Exercises — Tree trunk

version **#f6de30ca5ee18fb9a30e5fbfc9eb9a1de8e13354**

The way is lit. The path is clear.
We require only the strength to follow it.

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File Tree

```
mini_tree/
└── mini_tree.sh   (to submit)
```

Authorized commands : You are only allowed to use the following commands

- builtins

Reminder : Grant execution permission to your scripts before pushing them

1 Goal

Write a shell script that prints on the standard output the content of the given directories in a tree-like format. The output looks like the command `tree --prune`. You do not have to print at the end the count of files and directories.

You do not have to handle these cases:

- File types other than *regular file* and *directory*
- Empty directories
- Permission access
- Return value

2 Example

```
42sh$ ls
mini_tree.sh out
42sh$ ./mini_tree.sh | cat -A
.$
+-- mini_tree.sh$
+-- out$
    +-- README$
    +-- src$
    |   +-- bye$
    |   |   +-- bye$
    |   +-- hello$
    |       +-- kitty$
    |       +-- world$
    +-- tests$
        +-- test01$
        +-- test02$
```

```
42sh$ ./mini_tree.sh out | cat -A
out$
+-- README$
+-- src$
|   +-- bye$
```

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```
|    |    +-- bye$
|    +-- hello$
|        +-- kitty$
|        +-- world$
+-- tests$
    +-- test01$
    +-- test02$
```

```
42sh$ ./mini_tree.sh out/src/bye/ not_here ./out/tests | cat -A
out/src/bye/$
+-- bye$
not_here [error opening dir]$
./out/tests$
+-- test01$
+-- test02$
```

```
42sh$ ./mini_tree.sh mini_tree.sh | cat -A
mini_tree.sh [error opening dir]$
$
0 directories, 0 files$
```

The way is lit. The path is clear. We require only the strength to follow it.