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[Home](#) \* [Engines](#) \* **Gustav**

**Gustav**,

a [program for solving](#) orthodox [chess problems](#) by [Olaf Jenkner](#), written in [Delphi](#) <sup>[1]</sup>, program texts and manual available in German only. Initially developed since 1990 for the [MS-DOS](#) operating system in [Pascal](#), Gustav was later ported and improved to run under [Windows](#). Gustav is able to solve [checkmate](#), [stalemate](#), [helpmate](#), helpstalemate, [selfmate](#) and selfstalemate in N moves. It has a dedicated [GUI](#) with various dialogs to edit positions, to load and save [FEN](#) or proprietary GST-files of problem collections, and to control the search. Beside [brute-force search](#) accelerated by a [transposition table](#), several automatic or user defined constraints such as number of escape squares for the checked king, allow shallow and deep searches of up to 170 moves (339 plies). The longest for Gustav solvable problem so far has 163 moves, a composition by [Ottó Titusz Bláthy](#) <sup>[2]</sup>:

K7/p3p1p1/1p2p1p1/rp4B1/brpn4/Rnk5/8/4N1N1 w - -

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## Forum Posts

- [Can Alybadix or Gustav solve this studies](#) by [Uri Blass](#), [CCC](#), December 10, 1998
- [Gustav new version ?](#) by [Michael Diosi](#), [CCC](#), December 11, 1999
- [Delphi/Kylix Compiler](#) by [Olaf Jenkner](#), [CCC](#), March 14, 2001
- [Gustav](#) by [Olaf Jenkner](#), [CCC](#), December 08, 2003
- [Searching for Gustav mate solver](#) by [David Dahlem](#), [CCC](#), August 02, 2011

## External Links

### Chess Program

- [GUSTAV - fastest program for orthodox selfmates and moremovers](#) review by [Václav Kotěšovec](#), October 6, 2009
- [Gustav 3.x](#) from [Schachversand Niggemann](#) (German)

### Misc

- [Gustav \(name\)](#) from Wikipedia

## References

1. [^ Delphi/Kylix Compiler](#) by [Olaf Jenkner](#), [CCC](#), March 14, 2001
2. [^ Gustav 3.2](#) from [Schachversand Niggemann](#) (German)

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