

# Expression checker

1. Given an expression with brackets [ ] and parenthesis ( ), check that nesting is valid.  
And Every opening delimiter must be closed.

examples :

**check**("(aaa(bbbbbb[ccccc]))") => valid

**check**("(a[aa(bbbbbbccccc]))") => **invalid** because brackets and parenthesis are not nested

**check**("(aaa[)") => **invalid** because unclosing bracket

**check**("cc(aaa[bbbb]cc[aaa]ccccc)dddd") => valid

2. Add constraint on used symbols by defining them in parameters :

- first parameter is the list of symbols
- second parameter is the sequence to check

example :

**check**(

    List.of(

        "a", < here we have only one character => non-wrapping symbole

        "b",

        "c",

        "[]", < here we have two characters => wrapping symbole (open/close)

    ")

    "(aaa(bbbbbb[ccccc]))")

) => valid