Esercizio gameshell.sh di Pandolfi Luciano

```
[mission 8] $ history
    1  # START OF COMMANDS HISTORY
    2  gsh goal
    3  gsh check
    4  cd
    5  pwd
    6  gsh check
    7  gsh goal
    8  cd
    9  ls
   10  gsh goal
   11  pwd
   12  gsh goal
   13  pwd
   14  ls
   15  cd Castle/
   16  ls -hl
   17  cd Main_tower
   18  ls
   19  cd First_floor
   20  ls
   21  cd Second_floor
   22  ls
   23  cd Top_of_the_tower
   24  ls
   25  gsh check
   26  gsh goal
   27  pwd
   28  cd ../../../..
   29  ls
   30  cd Cellar
   31  ls
   32  pwd
   33  gsh check
   34  gsh goal
   35  ls
   36  pwd
   37  cd
   38  pwd
   39  ls
   40  cd Castle/
   41  ls
   42  cd ..
   43  cd ..
   44  pwd
   45  ls
   46  cd Castle
```

```
   48  ls
   49  cd Throne_room/
   50  pwd
   51  cd /home/kali/gameshell/World/Castle/Main_building/Throne_room
   52  gsh check
   53  pwd
   54  cd Throne_room
   55  pwd
   56  cd /home/kali/gameshell/World/Castle/Main_building/Throne_room
   57  gsh check
   58  cd Castle/
   59  cd
   60  cd Castle
   61  cd Main_building/
   62  ls
   63  cd Throne_room/
   64  pwd
   65  cd
   66  cd /home/kali/gameshell/World/Castle/Main_building/Throne_room
   67  gsh check
   68  gsh goal
   69  cd
   70  ls
   71  cd Forest/
   72  ls
   73  mkdir Hut
   74  cd Hut/
   75  mkdir Chest
   76  gsh check
   77  gsh goal
   78  cd
   79  pwd
   80  cd Castle
   81  ls
   82  cd Cellar/
   83  ls
   84  rm spider_1 spider_2 spider_3
   85  check
   86  gsh check
   87  gsh goal
   88  pwd
   89  cd
   90  cd Castle/Garden
   91  pwd
   92  ls
   93  cd Castle
   94  ls
   95  cd
```

```
 96  cd Garden
 97  ls
 98  mv coin_1 coin_2 coin_3 ~/
 99  ls
100  gsh goal
101  cd Garden/
102  cd
103  cd Garden
104  ls
105  gsh check
106  gsh restart
107  gsh help
108  gsh reset
109  gsh goal
110  cd
111  cd Garden/
112  ls
113  mv coin_1 coin_2 coin_3 ~/
114  ls
115  gsh reset
116  gsh goal
117  cd
118  Garden/
119  cd Garden/
120  ls
121  mv coin_1 coin_2 coin_3 ~/Forest/Hut/Chest/
122  gsh check
123  gsh goal
124  cd
125  ls - A
126  ls -A
127  cd ..
128  pwd
129  ls -A
130  gsh reset
131  cd
132  pwd
133  cd Garden/
134  pwd
135  ls -A
136  mv .
137  mv .41821_coin_1 .55904_coin_3 .65247_coin_2 ~/Forest/Hut/Chest/
138  gsh check
139  gsh goal
140  cd
141  pwd
142  history
```

```
~/Castle
[mission 12] $ cd Main_tower/First_floor/

~/Castle/Main_tower/First_floor
[mission 12] $ ls -l
total 16
-rw-rw-r-- 1 kali kali 1455 Feb 12  1981 painting_KXyQPLtp
-rw-rw-r-- 1 kali kali 1054 Dec  6  1997 painting_tHrhhJwp
-rw-rw-r-- 1 kali kali 1503 Aug 24  2015 painting_xjqyTcuk
drwxrwxr-x 3 kali kali 4096 Oct 25 10:44 Second_floor/

~/Castle/Main_tower/First_floor
[mission 12] $ cat painting_KXyQPLtp
```
cf2f95dbd7d459ae981a90b30ee436e7a887a798@17552
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```
~/Castle/Great_hall
[mission 11] $ ls -l
total 68
-rw-r--r-- 1 kali kali  574 Oct 25 14:08 18094_tapestry_09
-rw-rw-r-- 1 kali kali 1122 Oct 25 14:08 23300_suit_of_armour
-rw-r--r-- 1 kali kali 3877 Oct 25 14:08 27362_tapestry_03
-rw-r--r-- 1 kali kali  416 Oct 25 14:08 27972_decorative_shield
-rw-r--r-- 1 kali kali 1213 Oct 25 14:08 33496_tapestry_06
-rw-r--r-- 1 kali kali 1290 Oct 25 14:08 37954_tapestry_01
-rw-r--r-- 1 kali kali 1290 Oct 25 14:08 41830_tapestry_10
-rw-r--r-- 1 kali kali 1290 Oct 25 14:08 53585_tapestry_07
-rw-r--r-- 1 kali kali  574 Oct 25 14:08 53812_tapestry_02
-rw-r--r-- 1 kali kali 1290 Oct 25 14:08 53994_tapestry_05
-rw-r--r-- 1 kali kali 1290 Oct 25 14:08 55048_tapestry_04
-rw-r--r-- 1 kali kali  786 Oct 25 14:08 58458_tapestry_08
-rw-rw-r-- 1 kali kali  229 Oct 25 14:08 63057_stag_head
-rw-rw-r-- 1 kali kali   46 Oct 25 13:48 standard_1
-rw-rw-r-- 1 kali kali   47 Oct 25 13:48 standard_2
-rw-rw-r-- 1 kali kali   47 Oct 25 13:48 standard_3
-rw-rw-r-- 1 kali kali   47 Oct 25 13:48 standard_4

~/Castle/Great_hall
[mission 11] $ cp *_tapestry_* ~/Forest/Hut/Chest/

~/Castle/Great_hall
[mission 11] $ gsh check

Congratulations, mission 11 has been successfully completed!
```

```
~/Castle/Main_tower/First_floor
[mission 12] $ cat painting_tHrhhJwp
```
a4fb87683b4828717dc09382e9542234264c50bc@6618
```
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```

```
~/Castle/Main_tower/First_floor
[mission 12] $ cp painting_KXyQPLtp ~/Forest/Hut/Chest/

~/Castle/Main_tower/First_floor
[mission 12] $ gsh check

Congratulations, mission 12 has been successfully completed!
```

```
~/Castle/Main_tower/First_floor
[mission 14] $ alias la='ls -A'

~/Castle/Main_tower/First_floor
[mission 14] $ la
.nice_rock  painting_KXyQPLtp  painting_tHrhhJwp  painting_xjqyTcuk  Second_floor/

~/Castle/Main_tower/First_floor
[mission 14] $ gsh check

Congratulations, mission 14 has been successfully completed!
```

```
~/Forest
[mission 15] $ cd Hut/Chest/

~/Forest/Hut/Chest
[mission 15] $ touch journal.txt

~/Forest/Hut/Chest
[mission 15] $ sudo nano journal.txt
gsh: sudo: command not found

~/Forest/Hut/Chest
[mission 15] $ nano journal.txt

~/Forest/Hut/Chest
[mission 15] $ gsh check

Congratulations, mission 15 has been successfully completed!
```

```
~
[mission 16] $ journal='~Forest/Hut/Chest/journal.txt'

~
[mission 16] $ nano journal

~
[mission 16] $ gsh check
No alias 'journal' has been found...

Sorry, mission 16 hasn't been completed.

     |                        |
 --+————————————————————————+--
   | Use the command         |
   |     $ gsh help          |
   | to get the list of "gsh" commands. |
 --+————————————————————————+--
     |                        |


~
[mission 16] $ gsh reset

     |                        |
 --+————————————————————————+--
   | Use the command         |
   |     $ gsh help          |
   | to get the list of "gsh" commands. |
 --+————————————————————————+--
     |                        |


~
[mission 16] $ alias journal='nano ~/Forest/Hut/Chest/journal.txt'

~
[mission 16] $ gsh check

Congratulations, mission 16 has been successfully completed!
```

```
~/Castle/Cellar
[mission 17] $ ls -A
11022_bat_1   .20457_bat_5  2929_bat_2   .9199_bat_1
.12285_bat_4  .20557_bat_2  32754_bat_5  barrel_of_apples
16564_bat_3   26924_bat_4   .607_bat_3   .Lair_of_the_spider_queen  xrWURZgwWokrdSNC QDCmvYqTkFiCnaXI/

~/Castle/Cellar
[mission 17] $ cd .Lair_of_the_spider_queen\ xrWURZgwWokrdSNC QDCmvYqTkFiCnaXI/

~/Castle/Cellar/.Lair_of_the_spider_queen xrWURZgwWokrdSNC QDCmvYqTkFiCnaXI
[mission 17] $ ls -A
EaLvMoEoomOqxUwC_baby_bat_yCnBIPzEzEYQvzyf  QFVoDHXIPxrHKISk_spider_queen_XJosgJCvsHXunzZl

~/Castle/Cellar/.Lair_of_the_spider_queen xrWURZgwWokrdSNC QDCmvYqTkFiCnaXI
[mission 17] $ rm QFVoDHXIPxrHKISk_spider_queen_XJosgJCvsHXunzZl

~/Castle/Cellar/.Lair_of_the_spider_queen xrWURZgwWokrdSNC QDCmvYqTkFiCnaXI
[mission 17] $ gsh check
Good, but you took 75 seconds. You needed to take less than 20 seconds...

Sorry, mission 17 hasn't been completed.

You are back in the cellar.
```

```
~/Castle/Cellar
[mission 17] $ cd .Lair_of_the_spider_queen\ fAGDHTAJcFDZIRkw atEzuckpShGkOUiF/

~/Castle/Cellar/.Lair_of_the_spider_queen fAGDHTAJcFDZIRkw atEzuckpShGkOUiF
[mission 17] $ ls -A
VvbAIxRhhlxFWtbN_baby_bat_xJLLsvlvzNZcTxIR  xfKLqKnHYJQrMfCR_spider_queen_EAfccyRNEwODTEUi

~/Castle/Cellar/.Lair_of_the_spider_queen fAGDHTAJcFDZIRkw atEzuckpShGkOUiF
[mission 17] $ rm xfKLqKnHYJQrMfCR_spider_queen_EAfccyRNEwODTEUi

~/Castle/Cellar/.Lair_of_the_spider_queen fAGDHTAJcFDZIRkw atEzuckpShGkOUiF
[mission 17] $ gsh check
Good, but you took 28 seconds. You needed to take less than 20 seconds...

Sorry, mission 17 hasn't been completed.

You are back in the cellar.
```

```
~/Castle/Cellar
[mission 17] $ cd .Lair_of_the_spider_queen\ nbwVmoCoJEBYAfZv FkxMnAhJaVDaUsuv/

~/Castle/Cellar/.Lair_of_the_spider_queen nbwVmoCoJEBYAfZv FkxMnAhJaVDaUsuv
[mission 17] $ ls -A
obsZsHNNlIHtBgMy_baby_bat_vIKKzXpUqpDxIXPk  TBJjkuCBVewxImhK_spider_queen_wMPwWcztsqnFhDBP

~/Castle/Cellar/.Lair_of_the_spider_queen nbwVmoCoJEBYAfZv FkxMnAhJaVDaUsuv
[mission 17] $ rm TBJjkuCBVewxImhK_spider_queen_wMPwWcztsqnFhDBP

~/Castle/Cellar/.Lair_of_the_spider_queen nbwVmoCoJEBYAfZv FkxMnAhJaVDaUsuv
[mission 17] $ gsh check
Perfect, it took you only 18 seconds to complete this mission!

Congratulations, mission 17 has been successfully completed!
```

```
34  gsh reset
35  Charmiglio apob
36  Charmiglio apab
37  Charmiglio abap
38  gsh check
39  gsh goal
40  pwd
41  ls
42  cd Garden/
43  ls
44  cd Maze/
45  ls -A
46  pwd
47  ls -hl
48  cd 16ef22bad488db15a0f01745891b/
49  ls
50  ../
51  cd ../
52  cd 533b817b034bceee5d782e343d2775/
53  ls
54  ls -A
55  cd ../
56  cd small
57  cd SmallMaze
58  cd ../
59  ls -A
60  cd Maze/
61  cd
62  cd home/kali/gameshell.1/World/Garden/Maze
63  cd Garden/Maze/
64  ls
65  cd ~/Garden/Maze
66  ls
67  gsh reset
```

```
~/Garden/Maze
[mission 21] $ history
    1  # START OF COMMANDS HISTORY
    2  exeye
    3  gsh goal
    4  xeyes
    5  xeyes &
    6  gsh check
    7  gsh goal
    8  gsh check charmiglio& charmiglio& charmiglio& charmiglio&
    9  gsh goal
   10  Charmiglio apab
   11  Charmiglio abap
   12  gsh reset
   13  Charmiglio abao
   14  Charmiglio abap
   15  gsh reset
   16  Charmiglio apba
   17  Charmiglio abap
   18  gsh check
   19  gsh reset
   20  gsh goal
   21  Charmiglio apab
   22  Charmiglio abap
   23  Charmiglio apob
   24  Charmiglio abap
   25  Charmiglio apab
   26  gsh reset
   27  Charmiglio opab
   28  Charmiglio apab
   29  Charmiglio abap
   30  Charmiglio obap
   31  Charmiglio abap
```

```
~/Garden/Maze/dee717a50e5375710c465672200c93
[mission 21] $ cd 0aad1020a95ffc19e4e7/

~/Garden/Maze/dee717a50e5375710c465672200c93/0aad1020a95ffc19e4e7
[mission 21] $ ls
8fa080c8387758aa27f011/   a4667149d8fc8c98f0/

~/Garden/Maze/dee717a50e5375710c465672200c93/0aad1020a95ffc19e4e7
[mission 21] $ cd a4667149d8fc8c98f0/

~/Garden/Maze/dee717a50e5375710c465672200c93/0aad1020a95ffc19e4e7/a4667149d8fc8c98f0
[mission 21] $ ls
00000_copper_coin_00000

~/Garden/Maze/dee717a50e5375710c465672200c93/0aad1020a95ffc19e4e7/a4667149d8fc8c98f0
[mission 21] $ mv 00000_copper_coin_00000 ~/Forest/Hut/Chest

~/Garden/Maze/dee717a50e5375710c465672200c93/0aad1020a95ffc19e4e7/a4667149d8fc8c98f0
[mission 21] $ gsh check

Congratulations, mission 21 has been successfully completed!
```

```
File  Actions  Edit  View  Help
~/Garden/Maze/89aefc8149
[mission 22] $ cd 2c465c2bcd186cf3bb17e/

~/Garden/Maze/89aefc8149/2c465c2bcd186cf3bb17e
[mission 22] $ ls
14410241a6b7aed793fe829d60905d/   2689df189326caaacc/   44ddaf11dd331838/

~/Garden/Maze/89aefc8149/2c465c2bcd186cf3bb17e
[mission 22] $ cd 44ddaf11dd331838/

~/Garden/Maze/89aefc8149/2c465c2bcd186cf3bb17e/44ddaf11dd331838
[mission 22] $ ls
00000_silver_coin_00000

~/Garden/Maze/89aefc8149/2c465c2bcd186cf3bb17e/44ddaf11dd331838
[mission 22] $ mv 00000_silver_coin_00000 ~/Forest/Hut/Chest

~/Garden/Maze/89aefc8149/2c465c2bcd186cf3bb17e/44ddaf11dd331838
[mission 22] $ gsh check

Congratulations, mission 22 has been successfully completed!

You are back at the entrance of the maze ...

  --+---------------------------------+--
    | Use the command
    |     $ gsh help
    | to get the list of "gsh" commands.
```

```
File  Actions  Edit  View  Help
/home/kali/gameshell.3/World/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0
[mission 23] $ ls
44fec9a3bc15/   69108415d86fe6/   80fd2dcebc9/        84eb5dc03d4/                          cd9fcc39dd7a744d9096b/
63d61d4180/     7a9d1c2c06bc2e6/  82619d2911d6c0b0c/  a024537ca54cc27dadb16b9fa6a095/      e9d2979727d4cda67b5/

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0
[mission 23] $ cd e9d2979727d4cda67b5/

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0/e9d2979727d4cda67b5
[mission 23] $ ls
gold_coin_1

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0/e9d2979727d4cda67b5
[mission 23] $ mv gold_coin_1 ~/Forest/Hut/Chest

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0/e9d2979727d4cda67b5
[mission 23] $ gsh check

Congratulations, mission 23 has been successfully completed!

You are back at the entrance of the maze ...


        |                                |
 --+----------------------------------+--
        | Use the command              |
        |     $ gsh help               |
        | to get the list of "gsh" commands. |
 --+----------------------------------+--
        |                                |
```

```
File  Actions  Edit  View  Help
Try: sudo apt install <deb name>

~/Garden/Maze
[mission 23] $ find . -name Coin_

~/Garden/Maze
[mission 23] $ ls
0250bb460acb985/            6cda8c4b7c2eeff9e4c56c69/  8ee455a2ae20be085ac5744518bc9/  dc8c07193b4/              ef0f8f8cb06c04c69d6bc30335fafa/
13271d22640e4560bbb6530fc/  778f781a15a9ecd9c/         b9524bfbe95f2/                  e165e9fea30bca307bc77b145749/  fffb0e60c5b5cc7db2/

~/Garden/Maze
[mission 23] $ find . -type f
./dc8c07193b4/618f259718d49f182e9b653a0/80fd2dcebc9/GolD_CoiN_2
./dc8c07193b4/618f259718d49f182e9b653a0/e9d2979727d4cda67b5/gold_coin_1

~/Garden/Maze
[mission 23] $ cd ./dc8c07193b4/618f259718d49f182e9b653a0/80fd2dcebc9/

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0/80fd2dcebc9
[mission 23] $ ls
GolD_CoiN_2

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0/80fd2dcebc9
[mission 23] $ mv ^C

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0/80fd2dcebc9
[mission 23] $ mv GolD_CoiN_2 ~/Forest/Hut/Chest

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0/80fd2dcebc9
[mission 23] $ cd ../

~/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0
[mission 23] $ pwd
/home/kali/gameshell.3/World/Garden/Maze/dc8c07193b4/618f259718d49f182e9b653a0
```

```
File  Actions  Edit  View  Help
[mission 24] $ head -h page_07
head: invalid option -- 'h'
Try 'head --help' for more information.

~/Mountain/Cave
[mission 24] $ head -5 page_07
Herbal tea
_____

1) Boil water.
2) Add herbs from the forest.

~/Mountain/Cave
[mission 24] $ head -6 page_07
Herbal tea
_____

1) Boil water.
2) Add herbs from the forest.
3) Let it sit for five minutes and drink while hot.

~/Mountain/Cave
[mission 24] $ gsh check

Congratulations, mission 24 has been successfully completed!
```

```
    1  # START OF COMMANDS HISTORY
    2  gsh goal
    3  ps
    4
    5  kill -9 KILL 130728
    6  ps
    7  gsh check
    8  ps
    9  kill 132309
   10  ps
   11  kill -9 KILL 132733
   12  kill -9 KILL 132309
   13  gsh check
   14  gsh goal
   15  history
```

```
~/Mountain/Cave
[mission 25] $ nano page_12

~/Mountain/Cave
[mission 25] $ tail -n 9 page_12
1) Boil water in a cauldron.
2) Add in a few death caps (Amanita phalloides).
3) Also add a few fly agarics (Amanita muscaria).
4) And some destroying angels (Amanita virosa).
5) Mix in a few deadly webcaps (Cortinarius rubellus).
6) Feel free to add in any colourful fungi you have on hand.
7) Let half of the water evaporate.
8) Season with a pinch of salt and a few herbs.
9) Serve hot in a bowl.

~/Mountain/Cave
[mission 25] $ gsh check

Congratulations, mission 25 has been successfully completed!
```

```
~
[mission 30] $ gsh check

Congratulations, mission 30 has been successfully completed!
```

```
[mission 31] $ gsh index
     1    basic/01_cd_tower  (completed)
     2    basic/02_cd.._cellar  (completed)
     3    basic/03_cd_HOME_throne  (completed)
     4    basic/04_mkdir_chest  (completed)
     5    basic/05_rm_spiders_cellar  (completed)
     6    basic/06_mv_coins_garden  (completed)
     7    basic/07_mv_hidden_coins_garden  (completed)
     8    basic/08_rm_wildcard_spiders_cellar  (completed)
     9    basic/09_rm_wildcard_hidden_spiders_cellar  (completed)
    10    basic/10_cp_standard_great_hall  (completed)
    11    basic/11_cp_wildcards_tapestries_great_hall  (completed)
    12    basic/12_cp_ls_mtime_paintings_tower  (completed)
    13    misc/01_cal_nostradamus  [optional]  (skipped)
    14    intermediate/01_alias_la  (completed)
    15    misc/02_nano_journal  (completed)
    16    intermediate/02_alias_journal  (completed)
    17    intermediate/03_tab_spider_lair  (completed)
    18    intermediate/04_bg_xeyes  [optional]  (completed)
    19    intermediate/05_background  (completed)
    20    intermediate/06_control-C  (completed)
    21    finding_files_maze/01_ls_cd  (completed)
    22    finding_files_maze/02_tree  (completed)
    23    finding_files_maze/03_find_1  (completed)
    24    pipe_intro_book_of_potions/01_head  (completed)
    25    pipe_intro_book_of_potions/02_tail  (completed)
    26    pipe_intro_book_of_potions/03_cat  (completed)
    27    pipe_intro_book_of_potions/04_pipe  (completed)
    28    pipe_intro_book_of_potions/05_pipe_head_tail  (completed)
    29    processes/01_ps_kill  (completed)
    30    processes/02_ps_kill_signal  (completed)
→   31    processes/03_pstree_kill
    32    stdin_stdout_stderr/01_stdin_additions
    33    stdin_stdout_stderr/02_stdin_redirection_multiplications
    34    stdin_stdout_stderr/03_stdout_redirection_inventory
    35    stdin_stdout_stderr/04_stderr_dev-null_grimoires
    36    stdin_stdout_stderr/05_stdout_stderr_redirection_merlin
```

```
  1  # START OF COMMANDS HISTORY
  2  pstree
  3  pstree -p
  4  kill 570666 570667 570668
  5  ls
  6  pstree -p
  7  cd Castle/Cellar/
  8  rm *_coal
  9  ls
 10  gsh check
 11  gsh goal
 12  gsh check
 13  gsh goal
 14  gsh check
 15  cd
 16  ls
 17  cd Stall/
 18  ls
 19  cd
 20  cd Castle/
 21  ls
 22  ls Main_building/
 23  cd Main_building/Library/
 24  ls
 25  gsh check
 26  gsh check < Mathematics_101
 27  gsh goal
 28  ls
 29  cat Merlin_s_office/
 29  cat Merlin_s_office/
 30  cd Merlin_s_office/
 31  ls
 32  cd ..
 33  ls
 34  ls Merlin_s_office/grimoire_* > Merlin_s_office/Drawer/inventory.txt
 35  gsh check
 36  ls Merlin_s_office/grimoire_* > Merlin_s_office/Drawer/inventory.txt
 37  less Merlin_s_office/Drawer/inventory.txt
 38  ls
 39  cd Merlin_s_office/
 40  ls grimoire_* > Drawer/inventory.txt
 41  gsh check
 42  gsh goal
 43  grep -l -i gsh grimoire_* 2>/dev/null
 44  gsh check
 45  gsh goal
 46  c../../../
 47  cd ../../../
 48  ls
 49  cd Observatory/
 50  ./merlin > merlin_stdout.txt
 51  ./merlin 2> merlin_stdout.txt
 52  ./merlin 2> merlin_stdout.txt stder.txt
 53  ./merlin 2> merlin_stdout.txt stderr.txt
 54  ./merlin > merlin_stdout.txt
 55  ./merlin 2> merlin_stdout.txt
 56  ./merlin 2> merlin_stderr.txt
 57  ls
 58  ./merlin < star_chart
 59  ./merlin < stars_chart 2> merlin2.txt
 60  ./merlin < star_chart 2> merlin2.txt
 61  cat merlin2.txt
 62  gsh check < merlin2.txt
```

```
 63     gsh goal
 64     cd ..
 65     cd ../
 66     ls
 67     cd Main_building/
 68     ls
 69     cd Throne_room/
 70     ls -l
 71     chmod 764 King_quarter/
 72     cd Kings_quarter/
 73     chmod +x Kings_quarter/
 74     cd Kings_quarter/
 75     gsh check
 76     gsh goal
 77     ls -l
 78     ls -la
 79     chmod +rx .secret_note
 80     cat .secret_note
 81     gsh check
 82     gsh goal
 83     cd ../
 84     ls
 85     cd Safe/
 86     chmod +r Safe/
 87     cd Safe/
 88     ls -l
 89     chmod +wx Safe/
 90     cd Safe/
 91     ls
 92     ls -l
 93     chmod +rwx crown
 94     cd crown
 95     cat crown
 96     mv crown ~/Forest/Hut/Chest/
 97     gsh check
 98     gsh goal
 99     cd
100     ls
101     cd Garden/Maze/
```

```
116  ls | grep King | grep -v
117  ls | grep King | grep -v PAID
118  gsh check
119  gsh reset
120  ls | grep King | grep -v PAID
121  gsh check
122  ls | grep King | grep -v PAID
123  gsh reset
124  ls | grep King | grep -v PAID
125  gsh check
126  gsh reset
127  cd
128  cd Castle/
129  ls
130  cd
131  cd Stall/
132  ls
133  ls -hl | grep -v boring_object
134  grep King 0c1178908f3d39c_s_c_r_o_l_l_0c1178908f3d39c6 | grep -v PAID
135  grep King *_s_c_r_o_l_l_* | grep -v PAID
136  gsh check
137  grep King *_s_c_r_o_l_l_* | grep -v PAID
138  gsh check
139  gsh goal
140  history
```

```
10    basic/10_cp_standard_great_hall  (completed)
11    basic/11_cp_wildcards_tapestries_great_hall  (completed)
12    basic/12_cp_ls_mtime_paintings_tower  (completed)
13    misc/01_cal_nostradamus  [optional]  (skipped)
14    intermediate/01_alias_la  (completed)
15    misc/02_nano_journal  (completed)
16    intermediate/02_alias_journal  (completed)
17    intermediate/03_tab_spider_lair  (completed)
18    intermediate/04_bg_xeyes  [optional]  (completed)
19    intermediate/05_background  (completed)
20    intermediate/06_control-C  (completed)
21    finding_files_maze/01_ls_cd  (completed)
22    finding_files_maze/02_tree  (completed)
23    finding_files_maze/03_find_1  (completed)
24    pipe_intro_book_of_potions/01_head  (completed)
25    pipe_intro_book_of_potions/02_tail  (completed)
26    pipe_intro_book_of_potions/03_cat  (completed)
27    pipe_intro_book_of_potions/04_pipe  (completed)
28    pipe_intro_book_of_potions/05_pipe_head_tail  (completed)
29    processes/01_ps_kill  (completed)
30    processes/02_ps_kill_signal  (completed)
31    processes/03_pstree_kill  (completed)
32    stdin_stdout_stderr/01_stdin_additions  (completed)
33    stdin_stdout_stderr/02_stdin_redirection_multiplications  (completed)
34    stdin_stdout_stderr/03_stdout_redirection_inventory  (completed)
35    stdin_stdout_stderr/04_stderr_dev-null_grimoires  (completed)
36    stdin_stdout_stderr/05_stdout_stderr_redirection_merlin  (completed)
37    permissions/01_chmod_x_dir_king_quarter  (completed)
38    permissions/02_chmod_r_file_king_quarter  (completed)
39    permissions/03_chmod_rw_file_dir_throne_room  (completed)
40    finding_files_maze/04_find_2  (completed)
41    finding_files_maze/05_find_xargs_grep  (completed)
42    pipes_merchant_stall/01_pipe_1  (completed)
→ 43    pipes_merchant_stall/02_pipe_2
```

```
~/Castle/Main_building/Library/Merlin_s_office/Drawer
[mission 45] $ history
    1   # START OF COMMANDS HISTORY
    2   cd Stall/
    3   grep -v "PAID" *_s_c_r_o_l_l_* | wc -l
    4   gsh check
    5   gsh reset
    6   grep -v "PAID" *_s_c_r_o_l_l_* | wc -l
    7   gsh check
    8   gsh goal
    9   cd
   10   cd Stall/
   11   cd
   12   find . -type d -name Drower
   13   cd ./Castle/Main_building/
   14   ls
   15   cd Library/
   16   ls
   17   cd Merlin_s_office/Drawer
   18   ls -hl
   19   cat secret_message
   20   cat ~/.gshrc
   21   ls
   22   cat secret_message
   23   tr "j-z" "a-1" < secret_message
   24   tr "j-z" "a-i" < secret_message
   25   tr "a-i" "j-z" < secret_message
   26   ù
   27   echo {a..z}
   28   tr "a-z" "j-za-i" < secret_message
   29   tr "a-z" "k-za-l" < secret_message
   30   tr "a-z" "l-za-m" < secret_message
   31   tr "a-z" "m-za-n" < secret_message
   32   tr "a-z" "n-za-o" < secret_message
   33   gsh check
   34   tr "a-z" "o-za-p" < secret_message
   35   gsh check
   36   gsh goal
   37   history
```