$$\underline{3749}$$

⌐

starts with 3 (not 1 or 9)

↳ Max value is 3000

so M(1000) + M(1000) + M(1000)

↳ now left is 749

so DCC
   (((
   500 + 100 + 100

↳ now left is 49

so XL is 40
   | |
   10   50

↳ now left is 9

so IX is 9
   | |
   1 10

use counter to subtract when symbols
added
                    (
                   A·m·

multiple if's like % if's to
check thousand/hundred etc
or   1X = 9 etc

                    O(n)
                    & O(1)
                  approach