

* Roman to Integer

$I=1$, $V=5$, $X=10$, $L=50$, $C=100$, $D=500$, $M=1000$

MCMXCIV
1000 100 1000 10 100 1 5

from right to left. decrease by left val.
if (left val < right) \rightarrow ~~subtract~~ right val.
else increase by right val.

Another: If val at position $*q <$ sum of right; decrease by position value, else increase by position values.