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[Đông Sơn](#) Axe <sup>[4]</sup>

**Ax**, (AxChess) <sup>[1]</sup>  
a [WinBoard](#) compatible chess engine by [Pham Hong Nguyen](#), written in [C++](#), first released May 24, 2002 <sup>[2]</sup>. The first version **0.1** used to allocate the [transposition table](#) around the half of physical memory size, if that fails one quarter. Subsequent versions feature configurable hash sizes <sup>[3]</sup>.

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## Forum Posts

- [Newbie question: how to display more info when engine is playing](#) by [Pham Hong Nguyen](#), [WinBoard Forum](#), April 22, 2002
- [The first WinBoard Engine from Vietnam is available. ...](#) by [Frank Quisinsky](#), [WinBoard Forum](#), May 24, 2002
- [Ax - a new engine from a newbie](#) by [Pham Hong Nguyen](#), [WinBoard Forum](#), May 24, 2002
- [Ax 0.2](#) by [Pham Hong Nguyen](#), [WinBoard Forum](#), June 01, 2002

- [Ax 0.3](#) by [Pham Hong Nguyen](#), [WinBoard Forum](#), June 09, 2002
- [AxChess by Phan Hong Nguyen is available!](#) by [Frank Quisinsky](#), [WinBoard Forum](#), June 15, 2002
- [Ax 0.5 by Phan Hong Nguyen \(Vietnam\) is available!](#) by [Frank Quisinsky](#), [WinBoard Forum](#), June 21, 2002
- [Ax for PocketPC 2002, testers needed](#) by [Pham Hong Nguyen](#), [WinBoard Forum](#), July 09, 2002
- [AXchess 0.8 and search windows ...](#) by [Brice Boissel](#), [WinBoard Forum](#), July 28, 2002

## External Links

### Chess Engine

- [Ax and Ax v0.8 download](#) from [WBEC Ridderkerk](#)
- [Ax 0.8](#) in [CCRL 40/4](#)
- [Ax 0.8](#) in [KCEC](#)

### Misc

- [ax](#) - Wiktionary
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## References

1. [^](#) [Re: AxChess by Phan Hong Nguyen is available!](#) by [Pham Hong Nguyen](#), [WinBoard Forum](#), June 16, 2002
2. [^](#) [Ax - a new engine from a newbie](#) by [Pham Hong Nguyen](#), [WinBoard Forum](#), May 24, 2002
3. [^](#) [Re: Hash size fixed at 64MB?? \(no text\)](#) by [Pham Hong Nguyen](#), [WinBoard Forum](#), May 25, 2002
4. [^](#) [Photo of a square-edge axe](#) with decoration of dog hunting deer, [Đông Sơn culture](#), 500 BCE - 0, Photo by [Bình Giang](#), April 13, 2009, [Văn hóa Đông Sơn – Wikipedia tiếng Việt](#) (Vietnamese), [Schäftung \(Vor- und Frühgeschichte\) – Wikipedia.de](#) (German), [Category:Dong Son culture - Wikimedia Commons](#)

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