ARITHMETIC PUZZLE

POETRY OF PROGRAMMING – CLOJURE ASSIGNMENTS

Check: permutations

We multiply numbers x, y and z. We want to make the product xyz maximal, with the given conditions.

(1) x is a 3-digit number

(2) y is a 2-digit number

(3) z is a single digit number

Only the digits 1,2,3,4,5 and 6 can be used, and each digit must be used only once.

Hint: the problem is not too big, so brute-force (checking all possibilities) is doable.