

CSE4082 Project I

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A) Breadth-First Search (30 Minutes (out of memory in 60 minutes))

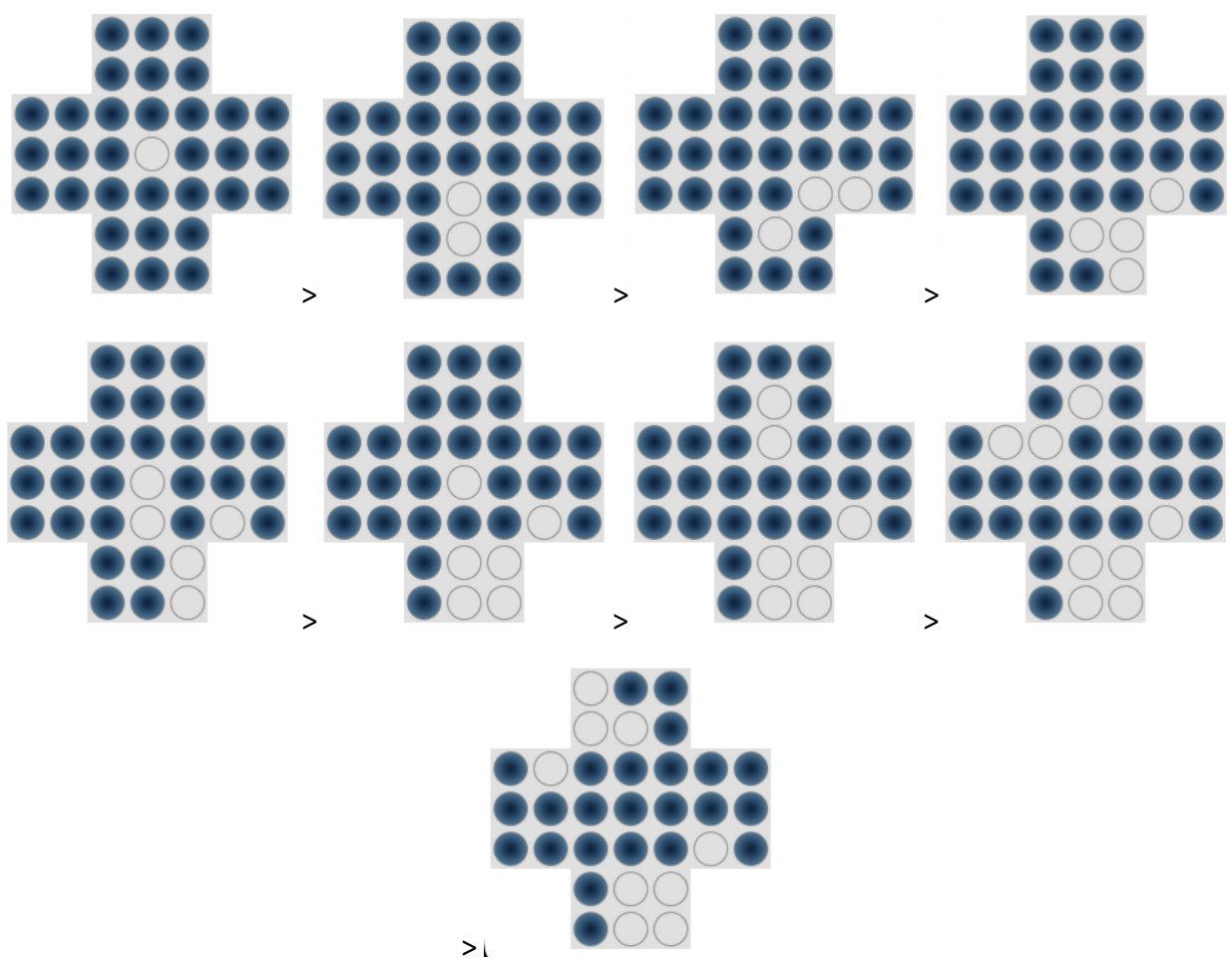
No result is not found within the specified time.

Depth of the deepest expanded node: 8

The number of nodes expanded during the search: 446778

Max number of nodes stored in the memory during the search: 8101926

Steps:



B) Depth-First Search (60 Minutes)

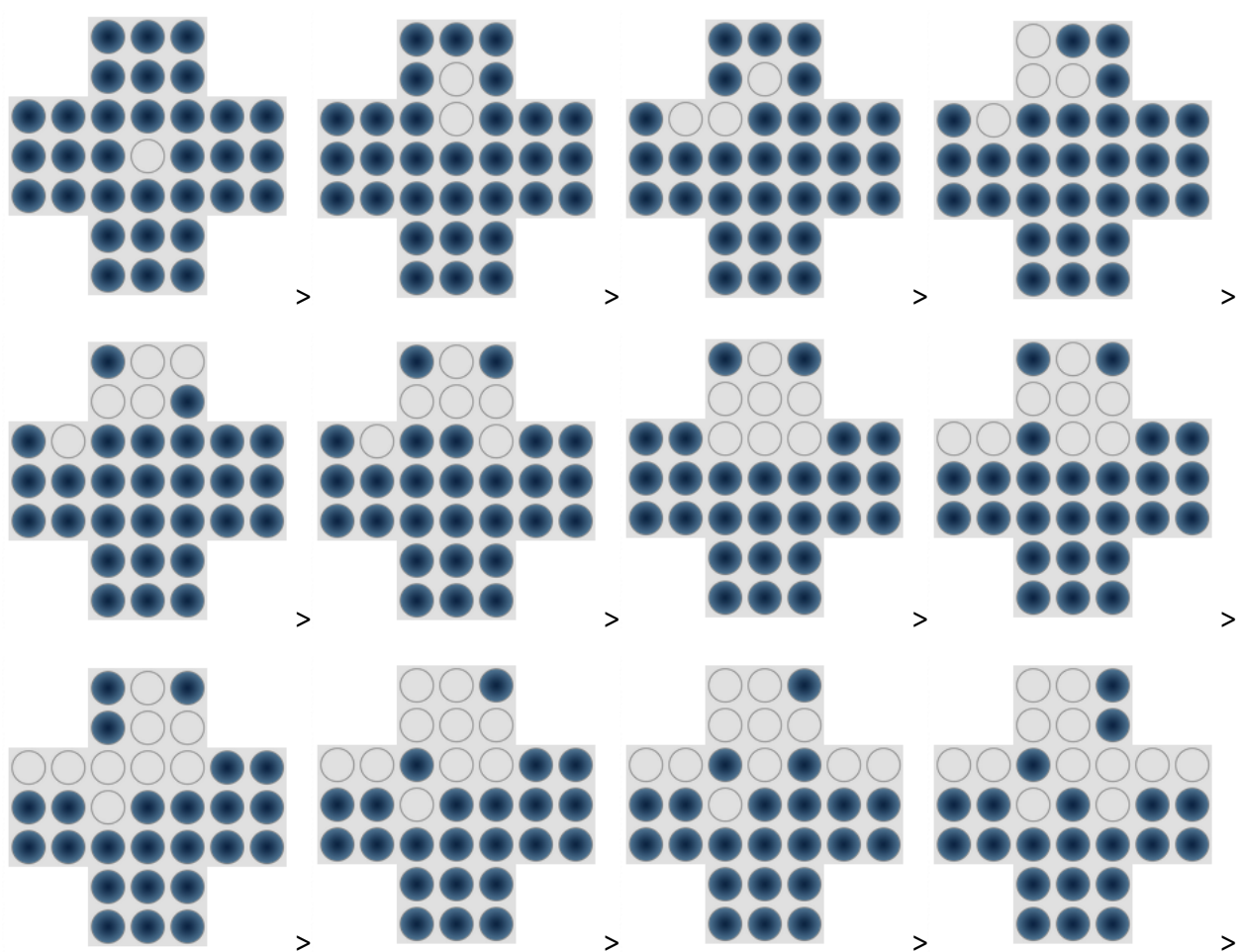
Sub-optimum Solution Found with 2 remaining pegs

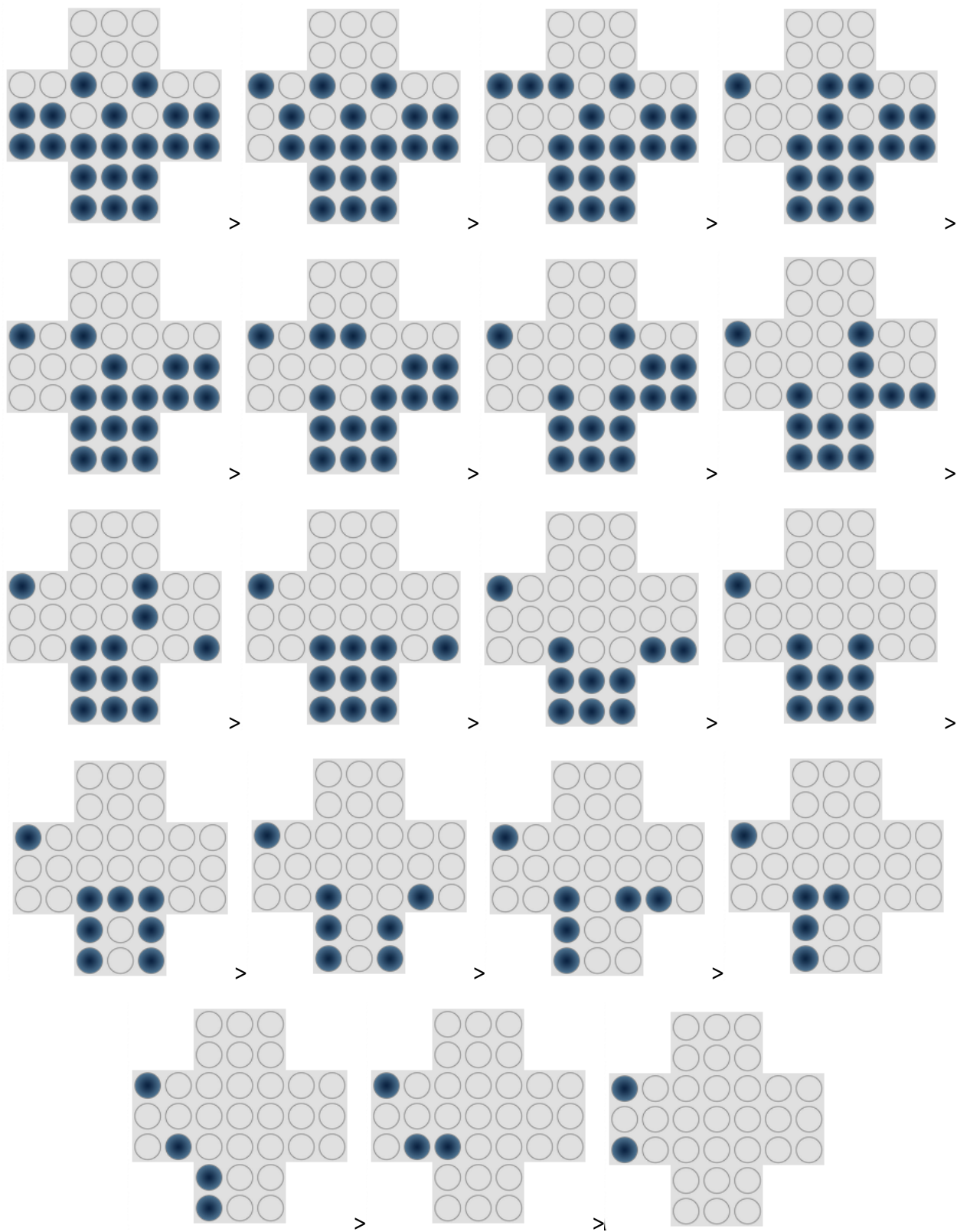
Total time to find the solution: 1379 seconds

The number of nodes expanded during the search: 5792558

Max number of nodes stored in the memory during the search: 5793158

Steps:





C) Iterative Deepening Search (60 Minutes)

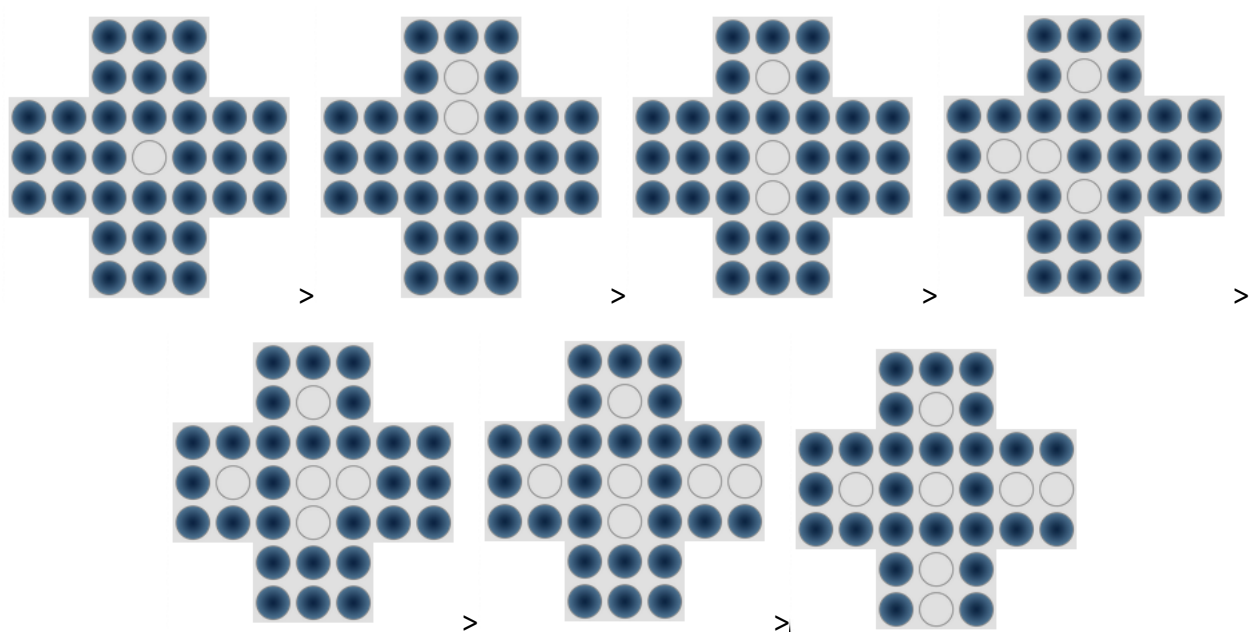
No result is not found within the specified time.

Depth of the deepest expanded node: 6

The number of nodes expanded during the search: 6731806

Max number of nodes stored in the memory during the search: 66168680

Steps:



D) Depth-First Search with Random Selection (60 Minutes)

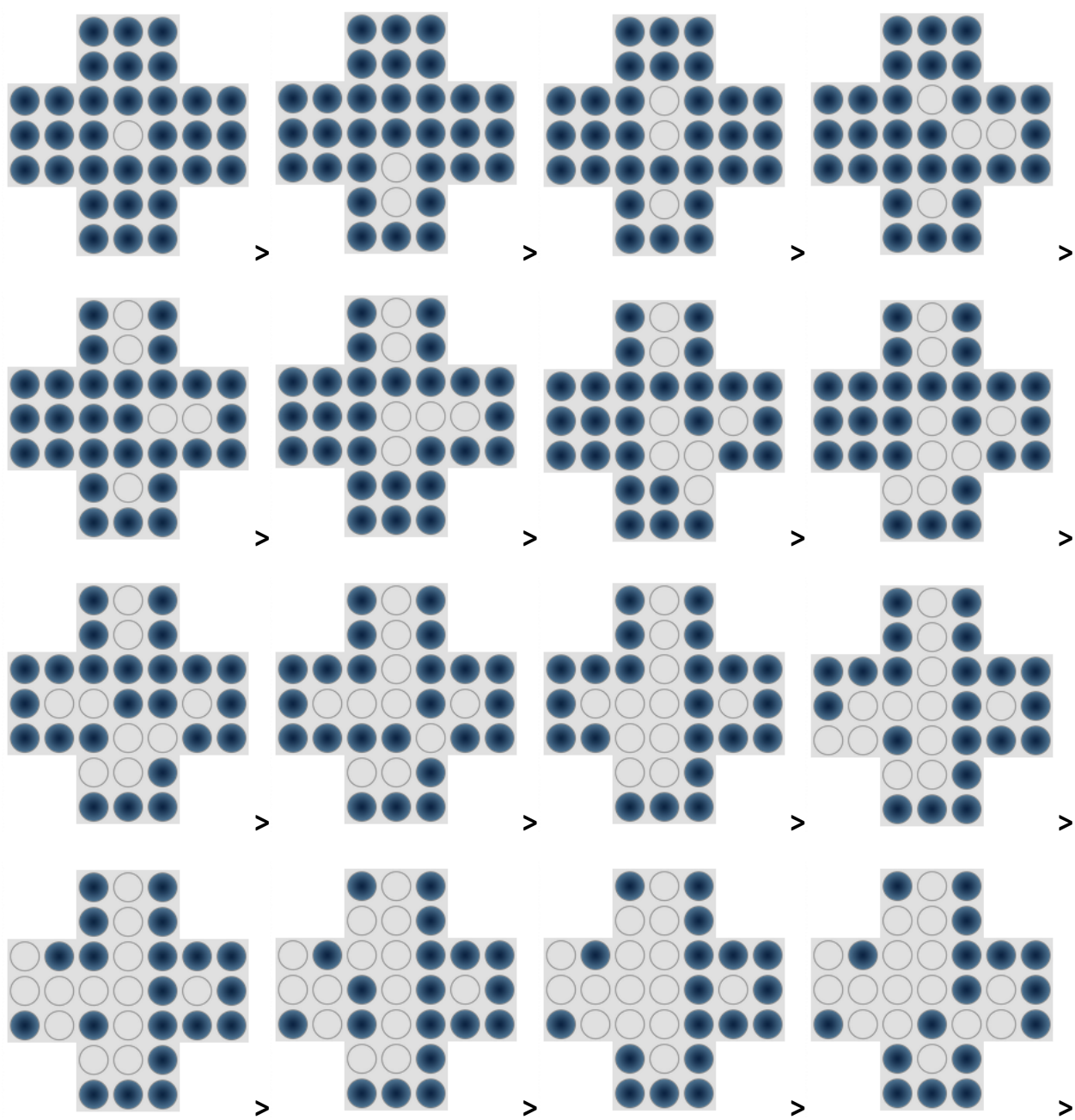
Sub-optimum Solution Found with 5 remaining pegs

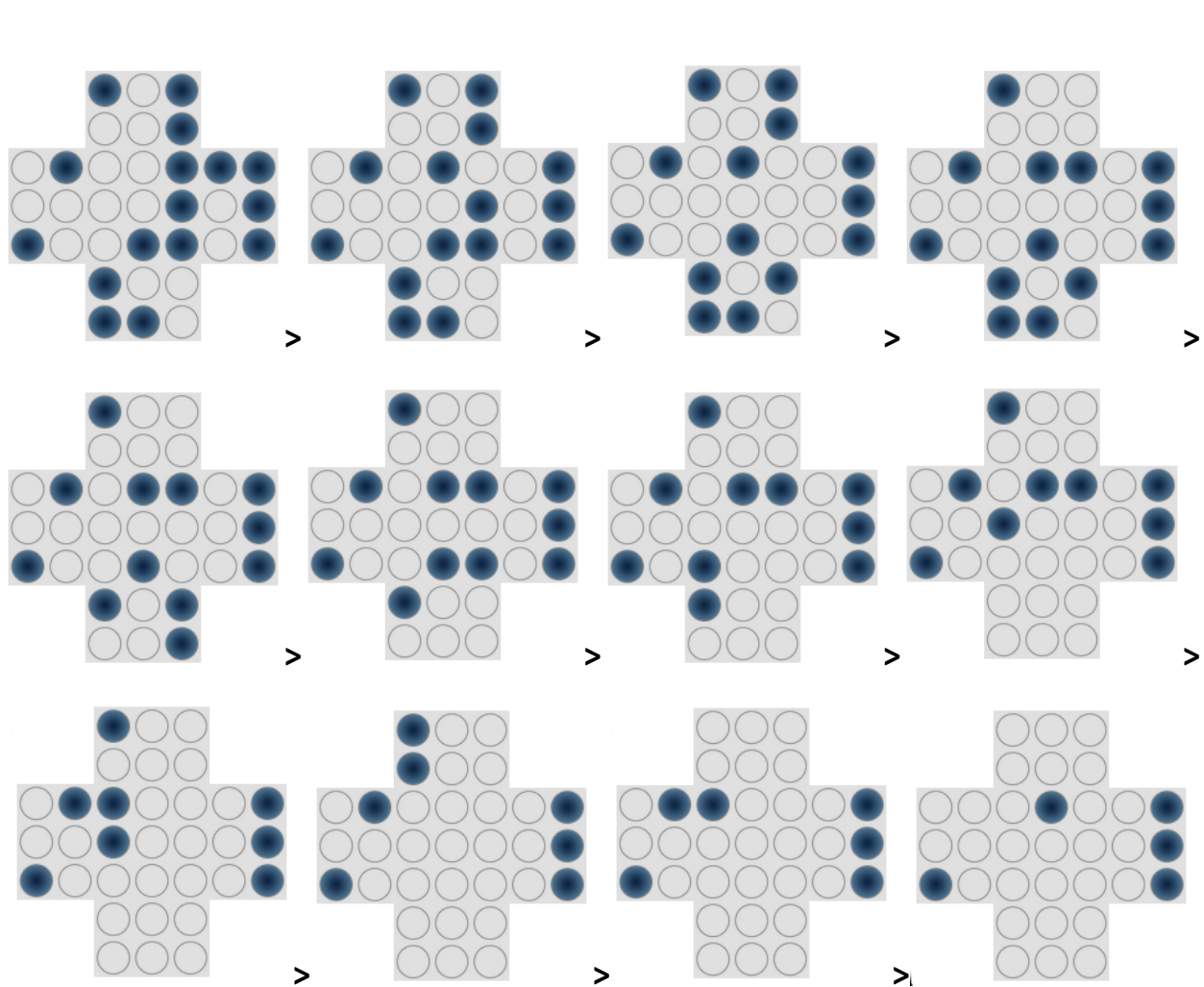
Total time to find the solution: 179 seconds

The number of nodes expanded during the search: 2562345

Max number of nodes stored in the memory during the search: 2562550

Steps:





E) Depth-First Search with a Node Selection Heuristic (60 Minutes)

Sub-optimum Solution Found with 2 remaining pegs

Total time to find the solution: 273 seconds

The number of nodes expanded during the search: 2349576

Max number of nodes stored in the memory during the search: 2349890

Steps:

