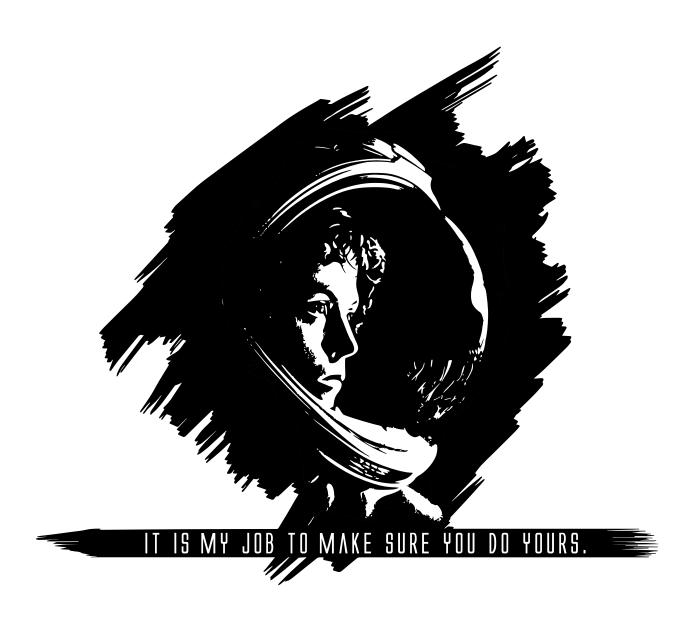


Exercises — Pine tree

version #



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Contents

1	Pine	Pine tree	
	1.1	Goal	3
		Fxamples	3

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1 Pine tree

Files to submit:

pine/pine.c

Main function: none

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

putchar(3)

Authorized headers: You are only allowed to use the functions defined in the following headers:

- stddef.h
- · errno.h
- assert.h
- · err.h

1.1 Goal

Implement the function with the following prototype:

```
int pine(unsigned n)
```

It prints on the standard output a pine using * characters. n is the height of the pine and is always at least 3. The trunk of the tree is (n/2) lines high but always on one column. The tree must be followed by a line feed. pine must return 1 if n is strictly below 3, or 0 otherwise.

1.2 Examples

In the following examples,

- · > represents the beginning of a line
- \$ represents the end of a line

These two symbols must **not** be printed.

pine(5) prints:

pine(4) prints:



pine(3) prints:

```
> *$
> ***$
>*****$
> *$
```

It is my job to make sure you do yours.