NAME
qqwing - A tool for generating and solving Sudoku puzzles

SYNOPSIS
qqwing --generate [*OPTIONS...*]
qqwing --solve [*OPTIONS...*]

DESCRIPTION
qqwing is a Sudoku puzzle generator and solver. It offers the following features:

⊕ Fast. It can solve 1000 puzzles in 1 second and generate 1000 puzzles in 25 seconds.

⊕ Uses logic. Uses as many solve techniques as possible when solving puzzles rather than guessing.

⊕ Rates puzzles. Most generators don't give an indication of the difficulty of a Sudoku puzzle. QQwing does.

⊕ Can print solve instructions. Tells steps that need to be taken to solve any puzzle.

⊕ Customizable output style, including a CSV style that is easy to import into a database.

OPTIONS
--generate <num>
Generate new puzzles

--solve
Solve all the puzzles from standard input

--difficulty
Generate only simple, easy, intermediate, expert, or any

--symmetry <sym>
Symmetry: none, rotate90, rotate180, mirror, flip, or random

--puzzle
Print the puzzle (default when generating)

--nopuzzle

>   Do not print the puzzle (default when solving)

--solution

>   Print the solution (default when solving)

--nosolution

>   Do not print the solution (default when generating)

--stats

>   Print statistics about moves used to solve the puzzle

--nostats

>   Do not print statistics (default)

--timer

>   Print time to generate or solve each puzzle

--notimer

>   Do not print solve or generation times (default)

--count-solutions

>   Count the number of solutions to puzzles

--nocount-solutions

>   Do not count the number of solutions (default)

--history

>   Print trial and error used when solving

--nohistory

>   Do not print trial and error to solve (default)

--instructions

>   Print the steps (at least 81) needed to solve the puzzle

--noinstructions

>   Do not print steps to solve (default)

--log-history

Print trial and error to solve as it happens

--nolog-history

Do not print trial and error to solve as it happens

--one-line

Print puzzles on one line of 81 characters

--compact

Print puzzles on 9 lines of 9 characters

--readable

Print puzzles in human readable form (default)

--csv

Output CSV format with one line puzzles

-h, **--help**

Display help message

--about

Display author and license information

--version

Display version number

SEE ALSO

http://qqwing.com/