PUZALL15.EXE This is the program file supplied, when run it will creat the following files.

There are several text files that are created by this program.
README.TXT This is this file, the statistics on all the information created by the program.
PUZALL15.TXT This is a sample file with two solutions for each stating peg.
UNIQUE.TXT This is all 199 unique solution.
LOG.TXT This is a log of time to do each part of the puzzle, the same infromation while the program is running.

In the following file names the ## is the number 1 through 15, starting peg number.
PUZ##.TXT These 15 files list all the solutions for each starting peg with one peg left.
PUX##U.TXT These 15 files list all the solutions for each starting peg which returns last peg back to starting peg.
PUZ##USS.TXT These 15 files list all the unique solutions that have some different move that the rest.

This is the numbering system used in the solutions for this puzzle.

```
        1
      2   3
    4   5   6
  7   8   9   10
11  12  13  14  15
```

For removed peg 1 there are 29760 total solutions, of which 6816 return to starting peg, of which 8 are unique
For removed peg 2 there are 14880 total solutions, of which 720 return to starting peg, of which 2 are unique
For removed peg 3 there are 14880 total solutions, of which 720 return to starting peg, of which 2 are unique
For removed peg 4 there are 85258 total solutions, of which 51452 return to starting peg, of which 50 are unique
For removed peg 5 there are 1550 total solutions, of which 0 return to starting peg, of which 4 are unique
For removed peg 6 there are 85258 total solutions, of which 51452 return to starting peg, of which 51 are unique
For removed peg 7 there are 14880 total solutions, of which 720 return to starting peg, of which 2 are unique
For removed peg 8 there are 1550 total solutions, of which 0 return to starting peg, of which 4 are unique
For removed peg 9 there are 1550 total solutions, of which 0 return to starting peg, of which 4 are unique
For removed peg 10 there are 14880 total solutions, of which 720 return to starting peg, of which 2 are unique
For removed peg 11 there are 29760 total solutions, of which 6816 return to starting peg, of which 8 are unique
For removed peg 12 there are 14880 total solutions, of which 720 return to starting peg, of which 2 are unique
For removed peg 13 there are 85258 total solutions, of which 51452 return to starting peg, of which 50 are unique
For removed peg 14 there are 14880 total solutions, of which 720 return to starting peg, of which 2 are unique
For removed peg 15 there are 29760 total solutions, of which 6816 return to starting peg, of which 8 are unique

The total for all removed pegs there are 438984 total solutions, of which 179124 return to starting peg, of which 199 are unique

Total time for all 15 starts is 295 seconds on this computer.

Here are the number of ending peg for each starting peg position.

For starting missing peg number 1 .
For ending peg in position 1 there are 6816 solutions, which is 22.90% of the group total.
For ending peg in position 7 there are 3408 solutions, which is 11.45% of the group total.
For ending peg in position 10 there are 3408 solutions, which is 11.45% of the group total.
For ending peg in position 13 there are 16128 solutions, which is 54.19% of the group total.

For starting missing peg number 2 .
For ending peg in position 2 there are 720 solutions, which is 4.84% of the group total.
For ending peg in position 6 there are 8064 solutions, which is 54.19% of the group total.
For ending peg in position 11 there are 3408 solutions, which is 22.90% of the group total.
For ending peg in position 14 there are 2688 solutions, which is 18.06% of the group total.

For starting missing peg number 3 .
For ending peg in position 3 there are 720 solutions, which is 4.84% of the group total.
For ending peg in position 4 there are 8064 solutions, which is 54.19% of the group total.
For ending peg in position 12 there are 2688 solutions, which is 18.06% of the group total.
For ending peg in position 15 there are 3408 solutions, which is 22.90% of the group total.

For starting missing peg number 4 .
For ending peg in position 3 there are 8064 solutions, which is 9.46% of the group total.
For ending peg in position 4 there are 51452 solutions, which is 60.35% of the group total.
For ending peg in position 9 there are 1550 solutions, which is 1.82% of the group total.
For ending peg in position 12 there are 8064 solutions, which is 9.46% of the group total.
For ending peg in position 15 there are 16128 solutions, which is 18.92% of the group total.

For starting missing peg number 5 .

For ending peg in position 13 there are 1550 solutions, which is 100.00% of the group total.

For starting missing peg number 6 .
For ending peg in position 2 there are 8064 solutions, which is 9.46% of the group total.
For ending peg in position 6 there are 51452 solutions, which is 60.35% of the group total.
For ending peg in position 8 there are 1550 solutions, which is 1.82% of the group total.
For ending peg in position 11 there are 16128 solutions, which is 18.92% of the group total.
For ending peg in position 14 there are 8064 solutions, which is 9.46% of the group total.

For starting missing peg number 7 .
For ending peg in position 1 there are 3408 solutions, which is 22.90% of the group total.
For ending peg in position 7 there are 720 solutions, which is 4.84% of the group total.
For ending peg in position 10 there are 2688 solutions, which is 18.06% of the group total.
For ending peg in position 13 there are 8064 solutions, which is 54.19% of the group total.

For starting missing peg number 8 .
For ending peg in position 6 there are 1550 solutions, which is 100.00% of the group total.

For starting missing peg number 9 .
For ending peg in position 4 there are 1550 solutions, which is 100.00% of the group total.

For starting missing peg number 10 .
For ending peg in position 1 there are 3408 solutions, which is 22.90% of the group total.
For ending peg in position 7 there are 2688 solutions, which is 18.06% of the group total.
For ending peg in position 10 there are 720 solutions, which is 4.84% of the group total.
For ending peg in position 13 there are 8064 solutions, which is 54.19% of the group total.

For starting missing peg number 11 .
For ending peg in position 2 there are 3408 solutions, which is 11.45% of the group total.
For ending peg in position 6 there are 16128 solutions, which is 54.19% of the group total.
For ending peg in position 11 there are 6816 solutions, which is 22.90% of the group total.
For ending peg in position 14 there are 3408 solutions, which is 11.45% of the group total.

For starting missing peg number 12 .
For ending peg in position 3 there are 2688 solutions, which is 18.06% of the group total.
For ending peg in position 4 there are 8064 solutions, which is 54.19% of the group total.
For ending peg in position 12 there are 720 solutions, which is 4.84% of the group total.
For ending peg in position 15 there are 3408 solutions, which is 22.90% of the group total.

For starting missing peg number 13 .
For ending peg in position 1 there are 16128 solutions, which is 18.92% of the group total.
For ending peg in position 5 there are 1550 solutions, which is 1.82% of the group total.
For ending peg in position 7 there are 8064 solutions, which is 9.46% of the group total.
For ending peg in position 10 there are 8064 solutions, which is 9.46% of the group total.
For ending peg in position 13 there are 51452 solutions, which is 60.35% of the group total.

For starting missing peg number 14 .
For ending peg in position 2 there are 2688 solutions, which is 18.06% of the group total.
For ending peg in position 6 there are 8064 solutions, which is 54.19% of the group total.
For ending peg in position 11 there are 3408 solutions, which is 22.90% of the group total.
For ending peg in position 14 there are 720 solutions, which is 4.84% of the group total.

For starting missing peg number 15 .
For ending peg in position 3 there are 3408 solutions, which is 11.45% of the group total.
For ending peg in position 4 there are 16128 solutions, which is 54.19% of the group total.
For ending peg in position 12 there are 3408 solutions, which is 11.45% of the group total.
For ending peg in position 15 there are 6816 solutions, which is 22.90% of the group total.