1.1 This is GoReviewPartner

1.2 Run a SGF file analysis

1.3 Download a SGF file for analysis

1.4 Run a live analysis

1.5 Open a RSGF file for review

1.6 Convert RSGF file to SGF file

1.7 Settings

GoReviewPartner

Information

1.8 The file 9x9.rsgf as been converted to 9x9.rsgf.sgf

OK

GoReviewPartner

2.1

Bot to use for analysis: Leela (Slow profile)

2.2

Select variation to be analysed   Variation 1 (283 moves)   2.12

2.3
2.4
2.5

Select moves to be analysed
- Analyse all 283 moves
- Analyse only those moves: 1-283

2.6
2.7
2.8
2.9

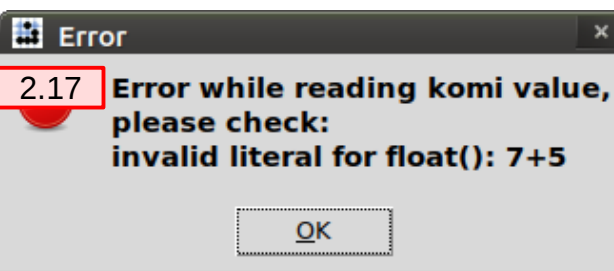Select colors to be analysed
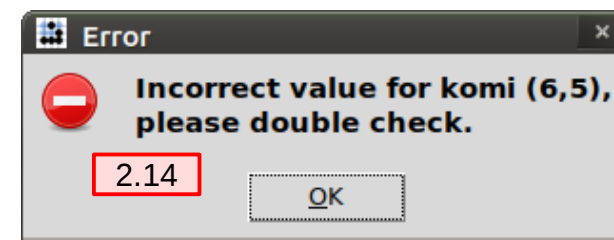- Black & white
- Black only (LizzieBot)
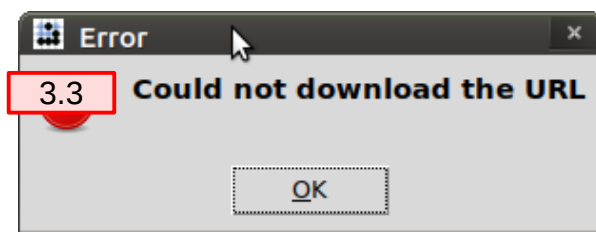- White only (Haylee)

2.10

Confirm the value of komi   7.5

2.11

Stop the analysis if the bot resigns ☐

Start   2.13

Error

Incorrect value for komi (6,5), please double check.

2.14   OK

Error

2.15   Could not make sense of the moves range.

2.16   Please indicate one or more move intervals (ie: "10-20, 40,50-51,63,67")

OK

Error

2.17   Error while reading komi value, please check:
invalid literal for float(): 7+5

OK
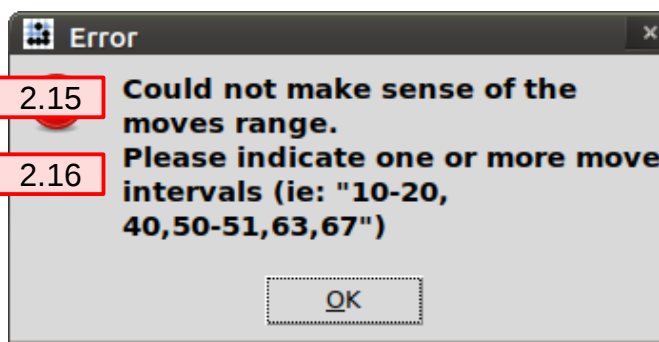
This one happens when the value recorded in the SGF is wrong

GoReviewPartner

3.1 Paste the URL to the SGF file (http or https):

Get   3.2

Error

3.3 Could not download the URL

OK

Error

3.4 Not a SGF file!

OK

GoReviewPartner

4.1 Analysis of: game.sgf

4.2 Currently at move 4/6

4.3 Remaining time: 0h, 0mn, 4s

4.4 Start review

GoReviewPartner

Analysis of: game.sgf

4.5 Completed

Start review

GoReviewPartner

Analysis of: 9x9.sgf

Currently at move 3/52

4.6 Now closing, please wait...

Start review
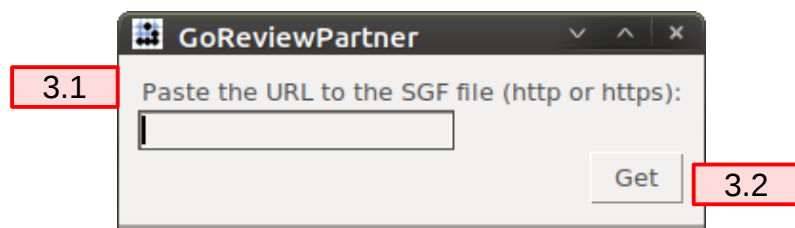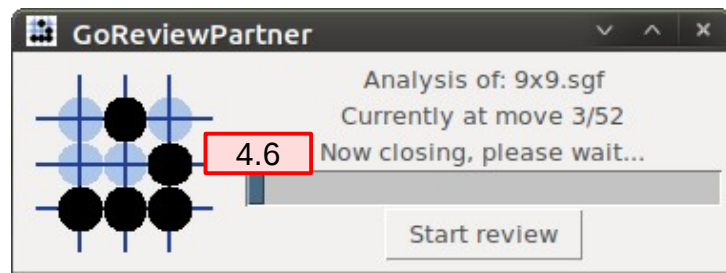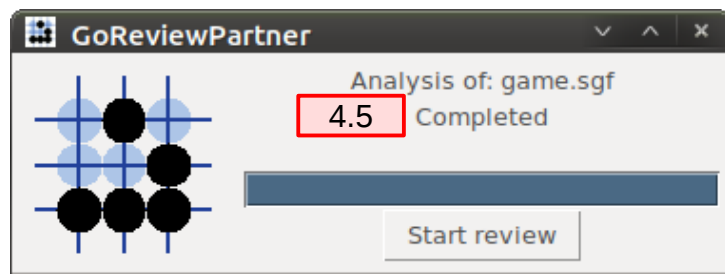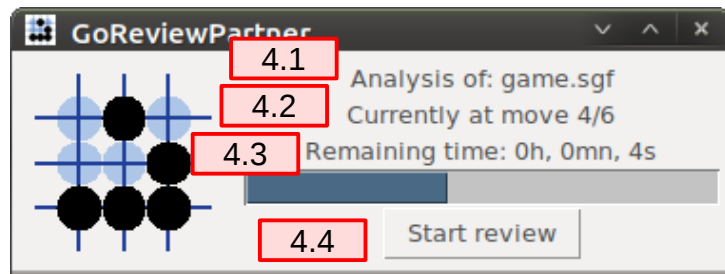
5.1 **Open position**
5.2 **Show territories**
5.8 |<<
5.7
5.9 <
11/148
5.10 >
5.11 >>
5.12 >>|
5.3 Graphs

5.5 5.6

5.13

5.14

5.15

5.4 **Table**

```
Move 11
Black to play, in the game, black played O5
For this position, Leela would play: O5

Black win probability:
• before o5: 51.76%
• after o5: 51.83% (+0.07pp)
```

GoReviewPartner

6.1

Undo — 6.7

6.2

Gnugo (Fast profile) — 6.8

Play one move — 6.9

6.3

Play as white — 6.10

6.4

Play as black — 6.11

6.5

Self play — 6.12

6.6

Quick evaluation — 6.13

GoReviewPartner

Undo

Gnugo (Fast profile)

Play one move

Play as white

Play as black

6.14 Abort

Quick evaluation

Information

Gnugo (White): resign

6.15

OK

Information

Gnugo (Black): pass

6.16

OK

GoReviewPartner

Win rate

Black win rate 7.11

7.1	Win rate
7.2	Black win rate delta
7.3	White win rate delta
7.4	Value Network win rate
7.5	Black Value Network win rate delta
7.6	White Value Network win rate delta
7.7	Monte Carlo win rate
7.8	Black Monte Carlo win rate delta
7.9	White Monte Carlo win rate delta
7.10	Score estimation

7.19

<Ctrl+Q> to save the graph as an image.

7.12 Move 19 (Black), black/white win rate: 47.77%/52.23%

Black win 7.18

White win 7.17

Move 10 (White), estimated score: W+4.8 7.16

The computer believes it's own move win rate would be 6.49pp higher. 7.15

The computer believes the actual move is 11.10pp better than it's best move. 7.14

Move 23: Black's move win rate: 43.39%, computer's move win rate: 49.88% 7.13

GoReviewPartner

Go Review Partner
| AQ |
| GnuGo |
| Leela |
| Ray |
| Leela Zero |

Go Review Partner settings 8.1

General parameters 8.2

Language 8.3   English ⌐

Parameters for the analysis 8.4
8.5 Maximum number of variations to record during analysis | 26 |
8.6 Only keep variations when game move and bot move differ ☐
8.7 Save bot command line into RSGF file   ☑
Stop the analysis if the bot resigns   ☐

8.8 Parameters for the review
8.9 Fuzzy Stone | .2 |
8.10 Real game sequence deepness | 5 |
8.11 Goban/screen ratio | .5 |
8.12 Maximum number of variations to display during review | 10 |
8.13 Blue/red coloring of the variations   The best variation in blue ⌐
8.14 Labels for the variations   Letters ⌐
8.15 Inverted mouse wheel   ☐

8.16   Save settings

The best variation in blue ⌐
8.17 The best variation in blue
8.18 Winning variations (>50%) only in blue
8.19 Variations better than actual game move in blue

Letters ⌐
8.20 Rates
8.21 Letters

GoReviewPartner

Go Review Partner

AQ

GnuG⁣ **9.1**

Leela **9.2**

Ray **9.3**

Leela Z **9.4**

9.5

9.6

9.7

9.8

9.9

9.10

9.11

Leela settings

Slow profile parameters

Command   /home/pierre/Bureau/goreviewpartner

Parameters   --gtp --noponder -p 10000

Time per move (s)   15

Test

Fast profile parameters

Command   /home/pierre/Bureau/goreviewpartner

Parameters   --gtp --noponder -p 100 --nobook

Time per move (s)   5

Test

Leela availability

Static analysis   Slow profile

Live analysis   Both profiles

Live analysis as black or white   Both profiles

When opening a position for manual play   Fast profile

Slow profile   **9.15**

Fast profile   **9.16**

Both profiles   **9.17**

None   **9.18**

Save settings

---

artner

GnuGo settings

er

Parameters for the analysis

9.12   Maximum number of variations   4

9.13   Deepness for each variation   4

Slow profile parameters

9.14   See AQ parameters in aq_config.txt

10.1 **10.2** **10.3** **10.4** **10.5** **10.6** **10.7** **10.8**

GoReviewPartner

Move 21
Black to play, in the game, black played R4
For this position, Leela would play: Q8

Black win probability:
• before r4: 59.47%
• after r4: 56.43% (-3.04pp)

Black Value Network win probability:
• before r4: 64.51%
• after r4: 60.46% (-4.05pp)

Black Monte Carlo win probability:
• before r4: 50.40%
• after r4: 49.19% (-1.21pp)

10.22 **10.23** **10.24** **10.25**

Analysis by GoReviewPartner
Bot: Leela/0.11.0
Komi: 7.5
Intervals: moves 1-283 (both colors)
Command line: /home/pierre/Bureau/goreviewpartner/leel
Black: LizzieBot
White: Haylee

Move 1
Black to play, in the game, black played Q17
For this position, Leela would play: D3 (Book move)

10.26

10.9 **10.10** **10.11** **10.12** **10.13**

Move		Win rate	Monte Carlo win rate	Value Network win rate	Policy Network value	Playouts
A	r4	56.43%	49.19%	60.46%	20.6%	5859
A	q8	59.47%	50.40%	64.51%	36.2%	8258
B	r4	55.74%	51.72%	57.97%	24.8%	761

Move		Win rate	Playouts	Evaluation	RAVE	
A	e5	47.3%	4878	510.5	53.67%	6341
A	g4	42.76%	4282	124.7	43.46%	6072
B	c6	42.38%	2043	116.7	44.62%	4575

10.14 **10.15** **10.16** **10.17** **10.18**

```
black/white win probability for this variation: 51.26%/48.74%
Policy network value for this variation: 62.6%
Monte Carlo win probability for this variation: 48.15%/51.85%
Value network black/white win probability for this variation: 52.89%/47.11%
Number of playouts used to estimate this variation: 7278
```

Leela uses those, when goban size in not 19x19

10.19 **10.20**

Gnugo **10.21**

```
black/white win probability for this variation: 42.76%/57.24%
Number of playouts used to estimate this variation: 4282
Evaluation for this variation: 124.7
RAVE(x%: y) for this variation: 43.46% 6072

Score estimation for this variation: %s
```

GoReviewPartner

10.1 Bot to use for analysis: Leela (Slow profile)

10.2 Black player GnuGo (Fast profile)

10.3 White player GnuGo (Fast profile)

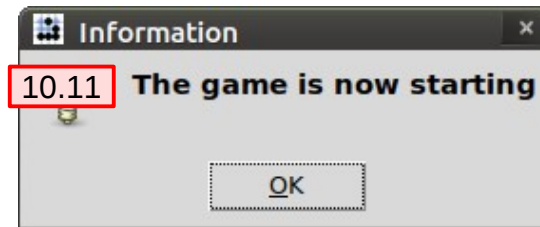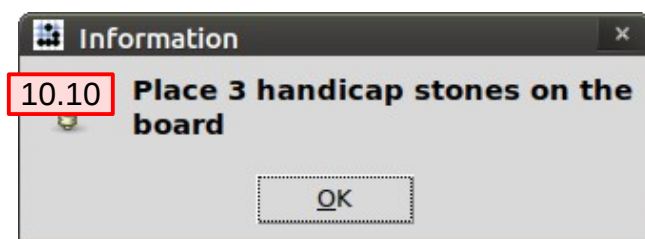10.4 No overlap thinking time ☐

10.5 Board size 19

10.6 Komi 7.5

10.7 Handicap stones 3

10.8 SGF file name 2018-04-22_15-46_GnuG

Select colors to be analysed
- ⦿ Black & white
- ○ Black only
- ○ White only

GoReviewPartner

Bot to use for analysis: Leela (Slow profile)

Black player GnuGo (Fast profile)

White player GnuGo (Fast profile)

10.9 Human
Bot used for analysis: Leela (Slow profile)
Leela (Slow profile)
Leela (Fast profile)
GnuGo (Fast profile)
LeelaZero (Slow profile)
LeelaZero (Fast profile)

No overlap thinking time ☐

Board size

Komi

Handicap stones 3

SGF file name 2018-04-22_15-46_GnuG

Select colors to be analysed
- ⦿ Black & white
- ○ Black only
- ○ White only

Information

10.10 **Place 3 handicap stones on the board**

OK

Information

10.11 **The game is now starting**

OK

12.1

Game

Black: GNU Go
White: GNU Go
Komi: 7.5

12.2 Currently at move 1

12.3 Pause
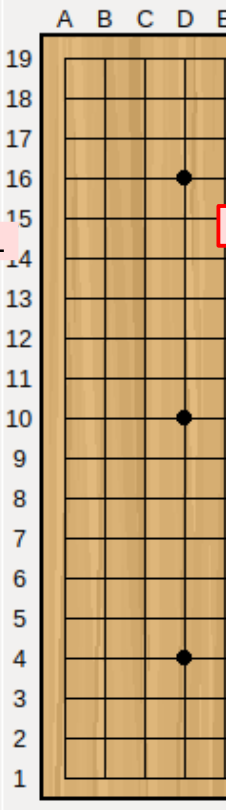
12.11

12.4 Analysis

12.5 Analysis by Leela
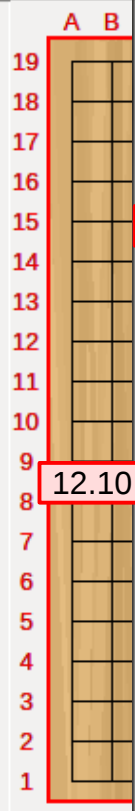12.6 Analysis status:
12.7 Ready to start

Open position

Game

Black: GNU Go
White: GNU Go
Komi: 7.5
Currently at move 17

12.8 Resume

Analysis

Analysis by Leela
Analysis status:
Currently at move 5

12.10

Open position

Start review

Game

Black: Human
White: GNU Go
Komi: 7.5
Currently at move 4

12.9 Pass

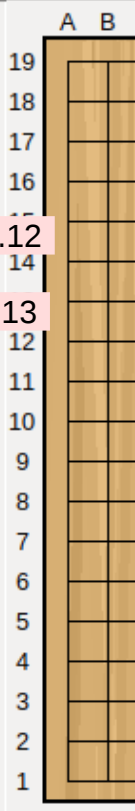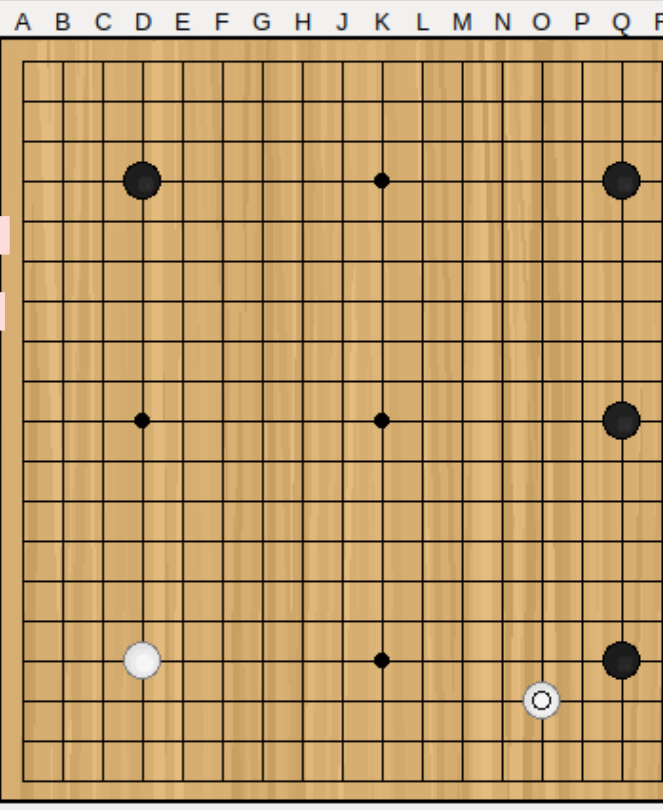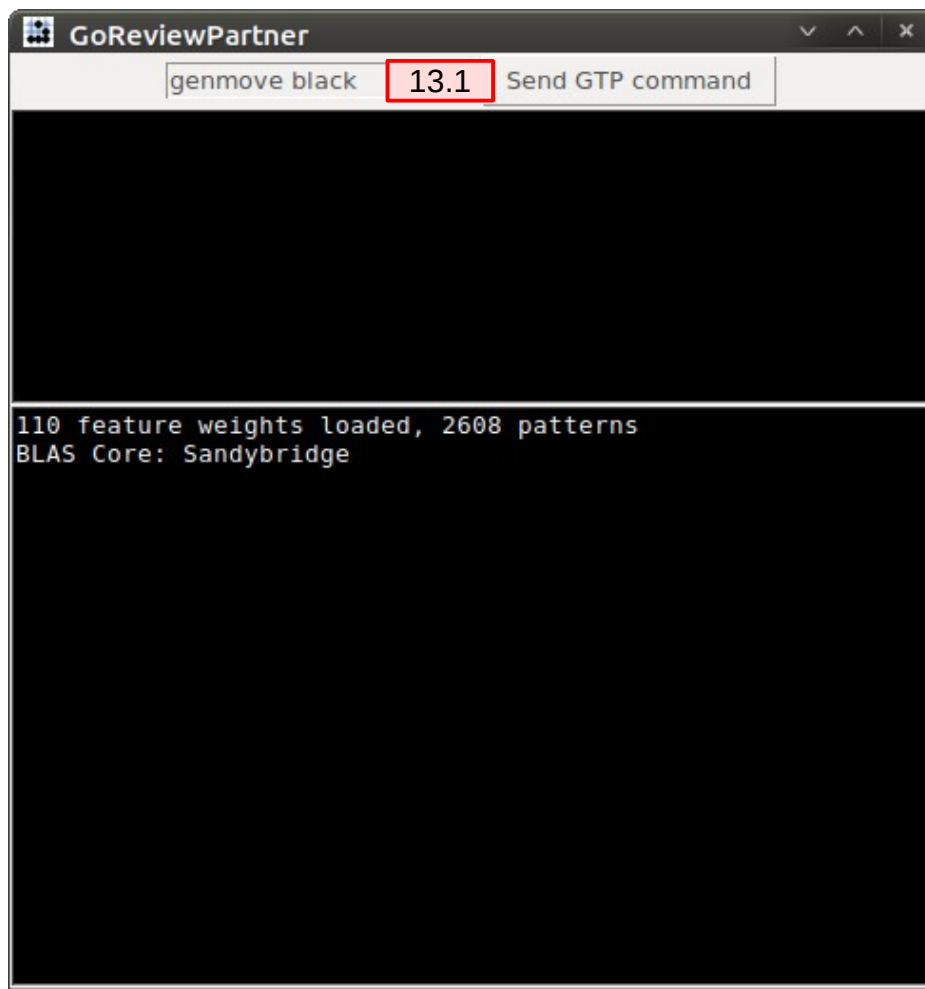12.12

Undo

12.13

Analysis
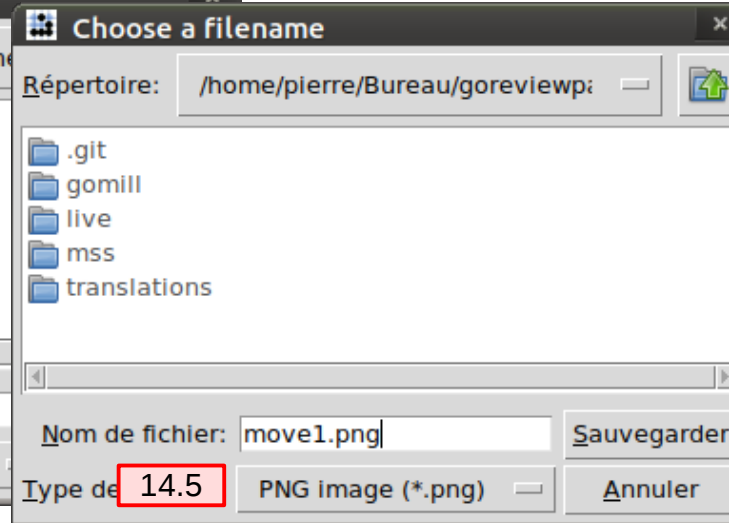
Analysis by Leela
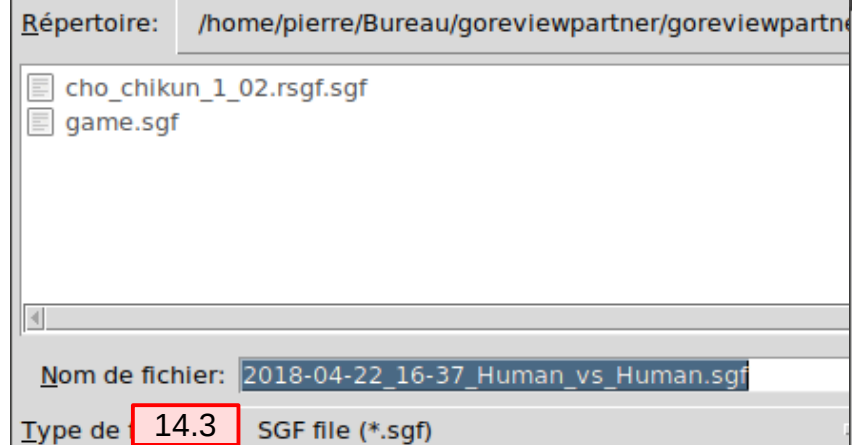Analysis status:
Waiting for next move

Open position

Start review

GoReviewPartner

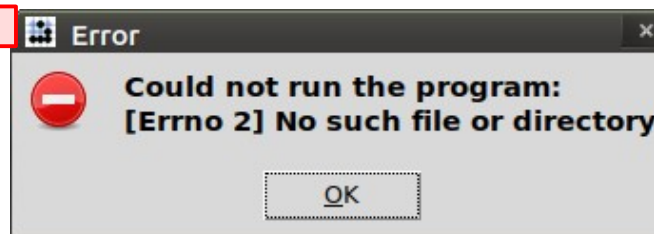genmove black | 13.1 | Send GTP command

110 feature weights loaded, 2608 patterns
BLAS Core: Sandybridge

14.1 Choose a filename

Répertoire: /home/pierre/Bureau/goreviewpartner/goreviewpartne

cho_chikun_1_02.rsgf.sgf
game.sgf

Nom de fichier: 2018-04-22_16-37_Human_vs_Human.sgf

14.3 Type de t   SGF file (*.sgf)

14.2 Select a file

Répertoire: /home/pierre/Bureau/goreviewpartner

benchmark   hailee
buildsv0.9   half_po
color_goban   L19_re
github_issues   Leela_
goreviewpartner   leelaz
graphs   lives

Nom de fichier:

Ouvrir

14.4 Type de   Reviewed SGF file (*.rsgf)   Annuler

Choose a filename

Répertoire: /home/pierre/Bureau/goreviewpa

.git
gomill
live
mss
translations

Nom de fichier: move1.png   Sauvegarder

14.5 Type de   PNG image (*.png)   Annuler

14.6 Error

Could not run the program:
[Errno 2] No such file or directory

OK

14.7 Information

The game is now starting

OK

Error

Could not save the RSGF file: /home/pierre/Bureau/goreviewpart ner/goreviewpartner/game.rsgf [Errno 21] Is a directory: u'/home/pierre/Bureau/goreviewp artner/goreviewpartner/game.rsgf '

OK