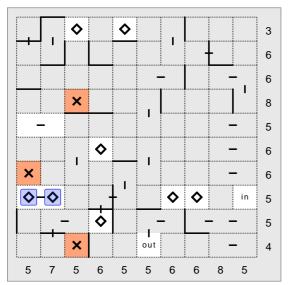
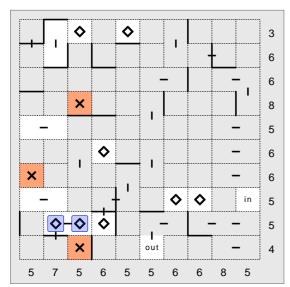


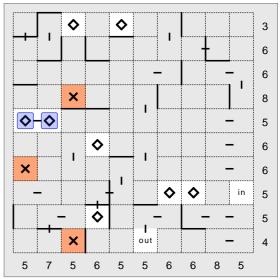
The puzzle.



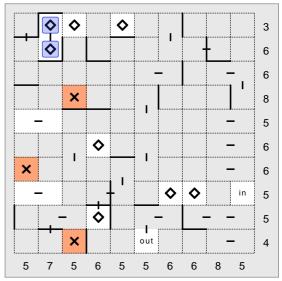
Step 2. The cells on either side of a pass-through clue are always included.



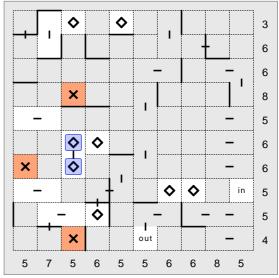
Step 4. The cells on either side of a pass-through clue are always included.



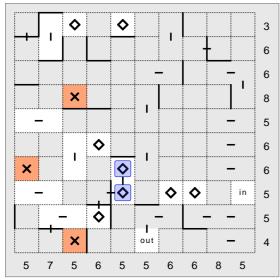
Step 1. The cells on either side of a pass-through clue are always included.



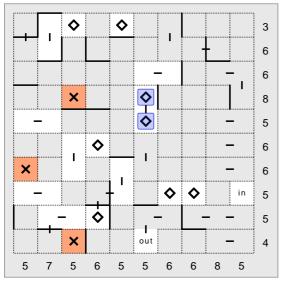
Step 3. The cells on either side of a pass-through clue are always included.



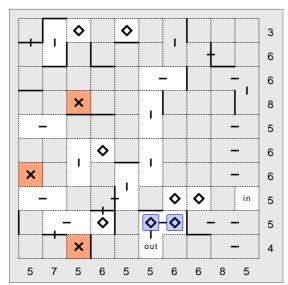
Step 5. The cells on either side of a pass-through clue are always included.



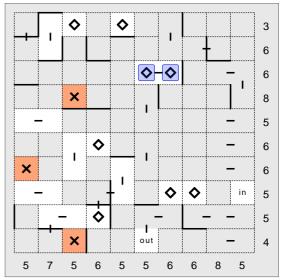
Step 6. The cells on either side of a pass-through clue are always included.



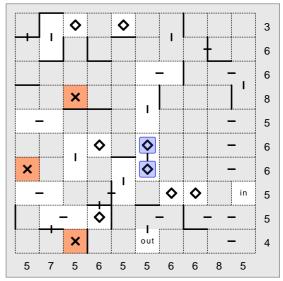
Step 8. The cells on either side of a pass-through clue are always included.



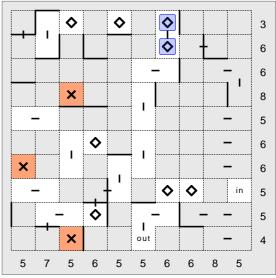
Step 10. The cells on either side of a pass-through clue are always included.



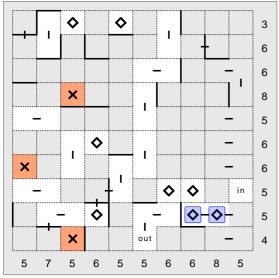
Step 7. The cells on either side of a pass-through clue are always included.



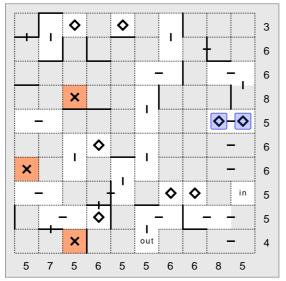
Step 9. The cells on either side of a pass-through clue are always included.



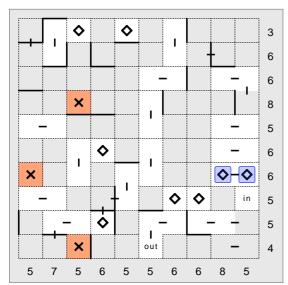
Step 11. The cells on either side of a pass-through clue are always included.



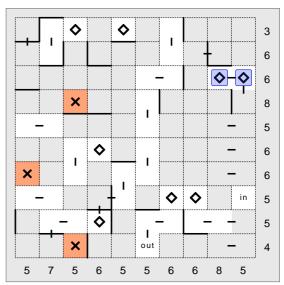
Step 12. The cells on either side of a pass-through clue are always included.



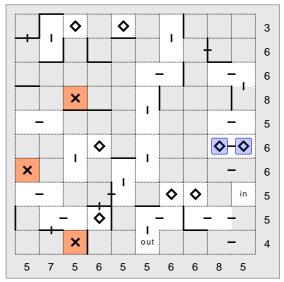
Step 14. The cells on either side of a pass-through clue are always included.



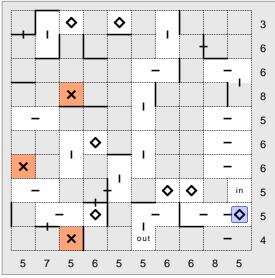
Step 16. The cells on either side of a pass-through clue are always included.



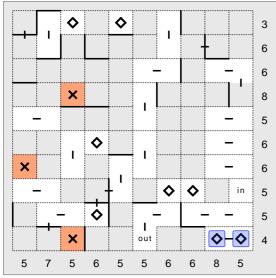
Step 13. The cells on either side of a pass-through clue are always included.



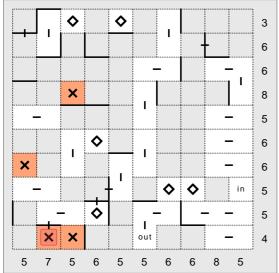
Step 15. The cells on either side of a pass-through clue are always included.



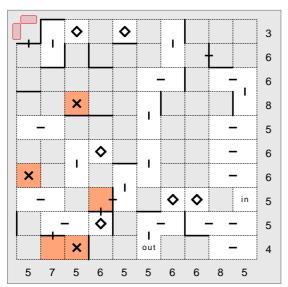
Step 17. The cells on either side of a pass-through clue are always included.



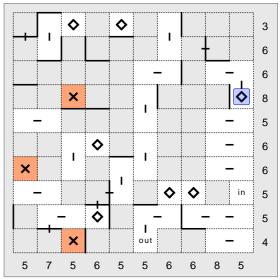
Step 18. The cells on either side of a pass-through clue are always included.



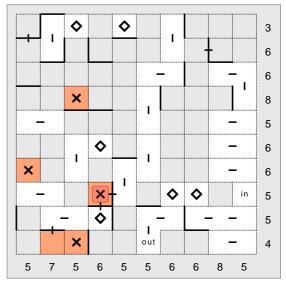
Step 20. One-side only hint available.



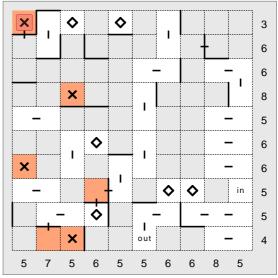
Step 22. If one inner slot of a corner cell contains a wall, the outer slots must be cleared and the cell is excluded.



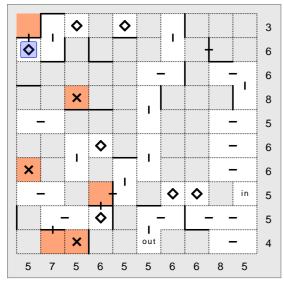
Step 19. The cells on either side of a pass-through clue are always included.



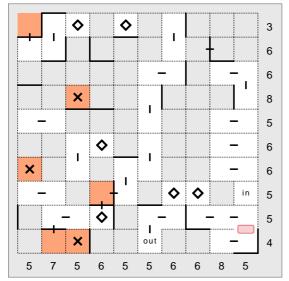
Step 21. One-side only hint available.



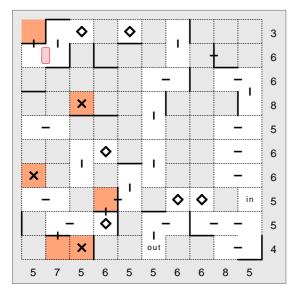
Step 23. If one inner slot of a corner cell contains a wall, the outer slots must be cleared and the cell is excluded.



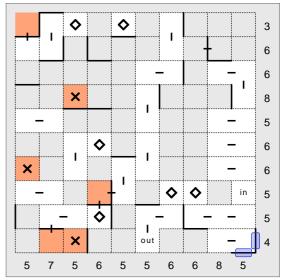
Step 24. One-side only hint available.



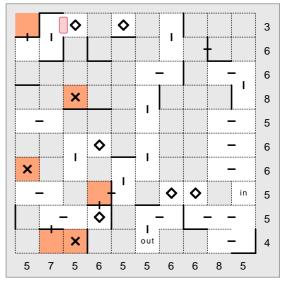
Step 26. If the corner is included, the inner slots must not contain walls.



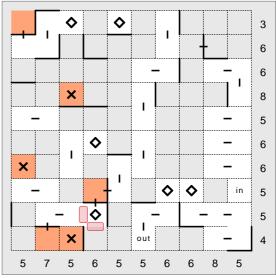
Step 28. All included cells have two slots containing walls and two slots clear through which the path travels.



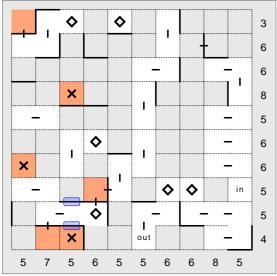
Step 25. If the corner is included, the outer slots must contain walls.



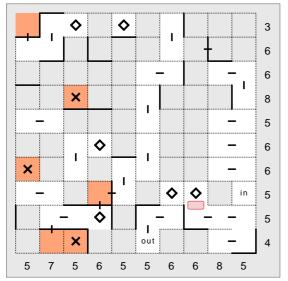
Step 27. All included cells have two slots containing walls and two slots clear through which the path travels.



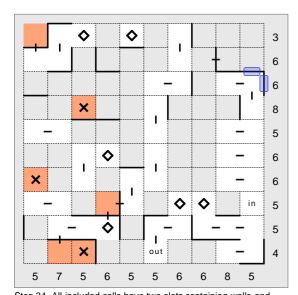
Step 29. All included cells have two slots containing walls and two slots clear through which the path travels.



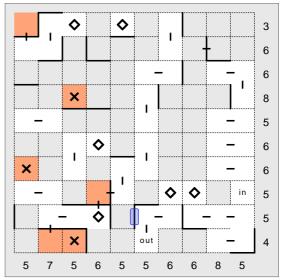
Step 30. All included cells have two slots containing walls and two slots clear through which the path travels.



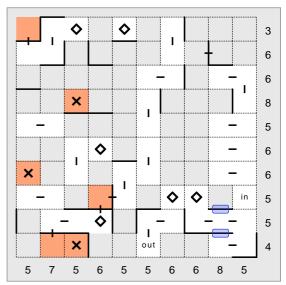
Step 32. All included cells have two slots containing walls and two slots clear through which the path travels.



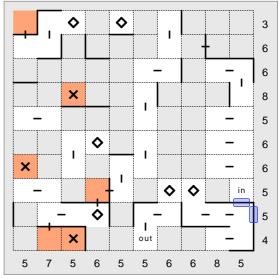
Step 34. All included cells have two slots containing walls and two slots clear through which the path travels.



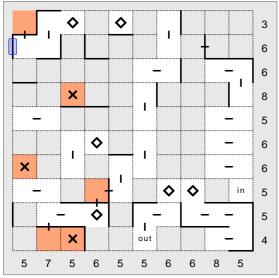
Step 31. All included cells have two slots containing walls and two slots clear through which the path travels.



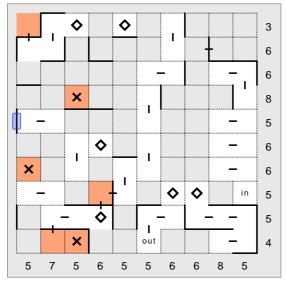
Step 33. All included cells have two slots containing walls and two slots clear through which the path travels.



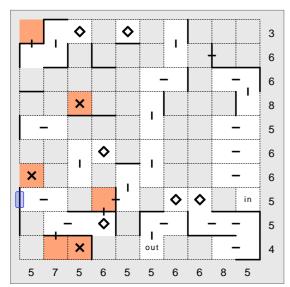
Step 35. All included cells have two slots containing walls and two slots clear through which the path travels.



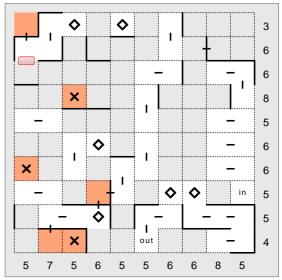
Step 36. If the edge cell is included, the outer slot must contain a wall.



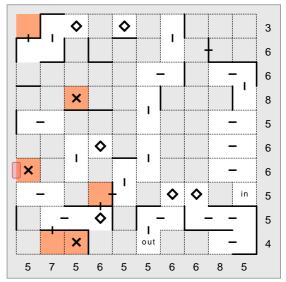
Step 38. If the edge cell is included, the outer slot must contain a wall.



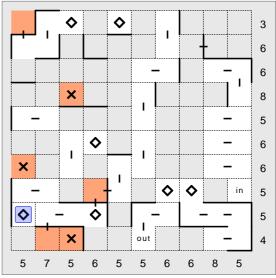
Step 40. If the edge cell is included, the outer slot must contain a wall.



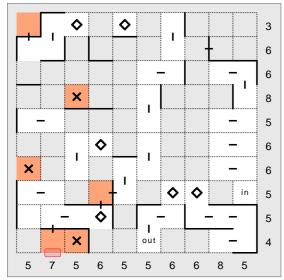
Step 37. All included cells have two slots containing walls and two slots clear through which the path travels.



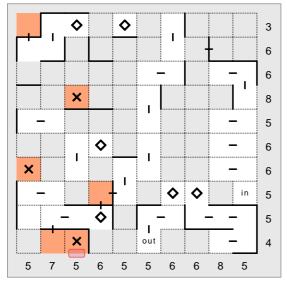
Step 39. If the edge cell is excluded, the outer slot must be cleared.



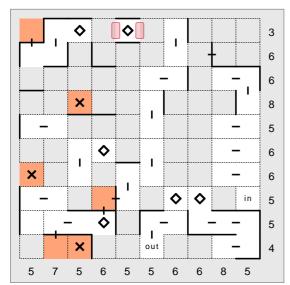
Step 41. If the edge slot contains a wall, the cell is included.



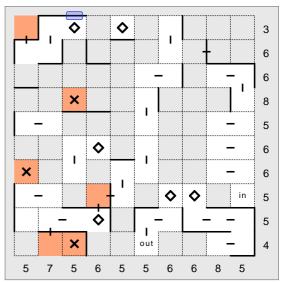
Step 42. If the edge cell is excluded, the outer slot must be cleared.



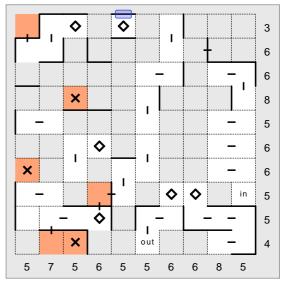
Step 44. If the edge cell is excluded, the outer slot must be cleared.



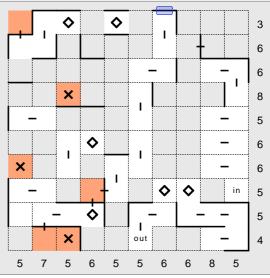
Step 46. All included cells have two slots containing walls and two slots clear through which the path travels.



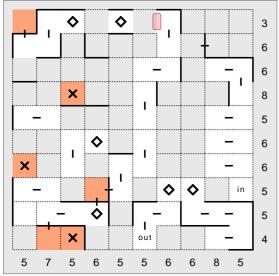
Step 43. If the edge cell is included, the outer slot must contain a



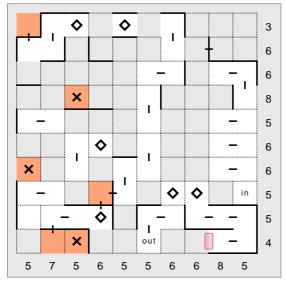
Step 45. If the edge cell is included, the outer slot must contain a wall.



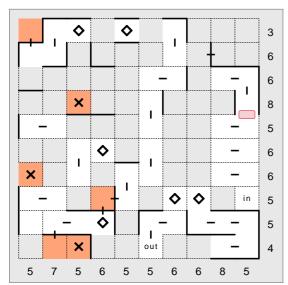
Step 47. If the edge cell is included, the outer slot must contain a wall.



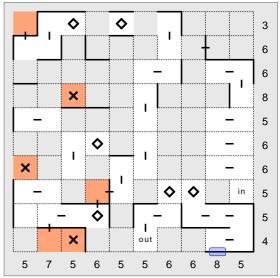
Step 48. All included cells have two slots containing walls and two slots clear through which the path travels.



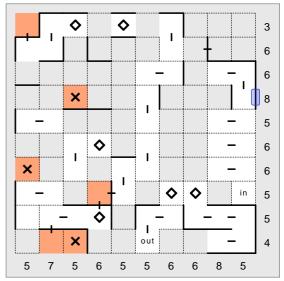
Step 50. All included cells have two slots containing walls and two slots clear through which the path travels.



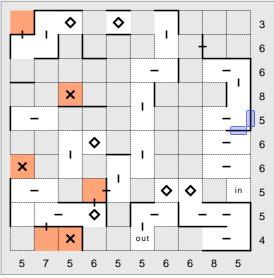
Step 52. All included cells have two slots containing walls and two slots clear through which the path travels.



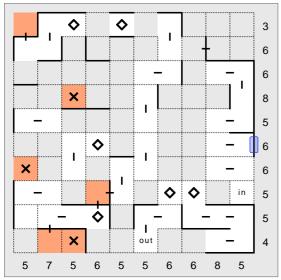
Step 49. If the edge cell is included, the outer slot must contain a



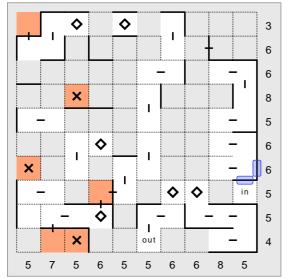
Step 51. If the edge cell is included, the outer slot must contain a wall.



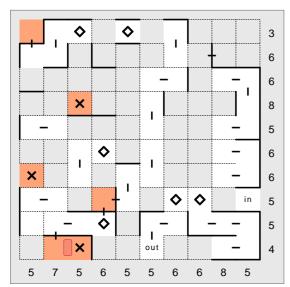
Step 53. All included cells have two slots containing walls and two slots clear through which the path travels.



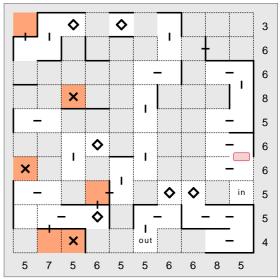
Step 54. If the edge cell is included, the outer slot must contain a wall.



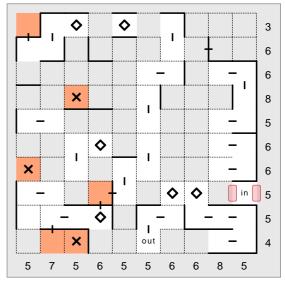
Step 56. All included cells have two slots containing walls and two slots clear through which the path travels.



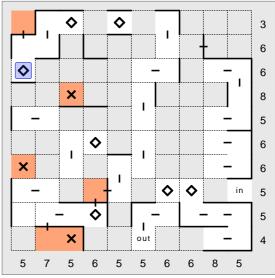
Step 58. The slot between neighbouring excluded cells is always cleared.



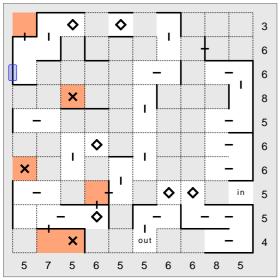
Step 55. All included cells have two slots containing walls and two slots clear through which the path travels.



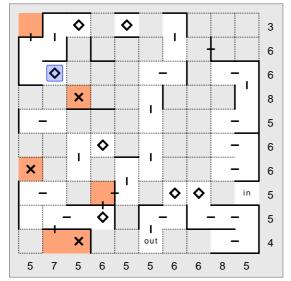
Step 57. All included cells have two slots containing walls and two slots clear through which the path travels.



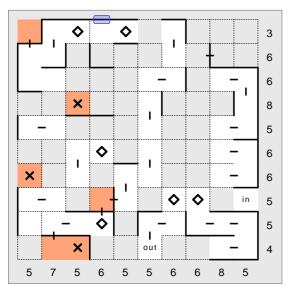
Step 59. If the slot beside an included cell is clear, the neighbouring cell is also included.



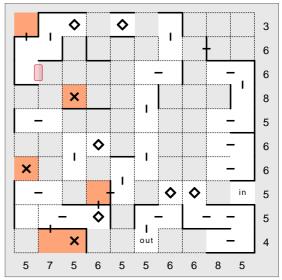
Step 60. If the edge cell is included, the outer slot must contain a wall.



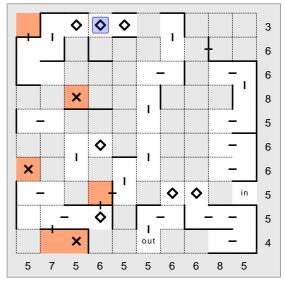
Step 62. If the slot beside an included cell is clear, the neighbouring cell is also included.



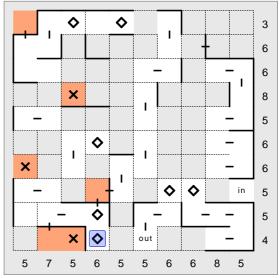
Step 64. If the edge cell is included, the outer slot must contain a wall.



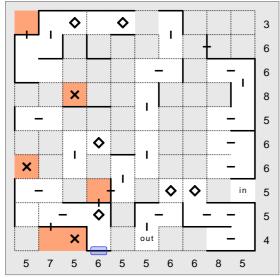
Step 61. All included cells have two slots containing walls and two slots clear through which the path travels.



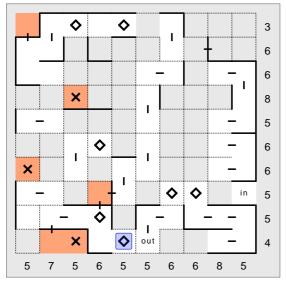
Step 63. If the slot beside an included cell is clear, the neighbouring cell is also included.



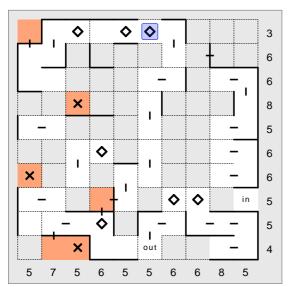
Step 65. If the slot beside an included cell is clear, the neighbouring cell is also included.



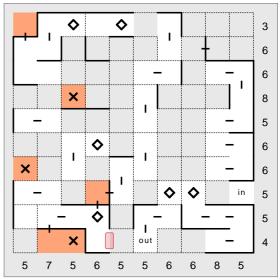
Step 66. If the edge cell is included, the outer slot must contain a wall.



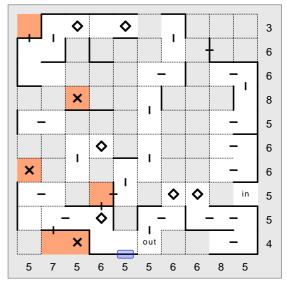
Step 68. If the slot beside an included cell is clear, the neighbouring cell is also included.



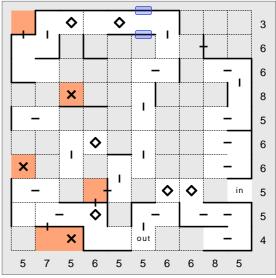
Step 70. If the slot beside an included cell is clear, the neighbouring cell is also included.



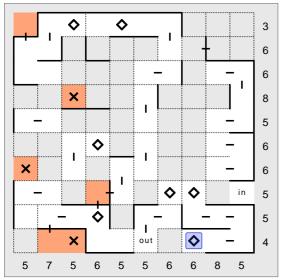
Step 67. All included cells have two slots containing walls and two slots clear through which the path travels.



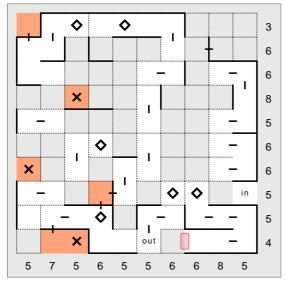
Step 69. If the edge cell is included, the outer slot must contain a wall.



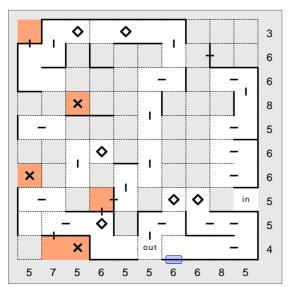
Step 71. All included cells have two slots containing walls and two slots clear through which the path travels.



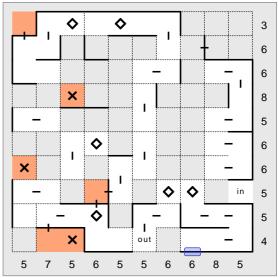
Step 72. If the slot beside an included cell is clear, the neighbouring cell is also included.



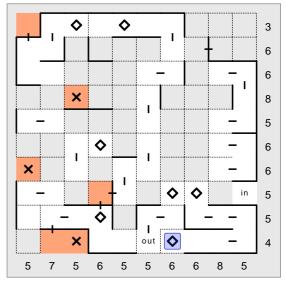
Step 74. All included cells have two slots containing walls and two slots clear through which the path travels.



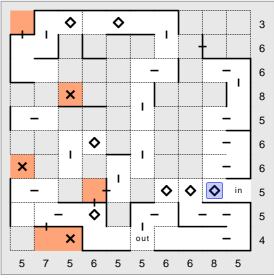
Step 76. If the edge cell is included, the outer slot must contain a wall.



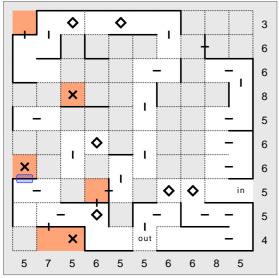
Step 73. If the edge cell is included, the outer slot must contain a



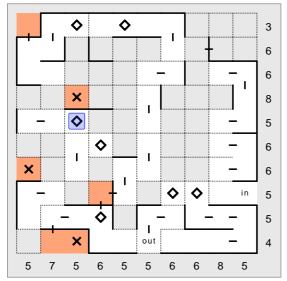
Step 75. If the slot beside an included cell is clear, the neighbouring cell is also included.



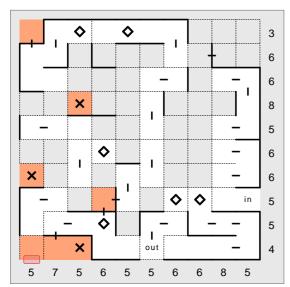
Step 77. If the slot beside an included cell is clear, the neighbouring cell is also included.



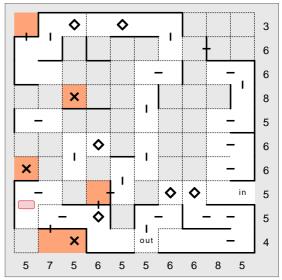
Step 78. If an included cell neighbours an excluded cell, the slot between them must be cleared.



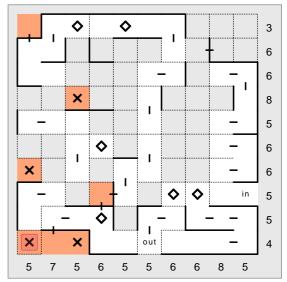
Step 80. If the slot beside an excluded cell contains a wall, the neighbouring cell is included.



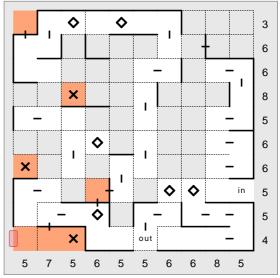
Step 82. If the edge cell is excluded, the outer slot must be cleared.



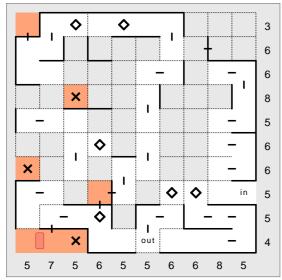
Step 79. All included cells have two slots containing walls and two slots clear through which the path travels.



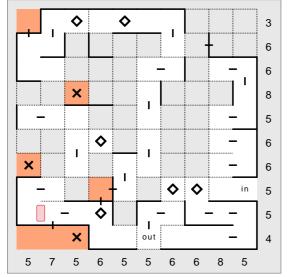
Step 81. If a cell is blocked on three sides, the cell is excluded. $\label{eq:step sides}$



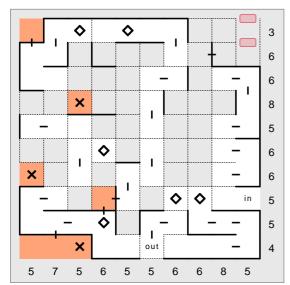
Step 83. If the edge cell is excluded, the outer slot must be cleared.



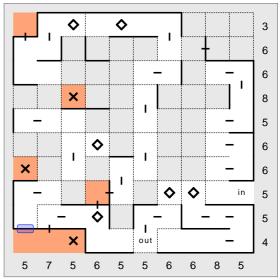
Step 84. The slot between neighbouring excluded cells is always cleared.



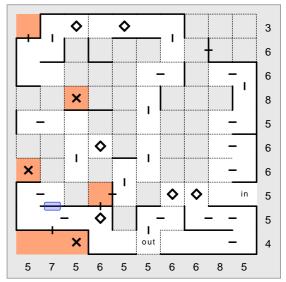
Step 86. All included cells have two slots containing walls and two slots clear through which the path travels.



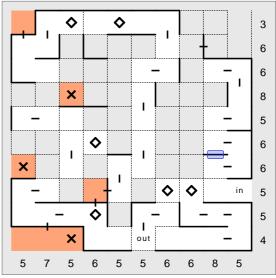
Step 88. With all walls used up on the line, a channel can be made along sections that are included.



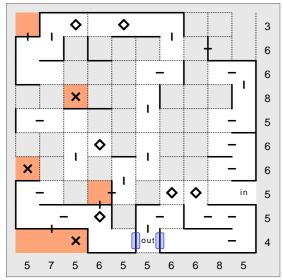
Step 85. If an included cell neighbours an excluded cell, the slot between them must be cleared. $\label{eq:cell_state}$



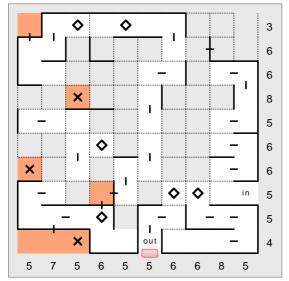
Step 87. All included cells have two slots containing walls and two slots clear through which the path travels.



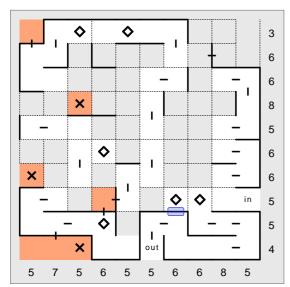
Step 89. If the slot was cleared, an inner loop would be formed, so the slot must contain a wall.



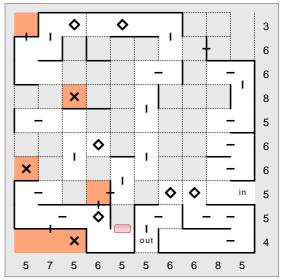
Step 90. If the number of wall slots equal the remaining walls to be placed, the remaining slots must all contain walls.



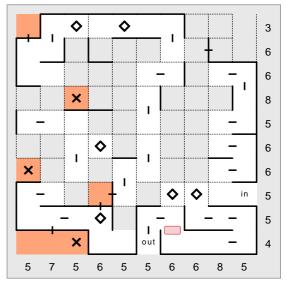
Step 92. All included cells have two slots containing walls and two slots clear through which the path travels.



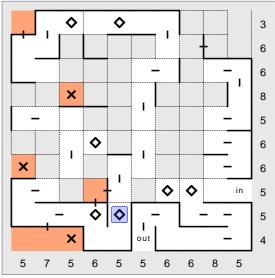
Step 94. All included cells have two slots containing walls and two slots clear through which the path travels.



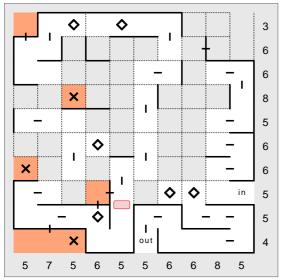
Step 91. All included cells have two slots containing walls and two slots clear through which the path travels.



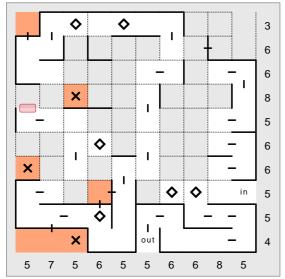
Step 93. All included cells have two slots containing walls and two slots clear through which the path travels.



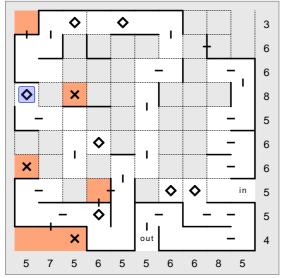
Step 95. If the slot beside an included cell is clear, the neighbouring cell is also included.



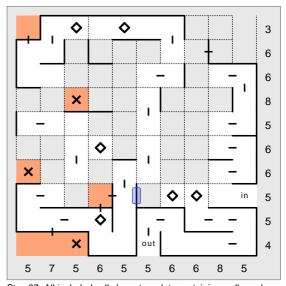
Step 96. All included cells have two slots containing walls and two slots clear through which the path travels.



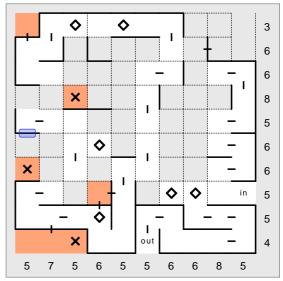
Step 98. If there is one wall remaining and it must sit between included and excluded cells that are not beside one another, any unused slots that are not between the cells must be cleared.



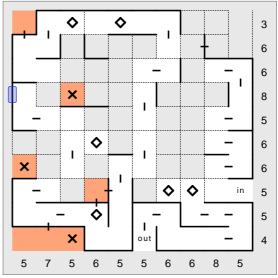
Step 100. If the slot beside an included cell is clear, the neighbouring cell is also included.



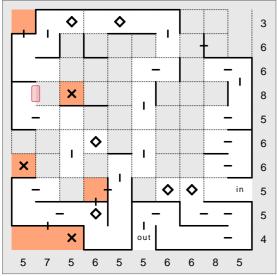
Step 97. All included cells have two slots containing walls and two slots clear through which the path travels.



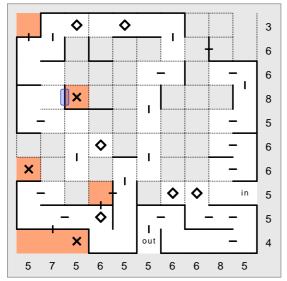
Step 99. All included cells have two slots containing walls and two slots clear through which the path travels.



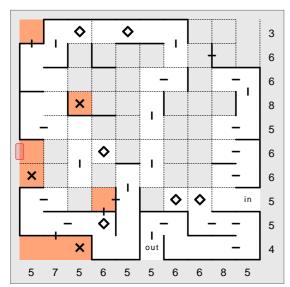
Step 101. If the edge cell is included, the outer slot must contain a wall.



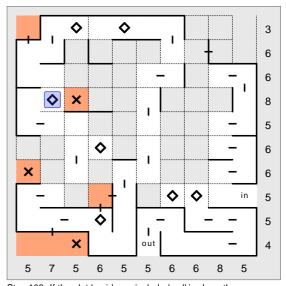
Step 102. All included cells have two slots containing walls and two slots clear through which the path travels.



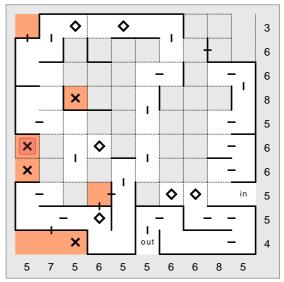
Step 104. If an included cell neighbours an excluded cell, the slot between them must be cleared.



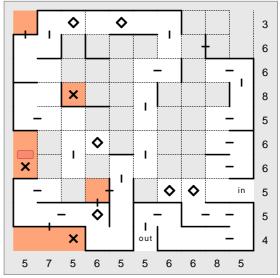
Step 106. If the edge cell is excluded, the outer slot must be cleared.



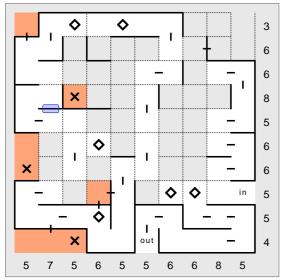
Step 103. If the slot beside an included cell is clear, the neighbouring cell is also included.



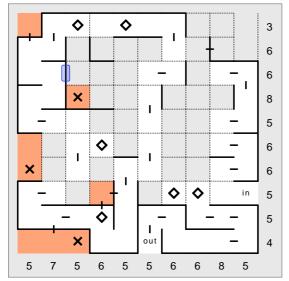
Step 105. If a cell is blocked on three sides, the cell is excluded.



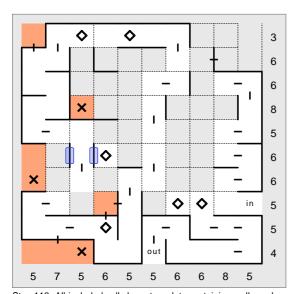
Step 107. The slot between neighbouring excluded cells is always cleared.



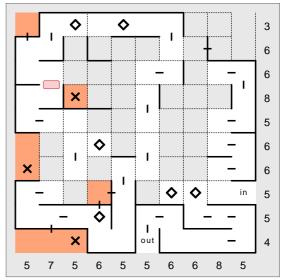
Step 108. If the slot was cleared, an inner loop would be formed, so the slot must contain a wall.



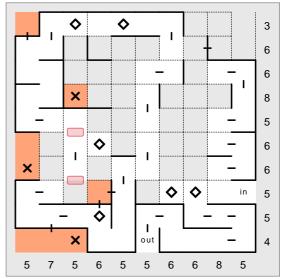
Step 110. All included cells have two slots containing walls and two slots clear through which the path travels.



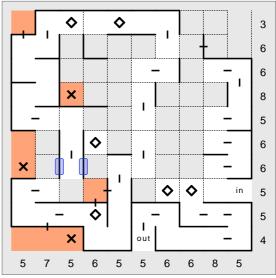
Step 112. All included cells have two slots containing walls and two slots clear through which the path travels.



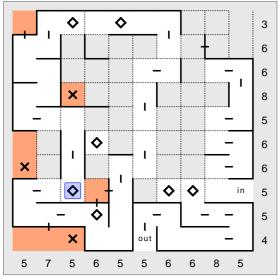
Step 109. All included cells have two slots containing walls and two slots clear through which the path travels.



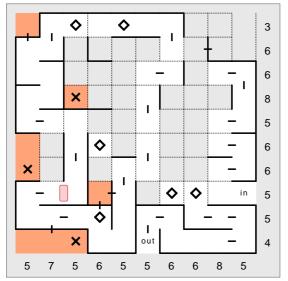
Step 111. If there is one wall remaining and it must sit between included and excluded cells that are not beside one another, any unused slots that are not between the cells must be cleared.



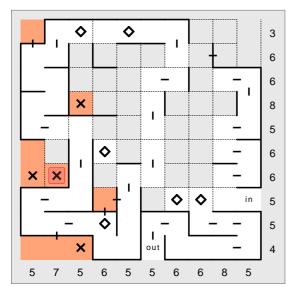
Step 113. All included cells have two slots containing walls and two slots clear through which the path travels.



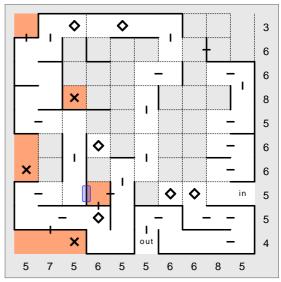
Step 114. If the slot beside an included cell is clear, the neighbouring cell is also included.



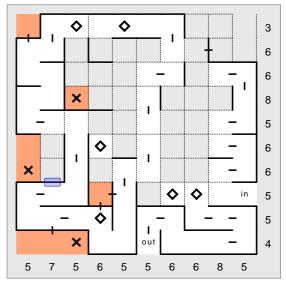
Step 116. All included cells have two slots containing walls and two slots clear through which the path travels.



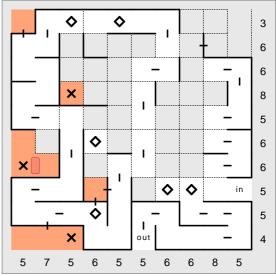
Step 118. If a cell is blocked on three sides, the cell is excluded.



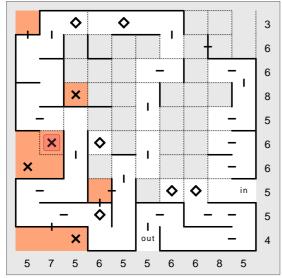
Step 115. If an included cell neighbours an excluded cell, the slot between them must be cleared.



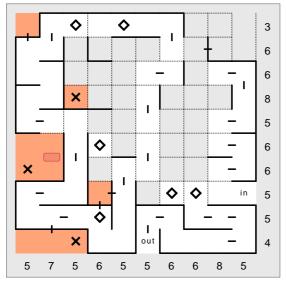
Step 117. All included cells have two slots containing walls and two slots clear through which the path travels.



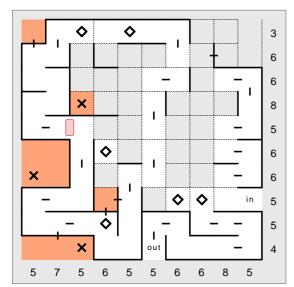
Step 119. The slot between neighbouring excluded cells is always cleared.



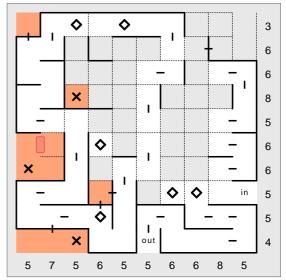
Step 120. If a cell is blocked on three sides, the cell is excluded.



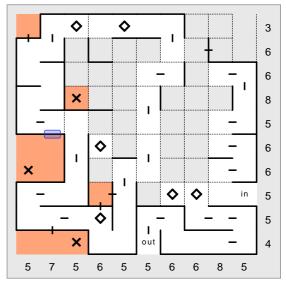
Step 122. The slot between neighbouring excluded cells is always cleared.



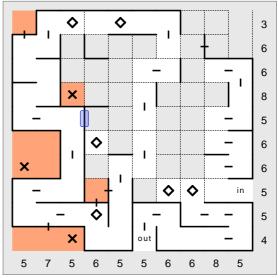
Step 124. All included cells have two slots containing walls and two slots clear through which the path travels.



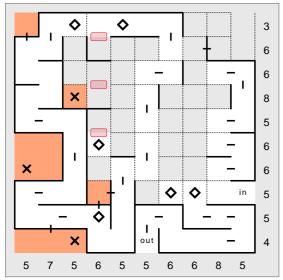
Step 121. The slot between neighbouring excluded cells is always cleared.



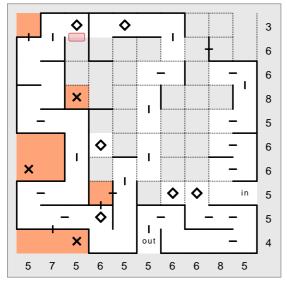
Step 123. If an included cell neighbours an excluded cell, the slot between them must be cleared.



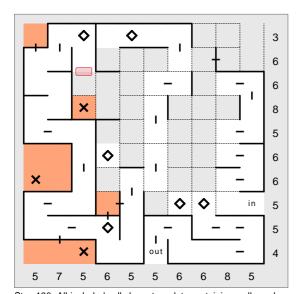
Step 125. All included cells have two slots containing walls and two slots clear through which the path travels.



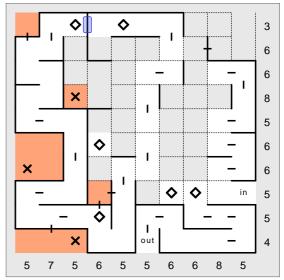
Step 126. If there is one wall remaining and it must sit between included and excluded cells that are not beside one another, any unused slots that are not between the cells must be cleared.



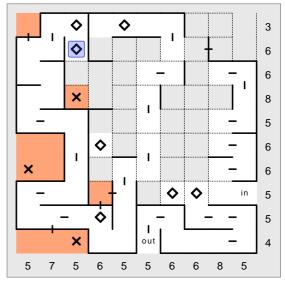
Step 128. All included cells have two slots containing walls and two slots clear through which the path travels.



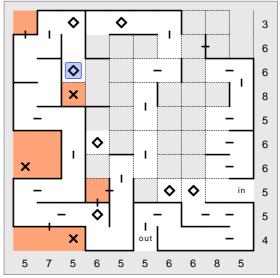
Step 130. All included cells have two slots containing walls and two slots clear through which the path travels.



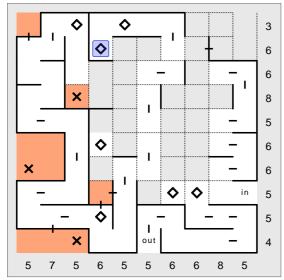
Step 127. All included cells have two slots containing walls and two slots clear through which the path travels.



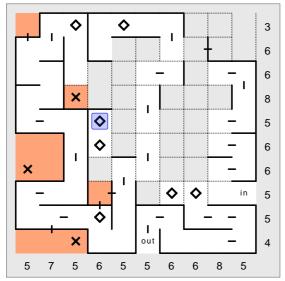
Step 129. If the slot beside an included cell is clear, the neighbouring cell is also included.



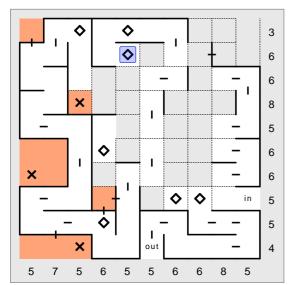
Step 131. If the slot beside an included cell is clear, the neighbouring cell is also included.



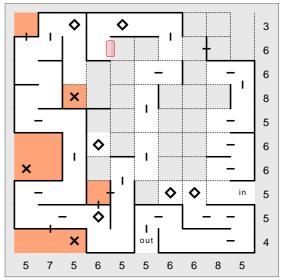
Step 132. If the slot beside an included cell is clear, the neighbouring cell is also included.



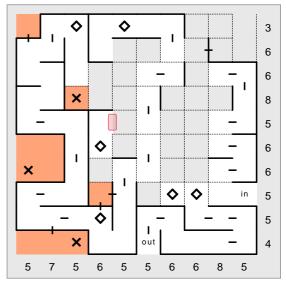
Step 134. If the slot beside an included cell is clear, the neighbouring cell is also included.



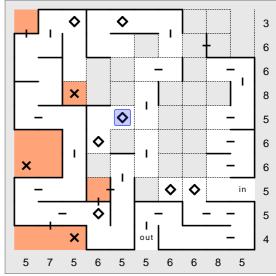
Step 136. If the slot beside an included cell is clear, the neighbouring cell is also included.



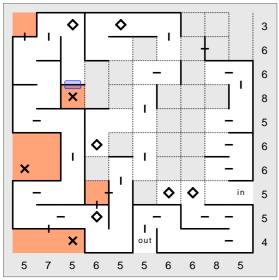
Step 133. All included cells have two slots containing walls and two slots clear through which the path travels.



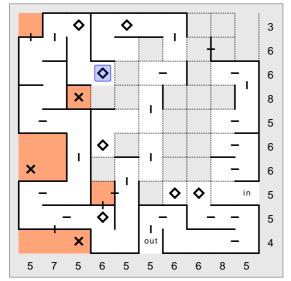
Step 135. All included cells have two slots containing walls and two slots clear through which the path travels.



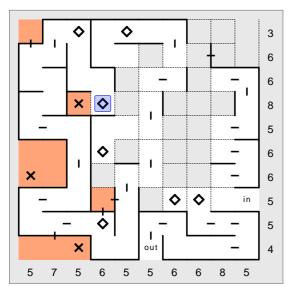
Step 137. If the slot beside an included cell is clear, the neighbouring cell is also included.



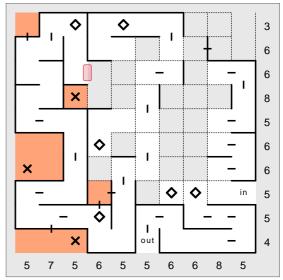
Step 138. If an included cell neighbours an excluded cell, the slot between them must be cleared.



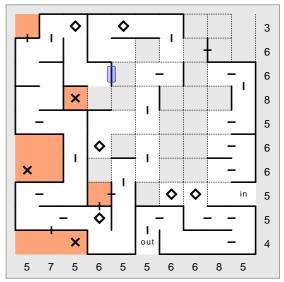
Step 140. If the slot beside an included cell is clear, the neighbouring cell is also included.



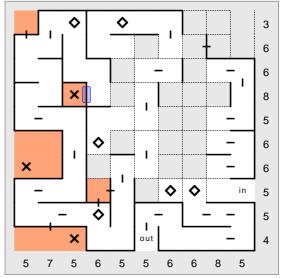
Step 142. If the slot beside an included cell is clear, the neighbouring cell is also included.



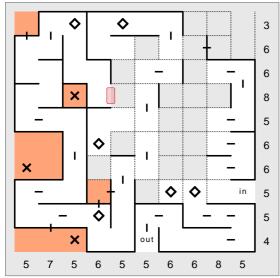
Step 139. All included cells have two slots containing walls and two slots clear through which the path travels.



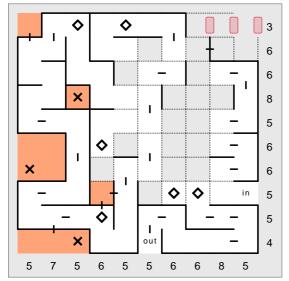
Step 141. All included cells have two slots containing walls and two slots clear through which the path travels.



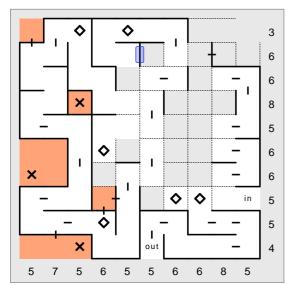
Step 143. If an included cell neighbours an excluded cell, the slot between them must be cleared.



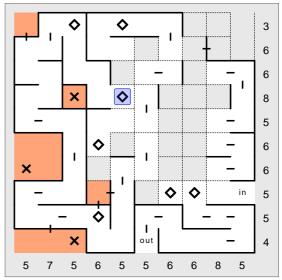
Step 144. All included cells have two slots containing walls and two slots clear through which the path travels.



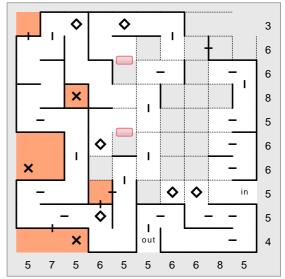
Step 146. With all walls used up on the line, a channel can be made along sections that are included.



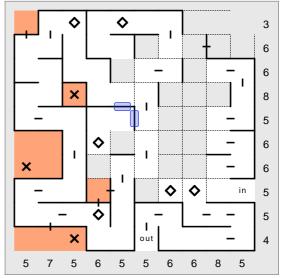
Step 148. All included cells have two slots containing walls and two slots clear through which the path travels.



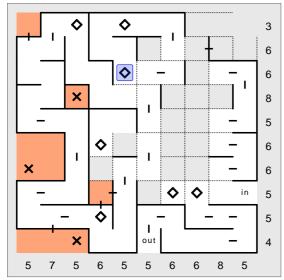
Step 145. If the slot beside an included cell is clear, the neighbouring cell is also included.



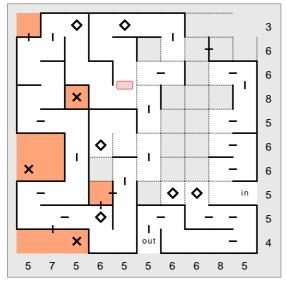
Step 147. Some double or triple neighbouring slots in the row or column must have one slot cleared, the remaining wall count equals the remaining slots and can be filled with walls.



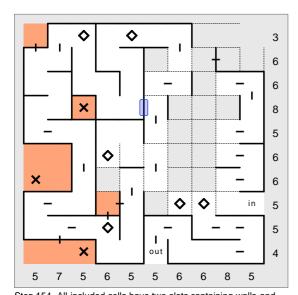
Step 149. All included cells have two slots containing walls and two slots clear through which the path travels.



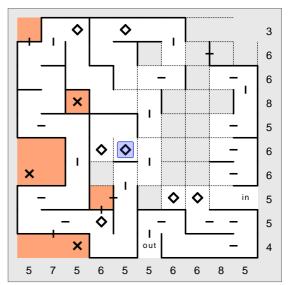
Step 150. If the slot beside an included cell is clear, the neighbouring cell is also included.



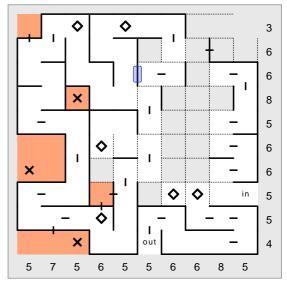
Step 152. With all walls used up on the line, a channel can be made along sections that are included.



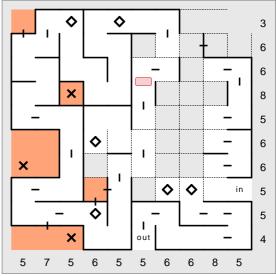
Step 154. All included cells have two slots containing walls and two slots clear through which the path travels.



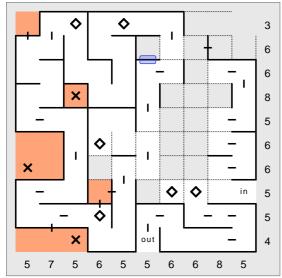
Step 151. If the slot beside an included cell is clear, the neighbouring cell is also included.



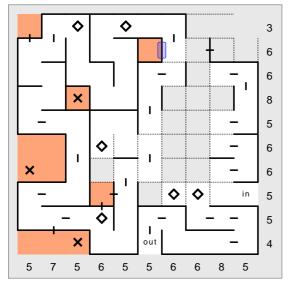
Step 153. With all walls used up on the line, a channel can be made along sections that are included.



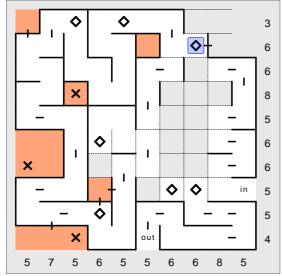
Step 155. All included cells have two slots containing walls and two slots clear through which the path travels.



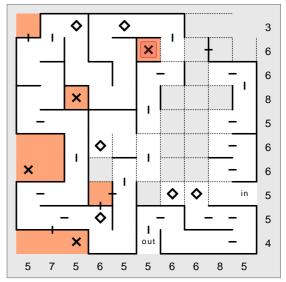
Step 156. All included cells have two slots containing walls and two slots clear through which the path travels.



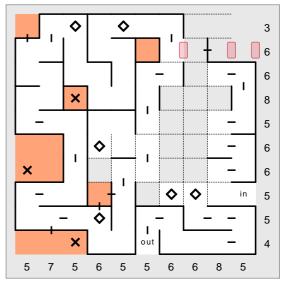
Step 158. If an included cell neighbours an excluded cell, the slot between them must be cleared.



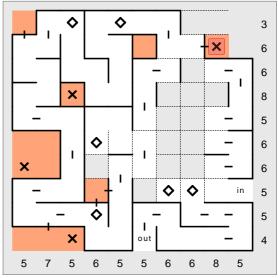
Step 160. With all walls used up on the line, a channel can be made along sections that are included.



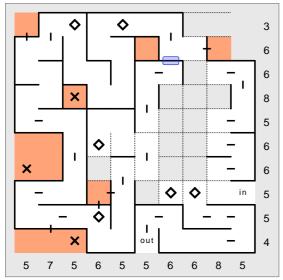
Step 157. If a cell is blocked on three sides, the cell is excluded.



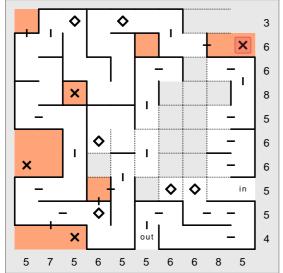
Step 159. With all walls used up on the line, a channel can be made along sections that are included.



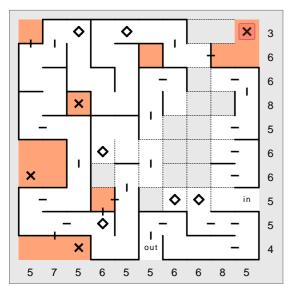
Step 161. One-side only hint available.



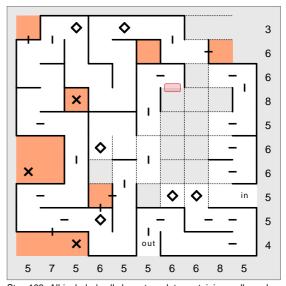
Step 162. All included cells have two slots containing walls and two slots clear through which the path travels.



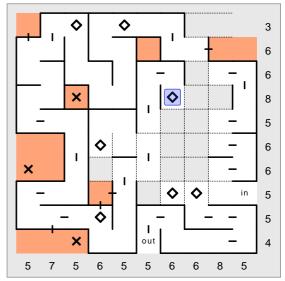
Step 164. If the edge slot is clear, the cell is excluded.



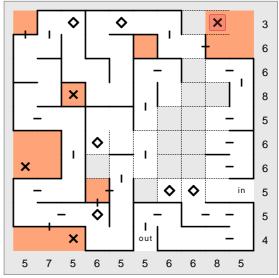
Step 166. If a cell is blocked on three sides, the cell is excluded.



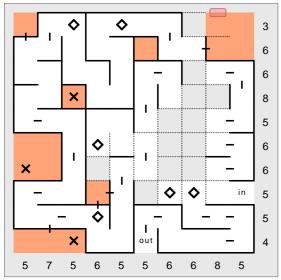
Step 163. All included cells have two slots containing walls and two slots clear through which the path travels.



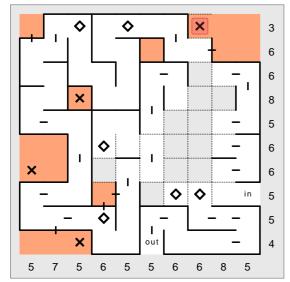
Step 165. If the slot beside an included cell is clear, the neighbouring cell is also included.



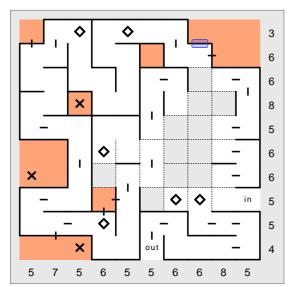
Step 167. If a cell is blocked on three sides, the cell is excluded.



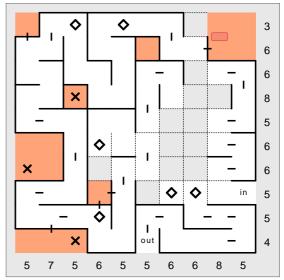
Step 168. If the edge cell is excluded, the outer slot must be cleared.



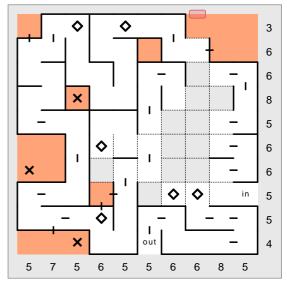
Step 170. If a cell is blocked on three sides, the cell is excluded.



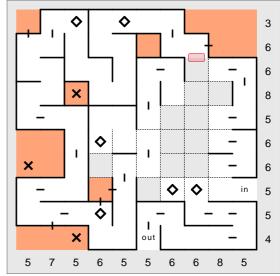
Step 172. If an included cell neighbours an excluded cell, the slot between them must be cleared.



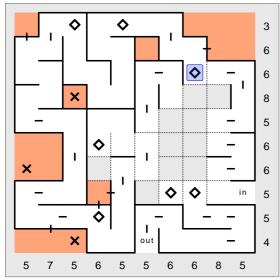
Step 169. The slot between neighbouring excluded cells is always cleared.



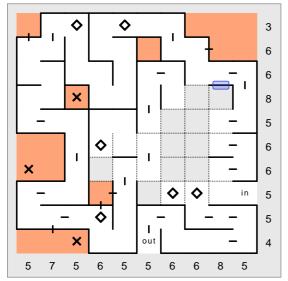
Step 171. If the edge cell is excluded, the outer slot must be cleared.



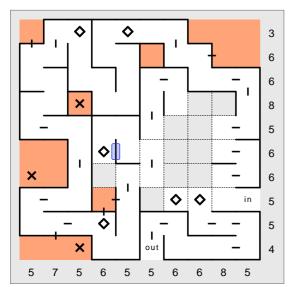
Step 173. All included cells have two slots containing walls and two slots clear through which the path travels.



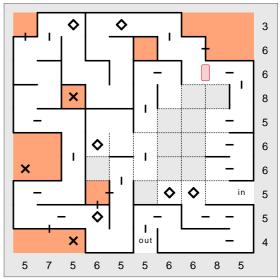
Step 174. If the slot beside an included cell is clear, the neighbouring cell is also included.



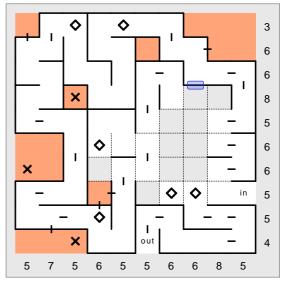
Step 176. With all walls used up on the line, a channel can be made along sections that are included.



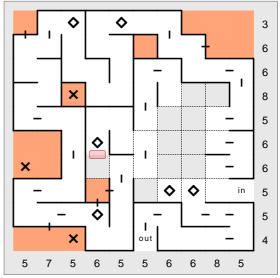
Step 178. If the slot was cleared, an inner loop would be formed, so the slot must contain a wall.



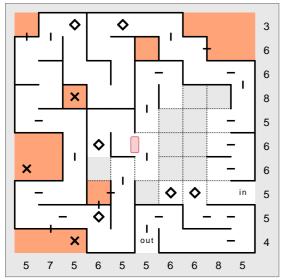
Step 175. With all walls used up on the line, a channel can be made along sections that are included.



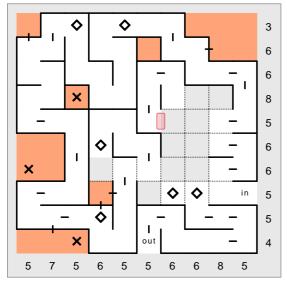
Step 177. All included cells have two slots containing walls and two slots clear through which the path travels.



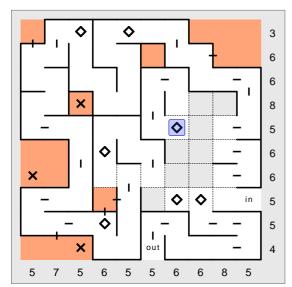
Step 179. All included cells have two slots containing walls and two slots clear through which the path travels.



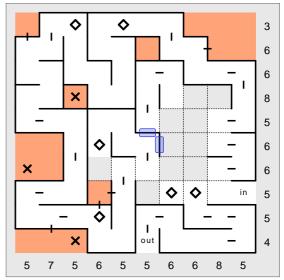
Step 180. All included cells have two slots containing walls and two slots clear through which the path travels.



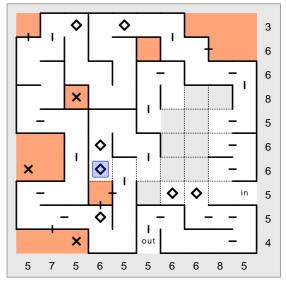
Step 182. All included cells have two slots containing walls and two slots clear through which the path travels.



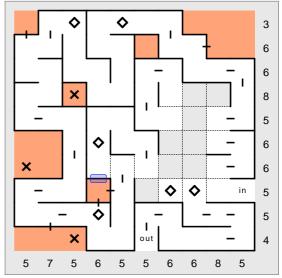
Step 184. If the slot beside an included cell is clear, the neighbouring cell is also included.



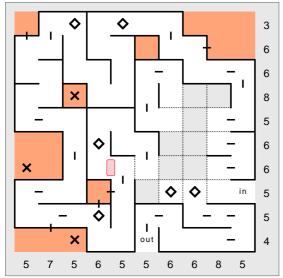
Step 181. All included cells have two slots containing walls and two slots clear through which the path travels.



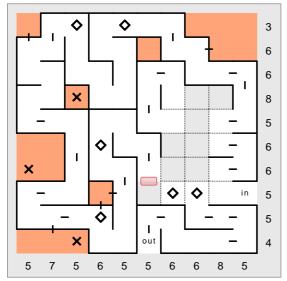
Step 183. If the slot beside an included cell is clear, the neighbouring cell is also included.



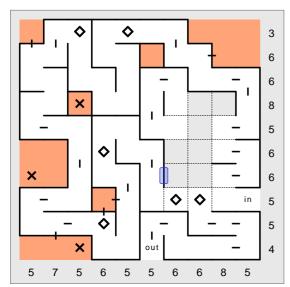
Step 185. If an included cell neighbours an excluded cell, the slot between them must be cleared.



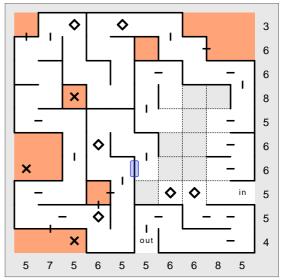
Step 186. All included cells have two slots containing walls and two slots clear through which the path travels.



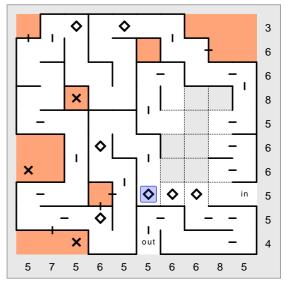
Step 188. With all walls used up on the line, a channel can be made along sections that are included.



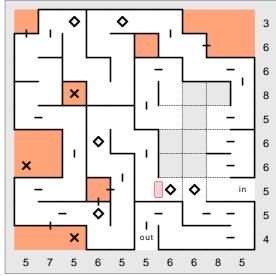
Step 190. With all walls used up on the line, a channel can be made along sections that are included.



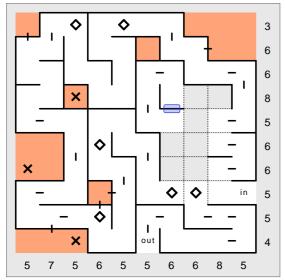
Step 187. All included cells have two slots containing walls and two slots clear through which the path travels.



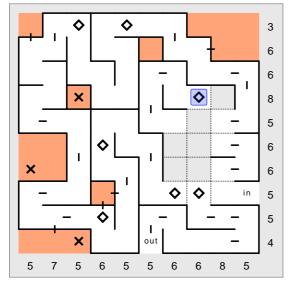
Step 189. With all walls used up on the line, a channel can be made along sections that are included.



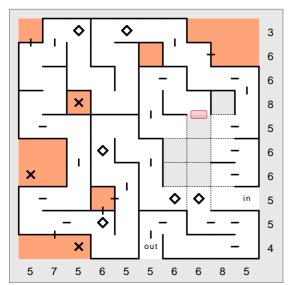
Step 191. All included cells have two slots containing walls and two slots clear through which the path travels.



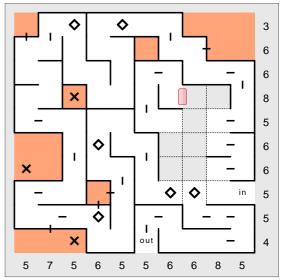
Step 192. If the slot was cleared, an inner loop would be formed, so the slot must contain a wall.



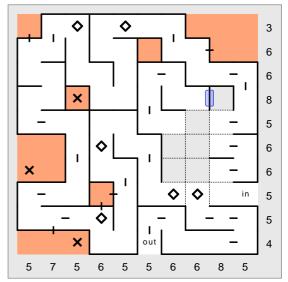
Step 194. If the slot beside an included cell is clear, the neighbouring cell is also included.



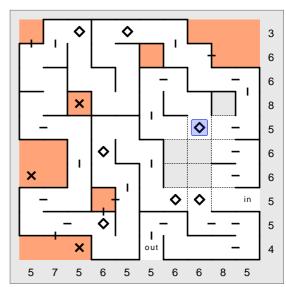
Step 196. All included cells have two slots containing walls and two slots clear through which the path travels.



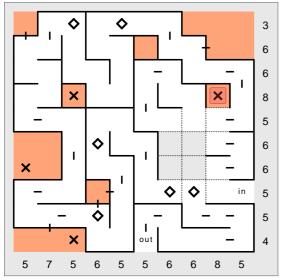
Step 193. All included cells have two slots containing walls and two slots clear through which the path travels.



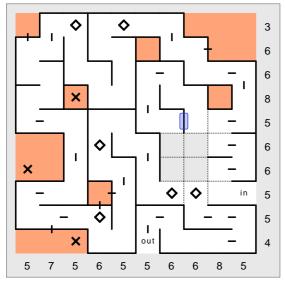
Step 195. If the number of wall slots equal the remaining walls to be placed, the remaining slots must all contain walls.



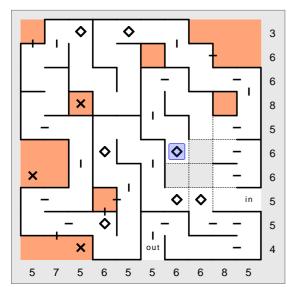
Step 197. If the slot beside an included cell is clear, the neighbouring cell is also included.

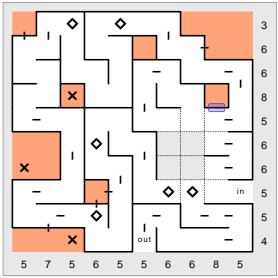


Step 198. If a cell is blocked on three sides, the cell is excluded.

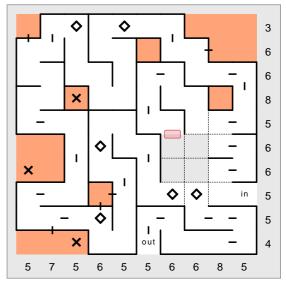


Step 200. If the slot was cleared, an inner loop would be formed, so the slot must contain a wall.

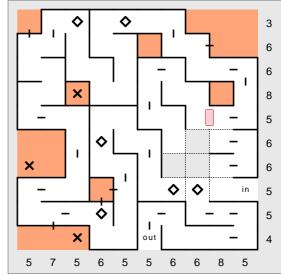




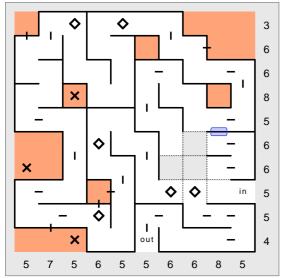
Step 199. If an included cell neighbours an excluded cell, the slot between them must be cleared.



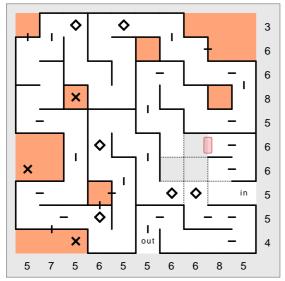
Step 201. All included cells have two slots containing walls and two slots clear through which the path travels.



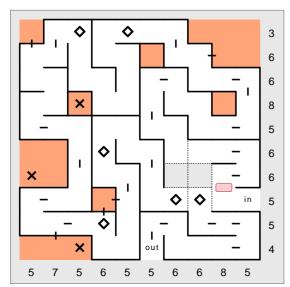
Step 203. With all walls used up on the line, a channel can be made along sections that are included.



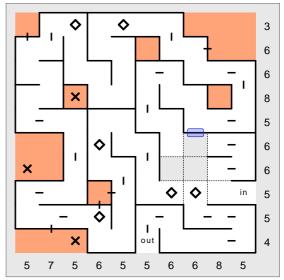
Step 204. With all walls used up on the line, a channel can be made along sections that are included.



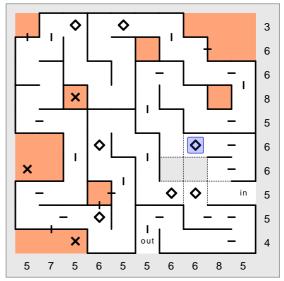
Step 206. All included cells have two slots containing walls and two slots clear through which the path travels.



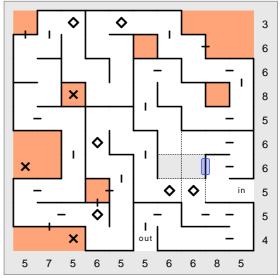
Step 208. With all walls used up on the line, a channel can be made along sections that are included.



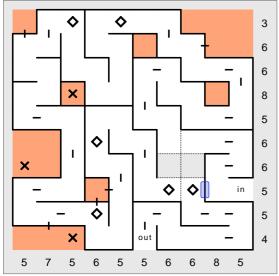
Step 205. All included cells have two slots containing walls and two slots clear through which the path travels.



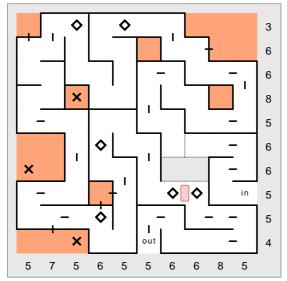
Step 207. If the slot beside an included cell is clear, the neighbouring cell is also included.



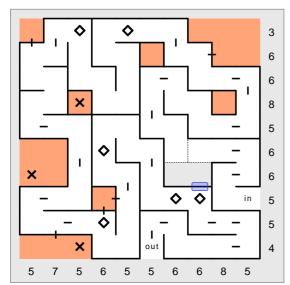
Step 209. All included cells have two slots containing walls and two slots clear through which the path travels.



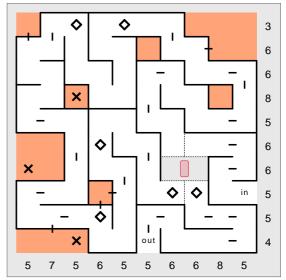
Step 210. All included cells have two slots containing walls and two slots clear through which the path travels.



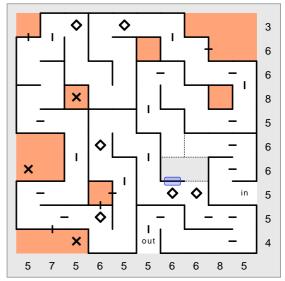
Step 212. With all walls used up on the line, a channel can be made along sections that are included.



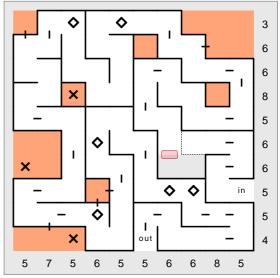
Step 214. All included cells have two slots containing walls and two slots clear through which the path travels.



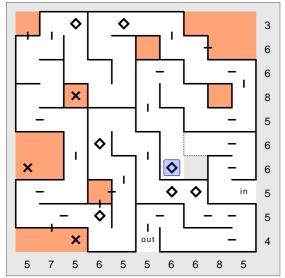
Step 211. With all walls used up on the line, a channel can be made along sections that are included.



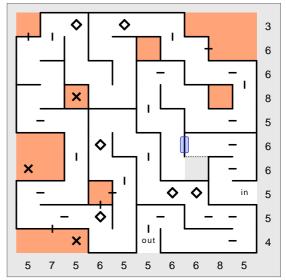
Step 213. With all walls used up on the line, a channel can be made along sections that are included.



Step 215. With all walls used up on the line, a channel can be made along sections that are included.



Step 216. With all walls used up on the line, a channel can be made along sections that are included.



Step 217. With all walls used up on the line, a channel can be made along sections that are included.