0 feature\_root1\_F5 = 0 feature\_root1\_F9 = 0 feature\_root1\_F40 = 0 feature\_root1\_F41 = 0 feature\_root1\_F200 = 0 feature\_root1\_F201 = 0 feature\_root1\_F202 = 0 feature\_root1\_F42 = 0 feature\_root1\_F43 = 0 feature\_root1\_F66 = 0 feature\_root1\_F71 = 0 feature\_root1\_F72 = 0 feature\_root1\_F73 = 0 feature\_root1\_F74 = 0 feature\_root1\_F75 = 0 feature\_root1\_F76 = 0 feature\_root1\_F104 = 0 feature\_root1\_F77 = 0 feature\_root1\_F78 = 0 feature\_root1\_F79 = 0 feature\_root1\_F80 = 0 feature\_root1\_F44 = 0 feature\_root1\_F142 = 0 feature\_root1\_F45 = 0 feature\_root1\_F47 = 0 feature\_root1\_F48 = 0 feature\_root1\_F56 = 0 feature\_root1\_F81 = 0 feature\_root1\_F82 = 0 feature\_root1\_F100 = 0 feature\_root1\_F160 = 0 feature\_root1\_F161 = 0 feature\_root1\_F292 = 0 feature\_root1\_F293 = 0 feature\_root1\_F294 = 0 feature\_root1\_F295 = 0 feature\_root1\_F162 = 0 feature\_root1\_F163 = 0 feature\_root1\_F224 = 0 feature\_root1\_F225 = 0 feature\_root1\_F226 = 0 feature\_root1\_F227 = 0 feature\_root1\_F228 = 0 feature\_root1\_F164 = 0 feature\_root1\_F165 = 0 feature\_root1\_F166 = 0 feature\_root1\_F167 = 0 feature\_root1\_F101 = 0 feature\_root1\_F102 = 0 feature\_root1\_F103 = 0 feature\_root1\_F136 = 0 feature\_root1\_F137 = 0 feature\_root1\_F138 = 0 feature\_root1\_F139 = 0 feature\_root1\_F140 = 0 feature\_root1\_F141 = 0 feature\_root1\_F181 = 0 feature\_root1\_F182 = 0 feature\_root1\_F183 = 0 feature\_root1\_F184 = 0 feature\_root1\_F185 = 0 feature\_root1\_F83 = 0 feature\_root1\_F282 = 0 feature\_root1\_F84 = 0 feature\_root1\_F105 = 0 feature\_root1\_F85 = 0 feature\_root1\_F86 = 0 feature\_root1\_F186 = 0 feature\_root1\_F266 = 0 feature\_root1\_F267 = 0 feature\_root1\_F268 = 0 feature\_root1\_F269 = 0 feature\_root1\_F270 = 0 feature\_root1\_F271 = 0 feature\_root1\_F272 = 0 feature\_root1\_F187 = 0 feature\_root1\_F188 = 0 feature\_root1\_F189 = 0 feature\_root1\_F190 = 0 feature\_root1\_F191 = 0 feature\_root1\_F192 = 0 feature\_root1\_F193 = 0 feature\_root1\_F211 = 0 feature\_root1\_F231 = 0 feature\_root1\_F232 = 0 feature\_root1\_F212 = 0 feature\_root1\_F213 = 0 feature\_root1\_F214 = 0 feature\_root1\_F215 = 0 feature\_root1\_F216 = 0 feature\_root1\_F87 = 0 feature\_root1\_F88 = 0 feature\_root1\_F91 = 0 feature\_root1\_F92 = 0 feature\_root1\_F93 = 0 feature\_root1\_F94 = 0 feature\_root1\_F126 = 0 feature\_root1\_F127 = 0 feature\_root1\_F238 = 0 feature\_root1\_F247 = 0 feature\_root1\_F248 = 0 feature\_root1\_F249 = 0 feature\_root1\_F250 = 0 feature\_root1\_F239 = 0 feature\_root1\_F240 = 0 feature\_root1\_F241 = 0 feature\_root1\_F242 = 0 feature\_root1\_F128 = 0 feature\_root1\_F129 = 0 feature\_root1\_F306 = 0 feature\_root1\_F130 = 0 feature\_root1\_F209 = 0 feature\_root1\_F210 = 0 feature\_root1\_F131 = 0 feature\_root1\_F317 = 0 feature\_root1\_F318 = 0 feature\_root1\_F132 = 0 feature\_root1\_F133 = 0 feature\_root1\_F134 = 0 feature\_root1\_F135 = 0 feature\_root1\_F95 = 0 feature\_root1\_F96 = 0 feature\_root1\_F97 = 0 feature\_root1\_F98 = 0 feature\_root1\_F99 = 0 feature\_root1\_F89 = 0 feature\_root1\_F49 = 0 feature\_root1\_F217 = 0 feature\_root1\_F218 = 0 feature\_root1\_F219 = 0 feature\_root1\_F220 = 0 feature\_root1\_F221 = 0 feature\_root1\_F222 = 0 feature\_root1\_F50 = 0 feature\_root1\_F51 = 0 feature\_root1\_F52 = 0 feature\_root1\_F53 = 0 feature\_root1\_F235 = 0 feature\_root1\_F236 = 0 feature\_root1\_F237 = 0 feature\_root1\_F54 = 0 feature\_root1\_F194 = 0 feature\_root1\_F195 = 0 feature\_root1\_F233 = 0 feature\_root1\_F196 = 0 feature\_root1\_F197 = 0 feature\_root1\_F198 = 0 feature\_root1\_F199 = 0 feature\_root1\_F55 = 0 feature\_root1\_F223 = 0 feature\_root1\_F283 = 0 feature\_root1\_F284 = 0 feature\_root1\_F285 = 0 feature\_root1\_F286 = 0 feature\_root1\_F287 = 0 feature\_root1\_F288 = 0 feature\_root1\_F289 = 0 feature\_root1\_F298 = 0 feature\_root1\_F299 = 0 feature\_root1\_F300 = 0 feature\_root1\_F301 = 0 feature\_root1\_F302 = 0 feature\_root1\_F303 = 0 feature\_root1\_F304 = 0 feature\_root1\_F305 = 0 feature\_root1\_F290 = 0 feature\_root1\_F291 = 0 feature\_root1\_F46 = 0 feature\_root1\_F6 = 1 feature\_root1\_F7 = 0 feature\_root1\_F8 = 1 feature\_root1\_F10 = 1 feature\_root1\_F11 = 1 feature\_root1\_F12 = 0 feature\_root1\_F13 = 1 feature\_root1\_F19 = 0 feature\_root1\_F143 = 0 feature\_root1\_F144 = 0 feature\_root1\_F145 = 0 feature\_root1\_F146 = 0 feature\_root1\_F147 = 0 feature\_root1\_F148 = 0 feature\_root1\_F149 = 0 feature\_root1\_F150 = 0 feature\_root1\_F154 = 0 feature\_root1\_F155 = 0 feature\_root1\_F156 = 0 feature\_root1\_F157 = 0 feature\_root1\_F158 = 0 feature\_root1\_F159 = 0 feature\_root1\_F151 = 0 feature\_root1\_F20 = 1 feature\_root1\_F230 = 0 feature\_root1\_F21 = 0 feature\_root1\_F203 = 0 feature\_root1\_F204 = 0 feature\_root1\_F205 = 0 feature\_root1\_F307 = 0 feature\_root1\_F308 = 0 feature\_root1\_F309 = 0 feature\_root1\_F310 = 0 feature\_root1\_F311 = 0 feature\_root1\_F312 = 0 feature\_root1\_F313 = 0 feature\_root1\_F314 = 0 feature\_root1\_F315 = 0 feature\_root1\_F316 = 0 feature\_root1\_F206 = 0 feature\_root1\_F207 = 0 feature\_root1\_F14 = 1 feature\_root1\_F67 = 0 feature\_root1\_F68 = 0 feature\_root1\_F234 = 0 feature\_root1\_F69 = 0 feature\_root1\_F70 = 1 feature\_root1\_F15 = 1 feature\_root1\_F106 = 0 feature\_root1\_F251 = 0 feature\_root1\_F252 = 0 feature\_root1\_F253 = 0 feature\_root1\_F254 = 0 feature\_root1\_F255 = 0 feature\_root1\_F256 = 0 feature\_root1\_F257 = 0 feature\_root1\_F260 = 0 feature\_root1\_F258 = 0 feature\_root1\_F259 = 0 feature\_root1\_F107 = 1 feature\_root1\_F108 = 1 feature\_root1\_F109 = 0 feature\_root1\_F229 = 0 feature\_root1\_F110 = 1 feature\_root1\_F111 = 1 feature\_root1\_F112 = 1 feature\_root1\_F275 = 0 feature\_root1\_F276 = 1 feature\_root1\_F277 = 1 feature\_root1\_F278 = 1 feature\_root1\_F279 = 0 feature\_root1\_F280 = 1 feature\_root1\_F281 = 1 feature\_root1\_F113 = 0 feature\_root1\_F114 = 1 feature\_root1\_F115 = 1 feature\_root1\_F16 = 1 feature\_root1\_F17 = 1 feature\_root1\_F296 = 1 feature\_root1\_F297 = 1 feature\_root1\_F18 = 1 feature\_root2\_root = 1 feature\_root2\_F1 = 0 feature\_root2\_F143 = 0 feature\_root2\_F2 = 1 feature\_root2\_F12 = 0 feature\_root2\_F37 = 0 feature\_root2\_F38 = 0 feature\_root2\_F39 = 0 feature\_root2\_F40 = 0 feature\_root2\_F126 = 0 feature\_root2\_F127 = 0 feature\_root2\_F128 = 0 feature\_root2\_F129 = 0 feature\_root2\_F155 = 0 feature\_root2\_F275 = 0 feature\_root2\_F276 = 0 feature\_root2\_F277 = 0 feature\_root2\_F278 = 0 feature\_root2\_F156 = 0 feature\_root2\_F157 = 0 feature\_root2\_F41 = 0 feature\_root2\_F62 = 0 feature\_root2\_F63 = 0 feature\_root2\_F64 = 0 feature\_root2\_F65 = 0 feature\_root2\_F116 = 0 feature\_root2\_F117 = 0 feature\_root2\_F118 = 0 feature\_root2\_F119 = 0 feature\_root2\_F120 = 0 feature\_root2\_F121 = 0 feature\_root2\_F122 = 0 feature\_root2\_F123 = 0 feature\_root2\_F124 = 0 feature\_root2\_F125 = 0 feature\_root2\_F66 = 0 feature\_root2\_F71 = 0 feature\_root2\_F72 = 0 feature\_root2\_F73 = 0 feature\_root2\_F74 = 0 feature\_root2\_F196 = 0 feature\_root2\_F197 = 0 feature\_root2\_F198 = 0 feature\_root2\_F199 = 0 feature\_root2\_F200 = 0 feature\_root2\_F201 = 0 feature\_root2\_F202 = 0 feature\_root2\_F203 = 0 feature\_root2\_F220 = 0 feature\_root2\_F221 = 0 feature\_root2\_F222 = 0 feature\_root2\_F223 = 0 feature\_root2\_F224 = 0 feature\_root2\_F225 = 0 feature\_root2\_F226 = 0 feature\_root2\_F227 = 0 feature\_root2\_F228 = 0 feature\_root2\_F229 = 0 feature\_root2\_F75 = 0 feature\_root2\_F76 = 0 feature\_root2\_F77 = 0 feature\_root2\_F78 = 0 feature\_root2\_F67 = 0 feature\_root2\_F3 = 0 feature\_root2\_F6 = 0 feature\_root2\_F211 = 0 feature\_root2\_F212 = 0 feature\_root2\_F213 = 0 feature\_root2\_F214 = 0 feature\_root2\_F215 = 0 feature\_root2\_F216 = 0 feature\_root2\_F217 = 0 feature\_root2\_F218 = 0 feature\_root2\_F219 = 0 feature\_root2\_F7 = 0 feature\_root2\_F8 = 0 feature\_root2\_F9 = 0 feature\_root2\_F44 = 0 feature\_root2\_F45 = 0 feature\_root2\_F46 = 0 feature\_root2\_F47 = 0 feature\_root2\_F10 = 0 feature\_root2\_F13 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root5\_F236Atribute0 = 92 root5\_F237Atribute1 = 25 root5\_F237Atribute0 = 52 root5\_F43Atribute1 = 0 root5\_F43Atribute0 = 0 root5\_F41Atribute1 = 41 root5\_F41Atribute0 = 76 root5\_F99Atribute1 = 97 root5\_F99Atribute0 = 80 root5\_F121Atribute1 = 0 root5\_F121Atribute0 = 0 root5\_F122Atribute1 = 0 root5\_F122Atribute0 = 0 root5\_F123Atribute1 = 0 root5\_F123Atribute0 = 0 root5\_F124Atribute1 = 0 root5\_F124Atribute0 = 0 root5\_F125Atribute1 = 0 root5\_F125Atribute0 = 0 root5\_F126Atribute1 = 0 root5\_F126Atribute0 = 0 root5\_F127Atribute1 = 0 root5\_F127Atribute0 = 0 root5\_F101Atribute1 = 97 root5\_F101Atribute0 = 62 root5\_F34Atribute1 = 44 root5\_F34Atribute0 = 32 root5\_F35Atribute1 = 50 root5\_F35Atribute0 = 64 root5\_F24Atribute1 = 0 root5\_F24Atribute0 = 0 root5\_F134Atribute1 = 98 root5\_F134Atribute0 = 100 root5\_F265Atribute1 = 0 root5\_F265Atribute0 = 0 root5\_F148Atribute1 = 0 root5\_F148Atribute0 = 0 root5\_F149Atribute1 = 66 root5\_F149Atribute0 = 45 root5\_F150Atribute1 = 21 root5\_F150Atribute0 = 87 root5\_F151Atribute1 = 56 root5\_F151Atribute0 = 85 root5\_F152Atribute1 = 0 root5\_F152Atribute0 = 0 root5\_F289Atribute1 = 0 root5\_F289Atribute0 = 0 root5\_F290Atribute1 = 0 root5\_F290Atribute0 = 0 root5\_F291Atribute1 = 99 root5\_F291Atribute0 = 62 root5\_F154Atribute1 = 0 root5\_F154Atribute0 = 0 root5\_F26Atribute1 = 52 root5\_F26Atribute0 = 75 root5\_F52Atribute1 = 67 root5\_F52Atribute0 = 87 root5\_F53Atribute1 = 0 root5\_F53Atribute0 = 0 root5\_F67Atribute1 = 0 root5\_F67Atribute0 = 0 root5\_F221Atribute1 = 0 root5\_F221Atribute0 = 0 root5\_F222Atribute1 = 0 root5\_F222Atribute0 = 0 root5\_F223Atribute1 = 0 root5\_F223Atribute0 = 0 root5\_F224Atribute1 = 0 root5\_F224Atribute0 = 0 root5\_F102Atribute1 = 0 root5\_F102Atribute0 = 0 root5\_F103Atribute1 = 0 root5\_F103Atribute0 = 0 root5\_F117Atribute1 = 0 root5\_F117Atribute0 = 0 root5\_F118Atribute1 = 0 root5\_F118Atribute0 = 0 root5\_F119Atribute1 = 0 root5\_F119Atribute0 = 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29 root5\_F257Atribute1 = 0 root5\_F257Atribute0 = 0 root5\_F258Atribute1 = 0 root5\_F258Atribute0 = 0 root5\_F259Atribute1 = 32 root5\_F259Atribute0 = 76 root5\_F260Atribute1 = 0 root5\_F260Atribute0 = 0 root5\_F261Atribute1 = 40 root5\_F261Atribute0 = 7 root5\_F262Atribute1 = 0 root5\_F262Atribute0 = 0 root5\_F263Atribute1 = 0 root5\_F263Atribute0 = 0 root5\_F273Atribute1 = 98 root5\_F273Atribute0 = 37 root5\_F274Atribute1 = 49 root5\_F274Atribute0 = 53 root5\_F292Atribute1 = 0 root5\_F292Atribute0 = 0 root5\_F293Atribute1 = 0 root5\_F293Atribute0 = 0 root5\_F294Atribute1 = 0 root5\_F294Atribute0 = 0 root5\_F295Atribute1 = 0 root5\_F295Atribute0 = 0 root5\_F276Atribute1 = 70 root5\_F276Atribute0 = 88 root5\_F277Atribute1 = 0 root5\_F277Atribute0 = 0 root5\_F278Atribute1 = 51 root5\_F278Atribute0 = 48 root5\_F233Atribute1 = 0 root5\_F233Atribute0 = 0 root5\_F234Atribute1 = 0 root5\_F234Atribute0 = 0 root5\_F235Atribute1 = 6 root5\_F235Atribute0 = 11 root5\_F47Atribute1 = 52 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root5\_F50Atribute0 = 19 root5\_F51Atribute1 = 0 root5\_F51Atribute0 = 0 root5\_F114Atribute1 = 0 root5\_F114Atribute0 = 0 root5\_F172Atribute1 = 0 root5\_F172Atribute0 = 0 root5\_F173Atribute1 = 0 root5\_F173Atribute0 = 0 root5\_F174Atribute1 = 25 root5\_F174Atribute0 = 52 root5\_F175Atribute1 = 47 root5\_F175Atribute0 = 34 root5\_F176Atribute1 = 35 root5\_F176Atribute0 = 32 root5\_F239Atribute1 = 0 root5\_F239Atribute0 = 0 root5\_F240Atribute1 = 0 root5\_F240Atribute0 = 0 root5\_F241Atribute1 = 0 root5\_F241Atribute0 = 0 root5\_F242Atribute1 = 0 root5\_F242Atribute0 = 0 root5\_F243Atribute1 = 0 root5\_F243Atribute0 = 0 root5\_F244Atribute1 = 0 root5\_F244Atribute0 = 0 root5\_F245Atribute1 = 0 root5\_F245Atribute0 = 0 root5\_F246Atribute1 = 0 root5\_F246Atribute0 = 0 root5\_F178Atribute1 = 41 root5\_F178Atribute0 = 56 root5\_F179Atribute1 = 21 root5\_F179Atribute0 = 68 root5\_F180Atribute1 = 69 root5\_F180Atribute0 = 54 root5\_F159Atribute1 = 95 root5\_F159Atribute0 = 64 root5\_F160Atribute1 = 0 root5\_F160Atribute0 = 0 root5\_F161Atribute1 = 41 root5\_F161Atribute0 = 13 root5\_F162Atribute1 = 0 root5\_F162Atribute0 = 0 root5\_F163Atribute1 = 93 root5\_F163Atribute0 = 67 root5\_F164Atribute1 = 79 root5\_F164Atribute0 = 58 root5\_F165Atribute1 = 0 root5\_F165Atribute0 = 0 root5\_F116Atribute1 = 0 root5\_F116Atribute0 = 0 root5\_F17Atribute1 = 14 root5\_F17Atribute0 = 52 root5\_F20Atribute1 = 14 root5\_F20Atribute0 = 59 root5\_F9Atribute1 = 0 root5\_F9Atribute0 = 0 root5\_F10Atribute1 = 0 root5\_F10Atribute0 = 0 root5\_F225Atribute1 = 95 root5\_F225Atribute0 = 56 root5\_F226Atribute1 = 56 root5\_F226Atribute0 = 52 root5\_F18Atribute1 = 0 root5\_F18Atribute0 = 0 root5\_F188Atribute1 = 14 root5\_F188Atribute0 = 63 root5\_F217Atribute1 = 0 root5\_F217Atribute0 = 0 root5\_F218Atribute1 = 70 root5\_F218Atribute0 = 95 root5\_F219Atribute1 = 0 root5\_F219Atribute0 = 0 root5\_F220Atribute1 = 22 root5\_F220Atribute0 = 72 root5\_F190Atribute1 = 0 root5\_F190Atribute0 = 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11751 totalAtribute1 = -12294 .

- Solution #10 found. Solver[Solver-0], 10 Solutions, Resolution time 3.216s, 228 Nodes (70.9 n/s), 36 Backtracks, 15 Fails, 0 Restarts

feature\_root1\_root = 1 feature\_root1\_F1 = 0 feature\_root1\_F2 = 0 feature\_root1\_F3 = 0 feature\_root1\_F4 = 0 feature\_root1\_F22 = 0 feature\_root1\_F171 = 0 feature\_root1\_F172 = 0 feature\_root1\_F173 = 0 feature\_root1\_F174 = 0 feature\_root1\_F175 = 0 feature\_root1\_F176 = 0 feature\_root1\_F177 = 0 feature\_root1\_F178 = 0 feature\_root1\_F261 = 0 feature\_root1\_F262 = 0 feature\_root1\_F263 = 0 feature\_root1\_F264 = 0 feature\_root1\_F265 = 0 feature\_root1\_F179 = 0 feature\_root1\_F180 = 0 feature\_root1\_F23 = 0 feature\_root1\_F31 = 0 feature\_root1\_F32 = 0 feature\_root1\_F33 = 0 feature\_root1\_F34 = 0 feature\_root1\_F35 = 0 feature\_root1\_F273 = 0 feature\_root1\_F274 = 0 feature\_root1\_F36 = 0 feature\_root1\_F57 = 0 feature\_root1\_F58 = 0 feature\_root1\_F59 = 0 feature\_root1\_F64 = 0 feature\_root1\_F65 = 0 feature\_root1\_F60 = 0 feature\_root1\_F61 = 0 feature\_root1\_F208 = 0 feature\_root1\_F243 = 0 feature\_root1\_F244 = 0 feature\_root1\_F245 = 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= 0 root5\_F63Atribute1 = 0 root5\_F63Atribute0 = 0 root5\_F64Atribute1 = 0 root5\_F64Atribute0 = 1 root5\_F65Atribute1 = 0 root5\_F65Atribute0 = 0 root5\_F75Atribute1 = 85 root5\_F75Atribute0 = 44 root5\_F76Atribute1 = 39 root5\_F76Atribute0 = 91 root5\_F184Atribute1 = 80 root5\_F184Atribute0 = 35 root5\_F185Atribute1 = 0 root5\_F185Atribute0 = 0 root5\_F186Atribute1 = 15 root5\_F186Atribute0 = 86 root5\_F238Atribute1 = 0 root5\_F238Atribute0 = 0 root5\_F78Atribute1 = 4 root5\_F78Atribute0 = 33 root5\_F79Atribute1 = 52 root5\_F79Atribute0 = 22 root5\_F80Atribute1 = 0 root5\_F80Atribute0 = 0 root5\_F81Atribute1 = 57 root5\_F81Atribute0 = 77 root5\_F255Atribute1 = 0 root5\_F255Atribute0 = 0 root5\_F83Atribute1 = 3 root5\_F83Atribute0 = 79 root5\_F45Atribute1 = 0 root5\_F45Atribute0 = 0 root5\_F111Atribute1 = 83 root5\_F111Atribute0 = 46 root5\_F112Atribute1 = 14 root5\_F112Atribute0 = 21 root5\_F231Atribute1 = 6 root5\_F231Atribute0 = 12 root5\_F256Atribute1 = 39 root5\_F256Atribute0 = 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root5\_F47Atribute0 = 97 root5\_F48Atribute1 = 34 root5\_F48Atribute0 = 18 root5\_F166Atribute1 = 0 root5\_F166Atribute0 = 0 root5\_F167Atribute1 = 0 root5\_F167Atribute0 = 0 root5\_F213Atribute1 = 0 root5\_F213Atribute0 = 0 root5\_F214Atribute1 = 0 root5\_F214Atribute0 = 0 root5\_F280Atribute1 = 0 root5\_F280Atribute0 = 0 root5\_F281Atribute1 = 0 root5\_F281Atribute0 = 0 root5\_F282Atribute1 = 0 root5\_F282Atribute0 = 0 root5\_F283Atribute1 = 0 root5\_F283Atribute0 = 0 root5\_F284Atribute1 = 0 root5\_F284Atribute0 = 0 root5\_F285Atribute1 = 0 root5\_F285Atribute0 = 0 root5\_F286Atribute1 = 0 root5\_F286Atribute0 = 0 root5\_F287Atribute1 = 0 root5\_F287Atribute0 = 0 root5\_F288Atribute1 = 0 root5\_F288Atribute0 = 0 root5\_F216Atribute1 = 0 root5\_F216Atribute0 = 0 root5\_F169Atribute1 = 0 root5\_F169Atribute0 = 0 root5\_F170Atribute1 = 0 root5\_F170Atribute0 = 0 root5\_F182Atribute1 = 0 root5\_F182Atribute0 = 0 root5\_F183Atribute1 = 0 root5\_F183Atribute0 = 0 root5\_F50Atribute1 = 75 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= 0 root5\_F14Atribute1 = 58 root5\_F14Atribute0 = 28 root5\_F15Atribute1 = 66 root5\_F15Atribute0 = 27 root5\_F6Atribute1 = 0 root5\_F6Atribute0 = 0 totalAtribute0 = 11509 totalAtribute1 = -12138 .

\*\* Choco 3.3.3 (2015-12) : Constraint Programming Solver, Copyleft (c) 2010-2015

- Solver[Solver-0] features:

Variables : 26686

Constraints : 29388

Default search strategy : no

Completed search strategy : no

- Incomplete search - Limit reached.

Solver[Solver-0]

Solutions: 10

Building time : 0.560s

Resolution time : 3.349s

Nodes: 228 (68.1 n/s)

Backtracks: 36

Fails: 15

Restarts: 0

Variables: 26,686

Constraints: 29,388

Ended at: 1490294317445

Total time: 3581