Blog Entry © Monday, November 24, 2025, by James Pate Williams, Jr., A\* Informed Search Application to Solve the 15-Tile Puzzle

References: Artificial Intelligence: A Modern Approach First, Second, and Fourth Editions by Stuart Russell and Peter Norvig. The fourth edition is free to be read online or downloaded as a Portable Document File (PDF).

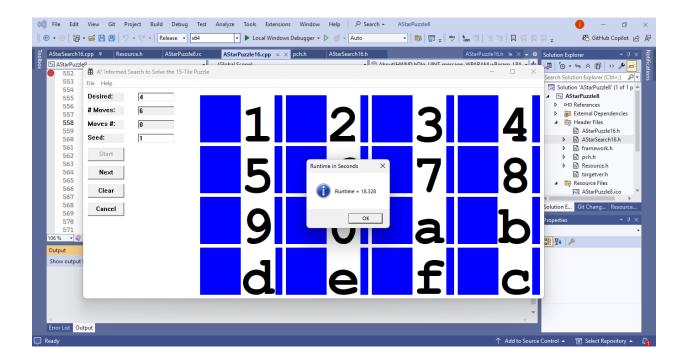
I modified my A\* 8-Tile Puzzle solver to solve the 15-Tile Puzzle.

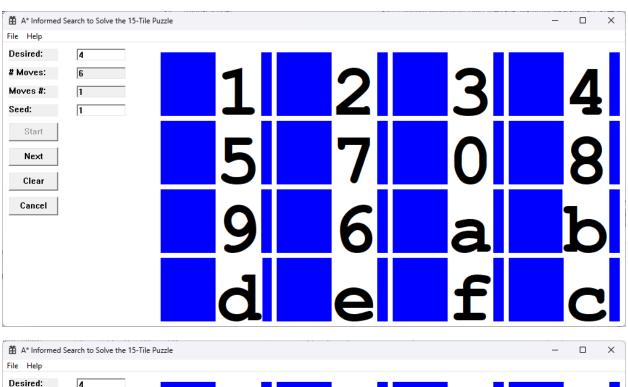
Rebuild started at 3:51 AM...

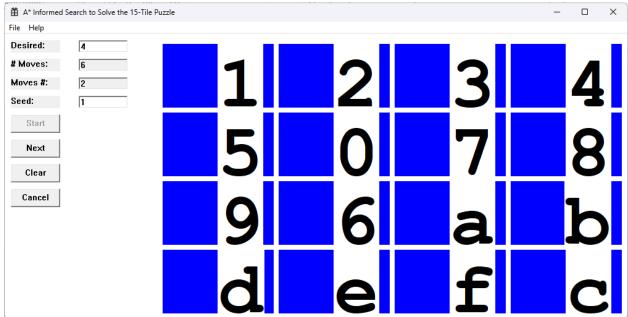
- 1>----- Rebuild All started: Project: AStarPuzzle8, Configuration: Release x64 -----
- 1>pch.cpp
- 1>AStarPuzzle15.cpp
- 1>AStarSearch15.cpp
- 1>Generating code
- 1>Previous IPDB not found, fall back to full compilation.
- 1>All 363 functions were compiled because no usable IPDB/IOBJ from previous compilation was found.
- 1>Finished generating code
- 1>AStarPuzzle8.vcxproj -> D:\AStarPuzzle8 Multithreading -

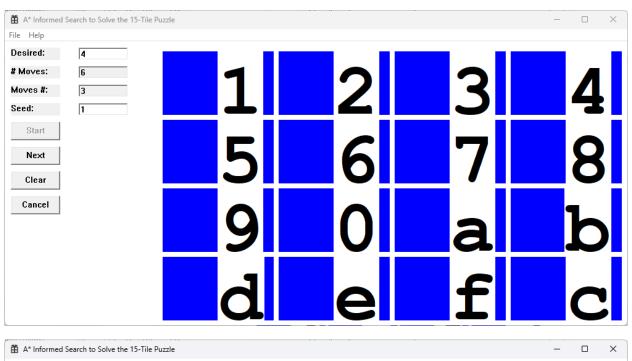
Copy\x64\Release\AStarPuzzle8.exe

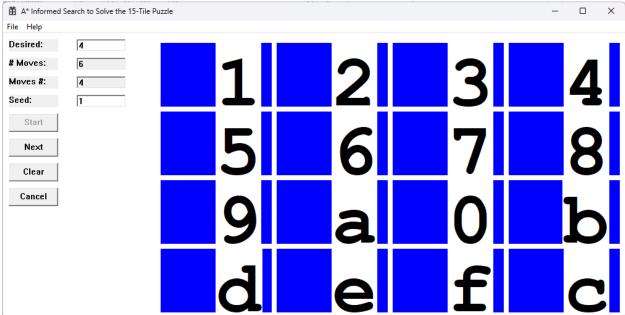
- ====== Rebuild All: 1 succeeded, 0 failed, 0 skipped ========
- ===== Rebuild completed at 3:51 AM and took 06.966 seconds =======

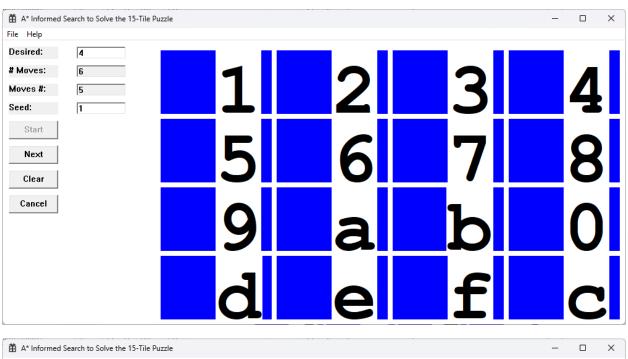


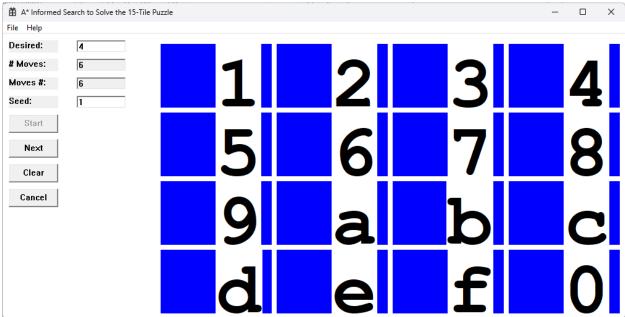












## Page 5 of 5

