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[Socrates](#) <sup>[4]</sup>

### **Socrates,**

a series of [DOS](#) chess programs by [Don Dailey](#) and [Larry Kaufman](#). Socrates was initially the [8086 assembly](#) port of the [C](#) program [Heuristic Alpha](#), developed for [Julio Kaplan's](#) company [Heuristic Software](#). It had its tournament debut at the [ACM 1991](#). While the C program evolved to [Mini](#) and [Titan](#) aka [Socrates II](#), winner of the [ACM 1993](#) on a 486 [PC](#) ahead of [Cray Blitz](#) and [HiTech](#), later sold to [Electronic Arts](#) as engine of the mass-market entry [Kasparov's Gambit](#), its 32-bit [x86 assembly](#) counterpart Socrates, the best program at [Harvard Cup 1992](#) with 3 out of 5, beating grandmasters [Patrick Wolff](#), [Maxim Dlugy](#) and [John Fedorowicz](#) <sup>[1]</sup>, incorporated knowledge from Titan and evolved to Socrates 3.0, finally released and commercially market in 1993 not by Heuristic Software, but through a company called MDI <sup>[2]</sup>. Since Larry Kaufman mentioned in 1992 that [Null Move Pruning](#) doubles the speed of the search <sup>[3]</sup>, NMP was likely also implemented in Socrates.

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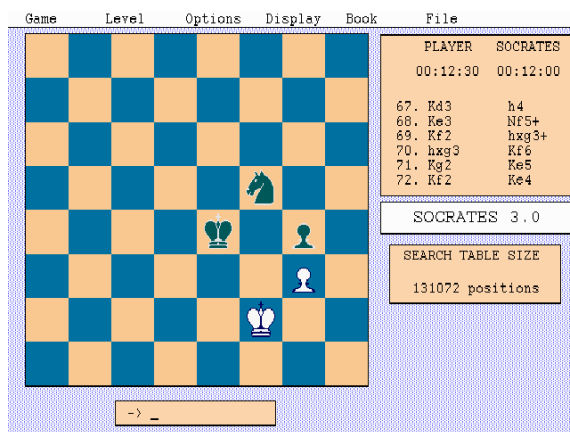
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## Screenshot



Socrates 3.0 Screen <sup>[5]</sup>

## Photos & Games



[Harvard Cup 1992](#), [Patrick Wolff](#) and [Don Dailey](#) <sup>[6]</sup> <sup>[7]</sup>

```
[Event "3rd Harvard Cup 1992 G/25"]  
[Site "New York, NY USA"]  
[Date "1992.07.11"]
```

[Round "02"]  
[White "Socrates"]  
[Black "Patrick Wolff"]  
[Result "1-0"]

1.e4 d6 2.d4 c6 3.Nf3 g6 4.Be2 Bg7 5.O-O Nf6 6.Nc3 Qc7 7.h3 Nbd7 8.Re1 O-O 9.a4 b6 10.Bc4 e6 11.Bd2 Bb7 12.e5 dxe5 13.dxe5 Nd5 14.Qe2 a6 15.Rad1 c5 16.Bxd5 exd5 17.e6 Nf6 18.Ng5 d4 19.exf7+ Kh8 20.Nb1 Qc6 21.Qf3 Qxf3 22.gxf3 h6 23.Re7 Bd5 24.Ne6 Bxe6 25.Rxe6 Rxf7 26.Rxb6 Kh7 27.Kg2 Nd7 28.Rb7 Rc8 29.Na3 c4 30.Ba5 Rc5 31.Bb6 Rg5+ 32.Kf1 Rd5 33.Nxc4 Nxb6 34.Rxb6 Rxf3 35.Rxa6 Rxh3 36.Ke2 Rc5 37.b3 Rc3 38.Rd2 h5 39.Re6 h4 40.Re4 Rh5 41.a5 h3 42.Rd1 Rxc2+ 43.Kf1 Ra2 44.Re7 Kh6 45.Rf7 d3 46.Rd7 Ra1 47.Rxa1 Bxa1 48.Kg1 Be5 49.Nxe5 Rxe5 50.b4 Rb5 51.Rxd3 Rxb4 52.Rxh3+ Kg5 53.Ra3 Rb7 54.a6 Ra7 55.f3 Kf4 56.Kf2 Ke5 57.Kg3 g5 58.Kg4 Kf6 59.Ra5 Ke6 60.Kxg5 Kd6 61.f4 Kc6 62.f5 Kb6 63.Ra2 Ra8 64.a7 1-0

Game and short analyze on Lichess.org : <https://lichess.org/C4Z14oHv>

## See also

- [Corel Chess](#)
- [Heuristic Alpha](#)
- [Kasparov's Gambit](#)
- [Legend](#)
- [Mini](#)
- [Star Socrates](#)
- [Titan](#)

## Publications

- [Larry Kaufman](#) (1993). *PC Software*. [Computer Chess Reports](#) 1992-93, Vol. 3, No. 2, pp. 8-9
- [Larry Kaufman](#) (1993). *PC Software*. [Computer Chess Reports](#) 1993, Vol. 4, No. 1, pp. 9
- [Thomas Mally](#) (1993). *Mäeutik oder Schmäh-Eutik?* [PC Schach](#) 3/93 (German) <sup>[8]</sup>

## Forum Posts

- [Socrates 3 vrs. Kasp. Gambit](#) by RBasham700, [rgcc](#), November 08, 1997
- [socrates chess program](#) by Frank Zimmer, [CCC](#), May 31, 1998
- [Socrates 3.0 and Win95](#) by Tim OLena, [CCC](#), July 29, 1998
- [Socrates 3.0 and Windows 95](#) by Heiko Mikala, [CCC](#), November 07, 1998
- [Re: Socrates 3.0 and NT - incompatible ?](#) by [Don Dailey](#), [CCC](#), February 25, 1999
- [socrates, don, posting here and future](#) by [Thorsten Czub](#), [CCC](#), January 28, 2001
- [Re: How do you count nodes?](#) by [Don Dailey](#), [CCC](#), September 05, 2011
- [La Máquina Preservadora 4. Don Dailey & Larry Kaufman](#) by Luis a, [Meca Foro](#), October 18, 2013

## External Links

### Chess Program

- [Socrates II from Wikipedia](#)
- [The chess games of Socrates \(Computer\)](#) from [chessgames.com](#)
- [Free Chess Downloads](#) by [Ed Schröder](#)

### Socrates

- [Socrates \(disambiguation\) from Wikipedia](#)
- [Socrates from Wikipedia](#), the classical Greek philosopher
- [Titan \(mythology\) from Wikipedia](#)

## References

1. ^ [Harvard Cup 1992](#), [CSVN](#) site
2. ^ [Larry Kaufman](#) (1993). *PC Software*. [Computer Chess Reports](#) 1993, Vol. 4, No. 1, pp. 9
3. ^ [Larry Kaufman](#) (1992). *New PC-Software*. [Computer Chess Reports](#) 1991-92, Vol. 2, No. 3, pp 2-3
4. ^ [Carnelian](#) gem imprint representing Socrates, Rome, 1st century BC-1st century AD. [Socrates from Wikipedia](#)
5. ^ [Septober - Computerschach](#) by [Herbert Marquardt](#)
6. ^ [Larry Kaufman](#) (1992). *The 1992 Harvard Cup*. [Computer Chess Reports](#) 1992, Vol. 3, No. 2
7. ^ [Downloads | Man-Computer | Games](#), [CSVN](#) site
8. ^ [Socratic method from Wikipedia](#)

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