Exercise

Instructions :

You need to **flatten** the attached tree (*tree_to_convert.txt*) into a set of strategies. A strategy is a combination of :

- a strategy definition: a sequence of conditions of the form *feature = value* or *feature != value*, separated with **"and" operators only**.
- a leaf value

The syntax is given by [strategy definition]**:**[leaf_value].

For instance, leaf 4 translates into the following strategy : device_type!=pc **&** browser!=7 **&** browser=8 : 0.000881108

Modalities :

➢ You can use the programming language of your choice (Python preferred).

➢ You have to code a function which takes the *tree_to_convert.txt* file as input, flattens it, and writes the output strategies into another *strategies.txt* file.

➢ Your function needs to be **generic.** It could take as input any tree of the same structure but with others variables **or different depth**.

Do not hesitate to reach out to bastien@scibids.com if you have any doubt and need additional information!

Good luck :)