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

**BootChess**,

one of the smallests computer implementations of a none FIDE compliant chess variant written by [Olivier Poudade](#) in [x86 Assembly](#), released in January 2015. Its size of 487 (468) <sup>[1]</sup> bytes fits into a 512 byte [boot sector](#) for [Windows](#), [Linux](#), [OS X](#), [DOS](#) and [BSD](#) <sup>[2]</sup>. [Castling](#), [minor promotions](#) and [en passant](#) are not implemented. BootChess otherwise performs a so called "TaxiMax" heuristic, maximizing [captures](#) and trying to minimize the [Manhattan distance](#) to the opponent's king rank. This kind of half-ply search cannot prevent moving it's own [king](#) in [check](#), opposed to the old [1K ZX Chess](#) by [David Horne](#) and the recent [Toledo Atomchess](#) by [Óscar Toledo Gutiérrez](#), who took the BootChess challenge with 481 bytes and a 3-ply search <sup>[3]</sup>..

## See also

- [1K ZX Chess](#)
- [ChessLin](#)
- [Toledo Atomchess](#)

## Forum Posts

- [BootChess \(minimal chess engine\)](#) by [Fabien Letouzey](#), [CCC](#), January 28, 2015
- [Smallest engine in the world...](#) by [Marco Costalba](#), [CCC](#), January 29, 2015

## External Links

- [BootChess by Red Sector Inc. :: pouët.net](#)
- [BootChess Listing](#)
- [Coder creates smallest chess game for computer](#) by [Leo Kelion](#), [BBC News](#), January 28, 2015

- [Hyper Minimal Graphics Create The Smallest Chess Game In History](#) by [Mark Wilson](#), [Co.Design | business + design](#), January 29, 2015
- [ZX81 BEATEN at last as dev claims smallest Chess code crown](#) by [Simon Sharwood](#), [The Register](#), January 29, 2015
- [Does size matter? It does if you're French, and a chess-loving hacker!](#) by [Paul Ducklin](#), [Naked Security](#), January 30, 2015
- [The world's smallest chess engines](#) by [Albert Silver](#), [ChessBase News](#), September 23, 2015 » [1K ZX Chess](#), [BootChess](#), [Toledo Nanochess](#), [Micro-Max](#)

## References

1. [^](#) 468 bytes without rank/file indicators of the board display
2. [^](#) [BootChess by Red Sector Inc. :: pouët.net](#)
3. [^](#) [Re: BootChess \(minimal chess engine\)](#) by [Óscar Toledo Gutiérrez](#), [CCC](#), January 31, 2015

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