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Green and Red Arrow ^[3]

Freccia,

a chess engine by [Stefano Gemma](#) with a [command line interface](#), a complete rewrite of [Raffaella](#) in [x86 assembly](#) using some 64 bit features ^[1] ([MMX](#)). Its [piece coding](#) allows [move generation](#) with one [x86 test instruction](#) per [target square](#) and [sliding piece direction](#), branching on different [processor flags](#) - either [jump if greater](#) to next direction in case of invalid square outside the board or own piece obstruction, and to [push](#) the [move](#) to a [list](#) otherwise without affecting flags, to post-branch [if positive](#) after a [capture](#) was generated, or to continue with the next square of the same direction after a [quiet move](#) otherwise ^[2]. Freccia played the [CCC 2009](#), the [IOCSC 2010](#), and the [IOCSC 2011](#).

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- [Assembly move generation in Freccia](#) by [Stefano Gemma](#), [CCC](#), July 26, 2011
- [Freccia 0.0.2.5 released](#) by [Stefano Gemma](#), [CCC](#), April 21, 2017
- [Christmas gift](#) by [Stefano Gemma](#), December 25, 2017

External Links

Chess Engine

- [Chess software for free - Original software made in Italy](#) by [Stefano Gemma](#)

Misc

- [Freccia from Wikipedia](#)
- [freccia - Wiktionary](#)
- [Freccia - Wikipedia.it](#) (Italian)
- [Freccia Verde - Wikipedia.it](#) (Italian)
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References

1. [^] [Freccia 0.0.2.5 released](#) by [Stefano Gemma](#), [CCC](#), April 21, 2017
2. [^] [Assembly move generation in Freccia](#) by [Stefano Gemma](#), [CCC](#), July 26, 2011
3. [^] [Green Arrow](#) and [Red Arrow](#), [Comic Con](#) 2008, [Image](#) by [Clarence Risher](#), August 30, 2008, [CC BY-SA 2.0](#), [Wikimedia Commons](#)

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