How to compile:

- Navigate to folder
- Type `g++ PuzzleState.cpp hw1.cpp`
- Type `./a.out`
- Enter your start state as a list of number separated by spaces (Example: 5 15 7 8 9 11 10 3 12 0 2 13 4 14 1 6 16 17)
- Enter your goal state as a list of number separated by spaces (Example: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 0 17 16)
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