Checking Life-and-Death Problems in Go

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Applications of GOTOOLS

- solution of life-and-death (l/d) problems

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- ► NEW: SCANLD for checking l/d problems is based on GOTOOLS.

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Needs manual comparison with errors known in book.

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no bug, more than 1 best move	7	1.4

- the original problem diagram
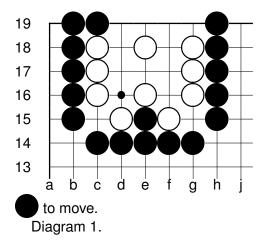
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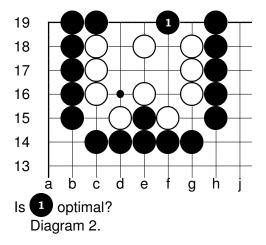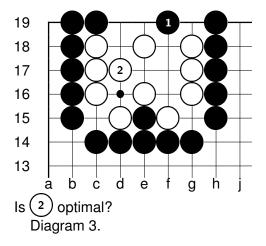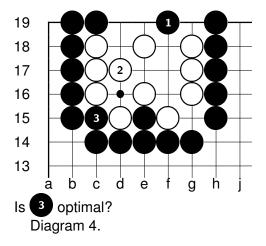
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- ▶ optimal play

Problem 33

Diagram 1.

Problem 33, solution 1 from book

Is ① optimal?

Diagram 2.

Problem 33, solution 1 from book

Is ② optimal?
Diagram 3.

Problem 33, solution 1 from book

Is ③ optimal?

Diagram 4.

Problem 33, solution 1 from book

Is ④ optimal?
Diagram 5.

Problem 33, solution 1 from book

Is ⑤ optimal?
Diagram 6.

Problem 33, solution 1 from book

Is ⑥ optimal?
Diagram 7.

Problem 33, solution 1 from book

Is ⑦ optimal?

Diagram 8.

○ needs to win a ko at d19 to live.

Problem 33, solution 1 from book

7 was correct.

Diagram 9.

Problem 33, solution 1 from book

(6) was correct.

Diagram 10.

Problem 33, solution 1 from book

5 was correct.

Diagram 11.

Problem 33, solution 1 from book

(4) was correct.

Diagram 12.

Problem 33, solution 1 from book

3 was correct.

Diagram 13.

Problem 33, solution 1, correction 1

This ② is better.

Diagram 14.

Problem 33, solution 1, correction 1

Diagram 15.

Problem 33, solution 1, correction 1
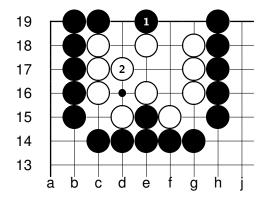

Diagram 16.

Problem 33, solution 1, correction 1

Diagram 17.

Diagram 18.

Diagram 19.
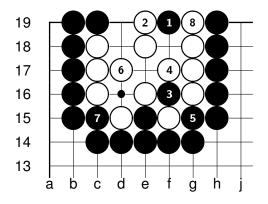
Diagram 20.
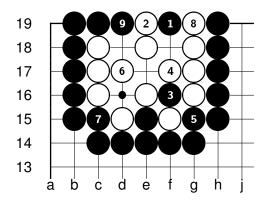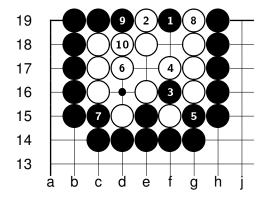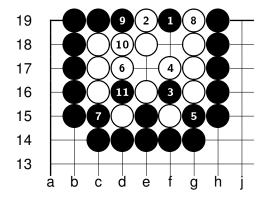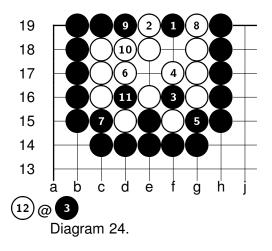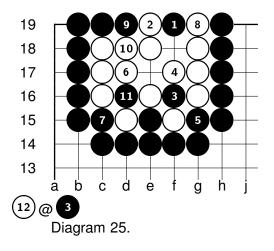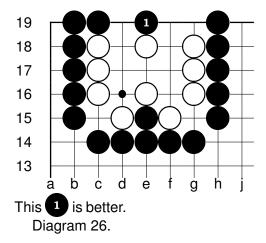
Problem 33, solution 1, correction 1

Diagram 21.

Problem 33, solution 1, correction 1

Diagram 22.

Diagram 23.

Problem 33, solution 1, correction 1

Diagram 24.

Now ◯ lives.

Problem 33, solution 1, correction 1

Diagram 25.

Now ◯ lives. But ① was already wrong!

Problem 33, solution 1, correction 2

This ① is better.

Diagram 26.

Diagram 27.

Problem 33, solution 1, correction 2

Diagram 28.

Diagram 29.

Problem 33, solution 1, correction 2
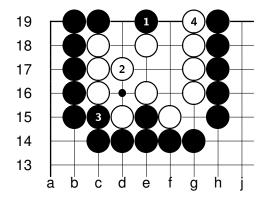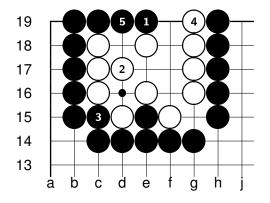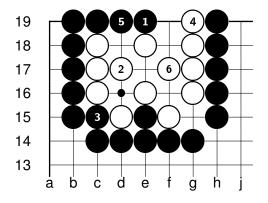

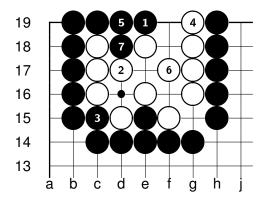Diagram 30.

Problem 33, solution 1, correction 2
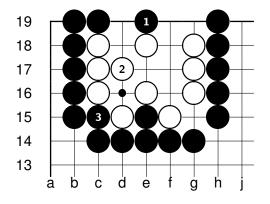
Diagram 31.

Diagram 32.
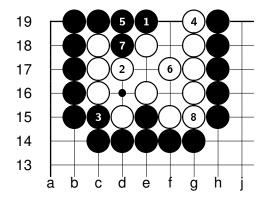
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Diagram 34.

Diagram 35.

Problem 33, solution 1, correction 2
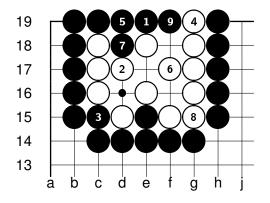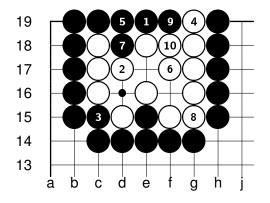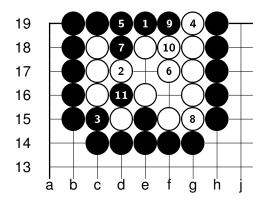

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Now ⬤ at least reaches a ko.

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- ▶ next book:
  Lee, Chang-ho:
  Mastering Go Life and Death Problems
  Vol. 6. (in Chinese). Trans. Chen, Q. and
  Yang, Yuhong. Beijing Sport University,
  ISBN 7810515268, 250 pages (2003).