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33/35 Reimplementation: attrValues

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Write your own implementation of the attrvalues function.

This function consumes an attribute set and returns all values sorted by the attribute name.

You are allowed to use the builtin function attrNames and the attrVals function you just implemented in the last lecture.

attrVals VS attrValues:

 attrVals -> given a list of names, extract their values from the set and return a list of them

```
attrVals ["a" "b" "c"] attrSet; => should be [1 2 3]
```

• attrValues -> extract all values in the given set and return a list of them

```
attrValues attrSet; => [1 2 3 4]
```

Warning: This is hard!

Note: See video <a>@youtube

```
1 with import <nixpkgs> { };
2 let
 3
     attrSet = \{c = 3; a = 1; b = 2;\};
4
5
     attrValues = XXX;
6 in
7 rec {
     solution = attrValues attrSet; #should be [1 2 3]
8
9
                                                                      solution
10
                                                              reset
                                                                                run
```

```
with import <nixpkgs> { };
let
   attrSet = {c = 3; a = 1; b = 2;};

   attrValues = attrSet: lib.attrVals (builtins.attrNames attrSet) attrSet;
in
rec {
   solution = attrValues attrSet; #should be [1 2 3]
}
```

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