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-- Week 1, Activity 9: Basic Constructions
-- How to build simple patterns with LPeg
local lpeg = require "lpeg"
-- lpeg.P: matches a literal string exactly.
print(lpeq.P("hello"):match("hello"))
print(lpeg.P("hella()[]"):match("hella()[]"))
-- lpeg.S: matches any character inside a set.
         Note that LPeg don't search for the pattern,
         it only matches in the beginning, a kind of
        anchored match: it only matches in the beginning of the subject. It's possible to build a search
   procedure in the pattern itself to find the pattern anywhere in the said in the
         pattern anywhere in the subject.
print(lpeg.S("aeiou"):match("hello")) --> nil
-- lpeq.R: matches a range (it's possible to use more
     than one range).
--> nil
-- lpeg.P(N): matcher N number of character, whatever they are.
            If the subject does not have that number of
            characters, the matching fails.
print (lpeg.P(3):match(12345))
print (lpeg.P(3):match("oi"))
                                    --> nil
```