



C - Pool - Tek1

Subject Sapin

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Instructions

- The subject may change until one hour before turn-in.
- Respect the norm takes time, but is good for you. This way your code will respect the norm since the first written line.
- Ask yourself if it's relevant to let a `main()` function in your turn-in knowing we will add our own.
- Turn-in directory:
`Piscine_C_Sapin`



Hints

Remember it is always better to create your repository at the beginning of the day and to turn-in your work on a regular basis

- Remember to discuss on the pool forum!



Sapin

- Write a function that displays a fir tree on the screen depending on a given size. A fir tree of size 0 will display nothing.
- Your function will be prototyped as follows:

```
1 void sapin(int taille);
```

- Authorized function: `my_putchar`



The only file that will be collected by the robot is `sapin.c`

- We will compile your file with the command `cc`, adding our `main.c` and our `my_putchar.c` :

```
$> cc sapin.c ~moulinette/main.c ~moulinette/my_putchar.c -o sapin
$> ./sapin
[...]
```

- This is a fir tree of size 1 :

```
1 $> ./sapin 1
2 *
3 ***
4 *****
5
6 |
7 $>
```



- This is a fir tree of size 5 :

```
1  $> ./sapiin 5
2
3      *
4      ***
5      *****
6      *******
7      *******
8      *******
9      *******
10     *******
11     *******
12     *******
13     *******
14     *******
15     *******
16     *******
17     *******
18     *******
19     *******
20     *******
21     *******
22     *******
23     *******
24     *******
25     *******
26     *******
27     *******
28     *******
29     *******
30     *******
31     *******
32         |||||
33         |||||
34         |||||
35         |||||
36         |||||
37  $>
```

*Hints*

You will find a binary called sapiin on the intranet with the subject

