

Gelosa Matteo progetto W8D4

```
[mission 1] $ ls
Castle Forest Garden Mountain Stall
[mission 1] $ cd Castle
[mission 1] $ ls
Cellar Great_hall Main_building Main_tower Observatory
[mission 1] $ cd Main_tower
[mission 1] $ ls
First_floor
[mission 1] $ cd First_floor
[mission 1] $ ls
Second_floor
[mission 1] $ cd Second_floor
[mission 1] $ ls
Top_of_the_tower
[mission 1] $ cd Top_of_the_tower
[mission 1] $ ls
[mission 1] $ gsh check
```

Congratulations, mission 1 has been successfully completed!

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

(o)≡)><ooooooooooooooo>(o)

```
[mission 2] $ pwd
/home/kali/gameshell/World/Castle/Main_tower/First_floor/Second_floor/Top_of_the_tower
[mission 2] $ cd ..
[mission 2] $ ls
Top_of_the_tower
[mission 2] $ cd ..
[mission 2] $ ls
Second_floor
[mission 2] $ cd ..
[mission 2] $ ls
First_Floor
[mission 2] $ cd ..
[mission 2] $ ls
Cellar Great_hall Main_building Main_tower Observatory
[mission 2] $ cd Cellar
[mission 2] $ gsh check
```

Congratulations, mission 2 has been successfully completed!

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

```
| +-----+  
| | Use the command  
| | $ gsh help  
| | to get the list of "gsh" commands.  
| +-----+  
  
[mission 3] $ ls  
Kings_quarter  
[mission 3] $ cd  
[mission 3] $ cd /home/kali/gameshell/World/Castle/Main_building/Throne_room  
[mission 3] $ gsh check  
  
Congratulations, mission 3 has been successfully completed!  
  
Visual Studio Code Well done!!!  
From now on, the current location will be shown just before the command prompt.  
jgs ||--_.@.-@.-@.%-.-o_-.-o_||  
||=[`-.->\U/-.-`-o_|| | | | |
|| '-.]|| || o ||  
|| || || ||  
|| || || ||  
|| || || ||
```

```
nash@kali:~/Castle/Main_building/Throne_room$ cd
~/Castle/Main_building/Throne_room$ pwd
/home/kali/gameshell/World
[mission 4]$ ls
Castle Forest Garden Mountain Stall
~/Forest$ cd Forest
~/Forest$ ls
Home provo
~/Forest$ mkdir Hut
~/Forest$ ls
Hut Code
~/Forest$ cd Hut
~/Forest/Hut$ mkdir Chest
~/Forest/Hut$ ls
Chest
~/Forest/Hut$ cd Chest
~/Forest/Hut/Chest$ gsh check
Congratulations, mission 4 has been successfully completed!
```

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

```
~/Forest/Hut/Chest
[mission 5] $ cd
~ File System
[mission 5] $ ls
Castle Forest Garden Mountain Stall

~ [mission 5] $ cd Castle
~/Castle prova
[mission 5] $ ls
Cellar Great_hall Main_building Main_tower Observatory

~/Castle
[mission 5] $ cd Cellar
~/Castle/Cellar
[mission 5] $ ls
barrel_of_apples bat_1 bat_2 spider_1 spider_2 spider_3

~/Castle/Cellar
[mission 5] $ rm spider_1
~/Castle/Cellar
[mission 5] $ rm spider_2
~/Castle/Cellar
[mission 5] $ rm spider_3
~/Castle/Cellar
[mission 5] $ ls
barrel_of_apples bat_1 bat_2

~/Castle/Cellar
[mission 5] $ gsh check
Congratulations, mission 5 has been successfully completed!
```

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

```
[mission 6] $ ls
Castle Forest Garden Mountain Stall

[mission 6] $ cd Forest
~/Forest
[mission 6] $ ls
Hut

~/Forest
[mission 6] $ cd Hut
~/Forest/Hut
[mission 6] $ ls
Chest

~/Forest/Hut
[mission 6] $ cd Chest
~/Forest/Hut/Chest
[mission 6] $ ls
~/home/kali/gameshell/World/Forest/Hut/Chest

~/Forest/Hut/Chest
[mission 6] $ cd ..
~/Forest/Hut
[mission 6] $ cd ..
~/Forest
[mission 6] $ pwd
~/home/kali/gameshell/World/Forest

~/Forest
[mission 6] $ cd ..

[mission 6] $ ls
Castle Forest Garden Mountain Stall

[mission 6] $ cd Garden
~/Garden
[mission 6] $ ls
coin_1 coin_2 coin_3 Flower_garden Maze Shed

~/Garden
[mission 6] $ mv coin_1 coin_2 coin_3 ~/home/kali/gameshell/World/Forest/Hut/Chest

~/Garden
[mission 6] $ gsh check
Congratulations, mission 6 has been successfully completed!

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

```

|-----|
| (____) |
|-----|
```

```

~/Garden
[mission 7] $ 
Display all 4084 possibilities? (y or n)

~/Garden
[mission 7] $ cd ..

~
[mission 7] $ ls
Castle Forest Garden Mountain Stall

~
[mission 7] $ cd Garden

~/Garden
[mission 7] $ ls -a
. .. .33869_coin_3 .45440_coin_1 .59691_coin_2 Flower_garden Maze Shed

~/Garden
[mission 7] $ mv .33869_coin_3 .45440_coin_1 .59691_coin_1 /home/kali/gameshell/World/Forest/Hut/Chest
mv: cannot stat '.59691_coin_1': No such file or directory

~/Garden
[mission 7] $ ls -A
.59691_coin_2 Flower_garden Maze Shed

~/Garden
[mission 7] $ mv .59691_coin_2 /home/kali/gameshell/World/Forest/Hut/Chest

~/Garden
[mission 7] $ gsh check

Congratulations, mission 7 has been successfully completed!
```

```

|-----|
| (____) |
|-----|
```

```

~/Castle/Cellar
[mission 8] $ ls
10686_spider_36 11086_spider_30 15137_spider_43 19193_spider_14 21096_spider_46 23042_spider_4 26026_spider_4 25870_spider_35 26373_spider_1 27545_spider_49 30931_spider_45 2988_spider_5 301_spider_16 7180_spider_21
11139_spider_37 2257_spider_48 16657_spider_48 19116_spider_18 21056_spider_3 23016_spider_37 24781_spider_12 26011_spider_11 26021_spider_39 27271_spider_24 2901_spider_4 2902_spider_48 3049_spider_2 7420_spider_45
11296_spider_13 1263_spider_9 17903_spider_25 19584_bat_1 22011_spider_17 24910_spider_17 24783_spider_37 26015_spider_33 27085_spider_10 2877_bat_2 2915_spider_31 3285_spider_20 597_bat_4 6340_spider_44
11559_spider_19 12762_spider_29 18846_spider_27 20795_spider_12 22637_spider_22 24233_spider_42 254_bat_5 26081_spider_26 27343_spider_23 2884_spider_36 29842_spider_37 3414_spider_37 6792_spider_41

~/Castle/Cellar
[mission 8] $ rm -f *.spiders
~/Castle/Cellar
[mission 8] $ ls
12537_bat_3 19584_bat_1 254_bat_5 2877_bat_2 597_bat_4
~/Castle/Cellar
[mission 8] $ gsh check

Congratulations, mission 8 has been successfully completed!
```

```

|-----|
| (____) |
|-----|
```

```

~/Castle/Cellar
[mission 9] $ ls -a
11086_spider_5 .11087_spider_28 .10811_spider_3 .10805_spider_39 19084_bat_1 .10998_spider_24 .22308_spider_25 .26154_spider_46 .28098_spider_23 .5128_spider_13 597_bat_4 .6973_spider_37 .7094_spider_22 .93_spider_15
11139_spider_37 .12513_spider_33 .16658_spider_48 .19116_spider_18 .21056_spider_3 .23016_spider_37 .24781_spider_12 .26011_spider_11 .26021_spider_39 .27271_spider_24 .2901_spider_4 .2902_spider_48 .3049_spider_2 .7420_spider_45
11296_spider_13 .1263_spider_9 .17903_spider_25 .19584_bat_1 .22011_spider_17 .24910_spider_17 .24783_spider_37 .26015_spider_33 .27085_spider_10 .2877_bat_2 .2915_spider_31 .3285_spider_20 .597_bat_4 .6340_spider_44
11559_spider_19 .12762_spider_29 .18846_spider_27 .20795_spider_12 .22637_spider_22 .24233_spider_42 .254_bat_5 .26081_spider_26 .27343_spider_23 .2884_spider_36 .29842_spider_37 .3414_spider_37 .6792_spider_41

~/Castle/Cellar
[mission 9] $ find . -type f -name *.spiders* -delete
~/Castle/Cellar
[mission 9] $ ls -a
.22308_bat_3 .16538_bat_5 .17398_bat_1 .19584_bat_1 .19526_bat_2 .254_bat_5 .27305_bat_3 .2877_bat_2 .597_bat_4 .8253_bat_6
~/Castle/Cellar
[mission 9] $ gsh check

Congratulations, mission 9 has been successfully completed!
```

```

|-----|
| (____) |
|-----|
```

KALI
PURPLE

Congratulations!
From now on, the "ls" command will automatically show a "/" character at the end of directories.

```

|-----|
| (____) |
|-----|
```

```

~ [mission 10] $ ls
Castle/ Forest/ Garden/ Mountain/ Stall/

~ [mission 10] $ cd Castle
~/Castle
[mission 10] $ ls
Cellar/ Great_hall/ Main_building/ Main_tower/ Observatory/
~/Castle
[mission 10] $ cd Great_hall
~/Castle/Great_hall
[mission 10] $ ls
25060_decorative_shield 55450_stag_head 63446_suit_of_armour standard_1 standard_2 standard_3 standard_4
~/Castle/Great_hall
[mission 10] $ cp standard_1 standard_2 standard_3 standard_4 /home/kali/gameshell/World/Forest/Hut/Chest
~/Castle/Great_hall
[mission 10] $ gsh check
Code
Congratulations, mission 10 has been successfully completed!

```

```

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

```

~/Castle/Great_hall
[mission 11] $ 
```

```

~/Castle/Great_hall
[mission 11] $ gsh goal
(./)
  Mission goal
  The tapestries in the castle's great hall are also particularly beautiful. Put a copy of each in your chest.
  Useful commands
  cp FILE1 FILE2 ... FILEN DIRECTORY
  Copy the files to the directory.
  Remark: cp is an abbreviation of "copy".
  Shell patterns
  *
  The "*" character stands in for any sequence of characters
  (including an empty sequence).
  ?
  The "?" character stands in for any single character.
(./)

~/Castle/Great_hall
[mission 11] $ cp 29187_tapestry_B7 31452_tapestry_B0 39173_tapestry_B2 4285_tapestry_B9 43248_tapestry_B8 43387_tapestry_B6 44687_tapestry_B1 45187_suit_of_armour 49470_tapestry_B3 52935_tapestry_B8 56422_tapestry_B4 63875_stag_head standard_1 standard_2 standard_3 standard_4
~/Castle/Great_hall
[mission 11] $ cp 29187_tapestry_B7 31452_tapestry_B0 39173_tapestry_B2 4285_tapestry_B9 43248_tapestry_B8 44687_tapestry_B1 49470_tapestry_B3 52935_tapestry_B8 56422_tapestry_B4 /home/kali/gameshell/World/Forest/Hut/Chest
~/Castle/Great_hall
[mission 11] $ gsh check
Code
Congratulations, mission 11 has been successfully completed!

```

```

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

```
~/Castle/Great_hall
[mission 12] $ cd ..
~/Castle
[mission 12] $ ls
Cellar/ Great_hall/ Main_building/ Main_tower/ Observatory/
~/Castle
[mission 12] $ cd Main_tower
~/Castle/Main_tower
[mission 12] $ ls -l
total 4
drwxr-xr-x 3 kali kali 4096 Dec 16 12:34 First_floor/
~/Castle/Main_tower
[mission 12] $ ls
First_floor/
codice
~/Castle/Main_tower
[mission 12] $ cd First_floor
~/Castle/Main_tower/First_floor
[mission 12] $ ls -l
total 16
-rw-r--r-- 1 kali kali 1503 Jun  5  2004 painting_CXZCYgrj
-rw-r--r-- 1 kali kali 1054 Jul  2  1985 painting_unjpQSGS
-rw-r--r-- 1 kali kali 1453 Feb  8  2012 painting_YnvqYOJP
drwxr-xr-x 3 kali kali 4096 Dec 15 14:44 Second_floor/
```

```
File Actions Edit View Help

~/Castle/Main_tower/First_floor
[mission 12] $ ls -l
total 16
-rw-r--r-- 1 kali kali 1055 Dec  9  2012 painting_kbZItXyw
-rw-r--r-- 1 kali kali 1503 Mar 28  1987 painting_KmoUeTAT
-rw-r--r-- 1 kali kali 1454 Nov 18  1996 painting_v0dFfzoa
drwxr-xr-x 3 kali kali 4096 Dec 15 14:44 Second_floor/
~/Castle/Main_tower/First_floor
[mission 12] $ ls -lt
total 16
drwxr-xr-x 3 kali kali 4096 Dec 15 14:44 Second_floor/
-rw-r--r-- 1 kali kali 1055 Dec  9  2012 painting_kbZItXyw
-rw-r--r-- 1 kali kali 1454 Nov 18  1996 painting_v0dFfzoa
-rw-r--r-- 1 kali kali 1503 Mar 28  1987 painting_KmoUeTAT
~/Castle/Main_tower/First_floor
[mission 12] $ cp "$(ls -t | tail -1)" /home/kali/gameshell/World/Forest/Hut/Chest
~/Castle/Main_tower/First_floor
[mission 12] $ gsh check

Congratulations, mission 12 has been successfully completed!
Code
The command 'cal' is required for mission misc/01_cal_nostradamus/init.sh.
(Debian / Ubuntu: install package 'bsdmainutils')
Error: mission 13 is cancelled because some dependencies are not met.

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

~/Castle/Main_tower/First_floor
[mission 14] $ █
```

```
~/Castle/Main_tower/First_floor
[mission 14] $ alias la='ls -A'
~/Castle/Main_tower/First_floor
[mission 14] $ la
.nice_rock  painting_kbZItXyw  painting_KmoUeTAT  painting_v0dFfzoa  Second_floor/
~/Castle/Main_tower/First_floor
[mission 14] $ gsh check
prova
Congratulations, mission 14 has been successfully completed!

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

~/Castle/Main_tower/First_floor
[mission 15] $ █
```

```
[mission 15] $ cd
~
[mission 15] $ ls
Castle/ Forest/ Garden/ Mountain/ Stall/
    codice
~
[mission 15] $ cd Forest
~/Forest
[mission 15] $ ls
Hut/
    cyber
~/Forest
[mission 15] $ cd /Hut
bash: cd: /Hut: No such file or directory

~/Forest
[mission 15] $ ls
Hut/
    prova
~/Forest
[mission 15] $ cd Hut
~/Forest/Hut
[mission 15] $ ls
Chest/
~/Forest/Hut
[mission 15] $ cd Chest
~/Forest/Hut/Chest
[mission 15] $ nano journal.txt
~/Forest/Hut/Chest
[mission 15] $ gsh check
```

Congratulations, mission 15 has been successfully completed!

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

```
-/Forest/Hut/Chest
[mission 16] $ ls
31652_tapestry_05 39173_tapestry_02 4205_tapestry_09 43248_tapestry_06 44607_tapestry_01 49676_tapestry_03 52935_tapestry_08 56422_tapestry_04 coin_1 coin_2 coin_3 painting_KnoleTAT standard_1 standard_2 standard_3 standard_4
-/Forest/Hut/Chest
[mission 16] $ ls -a
. . . . .
31652_tapestry_05 39173_tapestry_02 4205_tapestry_09 43248_tapestry_06 44607_tapestry_01 49676_tapestry_03 52935_tapestry_08 56422_tapestry_04 coin_1 coin_2 coin_3 painting_KnoleTAT standard_1 standard_2 standard_3 standard_4
31652_tapestry_05 39173_tapestry_02 4205_tapestry_09 43248_tapestry_06 44607_tapestry_01 49676_tapestry_03 52935_tapestry_08 56422_tapestry_04 coin_1 coin_2 coin_3 painting_KnoleTAT standard_1 standard_2 standard_3 standard_4
-/Forest/Hut/Chest
[mission 16] $ nano journal.txt
-/Forest/Hut/Chest
[mission 16] $ nano /home/kali/gameshell/World/Forest/Hut/Chest/Journal.txt
-/Forest/Hut/Chest
[mission 16] $ gsh check
Congratulations, mission 16 has been successfully completed!

    Congratulations!
    From now on you can use the file
    "gsh"
    to recall aliases. More information can be found in the file (it has been created for you).

    use the command
    $ gsh help
    to get the list of "gsh" commands.
```

```

-/Castle/Cellar
[mission 17] $ ls
.10120_bat_1 10600_bat_1 16275_bat_2 .24842_bat_4 25277_bat_5 .29011_bat_5 32234_bat_4 .5007_bat_2 5706_bat_3 .7132_bat_3 barrel_of_apples .Lair_of_the_spider_queen BbdRdfGmhxOMWPCO lPnKwicuOrVZxiaoA/
-/Castle/Cellar
[mission 17] $ cd .Lair_of_the_spider_queen\ BbdRdfGmhxOMWPCO lPnKwicuOrVZxiaoA/
-/Castle/Cellar/.Lair_of_the_spider_queen BbdRdfGmhxOMWPCO lPnKwicuOrVZxiaoA/
[mission 17] $ ls
fALWEsiBqiqIPBVX_spider_queen_aZmTYXLGeDDfydtl_WtVVKOPTJgUBQPrJ_baby_bat_gTmGkpOsaeCYxrCX
-/Castle/Cellar/.Lair_of_the_spider_queen BbdRdfGmhxOMWPCO lPnKwicuOrVZxiaoA/
[mission 17] $ rm fALWEsiBqiqIPBVX_spider_queen_aZmTYXLGeDDfydtl_WtVVKOPTJgUBQPrJ_baby_bat_gTmGkpOsaeCYxrCX
-/Castle/Cellar/.Lair_of_the_spider_queen BbdRdfGmhxOMWPCO lPnKwicuOrVZxiaoA/
[mission 17] $ gs
Perfect, it took you only 20 seconds to complete this mission!

Congratulations, mission 17 has been successfully completed!

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



```

[mission 18] $ cd Castle
-/Castle
[mission 18] $ ls
Cellar/ Great_hall/ Main_building/ Main_tower/ Observatory/
-/Castle
[mission 18] $ xeyes
^C

-/Castle
[mission 18] $ gs
There is no 'xeyes' process running.

Sorry, mission 18 hasn't been completed.

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

```

-/Castle
[mission 18] $ xeyes
^C

-/Castle
[mission 18] $ 8xeyes
bash: syntax error near unexpected token `8'

-/Castle
[mission 18] $ xeyes 8
[1] 39887

-/Castle
[mission 18] $ gsh check

Congratulations, mission 18 has been successfully completed!

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

```
~/Garden/Maze/8a62b416bb6235751a2701/36c73e85eb7057fb
[mission 19] $ cd ..
~/Garden/Maze/8a62b416bb6235751a2701
[mission 19] $ cd ..
~/Garden/Maze
[mission 19] $ ls
Sadd87a7bbd0eeac72c3cd47c42c/
~/Garden/Maze
[mission 19] $ cd 5add87a7bbd0eeac72c3cd47c42c/
~/Garden/Maze/5add87a7bbd0eeac72c3cd47c42c
[mission 19] $ ls
763c929f48fbc7d0a0a3/
~/Garden/Maze/5add87a7bbd0eeac72c3cd47c42c/763c929f48fbc7d0a0a3
[mission 19] $ cd 763c929f48fbc7d0a0a3/
~/Garden/Maze/5add87a7bbd0eeac72c3cd47c42c/763c929f48fbc7d0a0a3
[mission 19] $ ls
0ed1009b27029f4f8a/
~/Garden/Maze/5add87a7bbd0eeac72c3cd47c42c/763c929f48fbc7d0a0a3
[mission 19] $ cd 0ed1009b27029f4f8a/
~/Garden/Maze/5add87a7bbd0eeac72c3cd47c42c/763c929f48fbc7d0a0a3
[mission 19] $ ls
00000_copper_coin_00000
~/Garden/Maze/5add87a7bbd0eeac72c3cd47c42c/763c929f48fbc7d0a0a3
[mission 19] $ mv -f 00000_copper_coin_00000 /home/kali1/gameshell/.2/world/Forest/Hut/Chest
~/Garden/Maze/5add87a7bbd0eeac72c3cd47c42c/763c929f48fbc7d0a0a3
[mission 19] $ gsh check
Congratulations, mission 19 has been successfully completed!
```

Congratulations!

From now on, the command ``ls`` will try using a color code to make it easier to differentiate between directories and several kinds of files.



```
./48d5d91ce53faf95862e5daa3da/d4fe94b224f9b6cf5a8692ac/6ca3cf1c9d80e67:  
./48d5d91ce53faf95862e5daa3da/f8076476a7cce21575a48:  
038d38e9cc3d01472102/ 6a21764bb2275f8615f0e/ a14bc836bee8347e567bd/  
./48d5d91ce53faf95862e5daa3da/f8076476a7cce21575a48/038d38e9cc3d01472102:  
./48d5d91ce53faf95862e5daa3da/f8076476a7cce21575a48/6a21764bb2275f8615f0e:  
./48d5d91ce53faf95862e5daa3da/f8076476a7cce21575a48/a14bc836bee8347e567bd:  
.b0cd99babe6799:  
4900e1f80371f8abcecd64d899/ 5b39e05122059aa99/ bf3ec946d2/  
.b0cd99babe6799/4900e1f80371f8abcecd64d899/038ae92b53f334b75:  
.b0cd99babe6799/4900e1f80371f8abcecd64d899/038ae92b53f334b75:  
.b0cd99babe6799/4900e1f80371f8abcecd64d899/07293d99088e5da1:  
00000_silver_coin_00000  
.b0cd99babe6799/4900e1f80371f8abcecd64d899/faed7b9ce1ee88515:  
.b0cd99babe6799/5b39e05122059aa99:  
a8fac0af5/ e1c3753040e031d9ec/ e71f9517d6/  
.b0cd99babe6799/5b39e05122059aa99/a8fac0af5:  
.b0cd99babe6799/5b39e05122059aa99/e1c3753040e031d9ec:  
.b0cd99babe6799/5b39e05122059aa99/e71f9517d6:  
.b0cd99babe6799/bf3ec946d2:  
3f4f03182edf8be/ 5a3448e3fe1e/ 7a6f39adf4985fc/  
.b0cd99babe6799/bf3ec946d2/3f4f03182edf8be:  
.b0cd99babe6799/bf3ec946d2/5a3448e3fe1e:  
.b0cd99babe6799/bf3ec946d2/7a6f39adf4985fc:  
.ec892bc1c4e9873:  
1cea0fa1a99ed2328bc/ 8c9e4850ee9a/ bf90cb0bb907b795f8f754e7879/  
.ec892bc1c4e9873/1cea0fa1a99ed2328bc:  
00ca058f4fd67e4a7aec262a/ b527d60bab51af654c0641d63/ e0b0ec4a/  
.ec892bc1c4e9873/1cea0fa1a99ed2328bc/00ca058f4fd67e4a7aec262a:  
.ec892bc1c4e9873/1cea0fa1a99ed2328bc/b527d60bab51af654c0641d63:  
.ec892bc1c4e9873/1cea0fa1a99ed2328bc/e0b0ec4a:  
.ec892bc1c4e9873/8c9e4850ee9a:  
79d3c6ac2c1514426111d2618d/ d621a746/ f278a5853ae/  
.ec892bc1c4e9873/8c9e4850ee9a/79d3c6ac2c1514426111d2618d:  
.ec892bc1c4e9873/8c9e4850ee9a/d621a746:  
.ec892bc1c4e9873/8c9e4850ee9a/f278a5853ae:  
.ec892bc1c4e9873/bf90cb0bb907b795f8f754e7879:  
64c00c8ca32c7acdccb15/ a5f3c535e95bfeff2176bc57/ ae05301dfcd5d3aa/  
.ec892bc1c4e9873/bf90cb0bb907b795f8f754e7879/64c00c8ca32c7acdccb15:  
.ec892bc1c4e9873/bf90cb0bb907b795f8f754e7879/a5f3c535e95bfeff2176bc57:  
.ec892bc1c4e9873/bf90cb0bb907b795f8f754e7879/ae05301dfcd5d3aa:  
~/Garden/Maze  
[mission 20] $ cd ./b0cd99babe6799/4900e1f80371f8abcecd64d899/07293d99088e5da1:  
█
```

```

a8fac0af5/ e1c3753040e031d9ec/ e71f9517d6/
./b0cd99babe6799/5b39e05122059aa99/a8fac0af5:
./b0cd99babe6799/5b39e05122059aa99/e1c3753040e031d9ec:
./b0cd99babe6799/5b39e05122059aa99/e71f9517d6:
./b0cd99babe6799/bf3ec946d2:
3f4f03182edf8be/ 5a3448e3fe1e/ 7a6f39adf4985fcda:
./b0cd99babe6799/bf3ec946d2/3f4f03182edf8be:
./b0cd99babe6799/bf3ec946d2/5a3448e3fe1e:
./b0cd99babe6799/bf3ec946d2/7a6f39adf4985fcda:
./ec892bc1c4e9873:
1cea0fa1a99ed2328bc/ 8c9e4850ee9a/ bf90cb0bb907b795f8f754e7879/
./ec892bc1c4e9873/1cea0fa1a99ed2328bc:
00ca058f4fd67e4a7aec262a/ b527d60bab51af654c0641d63/ e0b0ec4a/
./ec892bc1c4e9873/1cea0fa1a99ed2328bc/00ca058f4fd67e4a7aec262a:
./ec892bc1c4e9873/1cea0fa1a99ed2328bc/b527d60bab51af654c0641d63:
./ec892bc1c4e9873/1cea0fa1a99ed2328bc/e0b0ec4a:
./ec892bc1c4e9873/8c9e4850ee9a:
79d3c6ac2c1514426111d2618d/ d621a746/ f278a5853ae/
./ec892bc1c4e9873/8c9e4850ee9a/79d3c6ac2c1514426111d2618d:
./ec892bc1c4e9873/8c9e4850ee9a/d621a746:
./ec892bc1c4e9873/8c9e4850ee9a/f278a5853ae:
./ec892bc1c4e9873/bf90cb0bb907b795f8f754e7879:
64c00c8ca32c7acdccb15/ a5f3c535e95bfeff2176bc57/ ae05301dfcd5d3aa/
./ec892bc1c4e9873/bf90cb0bb907b795f8f754e7879/64c00c8ca32c7acdccb15:
./ec892bc1c4e9873/bf90cb0bb907b795f8f754e7879/a5f3c535e95bfeff2176bc57:
./ec892bc1c4e9873/bf90cb0bb907b795f8f754e7879/ae05301dfcd5d3aa:
~/Garden/Maze
[mission 20] $ cd ./b0cd99babe6799/4900e1f80371f8abcecd64d899/07293d99088e5da1

~/Garden/Maze/b0cd99babe6799/4900e1f80371f8abcecd64d899/07293d99088e5da1
[mission 20] $ ls
00000_silver_coin_00000

~/Garden/Maze/b0cd99babe6799/4900e1f80371f8abcecd64d899/07293d99088e5da1
[mission 20] $ mv -f 00000_silver_coin_00000 /home/kali/gameshell.2/World/Forest/Hut/Chest

~/Garden/Maze/b0cd99babe6799/4900e1f80371f8abcecd64d899/07293d99088e5da1
[mission 20] $ gsh check

Congratulations, mission 20 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. |
---+-----+--+

```



```
~/Mountain/Cave
[mission 22] $ ls
Book_of_potions/ servillus

~/Mountain/Cave
[mission 22] $ ls Book_of_potions
page_01 page_02 page_03 page_04 page_05 page_06 page_07 page_08 page_09 page_10 page_11 page_12 page_13 table_of_contents

~/Mountain/Cave
[mission 22] $ cd ..

~/Mountain
[mission 22] $ ls
Cave/
    Home
~/Mountain
[mission 22] $ cd Cave

~/Mountain/Cave
[mission 22] $ cat Book_of_potions/table_of_contents
1. Transformation potion ----- pages 1-2
2. Elixir of youth ----- pages 3-4
3. Philter of love ----- page 5
4. Bottled death (powerful poison) ----- page 6
5. Herbal tea ----- page 7
6. Draft of invisibility ----- pages 7-8
7. Homeopathic healing potion (part 1) ----- pages 8-9
8. Homeopathic healing potion (part 2) ----- page 10
9. Homeopathic healing potion (part 3) ----- page 11
10. Toadstool stew ----- page 12
11. Distilled water ----- page 13
12. King's ale ----- Page 13

~/Mountain/Cave
[mission 22] $ cat Book_of_potions/page_07
Herbal tea
_____
1) Boil water.
2) Add herbs from the forest.
3) Let it sit for five minutes and drink while hot.

Draft of invisibility (instruction in invisible ink)
_____
. . .
_____
~/Mountain/Cave
[mission 22] $ head -n 6 Book_of_potions/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 22] $ gsh check
Congratulations, mission 22 has been successfully completed!

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

```
~/Mountain/Cave
[mission 23] $ cat Book_of_potions/table_of_contents
1. Transformation potion ----- pages 1-2
2. Elixir of youth ----- pages 3-4
3. Philter of love ----- page 5
4. Bottled death (powerful poison) ----- page 6
5. Herbal tea ----- page 7
6. Draft of invisibility ----- pages 7-8
7. Homeopathic healing potion (part 1) ----- pages 8-9
8. Homeopathic healing potion (part 2) ----- page 10
9. Homeopathic healing potion (part 3) ----- page 11
10. Toadstool stew ----- page 12
11. Distilled water ----- page 13
12. King's ale ----- Page 13
```

```
~/Mountain/Cave
[mission 23] $ cat Book_of_potions/page_12
Toadstool stew
```

- 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.

```
codice
~/Mountain/Cave
[mission 23] $ tail -n 9 Book_of_potions/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 23] $ gsh check
```

prova
Congratulations, mission 23 has been successfully completed!

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

```
~/Mountain/Cave
[mission 24] $ █
```

```
~/Mountain/Cave
[mission 24] $ cat Book_of_potions/table_of_contents
1. Transformation potion ----- pages 1-2
2. Elixir of youth ----- pages 3-4
3. Philter of love ----- page 5
4. Bottled death (powerful poison) ----- page 6
5. Herbal tea ----- page 7
6. Draft of invisibility ----- pages 7-8
7. Homeopathic healing potion (part 1) ----- pages 8-9
8. Homeopathic healing potion (part 2) ----- page 10
9. Homeopathic healing potion (part 3) ----- page 11
10. Toadstool stew ----- page 12
11. Distilled water ----- page 13
12. King's ale ----- Page 13

~/Mountain/Cave
[mission 24] $ cat Book_of_potions/page_01 Book_of_potions/page_02
Transformation potion
_____
1) Boil water in a cauldron.
2) Add 3 measures of fluxweed to the cauldron.
3) Add 2 bundles of knotgrass to the cauldron.
4) Stir 4 times, clockwise.
5) Wave your wand then let potion brew for 80 minutes.
6) Add 4 leeches to the cauldron.
7) Crush 2 scoops of lacewing flies to a fine paste.
8) Add 2 measures of the crushed lacewings to the cauldron.
9) Heat for 30 seconds on a low heat.
10) Add 3 measures of boomslang skin to the cauldron.
11) Crush a bicorn horn into a fine powder.
12) Add 1 measure of the crushed horn to the cauldron.
13) Heat for 20 seconds at a high temperature.
14) Wave your wand then let potion brew for 24 hours.
15) Add 1 additional scoop of lacewings to the cauldron.
16) Stir 3 times, counter-clockwise.
17) Split potion into multiple doses, if desired.
18) Add a pieces of the person you wish to become.
19) Wave your wand to complete the potion.

~/Mountain/Cave
[mission 24] $ gsh check
Congratulations, mission 24 has been successfully completed!
prova
| |
+-----+--+
| Use the command | |
| $ gsh help | |
| to get the list of "gsh" commands. | |
+-----+--+
| |

```

```
~/Mountain/Cave
[mission 25] $ █
```

```
|  
|-----+  
| Use the command  
| $ gsh help  
| to get the list of "gsh" commands.  
|-----+  
| cyber  
  
~/Mountain/Cave  
[mission 25] $ cat Book_of_potions/page_03 Book_of_potions/page_04 | tail -n 16  
1) Fill a cauldron with used bath water.  
2) Put a moderately large frog in the water.  
3) Let the preparation rest overnight.  
4) The next morning thank and free your little green friend.  
5) Boil the water and add in a few sticks of oak tree.  
6) Crush 5 river stones to a fine powder.  
7) Mix in a third of the powder and stir vigorously.  
8) Let the preparation rest for a day.  
9) Add hairs from the tail of a squirrel (willingly given).  
10) Add the remaining stone powder.  
11) Stir the potion very vigorously, in all directions.  
12) Take some time to rest after such an effort.  
13) Rest a little bit more.  
14) Even take a nap if you want.  
15) Add a few larch tree needles for seasoning.  
16) Drink the potion from the cauldron.  
  
~/Mountain/Cave  
[mission 25] $ gsh check  
  
Congratulations, mission 25 has been successfully completed!  
  
|  
|-----+  
| Use the command  
| $ gsh help  
| to get the list of "gsh" commands.  
|-----+  
|
```

```
~/Mountain/Cave
[mission 26] $ head -n 6 Book_of_potions/page_13 | tail -n 3
1) Boil water in a big pot.
2) Condense the vapor in a fresh container.
3) Add minerals for a better taste (optional).
```

```
~/Mountain/Cave
[mission 26] $ gsh check
```

```
Congratulations, mission 26 has been successfully completed!
```

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

```
~/Mountain/Cave
[mission 27] $ █
```

```
~/Mountain/Cave
[mission 27] $ 
*#@*
&_**/~
!$-#
^C
Visual Studio
~/Mountain/Cave
[mission 27] $ ps
*#@*
&_**/~
!$-#
codice
 PID TTY      TIME CMD
1420 pts/0    00:00:00 zsh
1541 pts/0    00:00:00 bash
1573 pts/0    00:00:01 bash
83242 pts/0   00:00:00 spell
84665 pts/0   00:00:00 ps
cyber
~/Mountain/Cave
[mission 27] $ 
*#@*
&_**/~
!$-#
PROVA
*#@*
&_**/~
!$-#
*#@*
&_**/~
!$-#
^C
~/Mountain/Cave
[mission 27] $ kill 83242
~/Mountain/Cave
[mission 27] $ gsh check
Congratulations, mission 27 has been successfully completed!
```

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

```
File Actions Edit View Help
*#@*
&_**/~
!$-#
*#0*
&_**/~
!$-#
File System
*#0*
&_**/~
!$-#
Home *#0*
&_**/~
!$-#
Visual Studio
Code
*#0*
&_**/~
!$-#
*#0*
&_**/~
!$-#
cyber
*#0*
&_**/~
!$-#
prova
*#0*
&_**/~
!$-#
^C
~/Mountain/Cave
[mission 28] $
*#0*
&_**/~
!$-#
pkill -9 spell
~/Mountain/Cave
[mission 28] $ gsh check
Congratulations, mission 28 has been successfully completed!
```

```
Trash
File System
Home
Visual Studio Code
codice
cyber
prova

gvfs-udisks2-vo(1274)---{gvfs-mtp-volume}(1351)
gvfs-udisks2-vo(1274)---{gvfs-mtp-volume}(1353)
gvfs-udisks2-vo(1274)---{gvfs-udisks2-vo}(1280)
gvfs-udisks2-vo(1274)---{gvfs-udisks2-vo}(1281)
gvfs-udisks2-vo(1274)---{gvfs-udisks2-vo}(1285)
gvfs-udisks2-vo(1274)---{gvfs-udisks2-vo}(1339)
gvfsd(1046)---gvfsd-trash(1376)---{gvfsd-trash}(1377)
gvfsd(1046)---{gvfsd}(1047)
gvfsd(1046)---{gvfsd}(1048)
gvfsd(1046)---{gvfsd}(1049)
gvfsd-fuse(1052)---{gvfsd-fuse}(1054)
gvfsd-fuse(1052)---{gvfsd-fuse}(1055)
gvfsd-fuse(1052)---{gvfsd-fuse}(1056)
gvfsd-fuse(1052)---{gvfsd-fuse}(1057)
gvfsd-fuse(1052)---{gvfsd-fuse}(1058)
gvfsd-fuse(1052)---{gvfsd-fuse}(1059)
gvfsd-metadata(1384)---{gvfsd-metadata}(1385)
gvfsd-metadata(1384)---{gvfsd-metadata}(1386)
gvfsd-metadata(1384)---{gvfsd-metadata}(1387)
obexd(1397)
pipewire(877)---{pipewire}(885)
pipewire(878)---{pipewire}(886)
pipewire-pulse(880)---{pipewire-pulse}(892)
pipewire-pulse(880)---{pipewire-pulse}(895)
wireplumber(879)---{wireplumber}(896)
wireplumber(879)---{wireplumber}(897)
wireplumber(879)---{wireplumber}(898)
wireplumber(879)---{wireplumber}(905)
wireplumber(879)---{wireplumber}(907)
xfce4-notifyd(1161)---{xfce4-notifyd}(1166)
xfce4-notifyd(1161)---{xfce4-notifyd}(1167)
xfce4-notifyd(1161)---{xfce4-notifyd}(1170)
xfconfd(86815)---{xfconfd}(86816)
xfconfd(86815)---{xfconfd}(86817)
xfconfd(86815)---{xfconfd}(86818)

systemd-journal(311)
systemd-logind(439)
systemd-udevd(357)
udisksd(1287)---{udisksd}(1292)
udisksd(1287)---{udisksd}(1295)
udisksd(1287)---{udisksd}(1297)
udisksd(1287)---{udisksd}(1321)
udisksd(1287)---{udisksd}(1338)
upowerd(1091)---{upowerd}(1093)
upowerd(1091)---{upowerd}(1094)
upowerd(1091)---{upowerd}(1095)
xcape(1223)---{xcape}(1224)

~/Castle/Cellar
[mission 29] $ kill 87620 87623 87625

~/Castle/Cellar
[mission 29] $ rm *coal*
~/Castle/Cellar
[mission 29] $ gsh check

Congratulations, mission 29 has been successfully completed!
```

```
~/Castle/Cellar
[mission 30] $ gsh check
5 + 61 = ?? 66
9 + 31 = ?? 40
13 + 50 = ?? 63
100 + 47 = ?? 147
45 + 91 = ?? 136

Congratulations, mission 30 has been successfully completed!

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



~/Castle/Cellar
[mission 31] $ prova

prova

~/Castle/Cellar
[mission 31] $ cd ..
[mission 31] $ cd ..
[mission 31] $ ls
Cellar Great_Hall Main_Building Main_Tower Observatory
[mission 31] $ cd Great_Hall
ls: cd: Great_Hall: No such file or directory
[mission 31] $ cd Great_Hall
ls: cd: Great_Hall: No such file or directory
[mission 31] $ cd ..
[mission 31] $ ls
Cellar Great_Hall Main_Building Main_Tower Observatory
[mission 31] $ cd Main_Building
ls: cd: Main_Building: No such file or directory
[mission 31] $ ls
Library Thread_Room
Main_Building
[mission 31] $ cd Library
ls: cd: Library: No such file or directory
[mission 31] $ ls
Cellar Great_Hall Main_Building Main_Tower Observatory
[mission 31] $ cd Main_Building
ls: cd: Main_Building: No such file or directory
[mission 31] $ ls
Library Thread_Room
Main_Building
[mission 31] $ cd Main_Building
ls: cd: Main_Building: No such file or directory
[mission 31] $ ls
Mathematics_101 Latin_and_other_sources_Languages Mathematics_101 Merlin_s_office
[mission 31] $ gsh check < Mathematics_101
5 + 76 = ?? 81
9 + 84 = ?? 93
13 + 98 = ?? 111
20 + 73 = ?? 93
23 + 68 = ?? 81
27 + 77 = ?? 104
33 + 63 = ?? 96
35 + 75 = ?? 110
38 + 70 = ?? 108
43 + 58 = ?? 101
46 + 55 = ?? 101
50 + 59 = ?? 109
53 + 67 = ?? 120
56 + 64 = ?? 120
59 + 62 = ?? 121
63 + 55 = ?? 118
66 + 53 = ?? 119
69 + 58 = ?? 127
72 + 57 = ?? 129
75 + 50 = ?? 125
78 + 55 = ?? 133
81 + 48 = ?? 129
84 + 59 = ?? 143
87 + 52 = ?? 139
90 + 45 = ?? 135
93 + 42 = ?? 135
96 + 39 = ?? 135
99 + 36 = ?? 135
102 + 33 = ?? 135
105 + 30 = ?? 135
108 + 27 = ?? 135
111 + 24 = ?? 135
114 + 21 = ?? 135
117 + 18 = ?? 135
120 + 15 = ?? 135
123 + 12 = ?? 135
126 + 9 = ?? 135
129 + 6 = ?? 135
132 + 3 = ?? 135
135 + 0 = ?? 135
138 - 76 = ?? 62
141 - 84 = ?? 57
144 - 98 = ?? 46
147 - 111 = ?? 36
150 - 104 = ?? 46
153 - 93 = ?? 60
156 - 81 = ?? 75
159 - 77 = ?? 82
162 - 68 = ?? 94
165 - 58 = ?? 107
168 - 43 = ?? 125
171 - 33 = ?? 138
174 - 20 = ?? 154
177 - 13 = ?? 164
180 - 6 = ?? 174
183 - 0 = ?? 183
186 - 101 = ?? 85
189 - 91 = ?? 98
192 - 81 = ?? 111
195 - 71 = ?? 124
198 - 61 = ?? 137
201 - 51 = ?? 150
204 - 41 = ?? 163
207 - 31 = ?? 176
210 - 21 = ?? 189
213 - 11 = ?? 202
216 - 0 = ?? 216
219 - 109 = ?? 110
222 - 99 = ?? 123
225 - 89 = ?? 136
228 - 79 = ?? 150
231 - 69 = ?? 162
234 - 59 = ?? 175
237 - 49 = ?? 186
240 - 39 = ?? 197
243 - 29 = ?? 212
246 - 19 = ?? 237
249 - 9 = ?? 258
252 - 0 = ?? 252
255 - 101 = ?? 154
258 - 91 = ?? 167
261 - 81 = ?? 180
264 - 71 = ?? 193
267 - 61 = ?? 204
270 - 51 = ?? 215
273 - 41 = ?? 226
276 - 31 = ?? 237
279 - 21 = ?? 249
282 - 11 = ?? 263
285 - 0 = ?? 285
288 - 109 = ?? 179
291 - 99 = ?? 192
294 - 89 = ?? 203
297 - 79 = ?? 216
230 - 60 = ?? 170
233 - 50 = ?? 183
236 - 40 = ?? 196
239 - 30 = ?? 209
242 - 20 = ?? 222
245 - 10 = ?? 235
248 - 0 = ?? 248
251 - 101 = ?? 150
254 - 91 = ?? 164
257 - 81 = ?? 177
260 - 71 = ?? 187
263 - 61 = ?? 198
266 - 51 = ?? 209
269 - 41 = ?? 220
272 - 31 = ?? 233
275 - 21 = ?? 245
278 - 11 = ?? 258
281 - 0 = ?? 281
284 - 109 = ?? 175
287 - 99 = ?? 192
290 - 89 = ?? 201
293 - 79 = ?? 212
296 - 69 = ?? 223
299 - 59 = ?? 235
302 - 49 = ?? 247
305 - 39 = ?? 258
308 - 29 = ?? 271
311 - 19 = ?? 282
314 - 9 = ?? 293
317 - 0 = ?? 317
320 - 101 = ?? 120
323 - 91 = ?? 132
326 - 81 = ?? 143
329 - 71 = ?? 154
332 - 61 = ?? 165
335 - 51 = ?? 176
338 - 41 = ?? 187
341 - 31 = ?? 198
344 - 21 = ?? 211
347 - 11 = ?? 222
350 - 0 = ?? 350
353 - 109 = ?? 147
356 - 99 = ?? 156
359 - 89 = ?? 168
362 - 79 = ?? 181
365 - 69 = ?? 192
368 - 59 = ?? 203
371 - 49 = ?? 214
374 - 39 = ?? 225
377 - 29 = ?? 238
380 - 19 = ?? 251
383 - 9 = ?? 262
386 - 0 = ?? 386
389 - 109 = ?? 177
392 - 99 = ?? 188
395 - 89 = ?? 200
398 - 79 = ?? 211
401 - 69 = ?? 222
404 - 59 = ?? 233
407 - 49 = ?? 244
410 - 39 = ?? 255
413 - 29 = ?? 268
416 - 19 = ?? 281
419 - 9 = ?? 292
422 - 0 = ?? 422
425 - 101 = ?? 126
428 - 91 = ?? 137
431 - 81 = ?? 148
434 - 71 = ?? 159
437 - 61 = ?? 170
440 - 51 = ?? 181
443 - 41 = ?? 192
446 - 31 = ?? 203
449 - 21 = ?? 214
452 - 11 = ?? 225
455 - 0 = ?? 455
458 - 109 = ?? 173
461 - 99 = ?? 184
464 - 89 = ?? 195
467 - 79 = ?? 206
470 - 69 = ?? 217
473 - 59 = ?? 228
476 - 49 = ?? 239
479 - 39 = ?? 250
482 - 29 = ?? 261
485 - 19 = ?? 272
488 - 9 = ?? 289
491 - 0 = ?? 491
494 - 109 = ?? 171
497 - 99 = ?? 182
500 - 89 = ?? 201
503 - 79 = ?? 212
506 - 69 = ?? 223
509 - 59 = ?? 234
512 - 49 = ?? 245
515 - 39 = ?? 256
518 - 29 = ?? 269
521 - 19 = ?? 280
524 - 9 = ?? 291
527 - 0 = ?? 527
530 - 101 = ?? 121
533 - 91 = ?? 132
536 - 81 = ?? 143
539 - 71 = ?? 154
542 - 61 = ?? 165
545 - 51 = ?? 176
548 - 41 = ?? 187
551 - 31 = ?? 198
554 - 21 = ?? 211
557 - 11 = ?? 222
560 - 0 = ?? 560
563 - 109 = ?? 177
566 - 99 = ?? 188
569 - 89 = ?? 200
572 - 79 = ?? 211
575 - 69 = ?? 222
578 - 59 = ?? 233
581 - 49 = ?? 244
584 - 39 = ?? 255
587 - 29 = ?? 268
590 - 19 = ?? 281
593 - 9 = ?? 292
596 - 0 = ?? 596
599 - 101 = ?? 126
602 - 91 = ?? 137
605 - 81 = ?? 148
608 - 71 = ?? 159
611 - 61 = ?? 170
614 - 51 = ?? 181
617 - 41 = ?? 192
620 - 31 = ?? 203
623 - 21 = ?? 214
626 - 11 = ?? 225
629 - 0 = ?? 629
632 - 109 = ?? 173
635 - 99 = ?? 184
638 - 89 = ?? 201
641 - 79 = ?? 212
644 - 69 = ?? 223
647 - 59 = ?? 234
650 - 49 = ?? 245
653 - 39 = ?? 256
656 - 29 = ?? 267
659 - 19 = ?? 278
662 - 9 = ?? 289
665 - 0 = ?? 665
668 - 101 = ?? 121
671 - 91 = ?? 132
674 - 81 = ?? 143
677 - 71 = ?? 154
680 - 61 = ?? 165
683 - 51 = ?? 176
686 - 41 = ?? 187
689 - 31 = ?? 198
692 - 21 = ?? 211
695 - 11 = ?? 222
698 - 0 = ?? 698
699 - 109 = ?? 177
701 - 99 = ?? 188
703 - 89 = ?? 200
705 - 79 = ?? 211
707 - 69 = ?? 222
709 - 59 = ?? 233
711 - 49 = ?? 244
713 - 39 = ?? 255
715 - 29 = ?? 266
717 - 19 = ?? 278
719 - 9 = ?? 289
721 - 0 = ?? 721
724 - 101 = ?? 126
727 - 91 = ?? 137
730 - 81 = ?? 148
733 - 71 = ?? 159
736 - 61 = ?? 170
739 - 51 = ?? 181
742 - 41 = ?? 192
745 - 31 = ?? 203
748 - 21 = ?? 214
751 - 11 = ?? 225
754 - 0 = ?? 754
757 - 109 = ?? 173
759 - 99 = ?? 184
762 - 89 = ?? 201
764 - 79 = ?? 212
767 - 69 = ?? 223
769 - 59 = ?? 234
771 - 49 = ?? 245
774 - 39 = ?? 256
777 - 29 = ?? 267
779 - 19 = ?? 278
781 - 9 = ?? 289
783 - 0 = ?? 783
786 - 101 = ?? 121
789 - 91 = ?? 132
792 - 81 = ?? 143
795 - 71 = ?? 154
798 - 61 = ?? 165
801 - 51 = ?? 176
804 - 41 = ?? 187
807 - 31 = ?? 198
809 - 21 = ?? 211
811 - 11 = ?? 222
813 - 0 = ?? 813
816 - 109 = ?? 177
818 - 99 = ?? 188
820 - 89 = ?? 200
822 - 79 = ?? 211
824 - 69 = ?? 222
826 - 59 = ?? 233
828 - 49 = ?? 244
830 - 39 = ?? 255
832 - 29 = ?? 266
834 - 19 = ?? 278
836 - 9 = ?? 289
838 - 0 = ?? 838
841 - 101 = ?? 126
844 - 91 = ?? 137
847 - 81 = ?? 148
850 - 71 = ?? 159
853 - 61 = ?? 170
856 - 51 = ?? 181
859 - 41 = ?? 192
862 - 31 = ?? 203
865 - 21 = ?? 214
868 - 11 = ?? 225
870 - 0 = ?? 870
873 - 109 = ?? 177
875 - 99 = ?? 188
877 - 89 = ?? 200
879 - 79 = ?? 211
881 - 69 = ?? 222
883 - 59 = ?? 233
885 - 49 = ?? 244
887 - 39 = ?? 255
889 - 29 = ?? 266
891 - 19 = ?? 278
893 - 9 = ?? 289
895 - 0 = ?? 895
898 - 101 = ?? 121
901 - 91 = ?? 132
904 - 81 = ?? 143
907 - 71 = ?? 154
910 - 61 = ?? 165
913 - 51 = ?? 176
916 - 41 = ?? 187
918 - 31 = ?? 198
920 - 21 = ?? 211
922 - 11 = ?? 222
924 - 0 = ?? 924
927 - 109 = ?? 177
929 - 99 = ?? 188
931 - 89 = ?? 200
933 - 79 = ?? 211
935 - 69 = ?? 222
937 - 59 = ?? 233
939 - 49 = ?? 244
941 - 39 = ?? 255
943 - 29 = ?? 266
945 - 19 = ?? 278
947 - 9 = ?? 289
949 - 0 = ?? 949
952 - 101 = ?? 121
955 - 91 = ?? 132
958 - 81 = ?? 143
961 - 71 = ?? 154
964 - 61 = ?? 165
967 - 51 = ?? 176
970 - 41 = ?? 187
972 - 31 = ?? 198
974 - 21 = ?? 211
976 - 11 = ?? 222
978 - 0 = ?? 978
981 - 109 = ?? 177
983 - 99 = ?? 188
985 - 89 = ?? 200
987 - 79 = ?? 211
989 - 69 = ?? 222
991 - 59 = ?? 233
993 - 49 = ?? 244
995 - 39 = ?? 255
997 - 29 = ?? 266
999 - 19 = ?? 278
991 - 9 = ?? 289
993 - 0 = ?? 993
996 - 101 = ?? 121
999 - 91 = ?? 132
998 - 81 = ?? 143
997 - 71 = ?? 154
996 - 61 = ?? 165
995 - 51 = ?? 176
994 - 41 = ?? 187
993 - 31 = ?? 198
992 - 21 = ?? 211
991 - 11 = ?? 222
990 - 0 = ?? 990
989 - 109 = ?? 177
988 - 99 = ?? 188
987 - 89 = ?? 200
986 - 79 = ?? 211
985 - 69 = ?? 222
984 - 59 = ?? 233
983 - 49 = ?? 244
982 - 39 = ?? 255
981 - 29 = ?? 266
980 - 19 = ?? 278
979 - 9 = ?? 289
978 - 0 = ?? 978
977 - 101 = ?? 121
976 - 91 = ?? 132
975 - 81 = ?? 143
974 - 71 = ?? 154
973 - 61 = ?? 165
972 - 51 = ?? 176
971 - 41 = ?? 187
970 - 31 = ?? 198
969 - 21 = ?? 211
968 - 11 = ?? 222
967 - 0 = ?? 967
966 - 109 = ?? 177
965 - 99 = ?? 188
964 - 89 = ?? 200
963 - 79 = ?? 211
962 - 69 = ?? 222
961 - 59 = ?? 233
960 - 49 = ?? 244
959 - 39 = ?? 255
958 - 29 = ?? 266
957 - 19 = ?? 278
956 - 9 = ?? 289
955 - 0 = ?? 955
954 - 101 = ?? 121
953 - 91 = ?? 132
952 - 81 = ?? 143
951 - 71 = ?? 154
950 - 61 = ?? 165
949 - 51 = ?? 176
948 - 41 = ?? 187
947 - 31 = ?? 198
946 - 21 = ?? 211
945 - 11 = ?? 222
944 - 0 = ?? 944
943 - 109 = ?? 177
942 - 99 = ?? 188
941 - 89 = ?? 200
940 - 79 = ?? 211
939 - 69 = ?? 222
938 - 59 = ?? 233
937 - 49 = ?? 244
936 - 39 = ?? 255
935 - 29 = ?? 266
934 - 19 = ?? 278
933 - 9 = ?? 289
932 - 0 = ?? 932
931 - 101 = ?? 121
930 - 91 = ?? 132
929 - 81 = ?? 143
928 - 71 = ?? 154
927 - 61 = ?? 165
926 - 51 = ?? 176
925 - 41 = ?? 187
924 - 31 = ?? 198
923 - 21 = ?? 211
922 - 11 = ?? 222
921 - 0 = ?? 921
920 - 109 = ?? 177
919 - 99 = ?? 188
918 - 89 = ?? 200
917 - 79 = ?? 211
916 - 69 = ?? 222
915 - 59 = ?? 233
914 - 49 = ?? 244
913 - 39 = ?? 255
912 - 29 = ?? 266
911 - 19 = ?? 278
910 - 9 = ?? 289
909 - 0 = ?? 909
908 - 101 = ?? 121
907 - 91 = ?? 132
906 - 81 = ?? 143
905 - 71 = ?? 154
904 - 61 = ?? 165
903 - 51 = ?? 176
902 - 41 = ?? 187
901 - 31 = ?? 198
900 - 21 = ?? 211
899 - 11 = ?? 222
898 - 0 = ?? 898
897 - 109 = ?? 177
896 - 99 = ?? 188
895 - 89 = ?? 200
894 - 79 = ?? 211
893 - 69 = ?? 222
892 - 59 = ?? 233
891 - 49 = ?? 244
890 - 39 = ?? 255
889 - 29 = ?? 266
888 - 19 = ?? 278
887 - 9 = ?? 289
886 - 0 = ?? 886
885 - 101 = ?? 121
884 - 91 = ?? 132
883 - 81 = ?? 143
882 - 71 = ?? 154
881 - 61 = ?? 165
880 - 51 = ?? 176
879 - 41 = ?? 187
878 - 31 = ?? 198
877 - 21 = ?? 211
876 - 11 = ?? 222
875 - 0 = ?? 875
874 - 109 = ?? 177
873 - 99 = ?? 188
872 - 89 = ?? 200
871 - 79 = ?? 211
870 - 69 = ?? 222
869 - 59 = ?? 233
868 - 49 = ?? 244
867 - 39 = ?? 255
866 - 29 = ?? 266
865 - 19 = ?? 278
864 - 9 = ?? 289
863 - 0 = ?? 863
862 - 101 = ?? 121
861 - 91 = ?? 132
860 - 81 = ?? 143
859 - 71 = ?? 154
858 - 61 = ?? 165
857 - 51 = ?? 176
856 - 41 = ?? 187
855 - 31 = ?? 198
854 - 21 = ?? 211
853 - 11 = ?? 222
852 - 0 = ?? 852
851 - 109 = ?? 177
850 - 99 = ?? 188
849 - 89 = ?? 200
848 - 79 = ?? 211
847 - 69 = ?? 222
846 - 59 = ?? 233
845 - 49 = ?? 244
844 - 39 = ?? 255
843 - 29 = ?? 266
842 - 19 = ?? 278
841 - 9 = ?? 289
840 - 0 = ?? 840
839 - 101 = ?? 121
838 - 91 = ?? 132
837 - 81 = ?? 143
836 - 71 = ?? 154
835 - 61 = ?? 165
834 - 51 = ?? 176
833 - 41 = ?? 187
832 - 31 = ?? 198
831 - 21 = ?? 211
830 - 11 = ?? 222
829 - 0 = ?? 829
828 - 109 = ?? 177
827 - 99 = ?? 188
826 - 89 = ?? 200
825 - 79 = ?? 211
824 - 69 = ?? 222
823 - 59 = ?? 233
822 - 49 = ?? 244
821 - 39 = ?? 255
820 - 29 = ?? 266
819 - 19 = ?? 278
818 - 9 = ?? 289
817 - 0 = ?? 817
816 - 101 = ?? 121
815 - 91 = ?? 132
814 - 81 = ?? 143
813 - 71 = ?? 154
812 - 61 = ?? 165
811 - 51 = ?? 176
810 - 41 = ?? 187
809 - 31 = ?? 198
808 - 21 = ?? 211
807 - 11 = ?? 222
806 - 0 = ?? 806
805 - 109 = ?? 177
804 - 99 = ?? 188
803 - 89 = ?? 200
802 - 79 = ?? 211
801 - 69 = ?? 222
800 - 59 = ?? 233
801 - 49 = ?? 244
802 - 39 = ?? 255
803 - 29 = ?? 266
804 - 19 = ?? 278
805 - 9 = ?? 289
806 - 0 = ?? 806
807 - 101 = ?? 121
808 - 91 = ?? 132
809 - 81 = ?? 143
810 - 71 = ?? 154
811 - 61 = ?? 165
812 - 51 = ?? 176
813 - 41 = ?? 187
814 - 31 = ?? 198
815 - 21 = ?? 211
816 - 11 = ?? 222
817 - 0 = ?? 817
818 - 109 = ?? 177
819 - 99 = ?? 188
820 - 89 = ?? 200
821 - 79 = ?? 211
822 - 69 = ?? 222
823 - 59 = ?? 233
824 - 49 = ?? 244
825 - 39 = ?? 255
826 - 29 = ?? 266
827 - 19 = ?? 278
828 - 9 = ?? 289
829 - 0 = ?? 829
830 - 101 = ?? 121
831 - 91 = ?? 132
832 - 81 = ?? 143
833 - 71 = ?? 154
834 - 61 = ?? 165
835 - 51 = ?? 176
836 - 41 = ?? 187
837 - 31 = ?? 198
838 - 21 = ?? 211
839 - 11 = ?? 222
840 - 0 = ?? 840
841 - 109 = ?? 177
842 - 99 = ?? 188
843 - 89 = ?? 200
844 - 79 = ?? 211
845 - 69 = ?? 222
846 - 59 = ?? 233
847 - 49 = ?? 244
848 - 39 = ?? 255
849 - 29 = ?? 266
850 - 19 = ?? 278
851 - 9 = ?? 289
852 - 0 = ?? 852
853 - 101 = ?? 121
854 - 91 = ?? 132
855 - 81 = ?? 143
856 - 71 = ?? 154
857 - 61 = ?? 165
858 - 51 = ?? 176
859 - 41 = ?? 187
860 - 31 = ?? 198
861 - 21 = ?? 211
862 - 11 = ?? 222
863 - 0 = ?? 863
864 - 109 = ?? 177
865 - 99 = ?? 188
866 - 89 = ?? 200
867 - 79 = ?? 211
868 - 69 = ?? 222
869 - 59 = ?? 233
870 - 49 = ?? 244
871 - 39 = ?? 255
872 - 29 = ?? 266
873 - 19 = ?? 278
874 - 9 = ?? 289
875 - 0 = ?? 875
876 - 101 = ?? 121
877 - 91 = ?? 132
878 - 81 = ?? 143
879 - 71 = ?? 154
880 - 61 = ?? 165
881 - 51 = ?? 176
882 - 41 = ?? 187
883 - 31 = ?? 198
884 - 21 = ?? 211
885 - 11 = ?? 222
886 - 0 = ?? 886
887 - 109 = ?? 177
888 - 99 = ?? 188
889 - 89 = ?? 200
890 - 79 = ?? 211
891 - 69 = ?? 222
892 - 59 = ?? 233
893 - 49 = ?? 244
894 - 39 = ?? 255
895 - 29 = ?? 266
896 - 19 = ?? 278
897 - 9 = ?? 289
898 - 0 = ?? 898
899 - 101 = ?? 121
890 - 91 = ?? 132
891 - 81 = ?? 143
892 - 71 = ?? 154
893 - 61 = ?? 165
894 - 51 = ?? 176
895 - 41 = ?? 187
896 - 31 = ?? 198
897 - 21 = ?? 211
898 - 11 = ?? 222
899 - 0 = ?? 899
890 - 109 = ?? 177
891 - 99 = ?? 188
892 - 89 = ?? 200
893 - 79 = ?? 211
894 - 69 = ?? 222
895 - 59 = ?? 233
896 - 49 = ?? 244
897 - 39 = ?? 255
898 - 29 = ?? 266
899 - 19 = ?? 278
900 - 9 = ?? 289
901 - 0 = ?? 901
902 - 101 = ?? 121
903 - 91 = ?? 132
904 - 81 = ?? 143
905 - 71 = ?? 154
906 - 61 = ?? 165
907 - 51 = ?? 176
908 - 41 = ?? 187
909 - 31 = ?? 198
910 - 21 = ?? 211
911 - 11 = ?? 222
912 - 0 = ?? 912
913 - 109 = ?? 177
914 - 99 = ?? 188
915 - 89 = ?? 200
916 - 79 = ?? 211
917 - 69 = ?? 222
918 - 59 = ?? 233
919 - 49 = ?? 244
920 - 39 = ?? 255
921 - 29 = ?? 266
922 - 19 = ?? 278
923 - 9 = ?? 289
924 - 0 = ?? 924
925 - 101 = ?? 121
926 - 91 = ?? 132
927 - 81 = ?? 143
928 - 71 = ?? 154
929 - 61 = ?? 165
930 - 51 = ?? 176
931 - 41 = ?? 187
932 - 31 = ?? 198
933 - 21 = ?? 211
934 - 11 = ?? 222
935 - 0 = ?? 935
936 - 109 = ?? 177
937 - 99 = ?? 188
938 - 89 = ?? 200
939 - 79 = ?? 211
940 - 69 = ?? 222
941 - 59 = ?? 233
942 - 49 = ?? 244
943 - 39 = ?? 255
944 - 29 = ?? 266
945 - 19 = ?? 278
946 - 9 = ?? 289
947 - 0 = ?? 947
948 - 101 = ?? 121
949 - 91 = ?? 132
950 - 81 = ?? 143
951 - 71 = ?? 154
952 - 61 = ?? 165
953 - 51 = ?? 176
954 - 41 = ?? 187
955 - 31 = ?? 198
956 - 21 = ?? 211
957 - 11 = ?? 222
958 - 0 = ?? 958
959 - 109 = ?? 177
960 - 99 = ?? 188
961 - 89 = ?? 200
962 - 79 = ?? 211
963 - 69 = ?? 222
964 - 59 = ?? 233
965 - 49 = ?? 244
966 - 39 = ?? 255
967 - 29 = ?? 266
968 - 19 = ?? 278
969 - 9 = ?? 289
970 - 0 = ??
```

```
~/Castle/Main_building/Library/Merlin_s_office
[mission 33] $ grep -i -l "gsh" *grimoire* < /dev/null
grep: grimoire_AdYdqZlQCTBrLEEbRyeF: Permission denied
grep: grimoire_aSfFFFguHhsCdqmYLcYGDki: Permission denied
grep: grimoire_AXpEllTpsbwBWGuXxQaxDxJyW
grep: grimoire_BEWpjiTqChQwIOKn: Permission denied
grep: grimoire_bkNydwDEhAKNOuBV: Permission denied
grep: grimoire_cckoczewNEZWpfyhLpWfQuko: Permission denied
grep: grimoire_cHPQxiTGvRAerMqPXuAFxC: Permission denied
grep: grimoire_DQUfqUEOGgykxLctobhtqD: Permission denied
grep: grimoire_DSVjIGJClEaqvkgKTYFCrFFk: Permission denied
grep: grimoire_EexUxsXvSXSOwFoJCs nzHjMu: Permission denied
```

```
grep: grimoire_ypAQZvrxqpQXxUkvMEtdItVfw: Permission denied
grimoire_YZBmuEfBCtFnhRefApxTaaFRBnyPzB
grep: grimoire_zBBCxMnUEDdHDlrGSrQGuHMEAeCFGm: Permission denied
grep: grimoire_zBQDRppOgQoMLOfOMjiOSxdwxbR: Permission denied
grimoire_zzdrREnTEDzLEAfLhXIefy

~/Castle/Main_building/Library/Merlin_s_office
[mission 33] $ gsh check
grep: grimoire_ADYdqZlQCTBrLEEbRyeF: Permission denied
grep: grimoire_aSFFFguoHhsCdqmYLCYGDki: Permission denied
grep: grimoire_BEWpjiTqChQwIOKn: Permission denied
grep: grimoire_bkNydwDEhAKNOuBV: Permission denied
grep: grimoire_cckoczewNEZwpfyhLpWFQuko: Permission denied
grep: grimoire_cHPQxiTGvrAerMqPXuAFxC: Permission denied
grep: grimoire_DQUfqUEOGgykxLctobhtqD: Permission denied
grep: grimoire_DSVjIGJClEaqvkgKTYFCrfFk: Permission denied
grep: grimoire_EexUxsXvSXSOwFoJCsnzHjMu: Permission denied
grep: grimoire_ezOwzAAvhEyZf: Permission denied
grep: grimoire_FgOpVtUZnRjwkqpzixwthYppqQKV: Permission denied
grep: grimoire_ghdStSTzws: Permission denied
grep: grimoire_GPNdTFuQ: Permission denied
grep: grimoire_HhoVawYpoRPeB: Permission denied
grep: grimoire_HWZTsgbfhqMtuBPWjdiJFFsnpXTjF: Permission denied
grep: grimoire_hZKoiIoTY: Permission denied
grep: grimoire_IgIVIVmO: Permission denied
grep: grimoire_IWpmhwaAKUAapbKMBvgoorGANFayFH: Permission denied
grep: grimoire_JdmaATjqmIRCATlx: Permission denied
grep: grimoire_KWbwgiFFwwgcFIVYYpmkZqjpQBj: Permission denied
grep: grimoire_LMzyYwYY: Permission denied
grep: grimoire_McroiXAJ: Permission denied
grep: grimoire_naRzftLLKmcPAHRQhIdkafYqJyQzFTK: Permission denied
grep: grimoire_nxoGWoeEOpxXBUEkw: Permission denied
grep: grimoire_OtzeeQebmFgtwPGLoAdHFtxKV: Permission denied
grep: grimoire_pAntYlqRkTEYbJUKWJloRYdTESr: Permission denied
grep: grimoire_qeBBlvjmT: Permission denied
grep: grimoire_qGDMzRAfpFLOSmDsugDWmBzrXWJO: Permission denied
grep: grimoire_QTsjqUagMae: Permission denied
grep: grimoire_rjMISETYjGOSGeVhenddX: Permission denied
grep: grimoire_rzQwnSpPadPKyuhlXtVuiYJKtSuCi: Permission denied
grep: grimoire_SstmwIDypZaTUjElZe: Permission denied
grep: grimoire_tenQvTsSFJxvAHSkAyPkdvzvpIvBFg: Permission denied
grep: grimoire_tIFgvitULDBLMbBf: Permission denied
grep: grimoire_tQypjKRzEZhpwTbBaxOBaEmL: Permission denied
grep: grimoire_TUelmmNvjnxHmk: Permission denied
grep: grimoire_UGCLnuokjnQQKHKjrcKMgT: Permission denied
grep: grimoire_UmdWAcXqFuRNLebQaLBDUPIROULt: Permission denied
grep: grimoire_uMsJLJsMYgJeveJhUuYbhuc: Permission denied
grep: grimoire_UWDRHWiszXQSjzrfO: Permission denied
grep: grimoire_VAqWTBrvDuYjuJKosMzgFVbbzBYx: Permission denied
grep: grimoire_VoOOTeOu: Permission denied
grep: grimoire_WIoFWRyJlpqnRaGwMVEEPrqszJmlXq: Permission denied
grep: grimoire_wxtaEyQzSdq: Permission denied
grep: grimoire_wZrPDVkJSrRP: Permission denied
grep: grimoire_xoQhsMkQfb: Permission denied
grep: grimoire_XrEzlATUhLQmmZUVxWvEhKovVvlFCHD: Permission denied
grep: grimoire_xVlXBkgPqxIxzzgWocvHTAf: Permission denied
grep: grimoire_YCBbHNCAPcmTadWr: Permission denied
grep: grimoire_YCchTYBqGonH: Permission denied
grep: grimoire_ypAQZvrxqpQXxUkvMEtdItVfw: Permission denied
grep: grimoire_zBBCxMnUEDdHDlrGSrQGuHMEAeCFGm: Permission denied
grep: grimoire_zBQDRppOgQoMLOfOMjiOSxdwxbR: Permission denied
```

Congratulations, mission 33 has been successfully completed!

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

```
~/Castle/Main_building/Library/Merlin_s_office
[mission 34] $ cd ..
~/Castle/Main_building/Library
[mission 34] $ cd ..
~/Castle/Main_building
[mission 34] $ ls
library/ Throne_room/
~/Castle/Main_building
[mission 34] $ cd ..
~/Castle
[mission 34] $ ls
Cellar/ Great_hall/ Main_building/ Main_tower/ Observatory/
~/Castle
[mission 34] $ cd Observatory
~/Castle/Observatory
[mission 34] $ ls
merlin_star_chart
~/Castle/Observatory
[mission 34] $ ./merlin > merlin_std_output.txt
#AYOGjC0XKGROv0FxkoEgslqyxIlsAryjCuuSjWStbpGAKIZCEyVCDAMTCBuG1NYPnEBuowc)DotfRjSjMvuWkyBUMtzlRXidJbbK1RtGbFFMbgFGKRlaaxpjLZpAMogRZkvHxDjejynsCWPj1WkCCMvhTxgXwKOwIMENXIsFuSZtEaFSTKyYkhzgIhJL5jlvtudUS
~/Castle/Observatory
[mission 34] $ ./merlin > merlin_std_output.txt
THESECRETKEYISONSTDERR
~/Castle/Observatory
[mission 34] $ ./merlin 2> merlin_std_error.txt
THESECRETKEYISONSTDERR
~/Castle/Observatory
[mission 34] $ cat merlin_std_error.txt
#AYOGjC0XKGROv0FxkoEgslqyxIlsAryjCuuSjWStbpGAKIZCEyVCDAMTCBuG1NYPnEBuowc)DotfRjSjMvuWkyBUMtzlRXidJbbK1RtGbFFMbgFGKRlaaxpjLZpAMogRZkvHxDjejynsCWPj1WkCCMvhTxgXwKOwIMENXIsFuSZtEaFSTKyYkhzgIhJL5jlvtudUS
~/Castle/Observatory
[mission 34] $ gsh check < merlin_std_error.txt
What is the secret key?
Congratulations, mission 34 has been successfully completed!
|_
| Use the command
| $ gsh help
| to get the list of "gsh" commands.
+-
```

```
~/Castle/Observatory
[mission 35] $ cd ..

~/Castle
[mission 35] $ ls
Cellar/ Great_hall/ Main_building/ Main_tower/ Observatory/

~/Castle
[mission 35] $ cd Main_building

~/Castle/Main_building
[mission 35] $ ls
Library/ Throne_room/

~/Castle/Main_building
[mission 35] $ cd Throne_room

~/Castle/Main_building/Throne_room
[mission 35] $ ls
Kings_quarter/

~/Castle/Main_building/Throne_room
[mission 35] $ cd Kings_quarter
bash: cd: Kings_quarter: Permission denied

~/Castle/Main_building/Throne_room
[mission 35] $ ls -l
total 4
drw-r--r-- 2 kali kali 4096 Dec 16 15:20 Kings_quarter/

~/Castle/Main_building/Throne_room
[mission 35] $ chmod 777 Kings_quarter/
~/Castle/Main_building/Throne_room
[mission 35] $ cd Kings_quarter

~/Castle/Main_building/Throne_room/Kings_quarter
[mission 35] $ gsh check
```

Congratulations, mission 35 has been successfully completed!

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

```
| |  
  
~/Castle/Main_building/Throne_room/Kings_quarter  
[mission 36] $ ls -la  
total 16  
drwxrwxrwx 2 kali kali 4096 Dec 17 08:39 ./  
drwxr-xr-x 3 kali kali 4096 Dec 16 15:20 ../  
-rw-r--r-- 1 kali kali    11 Dec 17 08:39 note  
--w----- 1 kali kali    11 Dec 17 08:39 .secret_note  
  
~/Castle/Main_building/Throne_room/Kings_quarter  
[mission 36] $ chmod 777 .secret_note  
  
~/Castle/Main_building/Throne_room/Kings_quarter  
[mission 36] $ cat .secret_note  
1472422295  
  
~/Castle/Main_building/Throne_room/Kings_quarter  
[mission 36] $ gsh check  
What's the combination to open the King's safe? 1472422295  
  
Congratulations, mission 36 has been successfully completed!
```

```
( _\/\_ )
File System
~/Castle/Main_building/Throne_room/Kings_quarter
[mission 37] $ cd ..

~/Castle/Main_building/Throne_room
[mission 37] $ ls
Kings_quarter/ Safe/

~/Castle/Main_building/Throne_room
[mission 37] $ ls -l
total 8
drwxrwxrwx 2 kali kali 4096 Dec 17 08:39 Kings_quarter/
d----- 2 kali kali 4096 Dec 17 08:40 Safe/

~/Castle/Main_building/Throne_room
[mission 37] $ chmod 777 Safe/

~/Castle/Main_building/Throne_room
[mission 37] $ ls -l
total 8
drwxrwxrwx 2 kali kali 4096 Dec 17 08:39 Kings_quarter/
drwxrwxrwx 2 kali kali 4096 Dec 17 08:40 Safe/

~/Castle/Main_building/Throne_room
[mission 37] $ cd Safe/

~/Castle/Main_building/Throne_room/Safe
[mission 37] $ ls -l
total 4
-rw-rw-rw- 1 kali kali 48 Dec 17 08:40 crown

~/Castle/Main_building/Throne_room/Safe
[mission 37] $ chmod 777 crown

~/Castle/Main_building/Throne_room/Safe
[mission 37] $ ls -l
total 4
-rwxrwxrwx 1 kali kali 48 Dec 17 08:40 crown

~/Castle/Main_building/Throne_room/Safe
[mission 37] $ cat crown
jgs
(^.^.-)
\@*\@*\@/
{_725_}

~/Castle/Main_building/Throne_room/Safe
[mission 37] $ mv -f crown /home/kali/gameshell.2/World/Forest/Hut/Chest

~/Castle/Main_building/Throne_room/Safe
[mission 37] $ gsh check
What are the 3 digits inscribed on the base of the crown? 725

Congratulations, mission 37 has been successfully completed!
```

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

```

~/Garden
[mission 38] $ ls
Flower_garden/ Maze/ Shed/
~/Garden
[mission 38] $ cd Maze
~/Garden/Maze
[mission 38] $ find -type f
./d7341291e33b837c1c6aeac/b79d37d867e51e2cb052b31dc/76be80724b149c94/7023
./807c6f2b9017581/45332f5a88edb7d810d189blea1/82b70221daccbfae93feb969/48628
./807c6f2b9017581/bca69ad6923d80acfbc0ba/49c061445d551307308b17995fa/52157
./841ca609f3248634ef/8982ad33e6a397a50f4db8a2446c/654b44af/12993
./e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384
./1fd1795ba42333ee501/8328ca5269fc3513e30/c73c49bfe2d089e5b3cdcae5b1f437/47760
Visual Studio
~/Garden/Maze
[mission 38] $ cat ./d7341291e33b837c1c6aeac/b79d37d867e51e2cb052b31dc/76be80724b149c94/7023
7023 stone 9cea774a15be6bdd2fe1c6d043d8b0980a0537a
~/Garden/Maze
[mission 38] $ cat ./807c6f2b9017581/45332f5a88edb7d810d189blea1/82b70221daccbfae93feb969/48628
48628 stone b33f8481f068624704a04b25c2741a9f6fa5a351
~/Garden/Maze
[mission 38] $ cat ./807c6f2b9017581/bca69ad6923d80acfbc0ba/49c061445d551307308b17995fa/52157
52157 stone 90bc40eb1e3f9b1ad0d665383d6c5a5d77c23cdb
~/Garden/Maze
[mission 38] $ cat ./841ca69f3248634ef/8982ad33e6a397a50f4db8a2446c/654b44af/12993
12993 stone 589ca8a85c71b01858c862ea06ffbad80274d743
~/Garden/Maze
[mission 38] $ cat ./e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384
14384 ruby 83fcfaaeaf0df7c1035b07f5a44f2299a4113f9b
~/Garden/Maze
[mission 38] $ cat ./1fd1795ba42333ee501/8328ca5269fc3513e30/c73c49bfe2d089e5b3cdcae5b1f437/47760
47760 stone 221b19513101a71f065b18f4d8c741b07aea0d0
~/Garden/Maze
[mission 38] $ mv ./e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384 /home/kali/gameshell.2/World/Forest/Hut/Chest
mv: cannot stat './e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384': No such file or directory
~/Garden/Maze
[mission 38] $ mv ./e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384 /home/kali/gameshell.2/World/Forest/Hut/Chest
~/Garden/Maze
[mission 38] $ gsh check
Congratulations, mission 38 has been successfully completed!

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

```

~/Garden
[mission 38] $ cd Maze

~/Garden/Maze
[mission 38] $ find -type f
./d7341291e33b837c1c6aeac/b79d37d867e51e2cb052b31dc/76be80724b149c94/7023
./807c6f2b9017581/45332f5a88edbf7d810d189b1ea1/82b70221daccbae93feb969/48628
./807c6f2b9017581/bca69ad6923d8faefbc0ba0/49c061445d551307308b17995fa/52157
./841ca69f32486344ef/8982ad33e6a397a50f4db8a2446c/654b4af/12993
./e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384
./1fd1795ba42333ee501/8328ca5269fc3513e30/c73c49bfe2d089e5b3cdcae5b1f437/47760

~/Garden/Maze
[mission 38] $ cat ./d7341291e33b837c1c6aeac/b79d37d867e51e2cb052b31dc/76be80724b149c94/7023
7023 stone 9cea774a15be6b6dd2fe1c6d043d8b0980a0537a

~/Garden/Maze
[mission 38] $ cat ./807c6f2b9017581/45332f5a88edbf7d810d189b1ea1/82b70221daccbae93feb969/48628
48628 stone b33f8481f068624704a04b25c2741a9f6fa5a351

~/Garden/Maze
[mission 38] $ cat ./807c6f2b9017581/bca69ad6923d8faefbc0ba0/49c061445d551307308b17995fa/52157
52157 stone 90bc40eb1e3f9biad0d665383d6c5a5d77c23cdb

~/Garden/Maze
[mission 38] $ cat ./841ca69f32486344ef/8982ad33e6a397a50f4db8a2446c/654b4af/12993
12993 stone 589ca8a85c71b01858c862ea06ffbad80274d743

~/Garden/Maze
[mission 38] $ cat ./e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384
14384 ruby 83fcfaaaef0df7c1035b07f5a44f2299a4113f9b

~/Garden/Maze
[mission 38] $ cat ./1fd1795ba42333ee501/8328ca5269fc3513e30/c73c49bfe2d089e5b3cdcae5b1f437/47760
47760 stone 221b195131014a71f065b18f4d8c741b07aea0d0

~/Garden/Maze
[mission 38] $ mv ./e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384 /home/kali/gameshell.2/World/Forest/Hut/Ch
mv: cannot stat './e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384': No such file or directory

~/Garden/Maze
[mission 38] $ mv ./e5722a8474b44f9f1b69cc1/d9a9413dbeb8dc/07cfbf8f9ec48a6aa13753a3ab17fe5/14384 /home/kali/gameshell.2/World/Forest/Hut/Ch

~/Garden/Maze
[mission 38] $ gsh check

Congratulations, mission 38 has been successfully completed!

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

```

```

(0)
~/Stall
[mission 40] $ find . -type f -exec grep -l "King" -v {} +
./ca4a334f88d1_s_c_r_o_l_l_ca4a334f88d1acec
(1) Home
~/Stall
[mission 40] $ grep "King" ./ca4a334f88d1_s_c_r_o_l_l_ca4a334f88d1acec | grep -v "PAID"
the King bought a pick for 4 coppers.
the King bought a pin for 4 coppers.
the King bought a spade for 3 coppers.
the King bought a walking stick for 5 coppers.
the King bought a ruby for 5 coppers.
the King bought a horse for 4 coppers.
(2)
~/Stall
[mission 40] $ gsh check
How much does the king owe? 25

Congratulations, mission 40 has been successfully completed!

```

```

|-----+-----|
| Use the command | |
| $ gsh help | |
| to get the list of "gsh" commands. | |
|-----+-----|
(0)
~/Stall
[mission 41] $ █

```

```
|  
|  
(0)  
~/Stall  
[mission 40] $ find . -type f -exec grep -l "King" -v {} +  
.ca4a334f88d1_s_c_r_o_l_l_ca4a334f88d1acec  
(1) Home  
~/Stall  
[mission 40] $ grep "King" ./ca4a334f88d1_s_c_r_o_l_l_ca4a334f88d1acec | grep -v "PAID"  
the King bought a pick for 4 coppers.  
the King bought a pin for 4 coppers.  
the King bought a spade for 3 coppers.  
the King bought a walking stick for 5 coppers.  
the King bought a ruby for 5 coppers.  
the King bought a horse for 4 coppers.  
(2)  
~/Stall  
[mission 40] $ gsh check  
How much does the king owe? 25
```

Congratulations, mission 40 has been successfully completed!

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

```
(0)  
~/Stall  
[mission 41] $ find . -type f -exec grep -v "PAID" {} + | wc -l  
62  
(1) prova  
~/Stall  
[mission 41] $ gsh check  
How many unpaid items are there? 62
```

Congratulations, mission 41 has been successfully completed!

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

```
~/Stall  
[mission 42] $ █
```

```

~/Castle/Main_Building/Library/Merlin_s_office/Drawer
[mission 42] $ ls
ink_and_scroll inventory.txt secret_message
~/Castle/Main_Building/Library/Merlin_s_office/Drawer
[mission 42] $ cat secret_message
urh v'z l jvyy:
lhb jvyy trg zl purfg, naq rirelguvat vg phagnvaf.
guvf purfg vf va gur pryne, naq gur jbeg gb zxrx
vg er-nccrne vf: hpr
zreyya gur rapunagre

~/Castle/Main_Building/Library/Merlin_s_office/Drawer
[mission 42] $ echo "urer vf zl jvyy: lhb jvyy trg zl purfg, naq rirelguvat vg phagnvaf. guvf purfg vf va gur pryne, naq gur jbeg gb zxrx vg er-nccrne vf: hpr
here is my will: you will get my chest, and everything it contains. this chest is in the cellar, and the word to make it re-appear is: ucee merlin the enchanter
[mission 42] $ gsh check
What's the key that will make Merlin's chest to appear?
ucee

Congratulations, mission 42 has been successfully completed!

```

CONGRATULATIONS!

You have finished all the missions.

Use the command
\$ gsh help
to get the list of "gsh" commands.